THE 'GRAVITATIONAL LENSING' BIBLIOGRAPHY

A. Pospieszalska-Surdej[1], J. Surdej[1] and A. Detal[1]

[1]Institut d'Astrophysique, Université de Liège, Belgique

Abstract: We present a non exhaustive bibliography on "Gravitational Lensing" (GL), totalizing more than 3500 titles of published articles (Last update: 21 October, 2003).

The GL bibliography is accessible via WWW (take a look at URL http://vela.astro.ulg.ac.be/grav_lens/grav_lens.html).

We are aware that the present compilation is not complete, not always uniform and that there are still errors, typos, etc. We would appreciate very much if you could communicate to us (via E-mail: 'asurdej@astro.ulg.ac.be' or 'surdej@astro.ulg.ac.be') missing or new titles (published or accepted for publication), errors, changes and suggestions.

References

[ABA02.1] Abajas, C., Mediavilla, E., Muñoz, J.A., Popović, L.C., Oscoz, A.: 2002, *Astrophys. J.* **576**, 640-652, "The Influence of Gravitational Microlensing on the Broad Emission Lines of Quasars"

[ABD98.1] AbdelSalam, H.M., Saha, P., Williams, L.L.R.: 1998, *Monthly Notices Roy. Astron. Soc.* **294**, 734, "Non-parametric reconstruction of cluster mass distribution from strong lensing: modelling Abell 370"

[ABD98.3] AbdelSalam, H.M., Saha, P., Williams, L.L.R.: 1998, *Large Scale Structure: Tracks and Traces, Proc. of the 12th Potsdam Cosmology Workshop, Sept.97, eds. V. Mueller, S. Gottloeber, J.P.Muecket, J. Wambsganss, World Scientific 1998*, p.337, "Cluster mass profile from lensing"

[ABD98.2] AbdelSalam, H.M., Saha, P., Williams, L.L.R.: 1998, *Astron. J.* **116**, 1541, "Non-parametric reconstruction of Abell 2218 from combined weak and strong lensing"

[ABR93.1] Abraham, R.G., Crawford, C.S., Marrifield, M.R., Hutchings, J.B., McHardy, I.M.: 1993, *Astrophys. J.* **415**, 101, "Is the BL Lac AO 0235+164 being lensed by its intervening MgII absorber?"

[ABR91.1] Abraham, R.G., McHardy, I.M., Crawford, C.S.: 1991, *Monthly Notices Roy. Astron. Soc.* **252**, 482, "Optical imaging of BL Lac host galaxies"

[ADA89.1] Adam, G., Bacon, R., Courtès, G., Georgelin, Y., Monnet, G., Pécontal, E.: 1989, *Astron. Astrophys.* **208**, L15, "Observations of the Einstein cross 2237+030 with the TIGER Integral Field Spectrograph"

[ADA79.1] Adams, M.T., Boroson, T.A.: 1979, *Nature* **282**, 183, "Direct imaging of the twin QSOs 0957+561 A and B: the gravitational lens interpretation"

[AFO03.1] Afonso, C., Albert, J.N., Andersen, J., Ansari, R., Aubourg, E., Bareyre, P., Beaulieu, J.P. et al.: 2003, *Astron. Astrophys.* **400**, 951-956, "Limits on Galactic dark matter with 5 years of EROS SMC data"

[AFO98.1] EROS collaboration: Afonso, C., Alard, C., Albert, J.N., Anderson, J., Ansari, R. et al.: 1998, *Astron. Astrophys.* **337**, L17, "EROS 2 intensive observation of the caustic crossing of microlensing event MACHO SMC-98-1"

[AFO99.1] Afonso, C., Alard, C., Albert, J.N. et al. and the EROS collaboration: 1999, *Astron. Astrophys.* **344**, L63, "Microlensing towards the Small Magellanic Cloud EROS 2 two-year analysis"

[AFO00.1] Afonso, C. et al., Alcock, C. et al., Rhie, S.H. et al., Udalski, A. et al., Albrow, M. et al. (Collaborations, 94 authors): 2000, *Astrophys. J .* **532**, 340, "Combined analysis of the binary lens caustic-crossing event MACHO 98-SMC-1"

[AFO01.2] Afonso, C., Albert, J.N., Andersen, J., Ansari, R., Aubourg, E., Bareyre, P. et al.: 2001, *Astron. Astrophys.* **378**, 1014-1023, "Photometric constraints on microlens spectroscopy of EROS-BLG-2000-5"

[AFR82.1] Afraimovich, E.L.: 1982, *Astron. Astrophys.* **105**, L5, "Spectral analysis of interfering delay signals as applied to detection of gravitational lenses"

[AFR82.2] Afraimovich, E.L.: 1982, *Soviet Astron. Letters* **8**, 70, "Spectrum analysis of interfering delayed signals as a tool for detecting gravitational lenses"

[AGH98.1] Aghanim, N., Prunet, S., Forni, O., Bouchet, F.R.: 1998, *Astron. Astrophys.* **334**, 409, "Moving gravitational lenses: imprints on the cosmic microwave background"

[AGO96.1] Agol, E.: 1996, *Monthly Notices Roy. Astron. Soc.* **279**, 571, "Polarization during binary microlensing"

[AGO02.3] Agol, E.: 2002, *Astrophys. J.* **579**, 430-436, "Occultation and Microlensing"

[AGO03.1] Agol, E.: 2003, *Astrophys. J.* **594**, 449-455, "Microlensing of Large Sources"

[AGO00.1] Agol, E., Jones, B., Blaes, O.: 2000, *Astrophys. J.* **545**, 657, "Keck mid-infrared imaging of the QSO 2237+0305"

[AGO02.2] Agol, E., Kamionkowski, M., Koopmans, L.V.E., Blandford, R.D.: 2002, *Astrophys. J.* **576**, L131-L135, "Finding Black Holes with Microlensing"

[AGO02.1] Agol, E., Kamionkowski, M.: 2002, *Monthly Notices Roy. Astron. Soc.* **334(3)**, 553-562, "X-rays from isolated black holes in the Milky Way"

[AGO99.1] Agol, E., Krolik, J.: 1999, *Astrophys. J.* **524**, 49, "Imaging a quasar accretion disk with microlensing"

[ALA97.1] Alard, C.: 1997, *Astron. Astrophys.* **321**, 424, "Lensing of unresolved stars towards the Galactic Bulge"

[ALA99.1] Alard, C.: 1999, *Astron. Astrophys.* **343**, 10, "Analysis of the OGLE microlensing candidates using the image subtraction method"

[ALA00.2] Alard, C.: 2000, *Astron. Astrophys. Sup.* **144**, 363, "Image subtraction using a space-varying kernel"

[ALA01.1] Alard, C.: 2001, *Monthly Notices Roy. Astron. Soc.* **320**, 341, "Unbiased reconstruction of the mass function using microlensing survey data"

[ALA97.2] Alard, C., Guibert, J.: 1997, *Astron. Astrophys.* **326**, 1, "The DUO single lens candidates"

[ALA95.1] Alard, C., Mao, S., Guibert, J.: 1995, *Astron. Astrophys.* **300**, L17, "Object DUO2: a new binary lens candidate?"

[ALB01.1] Albrow, M.D., An, J., Beaulieu, J.-P., Caldwell, J.A.R., DePoy, D.L. et al. (The PLANET collaboration), "2001, *Astrophys. J.* **549**, 759, "PLANET observations of microlensing event OGLE-1999-BUL-23: limb darkening measurement of the source star"

[ALB01.3] Albrow, M.D., An, J., Beaulieu, J.-P., Caldwell, J.A.R., DePoy, D.L. et al. (The PLANET Collaboration): 2001, *Astrophys. J.* **556**, L113, "Limits on the abundance of galactic planets from five years of PLANET Observations"

[ALB01.2] Albrow, M.D., An, J., Beaulieu, J.-P., Caldwell, J.A.R., DePoy, D.L. et al.: 2001, *Astrophys. J.* **566**, 463-499, "Microlensing constraints on the frequency of Jupiter-mass companions: Analysis of five years of PLANET photometry"

[ALB02.1] Albrow, M.D., An, J., Beaulieu, J.-P., Caldwell, J.A.R., DePoy, D.L. et al. (The PLANET collaboration): 2002, *Astrophys. J.* **572**, 1031-1040, "A Short, Non-Planetary, Microlensing Anomaly: Observations and Light-Curve Analysis of MACHO 99-BLG-47"

[ALB00.1] Albrow, M.D., Beaulieu, J.-P., Caldwell, J.A.R., Dominik, M., Gaudi, B.S. et al. (The PLANET Collaboration): 2000, *Astrophys. J.* **534**, 894, "Detection of rotation in a binary microlens: PLANET photometry of MACHO 97-BLG-41"

[ALB00.2] Albrow, M.D., Beaulieu, J.-P., Caldwell, J.A.R., DePoy, D.L., Dominik, M. et al.(The Planet Collaboration): 2000, *Astrophys. J.* **535**, 176, "Limits on stellar and planetary companions in microlensing event OGLE-1998-BUL-14"

[ALB99.1] The PLANET Collaboration: Albrow, M.D., Beaulieu, J.-P. Caldwell, J.A.R. et al.: 1999, *Astrophys. J.* **512**, 672, "The relative lens-source proper motion in MACHO 98-SMC-1"

[ALB99.3] The PLANET Collaboration: Albrow, M., Beaulieu, J.-P., Caldwell, J.A.R. et al.: 1999, *Astrophys. J.* **522**, 1011, "Limb darkening of a K giant in the galactic bulge: PLANET photometry of MACHO 97-BLG-28"

[ALB99.2] The PLANET Collaboration: Albrow, M., Beaulieu, J.-P., Caldwell, J.A.R. et al.: 1999, *Astrophys. J.* **522**, 1022, "A complete set of solutions for caustic crossing binary microlensing events"

[ALB01.4] Albrow, M., An, J., Beaulieu, J.-P., Caldwell, J.A.R., Dominik, M.: 2001, *Astrophys. J.* **550**, L173-L177, "H-α equivalent width variations across the face of a microlensed K Giant in the Galactic Bulge"

[ALC01.4] Alcock, C., Allsman, R.A., Alves, D.R., Axelrod, T.S., Becker, A.C. et al. (The Macho collaboration): 2001, *Astrophys. J.* **550**, L169-L172, "MACHO project limits on black hole dark matter in the 1-30 solar mass range"

[ALC02.1] Alcade, D., Mediavilla, E., Moreau, O., Muñoz, J.A., Libbrecht, C., Goicoechea, L.J., Surdej, J. et al.: 2002, *Astrophys. J.* **572**, 729-734, "Quasar 2237+ 0305 VR light curves from Gravitational LensES International Time Project Optical Monitoring"

[ALC82.1] Alcock, C.: 1982, *Nature* **295**, 284, "Gravitational lens"

[ALC97.5] Alcock, C., Allen, W.H., Allsman, R., Alves, D., Axelrod, T. et al. (The MACHO Collaboration): 1997, *Astrophys. J.* **491**, 436, "MACHO Alert 95-30 : First real-time observation of extended source effects in gravitational microlensing"

[ALC00.6] Alcock, C., Allsman, R., Axelrod, T., Baines, D. et al. (MACHO and GMAN coll.): 2000, *Astrophys. J.* **541**, 270, "Binary microlensing events from the MACHO Project"

[ALC00.2] Alcock, C., Allsman, R.A., Alves, D.R., Axelrod, T.S., Becker, A.C. et al.: 2000, *Astrophys. J.* **541**, 734, "The MACHO project: Microlensing optical depth towards the Galactic Bulge from difference image analysis"

[ALC95.3] Alcock, C., Allsman, R.A., Alves, D., Axelrod, T.S., Bennett, D.P., Cook, K.H. et al. (The MACHO Collaboration): 1995, *Astrophys. J.* **454**, L125, "First observation of parallax in a gravitational microlensing event"

[ALC96.1] Alcock, C., Allsman, R.A., Alves, D., Axelrod, T.S., Becker, A. et al.: 1996, *Astrophys. J.* **463**, L67, "Real-time detection and multisite observations of gravitational microlensing"

[ALC96.3] Alcock, C., Allsman, R.A., Alves, D., Axelrod, T.S., Becker, A. et al.: 1996, *Astrophys. J.* **471**, 774, "The MACHO Project: Limits on Planetary Mass Dark Matter in the Galactic Halo from Gravitational Microlensing"

[ALC95.1] Alcock, C., Allsman, R.A, Axelrod, T.S, Bennett, D.P, Cook, K.H. et al. (MACHO Collaboration): 1995, *Phys. Rev. Let.* **74**, 2867, "Experimental limits on the dark matter halo of the galaxy from gravitational microlensing"

[ALC95.2] Alcock, C., Allsman, R.A., Axelrod, T.S., Bennett, D.P., Cook, K.H. et al.: 1995, *Astrophys. J.* **445**, 133, "Probable gravitational microlensing towards the galactic bulge"

[ALC95.5] Alcock, C., Allsman, R., Axelrod, T., Bennett, D., Cook, K.H., Evans, N.W. et al.: 1995, *Astrophys. J.* **449**, 28, "Theory of exploring the dark halo with microlensing.I. Power-law models"

[ALC96.2] Alcock, C., Allsman, R., Axelrod, T., Bennett, D., Cook, K.H. et al. (The MACHO Collaboration): 1996, *Astrophys. J.* **461**, 84, "The MACHO project first year LMC results: The microlensing rate and the nature of the galactic dark halo"

[ALC99.3] MACHO Collaboration: Alcock, C., Allsman, R.A., Alves, D. et al.: 1999, *Astrophys. J. Sup.* **124**, 171, "Difference image analysis of galactic microlensing II. Microlensing events"

[ALC99.5] Alcock, , C., Allsman, R.A., Alves, D.R., Axelrod, T.S., Becker, A.C. et al. (The MACHO Collaboration): 1999, *Publ. Astron. Soc. Pacific* **111**, 1539, "Calibration of the MACHO photometry database"

[ALC97.4] Alcock, C., Allsman, R.A., Alves, D., Axelrod, T.S., Becker, A. et al.: 1997, *Astrophys. J.* **491**, L11, "First detection of a gravitational microlensing candidate toward the Small Magellanic Cloud"

[ALC97.3] Alcock, C., Allsman, R.A., Alves, D.R., Axelrod, T.S., Becker, A.C. et al.: 1997, *Astrophys. J.* **490**, L59, "Is the Large Magellanic Cloud microlensing due to an intervening dwarf galaxy?"

[ALC00.3] Alcock, C., Allsman, R.A., Alves, D.R., Axelrod, T.S., Becker, A.S.et al: 2000, *Monthly Notices Roy. Astron. Soc.* **316**, 729, "Searching for periodicities in MACHO monitoring of LMC X-2"

[ALC00.1] Alcock, C., Allsman, R.A., Alves, D.R., Axelrod, T.S., Becker, A.C. et al. (MACHO collaboration): 2000, *Astrophys. J.* **542**, 281, "The MACHO Project: Microlensing results from 5.7 years of Large Magellanic Cloud observations"

[ALC01.5] Alcock, C., Allsman, R.A., Alves, D.R., Axelrod, T.S., Becker, A.C. et al., (The MACHO Collaboration): 2001, *Astrophys. J.* **552**, 582, "The MACHO Project Hubble Space Telescope Follow-Up: Preliminary Results on the Location of the Large Magellanic Cloud Microlensing Source Stars"

[ALC01.6] Alcock, C., Allsman, R.A., Alves, D.R., Axelrod, T.S., Becker, A.C. et al.: 2001, *Astrophys. J.* **552**, 259, "MACHO 96-LMC-2: Lensing of a binary source in the Large Magellanic Cloud and constraints on the lensing object"

[ALC01.7] Alcock, C., Allsman, R.A., Alves, D.R., Axelrod, T.S., Becker, A.C. et al., (The MACHO Collaboration): 2001, *Astrophys. J. Sup.* **136**, 439-462, "The MACHO Project: Microlensing Detection Efficiency"

[ALC01.9] Alcock, C., Allsman, R.A., Alves, D.R., Axelrod, T.S., Becker, A.C., Bennett, D.P., Cook, K.H.: 2001, *Nature* **414**, 617-619, "Direct detection of a microlens in the Milky Way"

[ALC85.1] Alcock, C., Anderson, N.: 1985, *Astrophys. J.* **291**, L29, "On the use of

measured time delays in gravitational lenses to determine the Hubble constant"
[ALC86.1] Alcock, C., Anderson, N.: 1986, *Astrophys. J.* **302**, 43, "On the distance measure for gravitational lenses"
[ALC93.1] Alcock, C., Akerlof, C.W., Allsman, R.A., Axelrod, T.S., Bennett, D.P.et al.: 1993, *Nature* **365**, 621, "Possible gravitational microlensing of a star in the Large Magellanic Cloud"
[ALC97.1] Alcock, C., Allsman, R.A., Alves, D., Axelrod, T.S., Bennett,D.P.et al.: 1997, *Astrophys. J.* **479**, 119, "The MACHO project: 45 candidate microlensing events from the first-year galactic bulge data"
[ALC98.1] Alcock, C., Allsman, R.A., Alves, R., Ansari, R., Aubourg, E., Axelrod, T.S. et al.: 1998, *Astrophys. J.* **499**, L9, "EROS and MACHO combined limits on planetary-mass dark matter in the galactic halo"
[ALC97.2] Alcock, C., Allsman, R.A., Alves, D., Axelrod, T.S., Becker et al.: 1997, *Astrophys. J.* **486**, 697, "The MACHO Project Large Magellanic Cloud microlensing results from the first two years and the nature of the galactic dark halo"
[ALC99.1] Alcock, C., Allsman, R.A., Alves, D., Axelrod, T.S., Becker, A.C. et al.: 1999, *Astrophys. J.* **518**, 44, "Discovery and characterization of a caustic crossing microlensing event in the Small Magelanic Cloud"
[ALC99.2] MACHO Collaboration: Alcock, C., Allsman, R.A., Alves, D. et al.: 1999, *Astrophys. J.* **521**, 602, "Difference image analysis of galactic microlensing I. Data analysis"
[ALD03.1] Aldcroft, T.L., Green, P.J.: 2003, *Astrophys. J.* **592**, 710-720,, "Lens or Binary? Chandra Observations of the Wide Separation Broad Absorption Line Quasar Pair UM425"
[ALE95.1] Alexander, T.: 1995, *Monthly Notices Roy. Astron. Soc.* **274**, 909, "The signature of microlensing in QSO variability-redshift correlations"
[ALE01.1] Alexander, T., Loeb, A.: 2001, *Astrophys. J.* **551**, 223, "Enhanced microlensing by stars around the black hole in the galactic center"
[ALL89.1] Allen, B.: 1989, *Phys. Rev. Let.* **63**, 2017, "Gravitational lenses as long-baseline gravitational-wave detectors"
[ALL98.2] Allen, S.W.: 1998, *Monthly Notices Roy. Astron. Soc.* **296**, 392, "Resolving the discrepancy between X-ray and gravitational lensing mass measurements for clusters of galaxies"
[ALL01.1] Allen, S.W., Ettori, S., Fabian, A.C.: 2001, *Monthly Notices Roy. Astron. Soc.* **324**, 877, "Chandra measurements of the distribution of mass in the luminous lensing cluster Abell 2390"
[ALL96.1] Allen, S.W., Fabian, A.C., Kneib, J.P.: 1996, *Monthly Notices Roy. Astron. Soc.* **279**, 615, "A combined X-ray and gravitational lensing study of the massive cooling-flow cluster PKS0745-191"
[ALL96.2] Allen, S.W., Fabian, A.C., Edge, A.C., Bautz, M.W., Furuzawa, A., Tawara, Y.: 1996, *Monthly Notices Roy. Astron. Soc.* **283**, 263, "ASCA and ROSAT observations of distant, massive cooling flows"
[ALL01.2] Allen, S.W., Schmidt, R.W., Fabian, A.C.: 2001, *Monthly Notices Roy. Astron. Soc.* **328**, L37-L41, "The X-ray virial relations for relaxed lensing

clusters observed with Chandra"

[ALL02.1] Allen, S.W., Schmidt, R.W., Fabian, A.C.: 2002, *Monthly Notices Roy. Astron. Soc.* **335 (2)**, 256-266, "Chandra observations of RX J1347.51145: the distribution of mass in the most X-ray-luminous galaxy cluster known"

[ALL97.1] Alloin, D., Guilloteau, S., Barvainis, R., Antonucci, R., Tacconi, L.: 1997, *Astron. Astrophys.* **321**, 24, "The gravitational lensing nature of the Cloverleaf unveiled in CO(7-6) line emission"

[ALT91.1] Altieri, B., Giraud, E.: 1991, *The Messenger* **64**, 63, "Microlensing in the "Cloverleaf" quasar H1413+117?"

[ALT99.1] Altieri, B., Metcalfe, L., Kneib, J.P., McBreen, B., Aussel, A. et al.: 1999, *Astron. Astrophys.* **343**, L65, "An ultra-deep ISOCAM observation through a cluster-lens"

[ALV00.1] Alves, D.R., Nelson, C.A.: 2000, *Astrophys. J.* **542**, 789-803, "The rotation curve of the Large Magellanic Cloud and the implications for microlensing"

[AMA03.1] Amanullah, R., Mörtsell, E., Goobar, A.: 2003, *Astron. Astrophys.* **397**, 819-823, "Correcting for lensing bias in the Hubble diagram

[AME99.1] Amendola, L., Frieman, J.A., Waga, I.: 1999, *Monthly Notices Roy. Astron. Soc.* **309**, 465, "Weak gravitational lensing by voids"

[AN 02.2] An, J.H., Albrow, M.D., Beaulieu, J.-P., Caldwell, J.A.R., DePoy, D.L, Dominik, M. et al.: 2002, *Astrophys. J.* **572**, 521-539, "First microlens mass measurement: PLANET photometry of EROS BLG-2000-5"

[AN 02.3] An, J.H., Albrow, M.D., Beaulieu, J.-P., Caldwell, J.A.R., DePoy, D.L.: 2002, *Astrophys. J.* **572**, 521-539, "First Microlens Mass Measurement: PLANET Photometry of EROS BLG-2000-5"

[AN 01.1] An, J.H., Gould, A.: 2001, *Astrophys. J.* **563**, L111-L114, "Microlens Mass Measurement using Triple-Peak Events"

[AN 02.1] An, J.H., Han, C.: 2002, *Astrophys. J.* **573**, 351-358, "Effect of a wide binary companion to the lens on the astrometric behavior of gravitational microlensing events"

[AND86.1] Anderson, N., Alcock, C.: 1986, *Astrophys. J.* **300**, 56, "The effect of clustering of galaxies on the statistics of gravitational lenses"

[AND98.1] Andernach, H., Gubanov, A.G., Slee, O.B.: 1998, *Observational Cosmology with the New Radio Surveys, eds. M. Bremer, N. Jackson, I. Perez-Fournon, Kluwer Acad. Press, Astrophysics and Space Science Library* **226**, 107, "Searching (the) FIRST radio arcs near ACO clusters"

[ANG01.1] Angel, R.: 2001, *Nature* **409**, 427 - 430, "Future optical and infrared telescopes"

[ANG90.1] Angonin, M.-C., Remy, M., Surdej, J., Vanderriest, C.: 1990, *Astron. Astrophys.* **233**, L5, "First spectroscopic evidence of microlensing on a BAL quasar? The case of H 1413+117"

[ANG94.1] Angonin-Willaime, M.-C., Soucail, G., Vanderriest, C.: 1994, *Astron. Astrophys.* **291**, 411, "Gravitational lensing of Q0957+561: a study of the cluster at z=0.355"

[ANG99.1] Angonin-Willaime, M.-C., Vanderriest, C., Courbin, F., Burud, I., Magain, P.: 1999, *Astron. Astrophys.* **347**, 434, "About the origin of extinction in the gravitational lens systems MG JO414+0534"

[ANG94.2] Angonin-Willaime, M.-C., Vanderriest, C., Hammer, F., Magain, P.: 1994, *Astron. Astrophys.* **281**, 388, "Further observational evidences that MG J0414+0534 is a gravitational lens mirage" (Erratum: 1994, *Astron. Astrophys.* **292**, 722)

[ANG99.1] Angonin-Willaime, M.-C., Vanderriest, C., Courbin, F., Burud, I., Magain, P.: 1999, *Astron. Astrophys.* **347**, 434, "About the origin of extinction in the gravitational lens systems MG JO414+0534"

[ANN92.1] Annis, J.T.: 1992, *Astrophys. J.* **391**, L17, "The unusual K-band characteristics of the gravitational lens system MG1131+0456"

[ANN93.2] Annis, J., Gioia, I., Luppino, G.: 1993, *ASP Conf. Ser., "Observationnal Cosmology", 1992, Milano* **51**, 432, "The Hawaii Arc Survey: Survey for gravitational lensing in x-ray selected clusters of galaxies"

[ANN93.1] Annis, J.T., Luppino, G.A.: 1993, *Astrophys. J.* **407**, L69, "Infrared Imaging of MG0414+0534: The red gravitational lens systems as lensed radio galaxies"

[ANS97.1] Ansari, R., Aurière, M., Baillon, P., Bouquet, A., Coupinot, G. et al.: 1997, *Astron. Astrophys.* **324**, 843, " AGAPE: a search for dark matter towards M31 by microlensing effects on unresolved stars"

[ANS95.1] Ansari, R., Aurière, M., Baillon, P., Bouquet, A., Coupinot, G. et al.: 1995, *17th Texas Symposium on Relativ. Astrophys. and Cosm., eds Böringer, H., Morfill, G.E., Trumper, J.E., Annals of the New York Academy of Sciences* **759**, 608, "AGAPE, an experiment to detect MACHO's in the direction of the Andromeda galaxy"

[ANS96.2] Ansari, R., Aurière, M., Baillon, P., Bouquet, A., Coupinot, G. et al.: 1996, *Proc. of the workshop "The dark side of the Universe : experimental efforts and theoretical framework", eds Bernabei, R., Incicchtti, A., World Scientific*, p.56, "AGAPE, a microlensing search in the direction of M31: status report"

[ANS99.1] Ansari, R., Auriere, M., Baillon, P. et al.: 1999, *Astron. Astrophys.* **344**, L49, "AgapeZ1: a large amplification microlensing event or an odd variable star towards the inner bulge of M 31"

[ANS95.2] Ansari, R., Cavalier, F., Couchot, F., Moniez, M., Perdereau, O. et al.: 1995, *Astron. Astrophys.* **299**, 21, " Variability of the EROS no2. microlensing candidate"

[ANS96.1] Ansari, R., Cavalier, F., Moniez, M., Aubourg, E., Bareyre, P.et al.: 1996, *Astron. Astrophys.* **314**, 94, "Observational limits on the contribution of sub-stellar and stellar objects to the galactic halo"

[ARA02.2] Arabadjis, J.S., Bautz, M.W., Garmire, G.P.: 2002, *Astrophys. J.* **572**, 66-78, "Chandra Observations of the Lensing Cluster EMSS 1358+6245: Implications for Self-interacting Dark Matter"

[ARA02.1] Aracil, B., Petitjean, P., Smette, A., Surdej, J., Mucket, J., Cristiani, S.: 2002, *Astron. Astrophys.* **391**, 1-12, "HST STIS observations of four QSO pairs"

[ARG03.1] Argo, R.K., Jackson, N.J., Browne, W.A. York, T., McKean J.P. et al.: 2003, *Monthly Notice Roy. Astron. Soc.* **338 (4)**, 957-961, "CLASS B0445+123: a new two-image gravitational lens system"

[ARN88.2] Arnaud, J., Hammer, F., Jones, J., Le Fèvre, O.: 1988, *Astron. Astrophys.* **206**, L5, "Detection of a galaxy near the line of sight toward the QSO 1209+107"

[ARN94.1] Arnaud, M. et al.: 1994, *Experimental Astronomy* **4**, 265, "A 20cm**2 CCD mosaic camera for a dark matter search. PartI: mechanics, optics and cryogeny"

[ARN94.2] Arnaud, M. et al.: 1994, *Experimental Astronomy* **4**, 279, "A 20cm**2 CCD mosaic camera for a dark matter search. PartII: electronics, data acquisition and performence"

[ARP90.1] Arp, H.: 1990, *Astron. Astrophys.* **229**, 93, "Quasar numbers as a function of apparent magnitude: gravitational lensing or quasars associated with nearby galaxies?"

[ARP84.1] Arp, H., Gavazzi, G.: 1984, *Astron. Astrophys.* **139**, 240, "A third quasar close to NGC3842"

[ARP80.1] Arp, H., Hazard, C.: 1980, *Astrophys. J.* **240**, 726, "Peculiar configurations of quasars in two adjacent areas of the sky"

[ARP79.1] Arp, H., Sargent, W.L.W., Willis, A.G., Oosterbaan, C.E.: 1979, *Astrophys. J.* **230**, 68, "An eruptive BL Lacertae object with a high redshift, 0846+51W1"

[ARP92.1] Arp, H., Crane, P.: 1992, *Phys. Let. A* **168**, 6, "Testing the gravitational lens hypothesis in G2237+0305"

[ASA97.1] Asada, H.: 1997, *Astrophys. J.* **485**, 460, "Critical lines in gravitational lenses and the determination of cosmological parameters"

[ASA98.2] Asada, H.: 1998, *Astrophys. J.* **501**, 473, "Observation of gravitational lensing in the Clumpy Universe"

[ASA02.1] Asada, H.: 2002, *Astrophys. J.* **573**, 825-828, "Perturbative approach to the astrometric microlensing due to an extrasolar planet"

[ASA02.2] Asada, H.: 2002, *Astron. Astrophys.* **390**, L11-L14, "Images for a binary gravitational lens from a single real algebraic equation"

[ASA03.1] Asada, H., Hamana, T., Kasai, M.: 2003, *Astron. Astrophys.* **397**, 825-829, "Images for an isothermal ellipsoidal gravitational lens from a single real algebraic equation"

[ASA00.2] Asada, H., Kasai, M.: 2000, *Prog. Theor. Phys.* **104**, 95-102, "Can we see a rotating gravitational lens?"

[ASA02.3] Asada, H., Kasai, T., Kasai, K.: 2002, *Prog. Theor. Phys.* **108**, 1031, "Algebraic Properties of the Real Quintic Equation for a Binary Gravitational Lens"

[ASA03.2] Asada, H., Kasai, M., Yamamoto, T.: 2003, *Phys. Rev.* **D 67**, 043006, "Separability of Rotational Effects on a Gravitational Lens"

[ASA98.1] Asano, K., Fukuyama, T.: 1998, *Publ. Astron. Soc. Jap..* **50**, 178, "Elliptical lens model in PG 1115+080"

[ASH01.1] Ashton, C.E., Lewis, G.F.: 2001, *Monthly Notices Roy. Astron. Soc.* **325**, 305, "Gravitational microlensing of planets: the influence of planetary phase and caustic orientation"

[ASO02.1] Aso, O., Hattori, M., Futamase, T.: 2002, *Astrophys. J.* **576**, L5-L7, "The Gravitational Scattering of the Cosmic Microwave Background by Dark Clusters of Galaxies"

[ATH02.1] Athreya, R.M., Mellier, Y., van Waerbeke, L., Pelló, R., Fort, B., Dantel-Fort, M.: 2002, *Astron. Astrophys.* **384**, 743-762, "Weak lensing analysis of MS 1008-1224 with the VLT"

[AUB93.1] Aubourg, E., Bareyre, P., Bréhin, S., Gros, M., Lachlèze-Rey, M. et al.: 1993, *Nature* **365**, 623, "Evidence for gravitational microlensing by dark objects in the Galactic halo"

[AUB95.1] EROS collaboration: Aubourg, E., Bareyre, P., Brehin, S., Gros, M., Lachieze-Rey, M., Laurent, B., Lesquoy, E., Magneville, C., Milsztajn, A., Moscoso, L., Queinnec, F., Rich, J., Spiro, M., Vigroux, L., Zylberajch, S., Ansari, R., Cavalier, F. Moniez, M., Beaulieu, J.P., Ferlet, R., Grison, Ph., Vidal-Madjar, A., Maurice, E., Prevot, L., Gry, C., Guibert, J., Moreau, O., Tajahmady, F.: 1995, *Astron. Astrophys.* **301**, 1, "Search for very low-mass objects in the Galactic Halo"

[AUB99.2] Aubourg, E., Palanque-Delabrouille, N., Salati, P. Spiro, M., Taillet, R.: 1999, *Astron. Astrophys.* **347**, 850, "Microlensing optical depth of the Large Magellanic Cloud"

[AUB99.1] Aubourg, E., Palanque-Delabrouille, N.: 1999, *New Astronomy* **4**, 265, "A search for galactic dark matter with EROS 2"

[AUD99.1] Audit, E., Simmons, F.L.: 1999, *Monthly Notices Roy. Astron. Soc.* **303**, 87, "The use of light polarization for weak lensing inversions"

[AUG01.2] Augusto, P., Browne, I.W.A., Wilkinson, P.N., Jackson, N.J., Fassnacht, C.D. et al.: 2001, *Monthly Notices Roy. Astron. Soc.* **326**, 1007-1014, "B2114+022: a distant radio source gravitationally lensed by a starburst galaxy"

[AUG01.1] Augusto, P., Wilkinson, P.N.: 2001, *Monthly Notices Roy. Astron. Soc.* **320**, L40, "An observational constraint on gravitational lensing by objects of mass $10^{9.5}$ - $10^{10.9}$ $M_\odot$"

[AUG96] Augusto, P., Wilkinson, P.N., Browne, I.V.A.: 1996, *IAU Symp. No.173, (Melburne) "Astrophysical Applications of Gravitational Lensing"*, p.399, "A VLA/Merlin/VLBA for intermediate scale lenses and the discovery of a new lens system?"

[AUG98.1] Augusto, Wilkinson, I.W.A., Browne, P.N.: 1998, *Monthly Notices Roy. Astron. Soc.* **299**, 1159-1192, "Flat-spectrum radio sources with kpc-scale structure"

[AUS98.1] Aussel, H., Gerin, M., Boulanger, F., Désert, F.X., Casoli, F. et al.: 1998, *Astron. Astrophys.* **334**, L73, "The mid infrared spectrum of the hyperluminous galaxies IRAS F15307+3252 and the Cloverleaf"

[AUR01.1] Auriere, M., Baillon, P., Bouquet, A., Carr, B.J., Creze, M. et al.: 2001, *Astrophys. J.* **553**, L137, "A short timescale candidate microlensing event in the POINT-AGAPE pixel lensing survey of M31"

[AVN81.1] Avni, Y.: 1981, *Astrophys. J.* **248**, L95, "On gravitational lenses and the cosmological evolution of quasars"

[AVN88.1] Avni, Y., Shulami, I.: 1988, *Astrophys. J.* **332**, 113, ""Flux conservation" by a Schwarzschild gravitational lens"

[AVR97.1] Avruch, I.M., Cohen, A.S., Lehár, J., Conner, S.R., Haarsma, D.B., Burke, B.F.: 1997, *Astrophys. J.* **488**, L121, "Low surface brightness radio structure in the field of gravitational lens 0957+561"

[BAB00.1] Babichev, E., Dokuchaev, V., I.: 2000, *Phys. Lett. A* **265**, 168-172, "Gravitational lensing of relativistic fireball"

[BAB91.1] Babul, A., Lee, M.H.: 1991, *Monthly Notices Roy. Astron. Soc.* **250**, 407, "Gravitational lensing by smooth inhomogeneities in the Universe"

[BAB87.1] Babul, A., Paczyński, B., Spergel, D.: 1987, *Astrophys. J.* **316**, L49, "Gamma-ray bursts from superconducting cosmic strings at large redshifts"

[BAC83.1] Bacon, R., Nieto, J.-L.: 1983, *Nature* **301**, 400, "Optical variability of QSOs and gravitational lenses in galactic haloes"

[BAC83.2] Bacon, R., Nieto, J.-L.: 1983, *IAU Symposium* **104**, 381, "Statistical analysis of optically variable QSOs and bright galaxies - a hint for gravitational lenses"

[BAC00.2] Bacon, D., Refregier, A., Ellis, R.: 2000, *Monthly Notices Roy. Astron. Soc.* **318**, 625, "Detection of weak gravitational lensing by large-scale structure"

[BAC01.1] Bacon, D., Refregier, A., Clowe, D., Ellis, R.: 2001, *Monthly Notices Roy. Astron. Soc.* **325**, 1065, "Numerical simulations of weak lensing measurements"

[BAC03.1] Bacon, D.J., Taylor, A.N.: 2003, *Monthly Notices Roy. Astron. Soc.* **344**, 1307, "Mapping the 3D dark matter potential with weak shear"

[BAD97.1] Bade, N., Siebert, J., Lopez, S., Voges, W., Reimers, D.: 1997, *Astron. Astrophys.* **317**, L13, "RX J0911.4+0551: A new multiple QSO selected from the ROSAT All-Sky Survey"

[BAG95.2] Baganoff, K. Malkan, M.A.: 1995, *Astrophys. J.* **444**, L13, "Gravitational microlensing is not required to explain quasar variability"

[BAG95.1] Bagchi, J., Kapahi, V.K.: 1995, *Journ. of Astrophys. Astron., (Suppl. to Vol.16)* **16**, 131, "A new population of gravitationally lensed radio arcs in distant Abell clusters"

[BAH86.1] Bahcall, J.N., Bahcall, N.A., Schneider, D.P.: 1986, *Nature* **323**, 515, "Multiple quasars for multiple images"

[BAH94.1] Bahcall, J.N., Flynn, C., Gould, A., Kirhakos, S.: 1994, *Astrophys. J.* **435**, L51, "M dwarfs, microlensing, and the mass budget of the galaxy"

[BAH92.1] Bahcall, J.N., Hartig, G.F., Jannuzi, B.T., Maoz, D., Schneider, D.P.: 1992, *Astrophys. J.* **400**, L51, "Faint object spectrograph observations of the large-redshift gravitational lens candidate 1208+1011"

[BAH92.2] Bahcall, J.N., Maoz, D., Doxsey, R., Schneider, D.P., Bahcall, N.A., Lahav, O., Yanny, B.: 1992, *Astrophys. J.* **387**, 56, "The snapshot survey: a search for gravitationally lensed quasars with the Hubble Space Telescope"

[BAH92.3] Bahcall, J.N., Maoz, D., Schneider, D.P., Yanny, B., Doxsey, R.: 1992, *Astrophys. J.* **392**, L1, "HST imaging of the large-redshift gravitational lens candidate 1208+1011"

[BAI93.1] Baillon, P., Bouquet, A., Giraud-Héraud, Y., Kaplan, J.: 1993, *Astron. Astrophys.* **277**, 1, "Detection of brown dwarfs by the micro-lensing of unresolved stars"

[BAL80.1] Balonek, T.J., Dent, W.A.: 1980, *Astrophys. J.* **240**, L3, "A second radio-optical outburst in the BL Lacertae-type quasi-stellar object 0235+164"

[BAL01.2] Baltz, E.A., Gondolo, P.: 2001, sl Astrophys. J. **559**, 41-52, "Binary events and extragalactic planets in pixel microlensing"
[BAL03.1] Baltz, E.A., Gyuk, G., Crotts, A.: 2003, *Astrophys. J.* **582**, 30-36, "Event rates and timescale distributions from realistic microlensing models of M31"
[BAL00.1] Baltz, E.A., Silk, J.: 2000, *Astrophys. J.* **530**, 578, "Event rate and Einstein time evaluation in pixel microlensing"
[BAL01.1] Baltz, E.A., Silk, J.: 2001, *Monthly Notices Roy. Astron. Soc.* **323**, L31, "The brown dwarf mass function from pixel microlensing"
[BAN03.1] Banerjee, S., Bhattacharyya, A., Ghosh, S.K., Raha, S., Sinha, B., Toki, H.: 2003, *Monthly Notices Roy. Astron. Soc.* **340**, 284-288, "Massive Compact Halo Objects from the relics of the cosmic quark-hadron transition"
[BAN91.1] Bania, T.M., Marscher, A.P.: 1991, *Astron. J.* **101**, 2147, "Observations of local interstellar CO toward four compact extragalactic radio sources"
[BAO94.1] Bao, G., Hadrava, P., Ostgaard, E.: 1994, *Astrophys. J.* **435**, 55, "Emission-line profiles from a relatavistic accretion disk and the role of its multiple images"
[BAR00.2] Barber, A.J.: 2000, *Monthly Notices Roy. Astron. Soc.* **318**, 195, "Significant effects of weak gravitational lensing on determinations of the cosmology from Type Ia supernovae"
[BAR03.1] Barber, A.J., Taylor, A.N.: 2003, *Monthly Notices Roy. Astron. Soc.* **344**, 789-797, "Shear and magnification angular power spectra and higher-order moments from weak gravitational lensing"
[BAR00.1] Barber, A.J., Thomas, P.A., Couchman, H.M.P., Fluke, C.J.: 2000, *Monthly Notices Roy. Astron. Soc.* **319**, 267, "Weak gravitational lensing in different cosmologies, using an algorithm for shear in three dimensions"
[BAR99.3] Barber, A.J., Thomas, P.A., Couchman, H.M.P.: 1999, *Monthly Notices Roy. Astron. Soc.* **310**, 453, "Weak gravitational lensing in the standard cold dark matter model, using an algorithm for three-dimensional shear"
[BAR96.3] Bar-Kana, R.: 1996, *Astrophys. J.* **468**, 17, "Effect of large-scale structure on multiply imaged sources"
[BAR96.4] Bar-Kana, R.: 1996, *Phys. Rev. D.* **54**, 7138, "Limits on a stochastic background of gravitational waves from gravitational lensing"
[BAR97.1] Bar-Kana, R.: 1997, *Astrophys. J.* **489**, 21, "Analysis of time delays in the gravitational lens PG1115+080"
[BAR98.3] Barkana, R.: 1998, *Astrophys. J.* **502**, 531, "Fast calculation of a family of elliptical gravitational lens models"
[BAR99.1] Barkana, R., Blandford, R., Hogg, D.: 1999, *Astrophys. J.* **513**, L91, "A possible gravitational lens in the Hubble Deep Field South"
[BAR99.6] Barkana, R., Lehár, J., Falco, E.E., Grogin, N.A., Keeton, C.R., Shapiro, I.I.: 1999, *Astrophys. J.* **520**, 479, "A reassessment of the data and models of the gravitational lens Q 0957+561"
[BAR91.1] Bareyre, P., Maurice, E., Prévot, L., Spiro, M.: 1991, *La Recherche* **22**, 247, "Comment voir la masse cachée des galaxies?"
[BAR99.8] Barnes, D.G., Webster, R.L., Schmidt, R.W., Hughes, A.: 1999, *Monthly Notices Roy. Astron. Soc.* **309**, 641, "Imaging HI in the lensing galaxy 2237+0305"

[BAR65.1] Barnothy, J.M.: 1965, *Astron. J.* **70**, 666, "Quasars and the gravitational image intensifier"
[BAR66.1] Barnothy, J.M.: 1966, *The Observatory* **86**, 115, "An observational test of the hypothesis that quasars are produced by gravitational lenses"
[BAR68.1] Barnothy, J.M., Barnothy, M.F.: 1968, *Science* **162**, 348, "Galaxies as gravitational lenses"
[BAR71.1] Barnothy, J.M., Barnothy, M.F.: 1971, *Bull. AAS* **3**, 472, "Rapid differential proper motion in the radio fine structure of 3C279"
[BAR72.1] Barnothy, J.M., Barnothy, M.F.: 1972, *Astrophys. J.* **174**, 477, "Expected density of gravitational-lens quasars"
[BAR86.1] Barnothy, J.M., Barnothy, M.F.: 1986, *Astron. J.* **91**, 755, "Morphological aberration on gravitational-lens images"
[BAR87.1] Barrow, J.D., Subramanian, K.: 1987, *Nature* **327**, 375, "Lensing of supernova neutrinos"
[BAR93.1] Bartelmann, M.: 1993, *Astron. Astrophys.* **276**, 9, "Consequences of cluster evolution for the statistics of giant luminous arcs"
[BAR95.7] Bartelmann, M.: 1995, *Astron. Astrophys.* **299**, 11, "Arc statistics with realistic cluster potentials. III. A systematic effect on cluster mass estimates"
[BAR95.8] Bartelmann, M.: 1995, *Astron. Astrophys.* **298**, 661, "Cosmological parameters from angular correlations between QSOs and galaxies"
[BAR95.2] Bartelmann, M.: 1995, *Astron. Astrophys.* **303**, 643, "Cluster mass estimates from weak lensing"
[BAR96.5] Bartelmann, M.: 1996, *Astron. Astrophys.* **313**, 697, "Arcs from a universal dark-matter halo profile"
[BAR00.4] Bartelmann, M.: 2000, *Astron. Astrophys.* **357**, 51, "High-redshift quasars lensed by spiral galaxies"
[BAR01.1] Bartelmann, M.: 2001, *Astron. Astrophys.* **370**, 754, "Lensing Sunyaev-Zel'dovich clusters"
[BAR93.3] Bartelmann, M.: 1993, *Class. Quantum Grav.* **10**, S49-S57, "Highlights in gravitational lensing"
[BAR98.5] Bartelmann, M., Huss, A., Colberg, J.M., Jenkins, A., Pearce, F.R.: 1998, *Large Scale Structure: Tracks and Traces, Proc. of the 12th Potsdam Cosmology Workshop, Sept.97, eds. V. Mueller, S. Gottloeber, J.P.Muecket, J. Wambsganss, World Scientific 1998*, p.321, "On Arcs and Omega"
[BAR98.2] Bartelmann, M., Huss, A., Colberg, J.M., Jenkins, A., Pearce, F.R.: 1998, *Astron. Astrophys.* **330**, 1, "Arc statistics with realistic cluster potentials. IV. Clusters in different cosmologies"
[BAR01.2] Bartelmann, M., King, L., Schneider, P.: 2001, *Astron. Astrophys.* **378**, 361-369, "Weak-lensing halo numbers and dark-matter profiles"
[BAR96.1] Bartelmann, M., Loeb, A.: 1996, *Astrophys. J.* **457**, 529, "Gravitational lensing of quasi-stellar objects by their damped lyman-alpha absorbers"
[BAR98.4] Bartelmann, M., Loeb, A.: 1998, *Astrophys. J.* **503**, 48, "Effects of disks on gravitational lensing by spiral galaxies"
[BAR03.2] Bartelmann, M., Meneghetti, M., Perrotta, F., Baccigalupi, C., Moscardini, L.: 2003, *Astron. Astrophys.* **409**, 449-457, "Arc statistics in cosmological

models with dark energy"
[BAR95.3] Bartelmann, M., Narayan, R.: 1995, *Astrophys. J.* **451**, 60, "The lens parallax method: determining the redshifts of the faint blue galaxies through gravitational lensing"
[BAR95.5] Bartelmann, M., Narayan, R.: 1995, *AIP Conf. Proceedings, "Dark Matter", College Park, MD, Oct.94 (eds. Holt, S.S., Bennett, C.L.W)* **336**, p.307, "Gravitational lensing and the mass distribution of clusters"
[BAR96.2] Bartelmann, M., Narayan, R., Seitz, S., Schneider, P.: 1996, *Astrophys. J.* **464**, L115, "Maximum likelihood cluster reconstruction"
[BAR02.3] Bartelmann, M., Perrotta, F., Baccigalupi, C.: 2002, *Astron. Astrophys.* **396**, 21-30, "Halo concentrations and weak-lensing number counts in dark energy cosmologies"
[BAR90.2] Bartelmann, M., Schneider, P.: 1990, *Astron. Astrophys.* **239**, 113, "Influence of microlensing on quasar statistics"
[BAR91.2] Bartelmann, M., Schneider, P.: 1991, *Astron. Astrophys.* **248**, 349, "Gravitational lensing by large-scale structures"
[BAR92.2] Bartelmann, M., Schneider, P.: 1992, *Astron. Astrophys.* **259**, 413, "A large-scale structure model for gravitational lensing"
[BAR92.3] Bartelmann, M., Schneider, P.: 1992, *Astron. Astrophys.* **268**, 1, "Large-scale correlations between QSOs and galaxies. An effect caused by gravitational lensing?"
[BAR93.2] Bartelmann, M., Schneider, P.: 1993, *Astron. Astrophys.* **271**, 421, "Large-scale QSO-galaxy correlations revisited"
[BAR94.3] Bartelmann, M., Schneider, P.: 1994, *Astron. Astrophys.* **284**, 1, "Large-scale correlations between QSOs and IRAS galaxies" (Erratum: 1995, *Astron. Astrophys.* **295**, 565)
[BAR99.2] Bartelmann, M., Schneider, P.: 1999, *Astron. Astrophys.* **345**, 17, "Power spectrum from weak-shear data"
[BAR01.3] Bartelmann, M., Schneider, P.: 2001, *Phys. Rep.* **340**, 291, "Weak gravitational lensing"
[BAR94.2] Bartelmann, M., Schneider, P., Hasinger, G.: 1994, *Astron. Astrophys.* **290**, 399, "Diffuse X-ray emission around high-redshift, radio-loud QSOs"
[BAR96.6] Bartelmann, M., Steinmetz, M.: 1996, *Monthly Notices Ro. Astron. Soc.96* **283**, 431, "A omparison of X-ray and strong lensing properties of simulated X-ray Clusters"
[BAR95.1] Bartelmann, M., Steinmetz, M., Weiss, A.: 1995, *Astron. Astrophys.* **297**, 1, "Arcs statistics with realistic cluster potentials. II.Influence of cluster asymmetry and substructure"
[BAR94.1] Bartelmann, M., Weiss, A.: 1994, *Astron. Astrophys.* **287**, 1, "Arc statistics with realistic cluster potentials. I. Method and first results"
[BAR97.5] Bartsch, A., Schneider, P., Bartelmann, M.: 1997, *Astron. Astrophys.* **319**, 375, "Reanalysis of the association of high-redshift 1-Jansky quasars with IRAS galaxies"
[BAR94.5] Barvainis, R.: 1994, *Proc. of Oxford Torus Workshop, ed. M.J.Ward*, p.81, "CO and CI in the Cloverleaf, a quasar z=2.5"

[BAR95.4] Barvainis, R.: 1995, *Astron. J.* **110**, 1573, "Non-confirmation of extreme CO(1-0) line emission from IRAS F10214+4724"
[BAR02.1] Barvainis, R., Alloin, D., Bremer, M.: 2002, *Astron. Astrophys.* **385**, 399-403, "A CO survey of gravitationally lensed quasars with the IRAM interferometer"
[BAR98.1] Barvainis, R., Alloin, D., Guilloteau, S., Antonucci, R.: 1998, *Astrophys. J.* **492**, L13, "Detection of CO(3-2) emission at z=2.64 from the gravitationally lensed quasar MG 0414+0534"
[BAR92.4] Barvainis, R., Antonucci, R., Coleman, P.: 1992, *Astrophys. J.* **399**, L19, "Submillimeter observations of radio-quiet quasars and a luminous Seyfert 1 galaxy including the first detections"
[BAR95.6] Barvainis, R., Antonucci, R., Hurt, T., Coleman, P., Reuter, H.-P.: 1995, *Astrophys. J.* **451**, L9, "The broadband spectral energy distributions of the cloverleaf quasar and IRAS F10214+4724"
[BAR02.2] Barvainis, R., Ivison, R.: 2002, *Astrophys. J.* **571**, 712-720, "A Submillimeter Survey of Gravitationally Lensed Quasars"
[BAR94.4] Barvainis, R., Tacconi, L., Antonucci, R., Alloin, D., Coleman, P.: 1994, *Nature* **371**, 586, "Extremely strong carbon monoxide emission from the cloverleaf quasar at a redshift of 2.5"
[BAR97.2] Barvainis, R., Maloney, Ph., Antonucci, R., Alloin, D.: 1997, *Astrophys. J.* **484**, 695, "Multiple CO transitions, CI, and HCN from the Cloverleaf Quasar"
[BAR97.6] Baryshev, Y.V., Bukhmastova, Y.L.: 1997, *Astron. Rep.* **41**, 436, "Gravitational mesolensing by King objects and quasar-galaxy associations"
[BAR97.4] Baryshev, Yu.V., Ezova, Yu.V.: 1997, *Astronomy Reports* **41**, 436, "Gravitational mezolensing by king objects and quasar-galaxy associations"
[BAT98.1] Battersby, S.: 1998, *Nature* **392**, 548, "Extragalactic astronomy: A ring in truth"
[BAU94.1] Bautz, M.W., Crew, G.B., Gendreau, K.C., Mushotsky, R., Arnaud, K.A. et al.: 1994, *Proc. of New Horizons of X-ray astronomy-First results from ASCA*, p.285, "ASCA observations of distant clusters of galaxies"
[BAU00.1] Bautz, M.W., Malm, M.R., Baganoff, F.K., Ricker, G.R., Canizares, C.R. et al.: 2000, *Astrophys. J.* **543**, L119, "Detection of X-ray emission from gravitationally lensed submillimeter sources in the field of Abell 370"
[BAU94.2] Bautz, M.W., Mushotsky, R., Fabian, A.C., Yamashita, K., Gendreau, K.C. et al.: 1994, *Publ. Astron. Soc. Japan* **46**, L131, "ASCA detection of iron line emission from the distant galaxy cluster Abell 370"
[BAZ87.1] Bazin, M.J., De Freitas, L.: 1987, *Astrophys. Space Science* **138**, 381, "True Gravitational lens effect for cylindrical deflectors"
[BEA02.1] Beasley, A.J. , Gordon, D., Peck, A.B., Petrov, L., MacMillan, D.S., Fomalont, E.B., Ma, C.: 2002, *Astrophys. J. Sup.* **141**, 13-21, "The VLBA Calibrator Survey - VCS1"
[BEA92.1] Beauchemin, M., Borra, E.F.: 1992, *Astrophys. J.* **103**, 405, "An automated search for widely spaced gravitational lenses performed on 25 grens plates"
[BEA01.1] Beaulieu, J.-P., de Wit, W.J., Lamers, H.,J.,G.,L.,M., Marquette, J.-B.,

Coutures, C. et al.: 2001, *Astron. Astrophys.* **380**, 168-176, "Blue irregular variable stars in the Small Magellanic Cloud from EROS2: Herbig Ae/Be or classical Be stars?"

[BEA95.1] Beaulieu, J.P., Ferlet, R., Grison, Ph., Vidal-Madjar, A., Kneib, J.P.et al.: 1995, *Astron. Astrophys.* **299**, 168, "Spectroscopic studies of the two EROS candidate microlensed stars"

[BEA98.1] Beaulieu, J.P., Sackett, P.D.: 1998, *Astron. J.* **116**, 209, "Red clump morphology as evidence against a new intervening stellar population as the primary source of microlensing toward the Large Magellanic Cloud"

[BEC94.1] Bechtold, J., Crotts, A.P.S., Duncan, R.C., Fang, Y.: 1994, *Astrophys. J.* **437**, L83, "Spectroscopy of the double quasars Q1343+266A,B: A new determination of the size of Ly-α forest absorbers"

[BEC95.1] Bechtold, J., Yee, H.K.C.: 1995, *Astron. J.* **110**, 1984, "High spatial resolution spectroscopy of the Ly α absorption towards the gravitational lens system B 1422+2309"

[BEC99.2] Beckmann, V., Bade, N., Wucknitz, O.: 1999, *Astron. Astrophys.* **352**, 395, "The extreme high frequency peaked BL Lac 1517+656"

[BEC99.1] Beck-Winchatz, B., Anderson, S.F.: 1999, *Astrophys. J.* **117**, 2582-2593, "A morphological and multicolor survey for faint QSOs in the Groth-Westphal strip"

[BEG87.1] Begelman, M.C., Blandford, R.D.: 1987, *Nature* **330**, 46, "Luminous arcs from galactic bow shocks"

[BEK94.1] Bekenstein, J.D., Sanders, R.H.: 1994, *Astrophys.J.* **429**, 480, "Gravitational lenses and unconventional gravity theories"

[BEL00.1] Belle, K.E., Lewis, G.F.: 2000, *Publ. Astron. Soc. Pacific* **112**, 320, "Microlensing of broad absorption line quasars: Polarization variability"

[BEL02.1] Belokurov, V.A., Evans, N.W.: 2002, *Monthly Notices Roy. Astron. Soc.* **331**, 649-665, "Astrometric microlensing with the GAIA satellite"

[BEL03.1] Belokurov, V., Evans, N. Wyn, Le Du, Y.: 2003, *Monthly Notices Roy. Astron. Soc.* **341**, 1373-1384, "Light-curve classification in massive variability surveys -I. Microlensing"

[BEL97.1] Belokurov, V.A., Sazhin, M.V.: 1997, *Astronomy Reports* **41**, 777, "Polarization during microlensing of binary stars"

[BEN00.1] Benabed, K., Bernardeau, F.: 2000, *Phys. Rev. D* **61**, 123510, "Cosmic string lens effects on CMB polarization patterns"

[BEN01.2] Benabed, K., Bernardeau, F., van Waerbeke, L.: 2001, *Phys. Rev. D* **63**, 043501, "CMB B polarization to map the large-scale structures of the universe"

[BEN99.3] Benitez, N., Broadhurst, T., Rosati, P., Courbin, F., Squires, G. et al.: 1999, *Astrophys. J.* **527**, 31, "Deep Imaging of AXJ2019+112: The Luminosity of a "Dark Cluster""

[BEN95.3] Benitez, N., Martinez-González, E.: 1995, *Astrophys. J.* **448**, L89, " High-redshift Active Galactic Nuclei from the 1Jy catalogue and the magnification bias"

[BEN95.2] Benitez, M., Martinez-González, E., Gonzalez-Serrano, Cayon, L: 1995, *Astron. J.* **109**, 935, "R-band imaging of fields around $1 < z < 2$ radiogalaxies"

[BEN97.1] Benitez, N., Martinez-Gonzáles, E., Martinez-Mirones, J.M.: 1997, *Astron. Astrophys. Let.* **321**, L1, "Statistical excess of foreground galaxies around high-z radiogalaxies"

[BEN97.2] Benitez, N., Martinez-Gonzáles, E.: 1997, *Astrophys. J.* **477**, 27, "Large Scale QSO-galaxy correlations for radio loud and optically selected QSO samples"

[BEN02.2] Benitez, N., Riess, A., Nugent, P., Dickinson, M., Chornock, R., Filippenko, A.V.: 2002, *Astrophys. J.* **577**, L1-L4, "The Magnification of SN 1997ff, the Farthest Known Supernova"

[BEN02.4] Benitez, N., Riess, A.G., Nugent, P.E., Dickinson, M., Chornock, R., Filippenko, A.V.: 2002, *Astrophys. J.* **577**, L1-L4, "The magnification of SN 1997ff, the farthest known Supernova"

[BEN99.1] Benitez, N., Sanz, J.L.: 1999, *Astrophys. J.* **525**, L1, "Measuring Ω_m/b with weak lensing"

[BEN01.1] Benitez, N., Sanz, J.L., Martinez-Gonzalez E.: 2001, *Monthly Notices Roy. Astron. Soc.* **320**, 241, "Quasar-galaxy associations revisited"

[BEN98.1] Bennett, D.P.: 1998, *Astrophys. J.* **493**, L79, "Red clump stars as a tracer of microlensing optical depth"

[BEN80.1] Bennett, C.L., Lawrence, C.R., Burke, B.F.: 1980, *Nature* **283**, 175, "A search for neutral hydrogen absorption in the double quasar 0957+561"

[BEN92.1] Bennett, D.P., Alcock, C., Axelrod, T., Cook, K., Park, H. et al.: 1992, *AIP Conf. Proc.* **222**, 446, "A search for massive compact halo objects in our galaxy"

[BEN95.4] Bennett, D.P., Alcock, R.A., Allsman, T.S., Axelrod, K.H., Cook, K.C. et al.: 1995, *AIP Conf. Proceedings, "Dark Matter", College Park, MD, Oct.94 (eds. Holt, S.S., Bennett, C.L)* **336**, p.77, "Recent developments in gravitational microlensing and the latest MACHO results: microlensing towards the galactic bulge"

[BEN96.3] Bennett, D.P., Alcock, C., Allsman, R.A., D.Alves, Axelrod, T.S. et al., (The MACHO Collaboration): 1996, *Nucl. Phys. Proc. Suppl.* **51B**, p.152, "A binary lensing event toward the LMC: Observations and dark matter implications"

[BEN02.3] Bennett, D.P., Becker, A.C., Quinn, J.L., Tomaney, A.B., Alcock, C. et al. (The MACHOand MPS Collaborations): 2002, *Astrophys. J.* **579**, 639-659, "Gravitational Microlensing Events Due to Stellar Mass Black Holes"

[BEN96.1] Bennett, D.P., Rhie, S.H.: 1996, *Astrophys. J.* **472**, 660, "Detecting earth-mass planets with gravitational microlensing"

[BEN99.2] Bennett, D.P., Rhie, S.H., Becker, A.C., Butler, N., Dann, J. et al.: 1999, *Nature* **402**, 57, "Discovery of a planet orbiting a binary star system from gravitational microlensing"

[BEN02.1] Bennett, D.P., Rhie, S.H.: 2002, *Astrophys. J.* **574**, 985-1003, "Simulations of a Space-Based Microlensing Survey for terrestrial extra-solar planets"

[BEN86.1] Bennett, D.P., Stebbins, A., Paczyński, B.: 1986, *Nature* **324**, 392, "Arc minute gravitational lenses and cosmic strings"

[BEN95.1] Benetti, S., Pasquini, L., West, R.M.: 1995, *Astron. Astrophys.* **294**, L37,

"First spectroscopic confirmation of a microlensing event towards the galactic bulge"
[BEN79.1] Benson, J.R., Cooke, J.H.: 1979, *Astrophys. J.* **227**, 360, "High-intensification regions of gravitational lenses"
[BER97.5] Berezinsky, V., Bottino, A., Mignola, G.: 1997, *Phys. Let. B* **391**, 355, "On neutralino stars as microlensing objects"
[BER88.1] Bergeron, J., Boulade, O., Kunth, D., Tytler, D., Boksenberg, A., Vigroux, L.: 1988, *Astron. Astrophys.* **191**, 1, "Crowding on the sight line to the QSO PHL 1226: the nearby galaxy IC 1746 and a galaxy cluster at z=0.16"
[BER00.1] Bergström, L., Goliath, M., Goobar, A., Mörtsell, E.: 2000, *Astron. Astrophys.* **358**, 13, "Lensing effects in an inhomogeneous universe"
[BER90.1] Bergmann, A.G., Petrosian, V., Lynds, R.: 1990, *Astrophys. J.* **350**, 23, "Gravitational lens models of arcs in clusters"
[BER93.2] Bergmann, A.G., Petrosian, V.: 1993, *Astrophys. J.* **413**, 18, "Statistics of arcs in clusters of galaxies"
[BER98.1] Bernardeau, F.: 1998, *Astron. Astrophys.* **338**, 767, "Lens distortion effects on CMB maps"
[BER98.2] Bernardeau, F.: 1998, *Astron. Astrophys.* **338**, 375, "The effects of source clustering on weak lensing statistics"
[BER01.1] Bernardeau, F.: 2001, *New Astronomy Rev.* **45**, 379, "Gravitational lenses to probe the universe"
[BER02.3] Bernardeau, F., Mellier, Y., van Waerbeke, L.: 2002, *Astron. Astrophys.* **389**, L28-L32, "Detection of non-Gaussian signatures in the VIRMOS-DESCART lensing survey"
[BER01.3] Bernardeau, F., Uzan, J.-P.: 2001, *Phys. Rev. D* **63**, 023005, "Cosmic string lens phenomenology: model of poisson energy distribution"
[BER97.1] Bernardeau, F., Van Waerbeke, L., Mellier, Y.: 1997, *Astron. Astrophys.* **322**, 1, "Weak lensing statistics as a probe of Ω and power spectrum"
[BER03.1] Bernardeau, F., van Waerbeke, L., Mellier, Y.: 2003, *Astron. Astrophys.* **397**, 405-414, "Patterns in the weak shear 3-point correlation function"
[BER97.3] Bernardeau, F.: 1997, *Astron. Astrophys.* **324**, 15, "Weak lensing detection in CMB maps"
[BER03.2] Bernardeau, F.: 2003, *Rep. Prog. Phys.* **66**, 691-736, "Dark matter, dark energy, gravitational lensing and the formation of structure in the universe"
[BER00.3] Bernardeau, F., Valageas, P.: 2000, *Astron. Asrophys.* **364**, 1, "Construction of the one-point PDF of the local aperture mass in weak lensing maps"
[BER02.1] Bernstein, G.: 2002, *Pub. Astron. Soc. Pac.* **114**, 98-111, "Advanced Exposure-Time Calculations: Undersampling, Dithering, Cosmic Rays, Astrometry, and Ellipticities"
[BER97.2] Bernstein, G., Fischer, Ph., Tyson, J.A., Rhee, G.: 1997, *Astrophys. J.* **483**, L79, "Improved parameters and new lensed features for Q0957+561 from WFPC2 imaging"
[BER93.1] Bernstein, G.M., Tyson, J.A., Kochanek, C.S.: 1993, *Astron. J.* **105**, 816, "A large arc in the gravitational lens system 0957+561"

[BER99.3] Bernstein, G., Fischer, P.: 1999, *Astron. J.* **118**, 14, "Values of H_0 from models of the gravitational lens 0957+561"

[BER02.2] Bernstein, G.M., Jarvis, M.: 2002, *Astron. J.* **123**, 583-618, "Shapes and shears, stars and smears: optimal measurements for weak lensing"

[BER99.2] Bershady, M.A., Charlton, J.C., Geoffroy, J.M.: 1999, *Astrophys. J.* **518**, 103, "The distribution of high-redshift galaxy colors: line-of-sight variations in neutral hydrogen absorption"

[BER01.2] Bertin, G., Lombardi, M.: 2001, *Astrophys. J.* **546**, 47, "Double lenses"

[BER97.6] Bertolami, O.: 1997, *Gen. Relativity and Gravitation* **29**, 851, "Weak lensing, shear and the cosmic virial theorem in a model with a scale-dependent gravitational coupling"

[BES95.1] Beskin, G.M., Oknyanskij, V.L.: 1995, *Astron. Astrophys.* **304**, 341, "The optical time delay in the double quasar Q0957+561A,B"

[BES99.1] Beskin, G.M., Shearer, A., Golden, A., Bartolini, C., Guarnieri, A., Masetti, N., Piccioni, A.: 1999, *Astron. Astrophys. Sup. (Special Issue)* **138**, 587, "Catching the light curve of a flaring GRB. The opportunity offered by gravitational lensing"

[BES02.1] Beskin, G.M., Tuntsov, A.V.: 2002, *Astron. Astrophys.* **394**, 489-503, "Detection of compact objects by means of gravitational lensing in binary systems"

[BEZ98.1] Bézecourt, J., Pelló, R., Soucail, G.: 1998, *Astron. Astrophys* **330**, 399, "Number counts and redshift distribution of gravitational arclets as a probe of galaxy evolution"

[BEZ99.1] Bézecourt, J.Kneib, J.P., Soucail, G., Ebbels, T.M.D.: 1999, *Astron. Astrophys.* **347**, 21, "Lensed galaxies in Abell 370 I. Modeling the number counts and redshift distribution of background sources"

[BEZ99.2] Bézecourt, J., Soucail, G., Ellis, R.S., Kneib, J.-P.: 1999, *Astron. Astrophys.* **351**, 433, "Lensed galaxies in Abell 370 II. The ultraviolet properties of arclets and the star formation rate at high redshift"

[BEZ97.1] Bézecourt, J., Soucail, G.: 1997, *Astron. Astrophys.* **317**, 661, "Redshift survey of gravitational arclets in Abell 2390"

[BIG99.1] Biggs, A.D., Browne, I.W.A., Helbig, P., Koopmans, L.V.E. et al.: 1999, *Monthly Notices Royal Astron. Soc.* **304**, 349, "Time delay for the gravitational lens system B 0218+357"

[BIG01.1] Biggs, A.D., Browne, I.W.A., Wilkinson, P.N.: 2001, *Monthly Notices Roy. Astron. Soc.* **323**, 995, "Intrinsic intraday variability in the gravitational lens system B0218+357"

[BIG03.1] Biggs, A.D., Rusin, D., Browne, I.W.A., de Bruyn, A.G., Jackson, N.J. et al.: 2003, *Monthly Notice Roy. Astron. Soc.* **338 (4)**, 1084-1088, "B0850+054: a new gravitational lens system from CLASS"

[BIG03.2] Biggs, A.D., Wucknitz, O., Porcas, R.W., Browne, I.W.A., Jackson, N.J., Mao, S., Wilkinson, P.N.: 2003, *Monthly Notices Roy. Astron. Soc.* **338 (3)**, 599-608, "Global 8.4-GHz VLBI observations of JVAS B0218+357"

[BIG00.1] Biggs, A.D., Xanthopoulos, E., Browne, I.W.A., Koopmans, L.V.E., Fassnacht, C.D.: 2000, *Monthly Notices Roy. Astron. Soc.* **318**, 73, "VLA 8.4-GHz monitoring observations of the CLASS gravitational lens B1933+503"

[BIL00.1] Bilic,N., Nikolic, H., Viollier, R.D: 2000, *Astrophys. J.* **537**, 909, "Fermion stars as gravitational lenses"

[BIN00.1] Binney, J., Bissantz, N., Gerhard, O: 2000, *Astrophys. J.* **537**, L99, "Is galactic structure compatible with microlensing data?"

[BIS97.1] Bissantz, N., Englmaier, P., Binney J., Gerhard, O.: 1997, *Monthly Notices Roy. Astron. Soc.* **289**, 651, "The microlensing optical depth of the COBE bulge"

[BIS02.1] Bissantz, N., Gerhard, O.: 2002, *Monthly Notices Roy. Astron. Soc.* **330**, 591-608, "Spiral arms, bar shape and bulge microlensing in the Milky Way"

[BLA99.1] Blackslee, J.P., Metzger, M.R.: 1999, *Astrophys. J.* **513**, 592, "A lensed arc in the low-redshift cluster Abell 2124"

[BLA01.1] Blakeslee, J.P., Metzger, M.R., Kuntschner, H., Côté, P.: 2001, *Astron. J.* **121**, 1, "Lensing in the Hercules Supercluster"

[BLA81.1] Blades, J.C., Hunstead, R.W., Murdoch, H.S.: 1981, *Monthly Notices Roy. Astron. Soc.* **194**, 669, "Detection of CaII absorption in the spectrum of the QSO 0446-208 due to an intervening galaxy"

[BLA92.1] Blaes, O.M., Webster, R.L.: 1992, *Astrophys. J.* **391**, L63, "Using gamma-ray bursts to detect a cosmological density of compact objects"

[BLA96.3] Blandford, R.D.: 1996, *Nuclear Physics B - Proceedings Supplements* **51**, 101-106, "Gravitational Lensing"

[BLA96.1] Blain, A.W.: 1996, *Monthly Notices Roy. Astron. Soc.* **283**, 1340, "Galaxy-galaxy gravitational lensing in the milimetre/submilimetre waveband"

[BLA97.1] Blain, A.W.: 1997, *Monthly Notices Roy. Astron. Soc.* **290**, 553, "Gravitational lensing by clusters of galaxies in the milimetre/submilimetre waveband"

[BLA97.2] Blain, A.W.: 1997, *ESA proceedings SP-401*, p.175, "Searching for gravitational lenses in the distant universe"

[BLA98.1] Blain, A.W.: 1998, *Monthly Notices Roy. Astron. Soc.* **295**, 92, "Submillimetre-wave gravitational lenses and cosmology"

[BLA98.2] Blain, A.W.: 1998, *Monthly Notices Roy. Astron. Soc.* **297**, 511, "The Planck Surveyor mission and gravitational lenses"

[BLA98.3] Blain, A.W.: 1998, *Monthly Notices Roy. Astron. Soc.* **297**, 502, "Gravitational lensing and the Sunyaev-Zel'dovich effect in the millimetre/submillimetre waveband"

[BLA98.7] Blain, A.: 1998, *Nature* **393**, 520, "Observational cosmology: Through a glass brightly"

[BLA99.3] Blain, A.: 1999, *Monthly Notices Roy. Astron. Soc.* **304**, 669, "The differential magnification of high-redshift ultraluminous infrared galaxies"

[BLA02.2] Blain, A.W.: 2002, *Monthly Notices Roy. Astron. Soc.* **330**, 219-224, "Exploiting magnification bias in ultradeep submillimetre-wave surveys using ALMA"

[BLA02.1] Blain, A.W.: 2002, *Astron. Astrophys.* **570**, L51-L54, "Detecting Gravitational Lensing Cosmic Shear from Samples of Several Galaxies Using Two-dimensional Spectral Imaging"

[BLA99.1] Blain, A.W., Kneib, J.-P., Ivison, R.J., Smail, I.: 1999, *Astrophys. J.* **512**, L87, "Deep counts of submillimeter galaxies"

[BLA99.2] Blain, A.W., Möller, O., Maller, A.H.: 1999, *Monthly Notices Roy. Astron. Soc.* **303**, 423, "Statistical lensing by galactic disks"

[BLA87.2] Blanchard, A., Hammer, F., Vanderriest, C.: 1987, *La Recherche* **18**, 1182, "Les mirages gravitationnels"

[BLA87.1] Blanchard, A., Schneider, J.: 1987, *Astron. Astrophys.* **184**, 1, "Gravitational lensing effect on the fluctuations of the cosmic background radiation"

[BLA90.1] Blandford, R.D.: 1990, *Quartely J. Roy. Astron. Soc.* **31**, 305, "Gravitational lenses"

[BLA99.5] Blandford, R.D., Helfand, D.J.: 1999, *Monthly Notices Roy. Astron. Soc.* **305 (3)**, L45-L48, "Will GRB 990123 perform an encore?"

[BLA81.2] Blandford, R.D., Jaroszyński, M.: 1981, *Astrophys. J.* **246**, 1, "Gravitational distortion of the images of distant radiosources in an inhomogeneous universe"

[BLA87.3] Blandford, R.D., Kochanek, C.S.: 1987, *Astrophys. J.* **321**, 658, "Gravitational imaging by isolated elliptical potential wells I - Cross sections"

[BLA87.4] Blandford, R.D., Kochanek, C.S.: 1987, *"Dark matter in the Universe", World Scientific, Singapore*, p.133, "Gravitational lenses"

[BLA89.1] Blandford, R.D., Kochanek, C.S., Kovner, I., Narayan, R.: 1989, *Science* **245**, 824, "Gravitational lens optics"

[BLA88.1] Blandford, R.D., Kovner, I.: 1988, *Phys. Rev.* **38A**, 4028, "Formation of arcs by nearly circular gravitational lenses"

[BLA96.2] Blandford, R.D., Kundić, T.: 1996, *Proc. of the STScI Symp., Baltimore, MD, May, 1996,"The Extragalactic Distance Scale", eds. M. Livio, M. Donahue, and N. Panagia, (Cambridge University Press)*, p.60, "Gravitational lensing and the extragalactic distance scale"

[BLA86.1] Blandford, R.D., Narayan, R.: 1986, *Astrophys. J.* **310**, 568, "Fermat's principle, caustics, and the classification of gravitational lens images"

[BLA92.2] Blandford, R.D., Narayan, R.: 1992, *Annual Review of Astron. Astrophys.* **30**, 311, "Cosmological applications of gravitational lensing"

[BLA87.5] Blandford, R.D., Phinney, E.S., Narayan, R.: 1987, *Astrophys. J.* **313**, 28, "1146+111 B, C: a giant gravitational lens?"

[BLA91.1] Blandford, R.D., Saust, A.B., Brainerd, T.G., Villumsen, J.V.: 1991, *Monthly Notices Roy. Astron. Soc.* **251**, 600, "The distortion of distant galaxy images by large scale structure"

[BLA98.5] Blanton, M., Turner, E.L., Wambsganss, J.: 1998, *Monthly Notices Roy. Astron. Soc.* **298**, 1223, "Ultraviolet images of the gravitationally lensed quadruple quasar Q2237+0305 with the HSTWFPC2"

[BLI75.1] Bliokh, P.V., Minakov, A.A.: 1975, *Astrophys. Space Sci.* **34**, L7, "Diffraction of light and lens effect of the stellar gravitation field"

[BLI89.1] Bliokh, P.V., Minakov, A.A.: 1989, *Adv. Space Res.* **9**, 143, "Gravitational lenses: research results of the decade (1979-1988)"

[BLO96.1] Bloomfield Torres, L.F., Waga, I.: 1996, *Monthly Notices Roy. Astron. Soc.* **279**, 712, "Decaying Λ cosmologies and statistical properties of gravitational lenses"

[BOD98.1] Boden, F., Shao, M., Van Buren, D.: 1998, *Astrophys. J.* **502**, 538, "Astrometric observations of MACHO gravitational microlensing"

[BOG95.1] Bogdanov, M.B., Cherepashchuk, A.M.: 1995, *Astronomy Reports* **39**, 779, "Gravitational microlensing of stars of nonzero angular size"

[BOG95.2] Bogdanov, M.B., Cherepashchuk, A.M.: 1995, *Astron. Let.* **21**, 505, "The "chromatic" effect in gravitational microlensing of stars"

[BOG96.1] Bogdanov, M.B., Cherepashchuk, A.M.: 1996, *Astronomy Reports* **40**, 713, "Reconstruction of the brightness distribution over a stellar disk from observations of gravitational microlensing"

[BOG96.2] Bogdanov, M.B., Cherepashchuk, A.M., Sazhin, M.V.: 1996, *Astrophys. Space Science* **235**, 219, "Microlensing and polarization"

[BOG98.1] Bogdanov, M.B., Cherepashchuk, A.M.: 1998, *Astronomy Reports* **42**, 81, "A generalized model for gravitational microlensing of stars: analysis of the OGLE Data"

[BOG98.2] Bogdanov, M.V., Cherepashchuk, A.M.: 1998, *Astronomy Reports* **42**, 229, "The physical nature of OGLE gravitational lenses"

[BOG98.3] Bogdanov, M.V., Cherepashchuk, A.M.: 1998, *Astronomy Reports* **42**, 81, "A generalized model for gravitational microlensing of stars: analysis of the OGLE data"

[BOG99.1] Bogdanov, M. B., Cherepashchuk, A. M.: 1999, *Astron. Rep.* **43**, 601, "Disk brightness distribution of a red giant from observations of gravitational microlensing"

[BOH99.1] Böhringer, H., Soucail, G., Mellier, Y., Ikebe, Y., Schuecker, P.: 1999, *Astron. Astrophys.* **353**, 124, "The X-ray morphology of the lensing galaxy cluster Cl0024+17"

[BOH98.1] Böhringer, H., Tanaka, Y., Mushotzky, R.F., Ikebe, Y., Hattori, M.: 1998, *Astron. Astrophys.* **334**, 789, "An ASCA-ROSAT study of the distant, lensing cluster A2390"

[BOI90.1] Boissé, P., Boulade, O.: 1990, *Astron. Astrophys.* **236**, 291, "An optical study of the z=0.437 21-cm absorber in front of 3C 196"

[BOL94.1] Bolatto, A.D., Falco, E.E.: 1994, *Astrophys. J.* **436**, 112, "The detectability of planetary companions of compact galactic objects from their effects on microlensed light curves of distant stars"

[BOL03.1] Bolton, A.S., Burles, S.: 2003, *Astrophys. J.* **592**, 17-23, "Prospects for the Determination of H_0 through Observation of Multiply Imaged Supernovae in Galaxy Cluster Fields"

[BON02.1] Bond, I.A., Abe, F., Dodd, R.J., Hearnshaw, J.B., Honda, M., et al.: 2002, *Monthly Notices Roy. Astron. Soc.* **327**, 868-880, "Real-time difference imaging analysis of MOA Galactic bulge observations during 2000"

[BON02.2] Bond, I.A., Abe, F., Dodd, R.J., Hearnshaw, J.B., Kilmartin, P.M. et al.: 2002, *Monthly Notices Roy. Astron. Soc.* **331**, L19-L23, "Improving the prospects for detecting extrasolar planets in gravitational microlensing events in 2002"

[BON02.3] Bond, I. A., Rattenbury, N. J., Skuljan, J., Abe, F., Dodd, R. J., Hearnshaw, J. B., Honda et al.: 2002, *Monthly Notices Roy. Astron. Soc.* **333 (1)**, 71-83, "Study by MOA of extrasolar planets in gravitational microlensing events of high magnification"

[BON93.1] Bonnet, H., Fort, B., Kneib, J.-P., Mellier, Y., Soucail, G.,: 1993, *Astron. Astrophys.* **280**, L7, "Detection of weak lensing by a massive dark halo in Q2345+007"

[BON95.1] Bonnet, H., Mellier, Y.: 1995, *Astron. Astrophys.* **303**, 331, "Statistical analysis of weak gravitational shear in the extended periphery of rich galaxy cluster"

[BON94.1] Bonnet, H., Mellier, Y., Fort, B.: 1994, *Astrophys. J.* **427**, L83, "First detection of a gravitational weak shear at the periphery of CL0024+1654"

[BON79.1] Bontz, R.J.: 1979, *Astrophys. J.* **233**, 402, "The gravitational lens effect and pregalactic halo objects"

[BON81.1] Bontz, R.J., Haugan, M.P.: 1981, *Astrophys. Space Science* **78**, 199, "A diffraction limit on the gravitational lens effect"

[BOO79.1] Booth, R.S., Browne, I.W.A., Walsh, D., Wilkinson, P.N.: 1979, *Nature* **282**, 385, "VLBI observations of the double QSO 0957+561 A, B"

[BOR01.1] Borgani, S., Guzzo, L.: 2001, *Nature* **409**, 39, "X-ray clusters of galaxies as tracers of structure in the Universe"

[BOR83.1] Borgeest, U.: 1983, *Astron. Astrophys.* **128**, 162, "The differences in light travel time between gravitational lens images. II - Theoretical foundations"

[BOR86.1] Borgeest, U.: 1986, *Astrophys. J.* **309**, 467, "Determination of galaxy masses by the gravitational lens effect"

[BOR91.1] Borgeest, U., Dietrich, M., Hopp, U., Kollatschny, W., Schramm, K.J.: 1991, *Astron. Astrophys.* **243**, 93, "GC 0248+430: a possibly micro-lensed quasar behind a tidal arm of a merging galaxy system"

[BOR87.1] Borgeest, U., Kayser, R., Refsdal, S.: 1987, *Physikalische Blaetter* **43**, 219, "Gravitationslinsen"

[BOR91.3] Borgeest, U., Kayser, R., Refsdal, S., Schramm, J., Schramm, T.: 1991, *Lecture Notes in Physics* **377**, 291, "Gravitational microlensing and the Hamburg quasar monitoring program"

[BOR93.1] Borgeest, U., Mehlert, D.: 1993, *Astron. Astrophys.* **275**, L21, "A strong dependence of the narrow CIV absorption line density on the quasar emission redshift"

[BOR82.1] Borgeest, U., Refsdal, S.: 1982, *Sterne und Weltraum* **21**, 199, "Linsen im Weltraum"

[BOR84.1] Borgeest, U., Refsdal, S.: 1984, *Astron. Astrophys.* **141**, 318, "The Hubble parameter: an upper limit from QSO 0957+561 A, B"

[BOR94.1] Borgeest, U., Schramm, K.-J.: 1994, *Astron. Astrophys.* **284**, 764, "The Hamburg Quasar Monitoring Program (HQM) at Calar Alto. I. Low amplitude variability in quasars"

[BOR91.2] Borgeest, U., von Linde, J., Refsdal, S.: 1991, *Astron. Astrophys.* **251**, L35, "The double magnification bias by gravitational lensing"

[BOR95.1] Borgeest, U., Schramm, K.-J.: 1995, *Sterne und Weltraum* **1**, 1, "Bilder von Gravitationslinsen"

[BOR94.2] Borra, E.F.: 1994, *Comments on Astrophys.* **17**, 297, "Gravitational lenses: observational status"

[BOR97.1] Borra, E.F.: 1997, *Monthly Notices Roy. Astron. Soc.* **289**, 660, "Detection of gravitational lenses and measurement of time delays from radiation fluctuations"

[BOU95.1] Boughn, S.P., Uson, J.M.: 1995, *Phys. Rev.Lett.* **74**, 3304, "Constraints on the dwarf star content of dark matter"

[BOU93.1] Bouquet, A.: 1993, *Astron. Astrophys.* **280**, 1, "Lensing of invisible stars by brown dwarfs"

[BOU94.1] Bouquet, A., Kaplan, J., Melchior, A.-L., Giraud-Héraud, Y., Baillon, P.: 1994, *Proc. of the Workshop "The dark side of the universe...", 1993, Roma*, p.61, "Microlensing of unresolved stars as a brown dwarf detection method"

[BOU75.1] Bourassa, R.R., Kantowski, R.: 1975, *Astrophys. J.* **195**, 13, "The theory of transparent gravitational lenses"

[BOU76.1] Bourassa, R.R., Kantowski, R.: 1976, *Astrophys. J.* **205**, 674, "Multiple image probabilities for a spheroidal gravitational lens"

[BOU73.1] Bourassa, R.R., Kantowski, R., Norton, T.D.: 1973, *Astrophys. J.* **185**, 747, "The spheroidal gravitational lens"

[BOU96.1] Boutreux, Th., Gould, A.: 1996, *Astrophys. J.* **462**, 705, "Monte Carlo simulations of MACHO parallaxes from a satellite"

[BOW97.1] Bower, R.G., Smail, I.: 1997, *Monthly Notices Roy. Astron. Soc.* **290**, 292, "A weak lensing survey in the fields of $z \sim 1$ luminous radio sources"

[BOZ99.1] Bozza, V.: 1999, *Astron. Astrophys.* **348**, 311, "Perturbative analysis in planetary gravitational lensing"

[BOZ00.1] Bozza, V: 2000, *Astron. Astrophys.* **355**, 423, "Caustics in special multiple lenses"

[BOZ00.2] Bozza, V: 2000, *Astron. Astrophys.* **359**, 1, "Secondary caustics in close multiple lenses"

[BOZ01.2] Bozza, V.: 2001, *Astron. Astrophys.* **374**, 13-27, "Trajectories of the images in binary microlensing"

[BOZ00.3] Bozza, V.: 2000, *J. Math. Phys.* **41**, 6284, "Signs of the cusps in binary lenses"

[BOZ03.1] Bozza, V.: 2003, *Phys. Rev. D* **67**, 103006, "Quasiequatorial gravitational lensing by spinning black holes in the strong field limit"

[BOZ01.1] Bozza, V., Capozziello, S., Iovane, G., Scarpetta, G.: 2001, *Gen.Rel.Grav.* **33**, 1535-1548, "Strong field limit of black hole gravitational lensing"

[BOZ02.1] Bozza, V., Jetzer, Ph., Mancini, L., Scarpetta, G.: 2002, *Astron. Astrophys.* **382**, 6-16, "Microlensing by compact objects associated with gas clouds"

[BOZ02.2] Bozza, V., Mancini, L.: 2002, *Astron. Astrophys.* **394**, L47-L50, "Microlensing of strongly interacting binary systems"

[BOY93.1] Boyle, B.J., Couch, W.J.: 1993, *Monthly Notices Roy. Astron. Soc.* **264**, 604, "The environments of optically selected QSOs at $0.9 < z < 1.5$"

[BOY95.1] Boyle, B.J., Di Matteo, T.: 1995, *Monthly Notices Roy. Astron. Soc.* **277**, L63, "Limits on dust obscuration in QSOs"

[BOY88.1] Boyle, B.J., Shanks, T., Peterson, B.A.: 1988, *ASP Conf. Ser.* **2**, 1, "The evolution of optically selected QSOs"

[BOY88.2] Boyle, B.J., Shanks, T., Peterson, B.A.: 1988, *Monthly Notices Roy. Astron. Soc.* **235**, 935, "The evolution of optically selected QSOs. II."

[BRA02.1] Bradac, M., Schneider, P., Steinmetz, M., Lombardi, M., King, L.J., Porcas, R.: 2002, *Astron. Astrophys.* **388**, 373-382, "B1422+231: The influence of mass substructure on strong lensing"

[BRA96.1] Brainerd, T., Blandford, R., Smail, I.: 1996, *Astrophys. J.* **466**, 623, "Weak gravitational lensing by galaxies"

[BRA99.1] Brainerd, T.G., Wright, C.O., Goldberg, D.M., Villumsen, J.V.: 1999, *Astrophys. J.* **524**, 9, "A comparison of simple mass estimators for galaxy clusters"

[BRA89.1] Braun, E., Milgrom, M.: 1989, *Astrophys. J.* **337**, 644, "Light reprocessing in the echo model of luminous arcs"

[BRA84.1] Bray, I.: 1984, *Monthly Notices Roy. Astron. Soc.* **208**, 511, "Spheroidal gravitational lenses"

[BRA86.1] Bray, I.: 1986, *Phys. Rev. D* **34**, 367-372, "Kerr black hole as a gravitational lens"

[BRE93.2] Breimer, T.,G.: 1993, *Ph.D. thesis*, "Gravitational lenses as probes of dark matter"

[BRE94.1] Breimer, T.G.: 1994, *Astron. Astrophys.* **283**, 745, "Extraction of the mean radial mass distribution in clusters of galaxies by observations of weak gravitational imaging"

[BRE92.1] Breimer, T.G., Sanders, R.H.: 1992, *Monthly Notices Roy. Astron. Soc.* **257**, 97, "Constraints on cosmological parameters from clusters containing luminous arcs"

[BRE93.1] Breimer, T.G., Sanders, R.H.: 1993, *Astron. Astrophys.* **274**, 96, "Gravitational imaging by elliptical galaxies: the effects of dark halos"

[BRI98.1] Bridle, S.L., Hobson, M.P., Lasenby, A.N., Saunders, R.: 1998, *Monthly Notices Roy. Astron. Soc.* **299**, 895, "A maximum-entropy method for reconstructing the projected mass distribution of gravitational lenses"

[BRI84.1] Briggs, F.H.: 1984, *VLBI and compact radio sources, (Fanti, R. et al. eds.)*, p.49, "The variable HI absorption (z=0.524) in the spectrum of AO 0235+164"

[BRO95.2] Broadhurst, T.: 1995, *AIP Conf. Proceedings, "Dark Matter", College Park, MD, Oct.94 (eds. Holt, S.S., Bennett, C.L.)* **336**, p.320, "Mass distributions of clusters using gravitational magnification"

[BRO00.1] Broadhurst, T., Huang, X., Frye, B., Ellis, R.: 2000, *Astrophys. J.* **534**, L15, "A spectroscopic redshift for the Cl 0024+16 multiple arc system: Implications for the central mass distribution"

[BRO95.3] Broadhurst, T., Lehár, J.: 1995, *Astrophys. J.* **450**, L41, "A gravitational lens solution for IRAS galaxy FSC 10214+4724"

[BRO00.2] Broadhurst, T., Scannapieco, E.: 2000, *Astrophys. J.* **533**, L93, "Detecting the gravitational redshift of cluster gas"

[BRO95.1] Broadhurst, T.J., Taylor, A.N., Peacock, J.A.: 1995, *Astrophys. J.* **438**, 49, "Mapping cluster mass distributions via gravitational lensing of background

galaxies"
[BRO96.1] Bromley, B.C.: 1996, *Astrophys. J.* **467**, 537, "Finite-size gravitational microlenses"
[BRO93.1] Browne, I.W.A., Patnaik, A.R., Walsh, D., Wilkinson, P.N.: 1993, *Monthly Notices Roy. Astron. Soc.* **263**, L32, "The redshift of the lensing galaxy in the gravitationally lensed system B0218+357"
[BRO03.2] Brown, M.L., Taylor, A.N., Bacon, D.J., Gray, M.E., Dye, S., Meisenheimer, K., Wolf, C.: 2003, *Monthly Notices Roy. Astron. Soc.* **341**, 100-118, "The shear power spectrum from the COMBO-17 survey"
[BRO03.1] Browne, I.W.A., Wilkinson, P.N., Jackson, N.J.F., Myers, S.T., Fassnacht, C.D. et al.: 2003, *Monthly Nitices Roy. Astron. Soc.* **341 (1)**, 13-32, "The Cosmic Lens All-Sky Survey:II. Gravitational lens candidate selection and follow-up"
[BRO01.1] Brotherton, M.S., Tran, H. D., Becker, R.H., Gregg, M.D., Laurent-Muehleisen, S.A., White, R.L.: 2001, *Astrophys. J.* **546**, 775-781, "Composite spectra from the FIRST bright quasar survey"
[BRY02.1] Bryce, H.M., Hendry, M.A., Valls-Gabaud, D.: 2002, *Astron. Astrophys.* **388**, L1-L4, "Gravitational microlensing as a test of stellar model atmospheres"
[BRY03.1] Bryce, H.M., Ignace, R., Hendry, M.A.: 2003, *Astron. Astrophys.* **401**, 339-346, "Microlensing of circumstellar envelopes II. Emission lines from radial and azimuthal flow during fold caustic crossings"
[BUC96.1] Buchalter, A., Kamionkowski, M., Rich, R.M.: 1996, *Astron. J.* **469**, 676, "Rates for color shifted microlensing events"
[BUC97.1] Buchalter, A., Kamionkowski, M.: 1997, *Astrophys. J.* **482**, 782, "Rates for Parallax-Shifted Microlensing Events from Ground-Based Observations of the Galactic Bulge"
[BUI89.1] Buitrago, J., Atrio, F.: 1989, *European Journal of Physics* **10**, No 3, 178, "Exact calculation of Doppler shift produced by cosmic strings"
[BUN00.1] Bunker, A.J., Moustakas, L.A., Davis, M.: 2000, *Astrophys. J.* **531**, 95, "Resolving the stellar populations in a z=4 lensed galaxy"
[BUR71.1] Burbidge, E.M., Burbidge, G.R., Solomon, P.M., Strittmatter, P.A.: 1971, *Astrophys. J.* **170**, 233, "Apparent associations between bright galaxies and quasi-stellar objects"
[BUR85.1] Burbidge, G.R.: 1985, *Astron. J.* **90**, 1399, "A comment on the discovery of the QSO and related galaxy 2237+030"
[BUR85.3] Burbidge, G.R.: 1985, *Sky and Telescope* **70**, 110, "QSO 2237+0305 - lens or local"
[BUR88.1] Burbidge, G.R.: 1988, *Nature* **336**, 720, "Stephan's quintet"
[BUR96.1] Burbidge, E.M., Beaver, E.A., Cohen, R.D., Junkkarinen,, V.T., Lyons, R.W.: 1996, *Astron. J.* **112**, 2533, "AO 0235+164 and surrounding field: surprising HST results"
[BUR85.2] Burbidge, G.R., Narlikar, J.V., Hewitt, A.: 1985, *Nature* **317**, 413, "The statistical significance of close pairs of QSOs"
[BUR90.1] Burbidge, G.R., Hewitt, A., Narlikar, J.V., Das Gupta, P.: 1990, *Astrophys. J. Suppl.* **74**, 675, "Associations between quasi-stellar objects and galaxies"

[BUR97.1] Burbidge, G., Hoyle, F., Schneider, P.: 1997, *Astron. Astrophys.* **320**, 8, "Very close pairs of quasi-stellar objects"

[BUR84.1] Burke, B.F.: 1984, *Comments on Astrophys.* **10**, 75, "Gravitational lenses: observational status"

[BUR86.1] Burke, B.F.: 1986, *IAU Symposium* **119**, 517, "Gravitational lenses: observations"

[BUR88.2] Burke, B.F.: 1988, *IAU Symposium* **130**, 447, "Gravitational lenses"

[BUR88.3] Burke, B.F., Dupree, A.K., Gondhalekhar, P.M., Lehár, J., Roberts, D.H., Wilson, R.: 1988, *A decade of UV astronomy with the IUE satellite: a celebratory symposium, ESA-SP-281* **2**, 253, "Gravitational lensing"

[BUR81.1] Burke, W.L.: 1981, *Astrophys. J.* **244**, L1, "Multiple gravitational imaging by distributed masses"

[BUR93.1] Burke, B.F., Conner, S.R., Hewitt, J.N., Lehár, J.: 1993, *Proc. Sub-Arcsecond Radio Astronomy, 1992, Manchester*, p.123, "Einstein rings and Einstein quads"

[BUR95.1] Burrows, A., Liebert, J.: 1995, *Nature* **373**, 191, " Probing dark matter"

[BUR98.1] Burud, I., Courbin, F., Lidman, C., Jaunsen, A., Hjörth, J. et al.: 1998, *Astrophys. J.* **501**, L5, "High-resolution optical and near-infrared imaging of the quadruple quasar RXJ0911.4+0551"

[BUR01.2] Burud, I., Courbin, F., Magain, P., Lidman, C., Hutsemékers, D. et al.: 2001, *Astron. Astrophys.* **383**, 71-81, "An Optical Time-Delay for the Lensed BAL Quasar HE2149-2745"

[BUR00.1] Burud, I., Hjörth, J., Jaunsen, A.O., Andersen, M.I., Korhonen, H. et al.: 2000, *Astrophys. J.* **544**, 117, "An optical time-delay estimate for the double gravitational lens system B1600+434"

[BUR02.1] Burud, I., Hjörth, J., Courbin, F., Cohen, J.G., Magain, P., Jaunsen, A.O., Kaas, A.A. et al.: 2002, *Astron. Astrophys.* **391**, 481-486, "Time delay and lens redshift for the doubly imaged BAL quasar SBS 1520+530"

[BUR01.1] Burud, I., Magain, P., Sohy, S., Hjörth, J.: 2001, *Astron. Astrophys.* **380**, 805-810, "A novel approach for extracting time-delays from lightcurves of lensed quasar images"

[BUR98.2] Burud, I., Stabell, R., Magain, P., Courbin, F., Ostensen, R., et al.: 1998, *Astron. Astrophys.* **339**, 701, "Three photometric methods tested on ground-based data of Q2237+0305"

[BUS67.1] Busby, R.F.: 1967, *Science* **15**, 1176, "Galaxies as gravitational lenses"

[CAD96.1] Cadez, A., Gomboc, A.: 1996, *Astron. Astrophys. Sup.* **119**, 293, "The flashy disappearance of a star falling behind the horizon of a black hole"

[CAL02.1] Calchi Novati, S., Iovane, G., Marino, A.A., Auriére, M., Baillon, P. et al.: 2002, *Astron. Astrophys.* **381**, 848-861, "Microlensing search towards M 31"

[CAM93.1] Campbell, R.M., Corey, B.E., Falco, E.E., Shapiro, I.I., Gorenstein, M.V. et al.: 1993, *Proc. Sub-Arcsecond Radio Astronomy, 1992, Manchester*, p.131, "Global 6cm VLBI investigation of 0957+561"

[CAM94.1] Campbell, R.M., Corey, B.E., Falco, E.E., Shapiro, I.I., Gorenstein, M.V. et al.: 1994, *Astrophys. J.* **426**, 486, "Towards estimation of H_0 from VLBI observations of the gravitational lens systems 0957+561"

[CAM95.1] Campbell, R.M., Lehár, J., Corey, B.E., Shapiro, I.I., Falco, E.E.: 1995, *Astron. J.* **110**, 2566, "VLBI observations of the gravitational lens system 0957+561"

[CAM95.2] Campana, S., Parodi, A., Stella, L.: 1995, *Monthly Notices Roy. Astron. Soc.* **277**, 1162, "Strong gravitational field light deflection in binary systems containing a collapsed star"

[CAM98.1] Campusano, L.E., Kneib, J.-P., Hardy, E.: 1998, *Astrophys. J.* **496**, L79, "Gravitational lensing in low-redshift clusters of galaxies: the arc-like object in Abell 3408 and its lensing interpretation"

[CAM01.1] Campusano, L.E. , Pelló, R. , Kneib, J.-P. , Le Borgne, J.-F. , Fort, B. et al.: 2001, *Astron. Astrophys.* **378**, 394-407, "VLT spectroscopy of galaxies lensed by Abell AC114: implication for the mass model and the study of low-luminosity galaxies at high-redshift"

[CAN81.1] Canizares, C.R.: 1981, *Nature* **291**, 620, "Gravitational focusing and the association of distant quasars with foreground galaxies"

[CAN82.1] Canizares, C.R.: 1982, *Astrophys. J.* **263**, 508, "Manifestations of a cosmological density of compact objects in quasar light"

[CAN87.1] Canizares, C.R.: 1987, *IAU Symposium, Observational Cosmology* **124**, 729, "Gravitational lenses as tools in observational cosmology"

[CAN88.1] Canizares, C.R.: 1988, *Nature* **336**, 309, "Quasar distribution: not too close for comfort"

[CAP03.1] Capozziello, S., Cardone, V. F., Sereno, V., Re., M.: 2003, *Monthly Notices Roy. Astron. Soc.* **343**, 360-366, "Gravitomagnetic corrections to the lensing deflection angle for spiral galaxy models"

[CAP01.1] Capozziello, S., Iovane , G.: 2001, *Astron. Astrophys.* **366**, 736, "Quasar luminosity and twin effects induced by filamentary and planar structures"

[CAP99.4] Capozziello, S., Iovane, G.: 1999, *Phys. Lett. A* **259**, 185-193, "Probing the nature of compact dark object at the Galactic Center by gravitational lensing"

[CAP99.3] Capozziello, S., Lambiase, G., Papini, G., Scarpetta, G.: 1999, *Phys. Let. A* **254**, 11-17, "Higher order corrections in gravitational microlensing"

[CAP01.2] Capozziello, S., Lambiase, G., Torres, D.F.: 2001, *Class. Quantum Grav.* **17**, 3171, "Cerenkov radiation and scalar stars"

[CAP01.3] Capozziello, S., Re, V.: 2001, *Phys. Lett. A* **290**, 115-119, "Higher order corrections to lensing parameters for extended gravitational lenses"

[CAR03.1] Cardone, V.F., Cantiello, M.: 2003, *Astron. Astrophys.* **405**, 125-133, "Pixel lensing observations towards globular clusters"

[CAR01.1] Cardone, V.F., Capozziello, S., Re, V., Piedipalumbo, E.: 2001, *Astron. Astrophys.* **379**, 72-81, "Gravitational lensing potential reconstruction in quadruply imaged systems"

[CAR02.1] Cardone, V.F., Capozziello, S., Re, V., Piedipalumbo, E.: 2002, *Astron. Astrophys.* **382**, 792-803, "A new method for the estimate of H_0 from quadruply imaged gravitational lens systems"

[CAR01.2] Cardone, V.F., de Ritis, R., Marino, A.A.: 2001, *Astron. Astrophys.* **374**, 494-503, "Constraints on the slope of the dark halo mass function by microlensing observables"

[CAR03.3] Carilli, C.L., Lewis, G.F., Djorgovski, S.G., Mahabal, A., Cox, P., Bertoldi, F., Omont, A.: 2003, *Science* **300**, 773-775, "A Molecular Einstein Ring: Imaging a Starburst Disk Surrounding a Quasi-Stellar Object"

[CAR98.1] Carilli, C.L., Menten, K.M., Reid, M.J., Rupen, M., Claussen, M.: 1998, *Radio Emission from Galactic and Extragalactic Compact Sources, ASP Conference Series, IAU. Coll. 164, eds. J.A. Zensus, G.B. Taylor, J.M. Wrobel* **144**, 317, "Imaging the absorbing cloud at z = 0.88582 toward 1830-211"

[CAR94.2] Carilli, C.L., Owen, F.N.: 1994, *Astron. J.* **107**, 480, "Radio continuum polarimetric imaging of high redshift radio galaxies"

[CAR92.2] Carilli, C.L., Perlman, C.S., Stocke, J.T.: 1992, *Astrophys. J.* **400**, L13, "Discovery of neutral hydrogen 21 centimeter absorption at redshift 0.25 towards PKS 1413+135"

[CAR93.1] Carilli, C.L., Rupen, M.P., Yanny, B.: 1993, *Astrophys. J.* **412**, L59, "Neutral-Hydrogen 21 cm absorption at redshift 0.6847 towards the 'smallest Einstein' ring"

[CAR92.1] Carini, P., Feng, L., Li, M., Ruffini, R.: 1992, *Phys. Rev. D* **46**, 5407-5413, "Phase evolution of the photon in Kerr spacetime"

[CAR94.1] Carlberg, R.G., Yee, H.,K.,C., Ellingson, E.: 1994, *Astrophys. J.* **437**, 63, "Lensing from the light-traces-mass map of MS1224+20"

[CAS96.1] Casoli, F., Encrenaz, P., Fort, B., Boissé, P., Mellier, Y.: 1996, *Astron. Astrophys.* **306**, L41, "CO lines from giant arcs in clusters"

[CAS01.1] Castro, S., Pogge, R.W., Rich, R.M., DePoy, D.L., Gould, A.: 2001, *Astrophys. J.* **548**, L197, "Spatial/spectral resolution of a galactic bulge K3 giant stellar atmosphere via gravitational microlensing"

[CAT01.1] Catelan, P., Kamionkowski, M., Blandford, R.D.: 2001, *Monthly Notices Roy. Astron. Soc.* **320**, L7, "Intrinsic and extrinsic galaxy alignment"

[CAW93.1] Cawthorne, T.V., Wardle, J.F.C., Roberts, D.H., Gabuzda, D.C.: 1993, *Astrophys. J.* **416**, 519, "Milliarcsecond polarization structure of 24 objects from the Pearson-Readhead sample of bright extragalactic radiosources. II. Discussion"

[CAY93.1] Cayón, L., Martinez-González, E., Sanz, J.L.: 1993, *Astrophys. J.* **403**, 471, "Gravitational lensing and the cosmic microwave background"

[CAY94.1] Cayón, L., Martinez-González, E., Sanz, J.L.: 1994, *Astron. Astrophys.* **284**, 719, "The effect of gravitational lensing on the texture of the cosmic microwave background"

[CEN93.1] Cen, R., Gnedin, N.Y., Ostriker, J.P.: 1993, *Astrophys. J.* **417**, 387, "A hydrodynamic treatment of the cold dark matter cosmological scenario with a cosmological constant"

[CEN94.1] Cen, R., Gott III, J.R., Ostriker, J.P., Turner, E.L.: 1994, *Astrophys. J.* **423**, 1, "Strong gravitational lensing statistics as a test of cosmogonic scenarios"

[CHA99.3] Chae, K.-Y.: 1999, *Astrophys. J.* **524**, 582, "New modeling of the lensing galaxy and cluster of Q0957+561: Implications for the global value of the Hubble constant"

[CHA02.4] Chae, K.-H.: 2002, *Astrophys. J.* **568**, 500-508, "Fast and Accurate Fourier Series Solutions to Gravitational Lensing by a General Family of Two-Power-

Law Mass Distributions"

[CHA02.1] Chae, K.-H., Biggs, A.D., Blandford, R.D., Browne, I.W.A., de Bruyn, A.G. et al.: 2002, *Phys. Rev. Lett.* **89**, 151301, "Constraints on Cosmological Parameters from the Analysis of the Cosmic Lens All Sky Survey Radio-Selected Gravitational Lens Statistics"

[CHA01.3] Chae, K.-H., Mao, S., Augusto, P.: 2001, *Monthly Notices Roy. Astron. Soc.* **326**, 1015-1026, "Modelling the first probable two plane lens system B2114+022: reproducing two compact radio cores A, D"

[CHA99.1] Chae, K.-H., Turnshek, D.A.: 1999, *Astrophys. J.* **514**, 587, "Hubble Space Telescope observations of the gravitationally lensed Cloverleaf broad absorption line QSO H1413+1143: modeling the lens"

[CHA01.6] Chae, K.-H., Turnshek, D.A., Schulte-Ladbeck, R.E., Rao, S.M.: 2001, *Astrophys. J.* **561**, 653, "Hubble Space Telescope Observations of the Gravitationally Lensed Cloverleaf Broad Absorption Line QSO H1413+1143: Imaging Polarimetry and Evidence for Microlensing of a Scattering Region"

[CHA01.7] Chanamé, J., Gould, A., Miralda-Escudé, J.: 2001, *Astrophys. J.* **563**, 793-799, "Microlensing by Stellar Black Holes around Sagittarius A"

[CHA01.5] Chang, H.-Y., Han, C.: 2001, *Monthly Notices Roy. Astron. Soc.* **327**, 397-402, "Another channel to detect close-in binary companions via gravitational microlensing"

[CHA02.1] Chang, T.-C., Refregier, A.: 2002, *Astrophys. J.* **570**, 447-456, "Shape Reconstruction and Weak Lensing Measurement with Interferometers: A Shapelet Approach"

[CHA02.2] Chapman, S.C., Scott, D., Borys, C., Fahlman, G.G.: 2002, *Monthly Notices Roy. Astron. Soc.* **330**, 92-104, "Submillimetre sources in rich cluster fields: source counts, redshift estimates and cooling flow limits"

[CHA02.7] Chapman, S.C., Smail, I., Ivison, R.I., Blain, A.W.: 2002, *Monthly Notices Roy. Astron. Soc.* **335 (1)**, L17-L21, "The effect of lensing on the identification of SCUBA"

[CHA00.1] Chartas, G.: 2000, *Astrophys. J.* **531**, 81, "X-Ray observations of gravitationally lensed quasars: Evidence for a hidden quasar population"

[CHA02.5] Chartas, G., Agol, E., Eracleous, M., Garmire, G., Bautz, M.W., Morgan, N.D.: 2002, *Astrophys. J.* **568**, 509-521, "Caught in the Act: Chandra Observations of Microlensing of the Radio-loud Quasar MG J0414+0534"

[CHA01.1] Chartas, G., Bautz, M., Garmire, G., Jones, C., Schneider, D.P.: 2001, *Astrophys. J.* **550**, L163, "Chandra observations of the gravitationally lensed system 2016+112"

[CHA02.6] Chartas, G., Brandt, W.N., Gallagher, S.C., Garmire, G.P.: 2002, *Astrophys. J.* **579**, 169-175, "CHANDRA detects relativistic broad absorption lines from APM 08279+5255"

[CHA03.1] Chartas, G., Brandt, W.N., Gallagher, S.C., Garmire, G.P.: 2003, *Astronomische Nachrichten* **324(1-2)**, 2003, "An X-ray survey of gravitationally lensed BALQSOs"

[CHA98.3] Chartas, G., Chuss, D., Forman, W., Jones, C., Shapiro, I.: 1998, *Astrophys. J.* **504**, 661, "X-ray detection of the primary lens galaxy cluster of the

gravitational lens system Q0957+561"
[CHA01.2] Chartas, G., Dai, X., Gallagher, S. C., Garmire, G. P., Bautz, M. W., Schechter, P.L., Morgan, N.D.: 2001, *Astrophys. J.* **558**, 119, "Chandra detects a rapid flare in the gravitationally lensed Mini - Broad Absorption Line QSO RX J0911.4+0551"
[CHA02.3] Chartas, G., Gupta, V., Garmire, G., Jones, C., Falco, E.E., Shapiro, I.I., Tavecchio, F.: 2002, *Astrophys. J.* **565**, 96-104, "Constraining H_0 from Chandra observations of Q0957+561"
[CHA96.1] Chabrier, G., Segretain, L., Méra, D.: 1996, *Astrophys. J.* **468**, L21, "Contribution of brown dwarfs and white dwarfs to recent microlensing observations and to the halo mass budget"
[CHA98.2] Chae, K.-H., Khersonsky, V.K., Turnshek, D.A.: 1998, *Astrophys. J.* **506**, 80, "Gravitational lensing by power-law mass distributions: A fast and exact series approach"
[CHA98.1] Chae, K.-H., Turnshek, D.A., Khersonsky, V.K.: 1998, *Astrophys. J.* **495**, 609, "A realistic grid of models for the gravitationally-lensed Einstein Cross (Q2237+0305) and its relation to observational constrains"
[CHA80.1] Chaffee, F.H.: 1980, *Sci. American* **243**, 60, "The discovery of a gravitational lens"
[CHA84.1] Chang, K.: 1984, *Astron. Astrophys.* **130**, 157, "Maximum flux amplification by star disturbances in gravitational lens galaxies"
[CHA84.3] Chang, K.: 1984, *J. Kor. Astron. Soc.* **17**, 15, "Two-body gravitational lens effects (flux variations and their dependences)"
[CHA86.1] Chang, K.: 1986, *J. Kor. Astron. Soc.* **19**, 11, "Astigmatic property of n-body gravitational lens"
[CHA88.1] Chang, K.: 1988, *J. Korean Astron. Soc.* **21**, 97, "The image configuration of microlensing with an extended source"
[CHA91.1] Chang, K.: 1991, *J. Korean Astron. Soc.* **24**, 1, "Optical properties and topological configuration of caustics of micro gravitational lenses"
[CHA91.3] Chang, K.: 1991, *Proc. Astron. Soc. of Australia* **9**, p.215, "Gravitational microlensing effects and astrophysical applications"
[CHA92.1] Chang, K.: 1992, *J. Kor. Astron. Soc.* **25**, 79, "Astrophysical applications on the gravitational microlensing effects"
[CHA99.2] Chang, K., Han, C.: 1999, *Astrophys. J.* **525**, 434, "Improved detection rates for close binaries via astrometric observations of Gravitational microlensing events"
[CHA76.1] Chang, K., Refsdal, S.: 1976, *Colloques Int. du C.N.R.S.* **263**, 369, "Time delay effects for measuring cosmological distances"
[CHA79.1] Chang, K., Refsdal, S.: 1979, *Nature* **282**, 561, "Flux variations of QSO 0957+561 A, B and image splitting by stars near the light path"
[CHA84.2] Chang, K., Refsdal, S.: 1984, *Astron. Astrophys.* **132**, 168, "Star disturbances in gravitational lens galaxies"
[CHA99.5] Chapman, S.C., Scott, D., Lewis, G.F., Borys, C., Fahlman, G.G.: 1999, *Astron. Astrophys.* **352**, 406, "B1933+503, a dusty radio quasar at z>2: Implications for blank field sub-mm surveys?"

[CHA91.2] Charles, P., Naylor, T., Hewett, P.: 1991, *Gemini* **34**, 24, "Sub-arcsecond imaging at the WHT auxiliary port"

[CHA96.2] Charlton, J., Linder, S., Churchill, C.: 1996, *Astrophys. J.* **452**, L81, "Probing Ly α absorbers with double lines of sight"

[CHA95.1] Chartas, G., Falco, E. Forman, W., Jones, C., Schild, R., Shapiro, I.: 1995, *Astrophys. J.* **445**, 140, "ROSAT observations of the gravitationally lensed system 0957+561"

[CHA97.1] Chavushyan, V.H., Vlasyuk, V.V., Stepanian, J.A., Erastova, L.K.: 1997, *Astron. Astrophys.* **318**, L67, "SBS 1520+530: a new gravitationally lensed system at z=1.855"

[CHE03.1] Chen, D.-M.: 2003, *Astron. Astrophys.* **397**, 415-420, "Strong gravitational lensing: Why no central black holes?"

[CHE03.4] Chen, D.-M.: 2003, *Astrophys. J.* **587**, L55-L58, "Strong Gravitational Lensing and Galactic Bulges"

[CHE93.1] Chen, G.H., Hewitt, J.N.: 1993, *Proc. Sub-Arcsecond Radio Astronomy, 1992, Manchester*, p.140, "Multifrequency radio images of MG 1131 +0456"

[CHE93.2] Chen, G.H., Hewitt, J.N.: 1993, *Astron. J.* **106**, 1719, "Multifrequency radio images of the Einstein ring gravitational lens MG1131+0456"

[CHE95.1] Chen, G.H., Kochanek, C.S., Hewitt, J.N.: 1995, *Astrophys. J.* **447**, 62, "The mass distribution of the lens galaxy in MG1131+0456"

[CHE01.1] Cheng Yu-Chung N. , Krauss, L.M.: 2001, *New Astronomy* **6**, 249, "An elliptical galaxy luminosity function and velocity dispersion sample of relevance for gravitational lensing statistics"

[CHE00.1] Cheng Yu-Chung N. , Krauss, L.M.: 2000, *Int. J. Mod. Phys. A* **15, No.5**, 697-723, "Gravitational lensing statistics and constraints on the cosmological constant revisited"

[CHE99.2] Cheng Yu-Chung N. , Krauss, L.M.: 1999, *Astrophys. J.* **514**, 2532, "Gravitational lensing and dark structures"

[CHE03.3] Chen, J., Kravtsov, A.V., Keeton, C.R.: 2003, *Astrophys. J.* **592**, 24-31, "Lensing Optical Depth for Substructure and Isolated Dark Matter Halos"

[CHI02.1] Chiba, M.: 2002, *Astrophys. J.* **565**, 17-23, "Probing Dark Matter Substructure in Lens Galaxies"

[CHI98.1] Chiba, T., Sugiyama, N., Nakamura, T.: 1998, *Monthly Notices Roy. Astron. Soc.* **301**, 72, "Observational tests of x-matter models"

[CHI02.2] Chiba, T., Takahashi, R.: 2002, *Progress of Theoretical Physics* **107 (3)**, 625-630, "Lens model degeneracy and cosmological tests by strong gravitational lensing"

[CHI97.1] Chiba, M., Yoshii, Y.: 1997, *Astrophys. J.* **489**, 485, "Do lensing statistics rule out a cosmological constant?"

[CHI99.1] Chiba, M., Yoshii, Y.: 1999, *Astrophys. J.* **510**, 42, "New limits on a cosmological constant from statistics of gravitational lensing"

[CHI84.1] Chitre, S.M., Narasimha, D., Narlikar, J.V., Subramanian, K.: 1984, *Astron. Astrophys.* **139**, 289, "3C 273: a gravitationally lensed quasar?"

[CHI79.1] Chitre, S.M., Narlikar, J.V.: 1979, *Monthly Notices Roy. Astron. Soc.* **187**, 655, "On the apparent superluminal separation of radio-source components"

[CHI80.1] Chitre, S.M., Narlikar, J.V.: 1980, *Astrophys. J.* **235**, 335, "Gravitational screens and superluminal separation in quasars"

[CHI86.1] Chitre, S.M., Narlikar, J.V., Padmanabhan, T.: 1986, *Phys. Let. A.* **117**, 285, "Temperature fluctuations of cosmic microwave background induced by gravitational lensing"

[CHI89.1] Chitre, S.M., Saslaw, W.C.: 1989, *Nature* **341**, 38, "Diagnostic properties of moving gravitational lenses"

[CIU00.1] Ciufolini, I.: 2000, *Class. Quantum Grav.* **17**, 2369-2380, "The 1995-99 measurements of the Lense-Thirring effect using laser-ranged satellites"

[CIU98.1] Ciufolini, I., Pavlis, P., Chieppa, C., Fernandes-Vieira, E., Pérez-Mercader, J.: 1998, *Science* **279**, 2100-2103, "Test of General Relativity and Measurement of the Lense-Thirring Effect with Two Earth Satellites"

[CIU02.1] Ciufolini, I., Ricci, F.: 2002, *Class. Quantum Grav.* **19**, 3863-3874, "Time delay due to spin and gravitational lensing"

[CIU02.2] Ciufolini, I., Ricci, F.: 2002, *Class. Quantum Grav.* **19** 3875-3881, "Time delay due to spin inside a rotating shell"

[CHR87.1] Christian, C.A., Crabtree, D., Waddell, P.: 1987, *Astrophys. J.* **312**, 45, "Detection of the lensing galaxy in PG 1115+080"

[CHU84.1] Chu, Y., Zhu, X., Burbidge, G., Hewitt, A.: 1984, *Astron. Astrophys.* **138**, 408, "Statistical evidence for possible association between QSOs and bright galaxies"

[CHU99.1] Chung, Y.-Ch.N., Krauss, L.M.: 1999, *Astrophys. J.* **514**, 25, "Gravitational lensing and dark structures"

[CHW24.1] Chwolson, O.: 1924, *Astr. Nachrichten* **221**, 329, "Uber eine mögliche Form fiktiver Doppelsterne"

[CLA72.1] Clark, E.E.: 1972, *Monthly Notices Roy. Astron. Soc.* **158**, 233, "The uniform transparent gravitational lens"

[CLA81.1] Clark, T.A.: 1981, *J. Roy. Astron. Soc. Can.* **75**, 109, "An optical analogue of the gravitational lens: a classroom demonstration of the twin-quasar phenomenon"

[CLA01.1] Claeskens, J.-F., Khmil, S.V., Lee, D.W., Sluse, D., Surdej, J.: 2001, *Astron. Astrophys.* **367**, 748, "HST and ground-based observations of the gravitational lens system Q1009-0252 A and B"

[CLA00.1] Claeskens, J.-F., Lee, D.W., Remy, M., Sluse, D., Surdej, J.: 2000, *Astron. Astrophys.* **356**, 840, "QSO mass constraints from gravitational lensing studies of quasar pairs The cases of Q1548+114 A and B and Q1148+0055 A and B"

[CLA98.1] Claeskens, J.-F., Surdej, J.: 1998, *Astron. Astrophys.* **335**, 69, "Close projected QSO-galaxy associations: are they real?"

[CLA02.1] Claeskens, J.-F., Surdej, J.: 2002, *Astron. Astrophys. Rev.* **10**, 263-311, "Gravitational lensing in quasar samples"

[CLA96.1] Claeskens, J.-F, Surdej, J., Remy, M.: 1996, *Astron. Astrophys.* **305**, L9, "J03.13A and B: a new multiply imaged QSO candidate"

[CLE98.1] Clegg, A.W., Fey, A.L., Lazio, J.W.: 1998, *Astrophys. J.* **496**, 253, "The gaussian plasma lens in astrophysics. Refraction"

[CLO95.1] Close, L.M., Hall, P.B., Liu, C.T., Hege, E.K.: 1995, *Astrophys. J.* **452**, L9, "Spectroscopic and morphological evidence that IRAS FSC 10214+4724 is a gravitational lens"

[CLO98.1] Clowe, D., Kaiser, N., Luppino, G., Henry, J.P., Gioia, I.M.: 1998, *Astrophys. J.* **497**, L61, "Weak lensing by two z 0.8 clusters of galaxies"

[CLO00.2] Clowe, D., Luppino , A., Kaiser, N. , Gioia, I.M: 2000, *Astrophys. J.* **539**, 540, "Weak lensing by high-redshift clusters of galaxies. I. Cluster mass reconstruction"

[CLO01.2] Clowe, D., Schneider, P.: 2001, *Astron. Astrophys.* **379**, 384-392, "Wide field weak lensing observations of A1689"

[CLO02.1] Clowe, D., Schneider, P.: 2002, *Astron. Astrophys.* **395**, 385-397, "Wide field weak lensing observations of A1835 and A2204"

[CLO01.1] Clowe, D., Trentham, N., Tonry, J.: 2001, *Astron. Astrophys.* **369**, 16, "Weak lensing observations of the "dark" cluster MG2016+112"

[COH00.1] Cohen, A.S., Hewitt, J.N., Moore, C.B., Haarsma, D.B.: 2000, *Astrophys. J.* **545**, 578, "Further investigation of the time delay, magnification ratios, and variability in the gravitational lens 0218+357"

[COH03.1] Cohen, J.G., Lawrence, C.R., Blandford, R.D.: 2003, *Astrophys. J.* **583**, 67-69, "The Redshift of the Lensed Object in the Einstein Ring B0218+357"

[COH01.1] Cohn, J.D., Kochanek, C.S., McLeod, B.A.: 2001, *Astrophys. J.* **554**, 1216, "Constraints on galaxy density profiles from strong gravitational lensing: The case of B1933+503"

[COL98.1] Coleman, I.J., Gray, N., Simmons, J.F.L.: 1998, *Astron. Astrophys. Sup.* **131**, 187, "Inversion of polarimetric data from eclipsing binaries"

[COL89.1] Cole, S., Efstathiou, G.: 1989, *Monthly Notices Roy. Astron. Soc.* **239**, 195, "Gravitational lensing of fluctuations in the microwave background radiation"

[COL03.1] Colley, W.N., Shapiro, I.I., Pegg, J., Turner, E.L., Kundi, T.: 2003, *Astrophys. J.* **588**, 711-715, "Rapid Brightness Fluctuations in Q0957+561A,B: Microlensing or Seeing?"

[COL03.3] Colley, W.N., Schild, R.E.: 2003, *Astrophys. J.* **594**, 97-100, "A Rapid Microlensing Event in the Q0957+561 A,B Gravitational Lens System"

[COL01.3] Collier, S.: 2001, *Monthly Notices Roy. Astron. Soc.* **325**, 1527, "Evidence for accretion disc reprocessing in QSO 0957+561"

[COL93.1] Colless, M., Ellis, R.S., Broadhurst, T.J., Taylor, K., Peterson, B.A.: 1993, *Monthly Notices Roy. Astron. Soc.* **261**, 19, "Faint blue galaxies: high or low redshift?"

[COL94.1] Colley, W.N.: 1994, *Astron. J.* **109**, 440, "Observational prospects for extragalactic microlensing events"

[COL95.1] Colley, W.N., Gott III, J.R.: 1995, *Astrophys. J.* **452**, 82, "Naked-eye observable microlensing events"

[COL02.1] Colley, W.N., Schild, R.E., Abajas, C., Alcalde, D., Aslan, Z. et al.: 2002, *Astrophys. J.* **565**, 105-107, "Around the clock observations of the Q0957+561 A,B gravitationally lensed quasar"

[COL03.2] Colley, W.N., Schild, R.E., Abajas, C., Alcalde, D., Aslan, Z., Bikmaev, I., Chavushyan, V.: 2003, *Astrophys. J.* **587**, 71-79, "Around-the-Clock Observations of the Q0957+561A,B Gravitationally Lensed Quasar. II. Results for the Second Observing Season"

[COL99.1] Colley, W.N., Schild, R.E.: 1999, *Astrophys. J.* **518**, 153, "Precision photometry for Q0957+561 images A and B"

[COL00.1] Colley, W.N., Schild, R.E.: 2000, *Astrophys. J.* **540**, 104, "Hourly variability in Q0957+561"

[COL96.1] Colley, W.N., Tyson, J.A., Turner, E.L.: 1996, *Astrophys. J.* **461**, L83, "Unlensing multiple arcs in 0024+1654: reconstruction of the source image"

[COM97.1] Combes, F., Wiklind, T.: 1997, *Astrophys. J.* **486**, L79, "Detection of water at z = 0.685 towards B0218+357"

[COM98.1] Combi, J.A., Romero, G.E.: 1998, *Astron. Astrophys. Sup.* **128**, 423, "Observations of the radio emission field around the -ray source 2EG J1834-2138"

[COM02.1] Comerford, J.M., Haiman, Z., Schaye, J.: 2002, *Astrophys. J.* **580**, 63-72, "Constraining the redshift z 6 quasar luminosity function using gravitational lensing"

[CON93.2] Conner, S.R., Fletcher, A., Herold, L., Burke, B.F.: 1993, *Proc. Sub-Arcsecond Radio Astronomy, Manchester*, p.154, "Undetected Lens Systems in the MIT-Green Bank-VLA 5GHz lens search sample"

[CON92.1] Conner, S.R., Lehár, J., Burke, B.F.: 1992, *Astrophys. J.* **387**, L61, "Reconciling of image brightness ratios in the gravitational lens system 0957+561"

[CON98.1] Conner, S.R., Cooray, A.R., Fletcher, A.B., Burke, B.F., Lehár, J. et al.: 1998, *Astron. J.* **115**, 37, "Ring-like structure in the radio lobe of MG 0248+0641"

[COO75.1] Cooke, J.H., Kantowski, R.: 1975, *Astrophys. J.* **195**, L11, "Time delays for multiply imaged quasars"

[COO98.3] Cooray, A.R.: 1998, *Astron. Astrophys.* **339**, 623, "Cosmology with galaxy clusters: II. Projection effects on Hubble constant and gas mass fraction"

[COO99.1] Cooray, A.R.: 1999, *Astron. Astrophys.* **341**, 653, "Cosmology with galaxy clusters: III. Gravitationally lensed arc statistics as a cosmological probe"

[COO99.2] Cooray, A.R.: 1999, *Astrophys. J.* **512**, L83, "Gravitational lensing limits on the average redshift of submillimeter sources"

[COO99.5] Cooray, A.R.: 1999, *Astron. Astrophys.* **342**, 353, "Cosmological parameters from statistics of strongly lensed radio sources"

[COO99.7] Cooray, R.C.: 1999, *Astrophys. J.* **524**, 504, "An upper limit on Ω_m using lensed arcs"

[COO99.8] Cooray, R.C.: 1999, *Astron. Astrophys.* **348**, 31, "Weighing neutrinos: weak lensing approach"

[COO99.9] Cooray, A.R.: 1999, *Astron. Astrophys.* **348**, 673, "The X-ray background-foreground galaxy cross-correlation: evidence for weak lensing"

[COO99.10] Cooray, A.: 1999, *Monthly Notices Roy. Astron. Soc.* **305**, 412, "Gravitationally lensed X-ray sources towards galaxy clusters"

[COO01.3] Cooray, A.: 2001, *Phys. Rev. D* **64**, 043516, "Squared temperature-temperature power spectrum as a probe of the CMB bispectrum"

[COO02.4] Cooray, A.: 2002, *Phys. Rev. D* **66**, 103509, "Lensing reconstruction of primordial cosmic microwave background polarization"

[COO02.3] Cooray, A.: 2002, *Phys. Rev. D* **65**, 063512, "Weak lensing of the cosmic microwave background: Power spectrum covariance"

[COO02.2] Cooray, A., Chen, X.: 2002, *Astrophys. J.* **573**, 43-50, "Kinetic Sunyaev-Zeldovich Effect from Halo Rotation"

[COO00.3] Cooray, A., Hu, W.: 2000, *Astrophys. J.* **534**, 533, "Imprint of reionization on the cosmic microwave background bispectrum"

[COO01.1] Cooray, A., Hu, W.: 2001, *Astrophys. J.* **548**, 7, "Weak gravitational lensing bispectrum"

[COO01.5] Cooray, A., Hu, W.: 2001, *Astrophys. J.* **554**, 56, "Power spectrum covariance of weak gravitational lensing"

[COO02.1] Cooray, A., Hu, W.: 2002, *Astrophys. J.* **574**, 19-23, "Second-Order Corrections to Weak Lensing by Large-Scale Structure"

[COO01.2] Cooray, A., Hu, W., Huterer, D., Joffre, M.: 2001, *Astrophys. J.* **557**, L7, "Measuring angular diameter distances through halo clustering"

[COO00.1] Cooray, A. Hu, W., Miralda-Escudé, J.: 2000, *Astrophys. J.* **535**, L9, "Weak lensing by large-scale structure: A dark matter halo approach"

[COO99.3] Cooray, A.R., Huterer, D.: 1999, *Astrophys. J.* **513**, L95, "Gravitational lensing constraints as a probe of quintessence"

[COO99.4] Cooray, A.R., Quashnock, J.M., Miller, M.C.: 1999, *Astrophys. J.* **511**, 562, "A lower limit on Ω_m-Ω_λ using the gravitational lensing in the Hubble Deep Field"

[COP00.1] Copi, C.J., Starkman, G.D.: 2000, *Astrophys. J.* **532**, 581, "The big occulting steerable satellite (BOSS)"

[CAR03.2] Cardone, V.F., de Ritis, R., Marino, A.A.: 2003, *New Astronomy* **8 (3)**, 255-266, "The inverse problem in microlensing: from the optical depth to the galaxy models parameters"

[COR91.1] Corrigan, R.T., Irwin, M.J., Arnaud, J., Fahlman, G.G., Fletcher, J.M. et al.: 1991, *Astron. J.* **102**, 34, "Initial lightcurve of Q 2237+0305"

[COR88.1] Corrigan, R., Jedrzejewski, R, Webster, R., Harding, M., Hewett, P.: 1988, *Gemini* **22**, 1, "Gravitational Lensing"

[COU99.1] Couchman, H.M.P., Barber, A.J., Thomas. P.A.: 1999, *Monthly Notices Roy. Astron. Soc.* **308**, 180, "Measuring the three-dimensional shear from simulation data, with applications to weak gravitational lensing"

[COU98.1] Courbin, F., Lidman, C., Magain, P.: 1998, *Astron. Astrophys.* **330**, 57, "Detection of the lensing galaxy in HE 1104-1805"

[COU98.2] Courbin, F., Lidman, C., Frye, B., Magain, P., Broadhurst, T.J. et al.: 1998, *Astrophys. J.* **499**, L119, "Image deconvolution of the radio ring PKS 1830-211"

[COU00.2] Courbin, F., Lidman, C., Meylan, G., Kneib, J.-P., Magain, P.: 2000, *Astron. Astrophys.* **360**, 853, "Exploring the gravitationally lensed system HE 1104-1805: near-IR Spectroscopy"

[COU97.1] Courbin, F., Magain, P., Keeton, C.R., Kochanek, C.S., Vanderriest et al.: 1997, *Astron. Astrophys.* **324**, L1, "The geometry of the quadruply imaged

quasar PG 1115+080; implications for H_0"
[COU95.1] Courbin, F., Magain, P., Remy, M., Smette, A., Claeskens, J.F. et al.: 1995, *Astron. Astrophys.* **303**, 1, "Photometric monitoring (1987 to 1994) of the gravitational lens candidate UM 425"
[COU02.1] Courbin, F., Meylan, G., Kneib, J.-P.: 2002, *Astrophys. J.* **575**, 95-102, "Cosmic Alignment toward the Radio Einstein Ring PKS 1830-211?"
[COU00.1] Courbin, F., Minniti, D.: 2000, *Publ. Astron. Soc. Pacific* **112**, 1617, "Conference Highlights: Dark matter and gravitational lensing"
[COU98.3] Courvoisier, T.-L.: 1998, *Astron. Astrophys. Rev.* **9**, 1, "The bright quasar 3C 273"
[COV00.1] Covone, G., de Ritis, R., Dominik, M., Marino, A.A.: 2000, *Astron. Astrophys.* **357**, 816, "Detecting planets around stars in nearby galaxies"
[COV00.1] Covone, G., de Ritis, R., M. Dominik, Marino, A.A.: 2000, *Astron. Astrophys.* **357**, 816-822, "Detecting planets around stars in nearby galaxies"
[COW02.1] Cowie, L.L., Barger, A.J., Kneib, J.-P.: 2002, *Astron. J.* **123**, 2197-2205, "Faint submillimeter counts from deep 850 micron observations of the lensing cluster A370, A851, AND A2390"
[COW87.1] Cowie, L.L., Hu, E.M.: 1987, *Astrophys. J.* **318**, L33, "The formation of families of twin galaxies by string loops"
[COW84.1] Cowling, S.A.: 1984, *Monthly Notices Roy. Astron. Soc.* **209**, 415, "Gravitational light deflection in the Solar System"
[CRA95.1] Cramer, J.G., Forward, R.L., Morris, M.S., Visser, M., Benford, G., Landis, G.A.: 1995, *Physical Rev. D* **51**, 3117, "Natural wormholes as gravitational lenses"
[CRA88.1] Crampton, D., Cowley, A.P., Hickson, P., Kindl, E., Wagner, R.M., Tyson, J.A., Gullixson, G.: 1988, *Astrophys. J.* **330**, 184, "1343.4+2640: a close quasar pair"
[CRA96.1] Crampton, D., Le Fèvre, O., Hammer, F., Lilly, S.J.: 1996, *Astron. Astrophys.* **307**, L53, "The gravitational lens CFRS14.1311 = HST 14176+5226"
[CRA92.1] Crampton, D., McClure, R.D., Fletcher, J.M.: 1992, *Astrophys. J.* **392**, 23, "HRcam survey for closely spaced gravitational lenses"
[CRA89.1] Crampton, D., McClure, R.D., Fletcher, J.M., Hutchings, J.B.: 1989, *Astron. J.* **98**, 1188, "A search for closely spaced gravitational lenses"
[CRA02.1] Crampton, D., Schade, D., Hammer, F., Matzkin, A., Lilly, S.J., Le Fèvre, O.: 2002, *Astrophys. J.* **570**, 86-91, "The Gravitational Lens CFRS03.1077"
[CRA98.1] Crampton, D., Schechter, P.L., Beuzit, J.-L.: 1998, *Astron. J.* **115**, 1383, "Detection of the galaxy lensing the doubly imaged quasar SBS 1520+530"
[CRA91.1] Crane, P., Albrecht, R., Barbieri, C., Blades, J.C., Boksenberg, A. et al.: 1991, *Astrophys. J.* **369**, L59, "First results from the faint object camera: images of the gravitational lens system G2237+0305"
[CRA91.2] Crane, P., Albrecht, R., Barbieri, C., Blades, J.C., Boksenberg, A. et al.: 1991, *1st Year of HST Observations*, p.188, "FOC images of the gravitational lens system G2237+0305"
[CRA86.1] Crawford, C.S., Fabian, A.C., Rees, M.J.: 1986, *Nature* **323**, 514, "Double clusters and gravitational lenses"

[CRI87.1] Cristiani, S.: 1987, *Astron. Astrophys.* **175**, L1, "Observation of the HII galaxy giving origin to the z=0.3930 absorption system of the QSO 1209+107"

[CRI96.1] Cristiani, S., Trentini, S., La Franca, F., Aretxaga, I., Andreani, P., Vio, R., Gemmo, A.: 1996, *Astron. Astrophys.* **306**, 395, "The optical variability of QSOs"

[CRI02.1] Crittenden, R.G., Natarajan, P., Pen, U.-L., Theuns, T.: 2002, *Astrophys. J.* **568**, 20-27, "Discriminating weak lensing from intrinsic spin correlations using the curl-gradient decomposition"

[CRO00.1] Croft, R.A.C., Metzler, C.A.: 2000, *Astrophys. J.* **545**, 561, "Weak-lensing surveys and the intrinsic correlation of galaxy ellipticities"

[CRO99.1] Croom, S.M., Shanks, T.: 1999, *Monthly Notices Roy. Astron. Soc.* **307**, L17, "Statistical lensing of faint QSOs by galaxy clusters"

[CRO99.2] Croom, S.M., Shanks, T.: 1999, *Monthly Notices Roy. Astron. Soc.* **303**, 411-422, "Radio-quiet QSO environments - I. The correlation of QSOs and bj¡23 galaxies"

[CRO97.1] Crone, M., Governato, F., Stadel, J., Quinn, T.: 1997, *Astrophys. J.* **477**, L5, "Prospects for cosmology with cluster mass profiles"

[CRO87.1] Crotts, A.P.S.: 1987, *STScI Workshop "Quasar Absorption Lines", (eds. Blades, C., Norman, C., Turnshek, D.)*, p.119, "High resolution spectroscopy of AO 0235+164 and the double quasar 0957+561: The relation of metal-line absorbers to galaxies"

[CRO92.1] Crotts, A.P.S.: 1992, *Astrophys. J.* **399**, L43, "M31: A unique laboratory for gravitational microlensing"

[CRO94.1] Crotts, A.P.S., Bechtold, J., Fang, Y., Duncan, R.C.: 1994, *Astrophys. J.* **437**, L79, "Spectroscopy of the double quasar Q1343+264A,B: The relationship between galaxies and QSO CIV absorption lines"

[CRO96.2] Crotts, A.P.S., Tomaney, A.B.: 1996, *Astrophys. J.* **473**, L87, "Results from a Survey of Gravitational Microlensing towards M31"

[CSE01.1] Cseresnjes, P., Alard, C.: 2001, *Astron. Astrophys.* **369**, 778, "The Sagittarius dwarf galaxy as a microlensing target"

[CYP01.1] Cypriano, E.S., Sodré Jr., L., Campusano, L.E., Kneib, J.-P., Giovanelli, R. et al.: 2001, *Astron. J.* **121**, 10, "Gravitational lensing by nearby clusters of galaxies"

[CUM95.1] Cumming, C.M., de Robertis, M.M.: 1995, *Publ. Astron. Soc. Pacific* **107**, 469, "Short time-scale monitoring of Q2237+0305"

[CUN75.1] Cunningham, C.T.: 1975, *Astrophys. J.* **202**, 788, "The effects of redshifts and focusing on the spectrum of an accretion disk around a Kerr black hole"

[CZE94.1] Czerny, B., Jaroszyński,M., Czerny, M.: 1994, *Astrophys. J.* **268**, 135, "Constrains on the size of the emitting region in an active galactic nucleus

[DAB00.3] Dabrowski, Y., Hall, M.J., Sawicki, I.L., Lasenby, A.N.: 2000, *Monthly Notices Roy. Astron. Soc.* **318**, 393, "Microwave background anisotropies arising from non-linear structures in open and Λ universes"

[DAB99.1] Dabrowski, Y., Hobson, M.P., Lasenby, A.N., Doran, C.: 1999, *Monthly Notices Roy. Astron. Soc.* **302**, 757, "Microwave background anisotropies and non-linear structures – II. Numerical computations"

[DAB01.1] Dabrowski, Y., Lasenby, A.N.: 2001, *Monthly Notices Roy. Astron. Soc.* **321**, 605-614, "Reflected iron line from a source above a Kerr black hole accretion disc"

[DAB00.1] Dabrowski, M.P., Schunck, F.E.: 2000, *Astrophys. J.* **535**, 316, "Boson stars as gravitational lenses"

[DAH03.2] Dahle , H., Hannestad, S., Sommer-Larsen, J.: 2003, *Astrophys. J.* **588**, L73-L76, "The Density Profile of Cluster-Scale Dark Matter Halos"

[DAH94.1] Dahle, H., Maddox, S.J., Lilje, Per B.: 1994, *Astrophys. J.* **435**, L79, "Deep imaging of the double quasar 0957+561: new constraints on H_0"

[DAH03.1] Dahle, H., Pedersen, K., Lilje Per B., Maddox, S.J., Kaiser, N.: 2003, *Astrophys. J.* **591**, 662-676, "Weak Gravitational Lensing by a Sample of X-Rayluminous Clusters of Galaxies. III. Serendipitous Weak Lensing Detections of Dark and Luminous Mass Concentrations"

[DAH02.1] Dahle, H., Ragnvald, N.K., Irgens, J., Per B. Lilje, Maddox, S.J.: 2002, *Astrophys. J. Sup.* **139**, 313-368, "Weak Gravitational Lensing by a Sample of X-Ray Luminous Clusters of Galaxies. I. The Data Set"

[DAI03.1] Dai, X., Chartas, G., Agol, E., Bautz, M.W., Garmire, G.P.: 2003, *Astrophys. J.* **589**, 100-110, "Chandra Observations of QSO 2237+0305"

[DAI94.1] Daines, S., Jones, C., Forman, W., Tyson, A.: 1994, *Soft X-ray Cosmos*, p.369, "A ROSAT PSPC observation of the lensing cluster A1689"

[DAL98.1] Dalal, N.: 1998, *Astrophys. J.* **509**, L13, "The magnification invariant of simple galaxy lens models"

[DAL01.1] Dalal, N., Griest, K.: 2001, *Astrophys. J.* **561**, 481, "Astrometric "imaging" of crowded stellar fields with only two SIM pointings"

[DAL03.1] Dalal, N., Holz, D.E., Chen, X., Frieman, J.A.: 2003, *Astrophys. J.* **585**, L11-L14, "Corrective Lenses for High-Redshift Supernovae"

[DAL02.2] Dalal, N., Kochanek, C.S.: 2002, *Astrophys. J.* **572**, 25-33, "Direct Detection of Cold Dark Matter Substructure"

[DAL03.2] Dalal, N., Lane, B.F.: 2003, *Astrophys. J.* **589**, 199-209, "Bringing closure to microlensing mass measurement"

[DAL94.1] Dalcanton, J.J., Canizares, C.R., Granados, A., Steidel, C.C., Stocke, J.T.: 1994, *Astrophys. J.* **424**, 550, "Observational limits on Ω in stars, brown dwarfs, and stellar remnants from gravitational microlensing"

[DAR91.1] Dar, A.: 1991, *Astrophys. J.* **382**, L1, "Are quasar redshifts cosmological?"

[DAR91.2] Dar, A.: 1991, *Nature* **353**, 708, "Quasar redshifts"

[DAS66.1] Dashevskii, V.M., Slysh, V.I.: 1966, *Soviet Astron.* **9**, 671, "On the propagation of light in a nonhomogeneous universe"

[DAS65.1] Dashevskii, V.M., Zeldovich, Y.B.: 1965, *Soviet Astron.* **8**, 854, "The propagation of light in a nonhomogeneous nonflat universe. II."

[DAV85.1] Davies, P.: 1985, *Sky and Telescope* **69**, 112, "Relics of creation"

[DAV03.1] Davis, A.N., Huterer, D., Krauss, L.M.: 2003, *Monthly Notices Roy. Astron. Soc.* **344**, 1029, "Strong lensing constraints on the velocity dispersion and density profile of elliptical galaxies"

[DE 96.1] de Gouveia Dal Pino, E.M., Horvath, J.E., de Freitas Pacheco, J.A.: 1996, *Astrophys. J.* **456**, L97, "The role of thermal instabilities on the theoretical

mass function of MACHOs"
[DE 96.3] de Laix, A.A., Vachaspati, T.: 1996, *Phys. Rev. D* **54**, 4780, "Gravitational lensing by cosmic string loops"
[DE 97.1] de Laix, A.A.: 1997, *Phys. Rev. D* **56**, 6193, "Observing long cosmic strings through gravitational lensing"
[DE 97.2] de Laix, A.A., Krauss, L.M., Vachaspati, T.: 1997, *Phys. Rev. Lett.* **79**, 1968, "Gravitational lensing signature of long cosmic strings"
[DE 01.3] de la Fuente Marcos, R., de la Fuente Marcos, C.: 2001, *Astron. Astrophys.* **379**, 872-877, "Microlensing planets in M 22: Free-floating or bound?"
[DE 01.2] De Lorenci, V.A., Figueiredo, N., Fliche, H.H., Novello, M.: 2001, *Astron. Astrophys.* **369**, 690, "Dyadosphere bending of light"
[DE 95.5] De Oliveira, C.M.: 1995, *Monthly Notices Roy. Astron. Soc.* **273**, 139, "The nature of discordant redshift galaxies in compact groups"
[DE 94.3] De Oliveira, C.M., Giraud, E.: 1994, *Astrophys. J.* **437**, L103, "Lensing by compact groups of galaxies"
[DE 03.1] De Paolis, F., Geralico, A., Ingrosso, G., Nucita, A.A.: 2003, *Astron. Astrophys.* **409**, 809-812, "The black hole at the galactic center as a possible retro-lens for the S2 orbiting star"
[DE 95.2] De Paolis, F., Ingrosso, G., Jetzer, P., Roncadelli, M.: 1995, *Astron. Astrophys.* **295**, 567, "A scenario for a baryonic dark halo"
[DE 95.4] De Paolis, F., Ingrosso, G., Jetzer, P., Roncadelli, M.: 1995, *Comments on Astrophys.* **18**, 87, "Is the galactic halo baryonic"
[DE 98.1] De Paolis, F., Ingrosso, G., Jetzer, Ph., Roncadelli, M.: 1998, *Astron. Astrophys.* **329**, 74, "X-ray emission from dark clusters of MACHOs"
[DE 98.2] De Paolis, F., Ingrosso, G., Jetzer, P., Roncadelli, M.: 1998, *Astrophys. J.* **500**, 59, "Halo dark clusters of brown dwarfs and molecular clouds"
[DE 95.1] De Paolis, F., Ingrosso, G., Jetzer, P., Quadir, A., Roncadelli, M.: 1995, *Astron. Astrophys.* **299**, 647, "Observing molecular hydrogen clouds and dark massive objects in galactic halos"
[DE 96.2] De Paolis, F., Ingrosso, G., Jetzer, P.: 1996, *Astrophys. J.* **470**, 493, "Microlensing rates from self-consistent galactic models"
[DE 98.4] De Paolis, F., Ingrosso, G., Jetzer, Ph., Roncadelli, M.: 1998, *Monthly Notices Roy. Astron. Soc.* **294**, 283, "Binary brown dwarfs in the galactic halo?"
[DE 01.1] De Paolis, F., Ingrosso, G., Nucita, A.A.: 2001, *Astron. Astrophys.* **366**, 1065, "Astrophysical implications of gravitational microlensing of gravitational waves"
[DE 02.1] De Paolis, F., Ingrosso, G., Nucita, A.A., Qadir, A.: 2002, *Astron. Astrophys.* **394**, 749-752, "A note on gravitational wave lensing"
[DE 88.1] De Robertis, M.M., Yee, H.K.C.: 1988, *Astrophys. J.* **332**, L49, "Spatially resolved spectroscopy of the gravitational lens system 2237+030"
[DE 95.3] De Rujula, A., Giudice, S., Mollerach S., Roulet, E.: 1995, *Monthly Notices Roy. Astron. Soc.* **275**, 545, "Whither do the microlensing agents rove?"
[DE 91.2] De Rujula, A., Jetzer, P., Masso, E.: 1991, *Monthly Notices Roy. Astron. Soc.* **250**, 348, "Dark mass moments"

[DE 92.1] De Rujula, A., Jetzer, P., Masso, E.: 1992, *Astron. Astrophys.* **254**, 99, "On the nature of the dark halo of our Galaxy"

[DE 70.1] de Silva, L.N.K.: 1970, *Nature* **228**, 1180, "Quasi-stellar objects and gravitational lenses"

[DE 74.1] de Silva, L.N.K.: 1974, *Astrophys. J.* **189**, 177, "On gravitational lens quasars"

[DEG86.1] Deguchi, S., Watson, W.D.: 1986, *Astrophys. J.* **307**, 30, "Diffraction in gravitational lensing for compact objects of low mass"

[DEG86.2] Deguchi, S., Watson, W.D.: 1986, *Phys. Rev. D.* **34**, 1708, "Wave effects in gravitational lensing of electromagnetic radiation"

[DEG87.1] Deguchi, S., Watson, W.D.: 1987, *Astrophys. J.* **315**, 440, "Electron scintillation in gravitationally lensed images of astrophysical radio sources"

[DEG87.2] Deguchi, S., Watson, W.D.: 1987, *Phys. Rev. Let.* **59**, 2814, "Statistical treatment of fluctuations in the gravitational focusing of light due to stellar masses within a gravitational lens"

[DEG88.1] Deguchi, S., Watson, W.D.: 1988, *Astrophys. J.* **335**, 67, "An analytic treatment of gravitational microlensing for sources of finite size at large optical depths"

[DEK87.1] Dekel, A., Piran, T.: 1987, *Astrophys. J.* **315**, L83, "Gravitational lenses and decay of dark matter"

[DEL94.1] Della Valle, M.: 1994, *Astron. Astrophys.* **287**, L31, "Spectroscopic observations of the Mt. Stromlo MACHO candidate"

[DEL96.1] Della Valle, M., Livio, M.: 1996, *Astrophys. J.* **457**, L77, "Are microlensing events contaminated by dwarf nova eruptions?"

[DEL96.2] Dell'Antonio, I.P., Tyson, J.A.: 1996, *Astrophys. J.* **473**, L17, "Galaxy Dark Matter: Galaxy-galaxy lensing in the Hubble Deep Field"

[DEL97.1] Deltorn, J.-M., Le Fèvre, O., Crampton, D., Dickinson, M.: 1997, *Astrophys. J.* **483**, L21, "A massive cluster of galaxies at z = 0.996"

[DEL01.1] Delplancke, F., Górski, K.M., Richichi, A.: 2001, *Astron. Astrophys.* **375**, 701-710, "Resolving gravitational microlensing events with long-baseline optical interferometry Prospects for the ESO Very Large Telescope Interferometer"

[DEM00.2] Demkov, Yu.N., Puchkov, A.M.: 2000, *Phys. Rev. D* **61**, 083001, "Gravitational focusing of cosmic neutrinos by the solar interior"

[DER99.1] EROS Collaboration: Derue, F., Afonso, C., Alard, C., Albert, J.-N., Amadon, A. et al.: 1999, *Astron. Astrophys.* **351**, 87, "Observation of microlensing towards the galactic spiral arms EROS II. 2 year survey"

[DER01.1] Derue, F., Afonso, C., Alard, C., Albert, J.-N., Andersen, J. et al.: 2001, *Astron. Astrophys.* **373**, 126, "Observation of microlensing toward the galactic spiral arms. EROS II 3 year survey"

[DEV03.1] Dev, A., Jain, D., Panchapakesan, N., Mahajan, S., Bhatia, V.B.: 2003, *Int. Journal of Modern Physics D* **12(1)**, 101-119, "Constraints on cosmic equation of state using gravitational lensing statistics with evolving galaxies"

[DEY98.1] Dey, A., Spinrad, H., Stern, D., Graham, J.R., Chaffee, F.H.: 1998, *Astrophys. J.* **498**, L93, "A Galaxy at z=5.34"

[DI 00.1] Di Stefano, R.: 2000, *Astrophys. J.* **541**, 587, "On the nature and location of the microlenses"

[DI 99.1] Di Stefano, R.: 1999, *Astrophys. J.* **512**, 558, "Microlensing and the search for extraterrestrial life"

[DI 95.1] Di Stefano, R., Esin, A.A.: 1995, *Astrophys. J.* **448**, L1, "Blending of light in gravitational microlensing events"

[DI 97.1] Di Stefano, R., Perna, R.: 1997, *Astrophys. J.* **488**, 55, "Identifying microlensing by binaries"

[DI 96.1] Di Stefano, R., Mao, S.: 1996, *Astrophys. J.* **457**, 93, "Do microlensing events repeat?"

[DI 99.2] Di Stefano, R., Scalzo, A.: 1999, *Astrophys. J.* **512**, 564, "A new channel for the detection of planetary systems through microlensing: I. Isolated events due to planet lenses"

[DI 99.3] Di Stefano, R., Scalzo, A.: 1999, *Astrophys. J.* **512**, 579, "A new channel for the detection of planetary systems through microlensing: II. Repeating Events"

[DIC93.1] Dickinson, M.: 1993, *ASP Conf. Ser., "Observationnal Cosmology", 1992, Milano* **51**, 434, "The cluster environment of distant radio galaxies and a new giant luminous arc gravitational lens"

[DIM97.1] Dimeo, T., Valls-Gabaud, D., Kerins, E.J.: 1997, *Variable stars and astrophysical returns of microlensing surveys, eds. R. Ferlet, J.P.Maillard, B. Raban, Editions Frontieres*, p.69, "The TYCHO database as a control microlensing experiment"

[DJO89.1] Djorgovski, S., Meylan, G.: 1989, *IAU Symposium* **134**, 269, "An optical imaging search for gravitational lenses"

[DJO92.1] Djorgovski, S., Meylan, G., Klemola, A., Thompson, D.J., Weir, W.N. et al.: 1992, *Monthly Notices Roy. Astron. Soc.* **257**, 240, "A search for the optical/IR counterpart of the probable Einstein Ring Source PKS 1830-211"

[DJO87.1] Djorgovski, S., Perley, R., Meylan, G., McCarthy, P.: 1987, *Astrophys. J.* **321**, L17, "Discovery of a probable binary quasar"

[DJO84.1] Djorgovski, S., Spinrad, H.: 1984, *Astrophys. J.* **282**, L1, "Discovery of a new gravitational lens"

[DJO88.1] Djorgovski, S., Spinrad, H., McCarthy, P., Dickinson, M., Van Breugel, W., Strom, R.G.: 1988, *Astron. J.* **96**, 836, "Identifications and redshifts of faint 3CR radio sources"

[DOI95.1] Doi, M., Fukugita, M., Okamura, S.: 1995, *Astrophys. J. Suppl.* **97**, 59, "Surface photometry of galaxies with an automated software"

[DOL77.1] Dolan, J.F.: 1977, *Astrophys. Space Sc.* **52**, 201, "The optical polarization of X-ray binaries"

[DOL97.1] Dolag, K., Bartelmann, M.: 1998, *Monthly Notices Roy. Astron. Soc.* **291**, 446, "QSO-galaxy correlations induced by weak lensing in arbitrary Friedmann-Lemaître cosmologies"

[DOL00.1] Dolan, D.F., Michalitsianos, A.G., Nguyen, Q.T., Hill, R.J: 2000, *Astrophys. J.* **539**, 111, "Ultraviolet spectral variability and the Ly α forest in the lensed quasar Q0957+561"

[DOL95.1] Dolan, J.F., Michalitsianos, A.G., Thompson, R.W., Boyd, P.T., Wolinski, K.G. et al.: 1995, *Astrophys. J.* **442**, 87, "The gravitational lens system Q0957+561 in the ultraviolet"

[DOL89.1] Dolan, J.F.: 1989, *Astrophys. Space Sc.* **155**, 3, "The signature of a black hole transit"

[DOL81.1] Dolgov, A.D., Zeldovich, Ya. B.: 1981, *Rev. Mod. Phys.* **53**, 1, "Cosmology and elementary particles"

[DOM95.1] Dominik, M.: 1995, *Astron. Astrophys. Suppl.* **109**, 567, "Improved routines for the inversion of the gravitational lens equation for a set of source points"

[DOM98.1] Dominik, M.: 1998, *Astron. Astrophys.* **329**, 361, "Galactic microlensing with rotating binaries"

[DOM98.2] Dominik, M.: 1998, *Astron. Astrophys.* **330**, 963, "Estimating physical quantities for an observed galactic microlensing event"

[DOM98.3] Dominik, M.: 1998, *Astron. Astrophys.* **333**, 893, "Where are the binary source galactic microlensing events?"

[DOM98.4] Dominik, M.: 1998, *Astron. Astrophys.* **333**, L79, "A robust and efficient method for calculating the magnififcation of extended sources caused by gravitational lenses"

[DOM98.6] Dominik, M.: 1998, *Publ. Astron. Soc. Pac.* **110**, 757, "Galactic microlensing beyond the standard model"

[DOM99.1] Dominik, M.: 1999, *Astron. Astrophys.* **341**, 943, "Ambiguities in fits of binary lens galactic microlensing events"

[DOM99.2] Dominik, M.: 1999, *Astron. Astrophys.* **349**, 108, "The binary gravitational lens and its extreme cases"

[DOM00.2] Dominik, M.: 2000, *Astrophys. J.* **534**, 213-226, "Astrometric Microlensing of Stars"

[DOM94.1] Dominik, M., Hirshfeld, A.C.: 1994, *Astron. Astrophys.* **289**, L31, "The binary nature of an observed dark Galactic object"

[DOM96.1] Dominik, M., Hirshfeld, A.C.: 1996, *Astron. Astrophys.* **313**, 841, "Evidence for a binary lens in the MACHO LMC No.1 microlensing event"

[DOM00.1] Dominik, M., Sahu, C.: 2000, *Astrophys. J.* **534**, "213 Astrometric microlensing of stars"

[DON92.1] Done, C., Madejski, G.M., Mushotzky, R.F., Turner, T.J., Koyama, K., Kunieda, H.: 1992, *Astrophys. J.* **400**, 138, "The X - variability of NGC 6814: power spectrum"

[DOR01.1] Dore, O., Bouchet, R.F., Mellier, Y., Teyssier, R.: 2001, *Astron. Astrophys.* **375**, 14-24, "Cluster physics from joint weak gravitational lensing and Sunyaev-Zel'dovich data"

[DOR95.1] Doroshenko, O.,V., Kopeikin, S.M.: 1995, *Monthly Notices Roy. Astron. Soc.* **274**, 1029, "Relativistic effect of gravitational deflection of light in binary pulsars"

[DOW99.1] Downes, D., Neri, R., Wiklind, T., Wilner, D.J., Shaver, P.: 1999, *Astrophys. J.* **513**, L1, "Detection of CO(4-3), CO(9-8), and dust emission in the BAL quasar APM 08279+5255 at a redshift of 3.9"

[DOW03.1] Downes, D., Solomon, P.M.: 2003, *Astrophys. J.* **582**, 37-48, "Molecular Gas and Dust at z = 2.6 in SMM J14011+0252: A Strongly Lensed Ultraluminous Galaxy, Not a Huge Massive Disk"

[DOW95.1] Downes, D., Solomon, P.M.., Radford, S.J.E.: 1995, *Astrophys. J.* **453**, L65, "New observations and a new interpretation of CO(3-2) in IRAS F10214+4724"

[DRA98.1] Draine, B.T.: 1998, *Astrophys. J.* **509**, L41, "Lensing of stars by spherical gas clouds"

[DRI91.1] Drinkwater, M.J., Webster, R.L., Thomas, P.A.: 1991, *ASP Conf. Ser.* **21**, 317, "Associations between galaxies and bright quasars"

[DRI92.1] Drinkwater, M.J., Webster, R.L., Thomas, P.A., Millar, D.: 1992, *Proc. Astron. Soc. of Australia* **10**, 8, "Associations between galaxies and bright quasars"

[DRI96.1] Driver, S.P., Couch, W.J., Phillipps, S., Windhorst, R.A.: 1996, *Astrophys. J.* **466**, L5, "The inferred redshift distribution of the faint blue galaxy excess"

[DUN91.1] Duncan, R.C.: 1991, *Astrophys. J.* **375**, L41, "Evidence for a massive, dark gravitational lensing object in Q2345+007"

[DUP81.1] DuPuy, D.L.: 1981, *J. Roy. Astron. Soc. Can.* **75**, 109, "An optical analogue of the gravitational lens: a classroom demonstration of the twin-quasar phenomenon"

[DUR94.1] Durrer, R.: 1994, *Phys. Rev. Let.* **72**, 3301, "Light deflection in perturbed Friedmann Universe"

[DUR90.1] Durrer, R., Kovner, I.: 1990, *Astrophys. J.* **356**, 49, "Antipodal microwave"

[DUR95.1] Durret, F., Pecontal, E., Petitjean, P., Bergeron, J.: 1995, *IAU Col. 149*, p.254, "High spatial resolution integral field spectroscopy of extended ionized gas around three quasars"

[DYE98.1] Dye, S., Taylor, A.: 1998, *Monthly Notices Roy. Astron. Soc.* **300**, L23, "Self-consistent gravitational lens reconstruction"

[DYE02.1] Dye, S., Taylor, A.N., Greve, T.R., Rognvaldsson, O.E., van Kampen, E., Jakobsson, P. et al.: 2002, *Astron. Astrophys.* **386**, 12-30, "Lens magnification by CL0024+1654 in the U and R band"

[DYE01.2] Dye, S., Taylor, A.N., Thommes, E.M., Meisenheimer, K., Wolf, C., Peacock, J.A.: 2001, *Monthly Notices Roy. Astron. Soc.* **321**, 685-698, "Gravitational lens magnification by Abell 1689: Distortion of the background galaxy luminosity function"

[DYE76.1] Dyer, C.C.: 1976, *Monthly Notices Roy. Astron. Soc.* **175**, 429, "The gravitational perturbation of the cosmic background radiation by density concentrations"

[DYE77.1] Dyer, C.C.: 1977, *Monthly Notices Roy. Astron. Soc.* **180**, 231, "Optical scalars and the spherical gravitational lens"

[DYE84.1] Dyer, C.C.: 1984, *Astrophys. J.* **287**, 26, "Image separation statistics for multiply imaged quasars"

[DYE86.1] Dyer, C.C.: 1986, *Canadian J. Phys.* **64**, 160, "Gravitational lenses and the inhomogeneous universe"

[DYE88.1] Dyer, C.C., Oattes, L.M.: 1988, *Astrophys. J.* **326**, 50, "On the effects of inhomogeneity on the luminosity structure of the past null cone"

[DYE72.1] Dyer, C.C., Roeder, R.C.: 1972, *Astrophys. J.* **174**, L115, "The distance-redshift relation for universes with no intergalactic medium"

[DYE73.1] Dyer, C.C., Roeder, R.C.: 1973, *Astrophys. J.* **180**, L31, "Distance-redshift relations for universe with some intergalactic medium"

[DYE74.1] Dyer, C.C., Roeder, R.C.: 1974, *Astrophys. J.* **189**, 167, "Observations in locally inhomogeneous cosmological models"

[DYE76.2] Dyer, C.C., Roeder, R.C.: 1976, *Nature* **260**, 764, "Clusters of galaxies as gravitational lenses?"

[DYE80.1] Dyer, C.C., Roeder, R.C.: 1980, *Astrophys. J.* **238**, L67, "Possible multiple imaging by spherical galaxies"

[DYE80.2] Dyer, C.C., Roeder, R.C.: 1980, *Astrophys. J.* **241**, L133, "A range of time delays for the double quasar 0957+561 A, B"

[DYE81.1] Dyer, C.C., Roeder, R.C.: 1981, *Astrophys. J.* **249**, 290, "Toward a realistic nebular gravitational lens"

[DYE81.2] Dyer, C.C., Roeder, R.C.: 1981, *Gen. Relativ. Gravitation* **13**, 591, "Galaxies as gravitational lenses: realistic models"

[DYE81.3] Dyer, C.C., Roeder, R.C.: 1981, *Gen. Relativ. Gravitation* **13**, 1157, "On the transition from Weyl to Ricci focusing"

[DYE81.4] Dyer, C.C., Roeder, R.C.: 1981, *J. Roy. Astron. Soc. Can.* **75**, 227, "Simulating the transparent gravitational lens"

[DYE82.1] Dyer, C.C., Roeder, R.C.: 1982, *Astrophys. J.* **256**, 386, "A method for estimating the masses of some quasars"

[DYE92.1] Dyer, C.C., Shaver, E.G.: 1992, *Astrophys. J.* **390**, L5, "On the rotation of polarization by a gravitational lens"

[DYS20.1] Dyson, F.W., Eddington, A.S., Davidson, C.R.: 1920, *Mem. Roy. Astron. Soc.* **62**, 291, "A determination of the deflection of light by the sun's gravitational field from observations made at the total eclipse of May 29, 1919"

[EAC75.1] Eachus, L.J., Liller, W.: 1975, *Astrophys. J.* **200**, L61, "Photometric histories of QSOs: 3C 279, the most variable and possibly most luminous QSO yet studied"

[EBB96.1] Ebbels, T.M.D., Le Borgne, J.-F., Pelló, R., Ellis, R.S., Kneib, J.-P.et al.: 1996, *Monthly Notices Roy. Astron. Soc., Aug.* **281**, L75, "Identification of a gravitationally lensed z=2.515 star-forming galaxy"

[EBB98.1] Ebbels, T.M.D., Ellis, R.S., Kneib, J.-P., Le Borgne, J.-F., Pelló et al.: 1998, *Monthly Notices Roy. Astron. Soc.* **295**, 75, "Spectroscopic confirmation of redshifts predicted by gravitational lensing"

[EBI00.1] Ebina, J., Osuga, T., Asada, H., Kasai, M.: 2000, *Progress of Theoretical Physics* **104 (6)**, 1317-1320, "Do relativistic corrections affect microlensing amplification?"

[EDE98.1] Edery, A., Paranjape, M.B.: 1998, *Phys. Rev. D* **58**, 024011, "Classical tests for Weyl gravity: deflection of light and time delay"

[EDG94.1] Edge, A.C., Böringer, H., Guzzo, L., Collins, C.A. et al.: 1994, *Astron. Astrophys.* **289**, L34, "A giant arc in a ROSAT-detected cluster of galaxies"

[EDM85.1] Edmunds, M.G.: 1985, *Nature* **316**, 102, "An extraordinary gravitational lens and the redshift debate"

[EGA00.1] Egami, E., Neugebauer, G., Soifer, B.T., Matthews, K.: 2000, *Astrophys. J.* **535**, 561, "APM 08279+5255: Keck near- and mid-infrared high-resolution imaging"

[EHL86.1] Ehlers, J., Schneider, P.: 1986, *Astron. Astrophys.* **168**, 57, "Self-consistent probabilities for gravitational lensing in inhomogeneous universes"

[EIN11.1] Einstein, A.: 1911, *Annalen der Physik* **35**, 898, "Uber den Einfluß der Schwerkraft auf die Ausbreitung des Lichtes"

[EIN36.1] Einstein, A.: 1936, *Science* **84**, 506, "Lens-like action of a star by the deviation of light in the gravitational field"

[EIR01.1] Eiroa, E., Romero, G.E., Torres, D.F.: 2001, *Modern Physics Let. A* **16, No.15**, 973-983, "Chromaticity Effects in Microlensing by Wormholes"

[EIR02.1] Eiroa, E.F., Romero, G.E., Torres, D.F.: 2002, *Phys. Rev. D* **66**, 024010, "Reissner-Nordström black hole lensing"

[EIS96.1] Eisenhard, P.R., Armus, L., Hogg, D.W., Soifer, B., Neugebauer, G., Werner, W.: 1996, *Astrophys. J.* **461**, 72, "Hubble Space Telescope observations of the luminous IRAS source FSC10214+4724: a gravitationally lensed infrared quasar"

[ELL91.1] Ellis, R., Allington-Smith, J., Smail, I.: 1991, *Monthly Notices Roy. Astron. Soc.* **249**, 184, "Spectroscopy of arcs in the rich cluster Abell 963"

[ELL98.1] Ellis, G.F.R., Bassett, B.A., Dunsby, P.K.: 1998, *Class.Quant.Grav.* **15**, 2345-2361, "Lensing and caustic effects on cosmological distances"

[ELL01.1] Ellis, R., Santos, M.R., Kneib, J.-P., Kuijken, K.: 2001, *Astrophys. J. Let.* **561**, L119, "A Faint Star-forming System Viewed through the Lensing Cluster Abell 2218: First Light at z 5.6?"

[ELL98.2] Ellis, G.F.R., Solomons, D.M.: 1998, *Class.Quant.Grav.* **15**, 2381-2396, "Caustics of compensated spherical lens models"

[ELL96.1] Ellithorpe, Kochanek, C.S., Hewitt, J.N.: 1996, *Astrophys. J.* **464**, 556, "Visibility lensclean and the reliability of deconvolved radio images"

[ELS80.1] Elster, T.: 1980, *Astrophys. Space Science* **71**, 171, "Diffraction of electromagnetic waves in Schwarzschild's space-time"

[ERB03.1] Erben, T., Miralles, J.M., Clowe, D., Schirmer, M., Schneider, P., Freudling, W., Pirzkal, N., Fosbury, R.A.E., Jain, B.: 2003, *Astron. Astrophys.* **410**, 45-52, "A weak lensing analysis of a STIS dark-lens candidate"

[ERB01.1] Erben, T., Van Waerbeke, L., Bertin, E., Mellier, Y., Schneider, P.: 2001, *Astron. Astrophys.* **366**, 717, "How accurately can we measure weak gravitational shear?"

[ERB00.1] Erben, T., Van Waerbeke, L., Mellier, Y., Schneider, P., Cuillandre, J.-C., Castander, F.J., Dantel-Fort, M.: 2000, *Astron. Astrophys.* **355**, 23-36, "Mass-detection of a matter concentration projected near the cluster Abell 1942: Dark clump or high-redshift cluster?"

[ERD89.1] Erdl, H.: 1989, *Progress Report on Cosmology and Gravitational Lensing*, p.78, "Classification of the critical lines of the two-point-mass lens"

[ERD93.1] Erdl, H., Schneider, P.: 1993, *Astron. Astrophys.* **268**, 453, "Classification of the multiple deflection two point-mass gravitational lens models and applications of catastrophe theory in lensing"

[ESC01.1] Escribano, R., Frere, J.-M.,. Monderen, D., Van Elewyck, V.: 2001, *Phys. Lett. B* **512**, 8, "Insights on neutrino lensing"

[ESH84.1] Eshleman, V.R.: 1984, *Sky and Telescope* **67**, 493, "More on gravitational lenses"

[EST94.1] Estaban, E.P., Pérez, J., Diez, F.: 1994, *General Relativity and Gravitation* **26**, 1075, "Beam collimation light deflection and time delay in the Kerr space time"

[ETH33.1] Etherington, I.M.H.: 1933, *Phil. Mag.* **15**, 761, "On the definition of distance in general relativity"

[ETT03.1] Ettori, S., Lombardi, M.: 2003, *Astron. Astrophys.* **398**, L5-L9, "X-ray and weak lensing measurements of the mass profile of MS1008.1-1224: Chandra and VLT data"

[EVA94.2] Evans, N.W.: 1994, *Astrophys. J.* **437**, L31, "Microlensing maps for the galactic bulge"

[EVA95.1] Evans, N.W.: 1995, *Astrophys. J.* **445**, L105, "Are the OGLE/MACHO microlenses in a heavy spheroid?"

[EVA96.1] Evans, N.W.: 1996, *Monthly Notices Roy. Astron. Soc.* **278**, L5, "The nature of the galactic dark matter"

[EVA98.1] Evans, N.W., Gyuk, G.., Turner, M.S., Binney, J.J.: 1998, *Astrophys. J.* **501**, L45, "The LMC microlensing events: evidence for a warped and flaring Milky Way disk?"

[EVA02.1] Evans, N.W., Hunter, C.: 2002, *Astrophys. J.* **575**, 68-86, "Lensing Properties of Cored Galaxy Models"

[EVA00.1] Evans, N.W., Kerins, E.J.: 2000, *Astrophys. J.* **529**, 917, "Is the Large Magellanic Cloud a large microlensing cloud?"

[EVA98.3] Evans, N.W., Wilkinson, M.: 1998, *Monthly Notices Roy. Astron. Soc.* **296**, 800, "Lens models with density cusps"

[EVA94.1] Evans, N.W., Jijina, J.: 1994, *Monthly Notices Roy. Astron. Soc.* **267**, L21, "Microlensing by the Milky Way halo"

[EVA99.2] Evans, A.S., Scoville, N.Z., Dinshaw, N., Armus, L., Soifer, B.T. et al.: 1999, *Astrophys. J.* **518**, 145, "Hubble Space Telescope NICMOS observations of rest-frame optical continuum and $H_\alpha + [N_I]$ emission in FSC 10214+4724"

[EVR98.1] Evrard, A.E.: 1998, *Nature* **394**, 122, "Galaxy clusters: Well of darkness"

[FAB76.1] Faber, S.M., Jackson, R.E.: 1976, *Astrophys. J.* **204**, 668, "Velocity dispersions and mass-to-light ratios for elliptical galaxies"

[FAB94.1] Fabian, A.C., Nulsen, P.E.J.: 1994, *Astrophys. J.* **269**, L33, "Cooling flows, low-mass objects and the galactic halo"

[FAB00.1] Fabian, A.C., Smail, I., Iwasawa, K., Allen, S.W., Blain, A.W. et al.: 2000, *Monthly Notices Roy. Astron. Soc.* **315**, L8-L12, "Testing the connection between the X-ray and submillimetre backgrounds using Chandra"

[FAH94.1] Fahlman, G.G. Kaiser, N., Squires, G., Woods, D.: 1994, *Astrophys. J.* **437**, 56, "Dark matter in MS1224 from distortion of background galaxies"

[FAL87.1] Falco, E.E.: 1987, *New Scientist* **1552**, 46, "Gravity makes a spectacle of itself"

[FAL85.2] Falco, E.E., Gorenstein, M.V., Shapiro, I.I.: 1985, *Astrophys. J.* **289**, L1, "On model dependent bounds on H_0 from gravitational images: application to Q 0957+561 A, B"

[FAL88.1] Falco, E.E., Gorenstein, M.V., Shapiro, I.I.: 1988, *(Reid, M.J., Moran, J.M. (eds.), Reidel): IAU Symposium* **129**, 208, "Can we measure H_0 with VLBI observations of gravitational images?"

[FAL91.1] Falco, E.E., Gorenstein, M.V., Shapiro, I.I.: 1991, *Astrophys. J.* **372**, 364, "New model for the 0957+561 gravitational lens system: bounds on masses of a possible black hole and dark matter and prospects for estimation of H_0"

[FAL99.1] Falco, E.E., Impey, C.D., Kochanek, C.S., Lehár, J., McLeod, B.A. et al.: 1999, *Astrophys. J.* **523**, 617, "Dust and extinction curves in galaxies with z>0: The interstellar medium of gravitational lens galaxies"

[FAL98.1] Falco, E.E., Kochanek, C.S., Muñoz, J.A.: 1998, *Astrophys. J.* **494**, 47, "Limits on cosmological models from radio-selected gravitational lenses"

[FAL96.1] Falco, E.E., Lehár, J., Perley, R.A., Wambsganss, J.,Gorenstein, M.V.: 1996, *Astron. J.* **112**, 897, "VLA observations of the gravitational lens system Q2237+0305"

[FAL97.1] Falco, E.E., Lehár, J., Shapiro, I.: 1997, *Astron. J.* **113**, 540, "HST observations and models of the gravitational lens system MG 0414+0534"

[FAL97.2] Falco, E.E., Shapiro, I.I., Moustakas, L.A., Davis, M.: 1997, *Astrophys. J.* **484**, 70, "An estimate of H_0 from Keck spectroscopy of the gravitational lens system 0957+561"

[FAL91.2] Falco, E.E., Wambsganss, J., Schneider, P.: 1991, *Monthly Notices Roy. Astron. Soc.* **251**, 698, "The role of microlensing in estimates of the relative time delay for the gravitational images of Q 0957+561"

[FAL93.1] Fall, S.M., Pei, Y.C.: 1993, *Astrophys. J.* **402**, 479, "Obscuration of quasars by dust in damped Lyman-α systems"

[FAL90.1] Falomo, R.: 1990, *Astrophys. J.* **353**, 114, "The high-luminosity BL Lacertae object PKS 0823-22"

[FAL90.2] Falomo, R., Melnick, J., Tanzi, E.G.: 1990, *Nature* **345**, 692, "On the close environment of BL Lacertae objects"

[FAL92.1] Falomo, R., Melnick, J., Tanzi, E.G.: 1992, *Astron. Astrophys.* **255**, L17, "PKS 0537-441: an elusive case of gravitationally lensed quasar"

[FAL91.3] Falomo, R., Tanzi, E.G., Treves, A.: 1991, *Astron. Astrophys.* **249**, 341, "A peculiar group of galaxies in the field of the BL Lacertae H 0414+00"

[FAN99.1] Fan, J.H.: 1999, *Astron. Astrophys.* **347**, 419, "Long-term infrared variation of 3C 279 and 4C 29.45"

[FAN00.1] Fan, Z., Chiueh, T: 2000, *Astrophys. J.* **538**, 1, "Influence of the environmental dark matter on QSO-cluster associations and on cluster mass estimates"

[FAN89.1] Fang Lizhi, Wu Xianping: 1989, *Chin. Phys. Let.* **6**, 233, "Geometrical optics in an inhomogeneous universe"

[FAN86.1] Fang, L.-Z., Chu, Y.-Q., Zhu, X.-F.: 1986, *Astrophys. Space Science* **122**, 213, "An upper limit to the density inhomogeneity in the Universe"

[FAR92.1] Faraoni, V.: 1992, *Astrophys. J.* **398**, 425, "Nonstationary gravitational lenses and the Fermat principle"

[FAR93.1] Faraoni, V.: 1993, *Astron. Astrophys.* **272**, 385, "On the rotation of polarization by a gravitational lens"

[FAR98.2] Faraoni, V.: 1998, *Int. J. Mod. Phys. D* **7**, 409, "Multiple imaging by gravitational waves"

[FAR98.1] Faraoni, V., Gunzig, E.: 1998, *Astron. Astrophys.* **332**, 1154, "Lensing by gravitational waves in scalar-tensor gravity: Einstein frame analysis"

[FAR02.1] Farrah, D., Verma, A., Oliver, S., Rowan-Robinson, M., McMahon, R: 2002, *Monthly Notices Roy. Astron. Soc.* **329**, 605-619, "Hubble Space Telescope Wide Field Planetary Camera 2 observations of hyperluminous infrared galaxies"

[FAS99.1] Fassnacht, C.D., Blandford, R.D., Cohen, J.G., Matthews, K., Pearson, T.J. et al.: 1999, *Astron. J.* **117**, 658, "B2045+265: A new four-image gravitational lens from CLASS"

[FAS98.1] Fassnacht, D., Cohen, J.G.: 1998, *Astron. J.* **155**, 377, "Keck spectroscopy of three gravitational lens systems discovered in the JVAS and CLASS surveys"

[FAS02.1] Fassnacht, C.D., Lubin, M.: 2002, *Astron. J.* **123**, 627-636, "The Gravitational Lens - Galaxy Group Connection: I. Discovery of a Group Coincident with CLASS B0712+472"

[FAS99.2] Fassnacht, C.D., Pearson, T.J., Readhead A.C.S., Browne, I.W.A., Koopmans, L.V.E., Myers, S.T., Wilkinson, P.N.: 1999, *Astrophys. J.* **527**, 498, "A Determination of H_0 with the CLASS gravitational lens B1608+656: I. Time delay measurements with the VLA"

[FAS01.1] Fassnacht, C.D., Taylor, G.B.: 2001, *Astron. J.* **122**, 1661-1668, "Compacts symmetric objects as radio flux density calibrators"

[FAS96.1] Fassnacht, D., Womble, D.S., Neugebauer, G., Browne, I.W.A., Readhead, A.C.S. et al.: 1996, *Astrophys. J.* **460**, L103, "1608+656: A gravitationally lensed poststarburst radio galaxy"

[FAS02.2] Fassnacht, C.D., Xanthopoulos, E., Koopmans, L.V.E., Rusin, D.: 2002, *Astrophys. J.* **581**, 823-835, "A Determination of H_0 with the CLASS Gravitational Lens B1608+656: III. A Significant Improvement in the Precision of the Time Delay Measurements"

[FAU03.1] Faure, , C., Alloin, D., Gras, S., Courbin, F., Kneib, J.-P., Hudelot, P.: 2003, *Astron. Astrophys.* **405**, 415-424, "LBQS 1429-0053: a binary quasar rather than a lensed quasar"

[FAU02.1] Faure, C., Courbin, F., Kneib, J.-P., Alloin, D., Bolzonella, M., Burud, I.: 2002, *Astron. Astrophys.* **386**, 69-76, "The lensing system towards the doubly imaged quasar SBS 1520+530"

[FEI66.1] Feibelman, W.A.: 1966, *Science* **151**, 73, "Gravitational lens effect: an observational test"

[FEI86.1] Feibelman, W.A.: 1986, *Publ. Astron. Soc. Pacific* **98**, 1199, "40 Eridani and the gravitational lens effect"

[FEI86.2] Feibelman, W.A.: 1986, *Sky and Telescope* **72**, 5, "No stellar lens yet"

[FEN91.1] Feng, L., Lu, T.: 1991, *Classical quantum gravity* **8**, 851, "Gravitational lensing effect for a massive spin-1/2 particle moving around a Kerr black hole"

[FER95.1] Ferlet, R.: 1995, *Proc. of the 17th Texas Symp. on "Relativistic Astrophysics and Cosmology", eds. Böringer, H., Morfill, G.E., Trümper, J.E., Annals of the New York Academy of Science* **759**, 56, "Machos and dark matter"

[FER97.1] Ferreras, I., Benitez, N., Martinez-Gonzalez., E.: 1997, *Astron. J.* **114**, 1728, "Are optically-selected QSO catalogs biased ?"

[FIE88.1] Fienberg, R.T.: 1988, *Sky and Telescope* **75**, 486, "Of gravity's lens and a fly's eye"

[FIL87.1] Filippenko, A.V.: 1987, *IAU Symposium, Observational Cosmology* **124**, 761, "The Gravitational lens 3C 321: A remarkable impostor"

[FIL89.1] Filippenko, A.V.: 1989, *Astrophys. J.* **338**, L49, "Evidence for MG II λ 2798 profile differences in the gravitationally lensed QSO 2237+0305 A, B"

[FIN02.1] Finch, T.K., Carlivati, L.P., Winn, J.L., Schechter, P.L.: 2002, *Astrophys. J.* **577**, 51-56, "Analytic Expressions for Mean Magnification by a Quadrupole Gravitational Lens"

[FIS99.1] Fischer, P.: 1999, *Astron. J.* **117**, 2024, "A new weak-lensing analysis of MS 1224.7+2007"

[FIS97.1] Fischer, P., Bernstein, G., Rhee, G., Tyson, J.A.: 1997, *Astron. J.* **113**, 521, "The mass distribution of the cluster 0957+561 from gravitational lensing"

[FIS98.1] Fischer, P., Schade, D., Barientos, F.: 1998, *Astrophys. J.* **503**, L127, "Discovery of a new quadruple lens HST 1411+5211"

[FIS97.2] Fischer, P., Tyson, J.A.: 1997, *Astron. J.* **114**, 14, "The mass distribution of the most luminous X-ray cluster RXJ 1347.5-1145 from gravitational lensing"

[FIS94.1] Fischer, P., Tyson, J.A., Bernstein, G.A., Guhathakurta, P.: 1994, *Astrophys. J.* **431**, L71, "Detection of lens candidates for the double quasar Q2345+007"

[FIS00.1] Fischer et al. (SDSS Collaboration): 2000, *Astron. J.* **120**, 1198, "Weak lensing with Sloan Digital Sky Survey commissioning data: The galaxy-mass correlation function to 1/h Mpc"

[FIT94.1] Fitte, C., Adam, G.: 1994, *Astron. Astrophys.* **282**, 11, "Sub-arcsecond integral field spectroscopy of the Einstein Cross 2237+0305: lensing and microlensing effects"

[FLA92.1] Flam, F.: 1992, *Science* **256**, 30, "Putting a cosmic illusion to work"

[FLO84.1] Florentin-Nielsen, R.: 1984, *Astron. Astrophys.* **138**, L19, "Determination of difference in light travel time for QSO 0957+561 A, B"

[FLO91.1] Florentin-Nielsen, R.: 1991, *NOT News, Nordic Optical Telescope, January* **3**, 1, "Gravitational lenses observed with the Nordic Optical Telescope"

[FLO00.1] Flores, R.A., Maller, A.H., Primack, J.R.: 2000, *Astrophys. J.* **535**, 555, "Arc statistics in clusters: galaxy contribution"

[FLO94.1] Flores, R.A., Primack, J.R.: 1994, *Astrophys. J.* **427**, L1, "Observational and theoretical constraints on singular dark matter halos"

[FLO96.1] Flores, R.A., Primack, J.R.: 1996, *Astrophys. J.* **457**, L5, "Cluster cores, gravitational lensing and cosmology"

[FLU99.1] Fluke, C.J., Webster, R.L.: 1999, *Monthly Notices Roy. Astron. Soc.* **302**, 68, "Investigating the geometry of quasars with microlensing"

[FLU99.2] Fluke, C.J., Webster, R.L., Mortlock, D.J.: 1999, *Monthly Notices Royal Astron. Soc.* **306**, 567, "The ray bundle method for calculating weak magnification by gravitational lenses"

[FLU02.1] Fluke, C.J., Webster, R.L., Mortlock, D.J.: 2002, *Monthly Notices Roy. Astron. Soc.* **331**, 180-196, "Investigating cosmological weak lensing with the ray-bundle method"

[FLY96.1] Flynn, C., Gould, A., Bahcall, J.N.: 1996, *Astrophys. J.* **466**, L55, Hubble Deep Field constraint on baryonic dark matter"

[FOL89.1] Foltz, C.B., Chaffee, F.H., Hewett, P.C., Macalpine, G.M., Turnshek, D.A. et al.: 1989, *Astron. J.* **94**, 1423, "The APM QSO Survey. I. Initial MMT results"

[FOL89.2] Foltz, C.B., Chaffee, F.H., Hewett, P.C., Weymann, R.J., Anderson, S.F., Macalpine, G.M.: 1989, *Astron. J.* **98**, 1959, "The Large Bright QSO Survey. II. QSOs in three equatorial fields"

[FOL92.1] Foltz, C.B., Hewett, P.C., Webster, R.L., Lewis, G.F.: 1992, *Astrophys. J.* **386**, L43, "The central velocity dispersion of the lensing galaxy in the quadruple lens system Q2237+0305"

[FOL84.1] Foltz, C.B., Weymann, R.J., Roeser, H.J., Chaffee, F.H.: 1984, *Astrophys. J.* **281**, L1, "Improved lower limits on Lyman-α forest cloud dimensions and additional evidence supporting the gravitational lens nature of 2345+007 A, B"

[FOM75.1] Fomalont, E.B., Sramek, R.A.: 1975, *Astrophys. J.* **199**, 749, "A confirmation of Einstein's general theory of relativity by measuring the bending of microwave radiation in the gravitational field of the sun"

[FOM76.1] Fomalont, E.B., Sramek, R.A.: 1976, *Phys. Rev. Let.* **36**, 1475, "Measurements of the solar gravitational deflection of radio waves in agreement with general relativity"

[FOR87.1] Fort, B.: 1987, *Sky and Telescope* **74**, 581, "Giant luminous arcs are lensed"

[FOR88.2] Fort, B.: 1988, *Astron. Cosmology and Fund. Phys., Kluwer Ac. Pub.*, p.255, "Probing the Universe with rich clusters of galaxies as Giant Gravitational Telescopes"

[FOR89.1] Fort, B.: 1989, *12th Inter. Conf. on General Relativity and Gravit.*, p.153, "Observations of gravitational lenses"

[FOR92.2] Fort, B.: 1992, *La science au présent, Encyclopaedia Universalis, édition actuel*, p.80, "Mirages célestes et télescopes gravitationnels"

[FOR90.1] Fort, B., Le Borgne, J.F., Mathez, G., Mellier, Y., Picat, J.P.et al.: 1990, *The Messenger* **62**, 11, "Arc survey in distant clusters of galaxies"

[FOR91.1] Fort, B., Le Borgne, J.-F., Mathez, G., Mellier, Y., Picat, J.-P., et al.: 1991, *The Messenger* **62**, 11, "Profile of a key programme: arc survey in clusters of galaxies"

[FOR92.1] Fort, B., Le Fèvre, O., Hammer, F., Cailloux, M.: 1992, *Astrophys. J.* **399**, L125, "A new arcs system with a possible radial gravitational image in cluster Cl 2137-23"

[FOR93.1] Fort, B., Mellier, Y.: 1993, *La Recherche* **24**, 336, "L'univers invisible trahi par la lumière"

[FOR94.1] Fort, B., Mellier, Y.: 1994, *Astron. Astrophys. Rev.* **5**, 239, “Arc(let)s in clusters of galaxies”

[FOR98.1] Fort, B., Mellier, Y.: 1998, *Comptes Rendus Mecanique* **326**, 587-597, “Cosmic astigmatism and cartography of the mass distribution in the Universe”

[FOR97.1] Fort, B., Mellier, Y., Dantel-Fort, M.: 1997, *Astron. Astrophys.* **321**, 353, “Distribution of galaxies at large redshift and cosmological parameters from the magnification bias in Cl 0024+1654”

[FOR93.2] Fort, B., Mellier, Y., Kneib, J.-P., Pelló, R., Bonnet, H.: 1993, *ASP Conf. Ser.* **51**, 419, “Probing dark matter in clusters of galaxies with arcs and arclets”

[FOR88.1] Fort, B., Prieur, J.L., Mathez, G., Mellier, Y., Soucail, G.: 1988, *Astron. Astrophys.* **200**, L17, “Faint distorted structures in the core of A 370: are they gravitationally lensed galaxies at z = 1?”

[FOR96.1] Fort, B., Mellier, Y., Dantel-Fort, M.,Bonnet, H., Kneib, J.-P.: 1996, *Astron. Astrophys.* **310**, 705, “Observations of weak lensing in the fields of luminous radiosources”

[FOX01.1] Fox, D.C., Pen, U.-L.: 2001, *Astrophys. J.* **546**, 35, “Gravitational lensing by galaxy groups in the Hubble Deep Field”

[FOX02.1] Fox, D.C., Pen, U.-L.: 2002, *Astrophys. J.* **574**, 38-50, “The Distance to Clusters: Correcting for Asphericity”

[FOY85.1] Foy, R., Bonneau, D., Blazit, A.: 1985, *Astron. Astrophys.* **149**, L13, “The multiple QSO PG 1115+080: a fifth component?”

[FRA97.1] Franx, M., Illingworth, G.D., Kelson, D., van Dokkum, P.G., Tran, K.-V.: 1997, *Astrophys. J.* **486**, L75, “A pair of lensed galaxies at z=4.92 in the field of CL1358+62”

[FRA98.1] Frayer, D.T., Ivison, R.J., Scoville, N.Z., Yun, M., Evans, S. et al.: 1998, *Astrophys. J.* **506**, L7, “Molecular gas in the z=2.8 submillimeter galaxy SMM 02399-0136”

[FRE02.1] Fregeau, J.M., Joshi, K.J., Portegies Zwart, S.F., Rasio, F.A.: 2002, *Astrophys. J.* **570**, 171-183, “Mass Segregation in Globular Clusters”

[FRI92.1] Fried, J.W.: 1992, *Astron. Astrophys.* **254**, 39, “A search for excess galaxies around distant flat-spectrum radio quasars”

[FRI97.1] Fried, J.W.: 1997, *Astron. Astrophys.* **319**, 365, “Faint galaxies around quasars at z = 1 and gravitational lensing of distant objects”

[FRI93.1] Fried, J.W., Stickel, M., Kühr, H.: 1993, *Astron. Astrophys.* **268**, 53, “An imaging study of the environments of radio-selected BL Lac objects”

[FRI94.2] Frieman, D., Harari, D., Surpi, G.: 1994, *Phys. Rev. D* **50**, 4895, “Gravitational lens time delays and gravitational waves”

[FRI94.1] Frieman, J., Scoccimarro, R.: 1994, *Astrophys. J.* **431**, L23, “Can MACHOs probe the shape of the galaxy halo?”

[FRI03.1] Frittelli, S.: 2003, *Monthly Notices Roy. Astron. Soc.* **340 (2)**, 457-462, “On bending angles by gravitational lenses in mo[FRI03.2] Frittelli, S.: 2003, *Monthly Notices Roy. Astron. Soc.* **344**, L85, “Aberration by gravitational lenses in motion”

[FRI00.1] Frittelli, S., Kling, T.P., Newman, E.T.: 2000, *Phys. Rev. D* **61**, 064021, “Spacetime perspective of Schwarzschild lensing”

[FRI01.1] Frittelli, S., Kling, T.P., Newman, E.T.: 2001, *Phys. Rev. D* **63**, 023007, "Image distortion from optical scalars in nonperturbative gravitational lensing"
[FRI01.2] Frittelli, S., Kling, T.P., Newman, E.T.: 2001, *Phys. Rev. D* **63**, 023006, "Image distortion in nonperturbative gravitational lensing"
[FRI02.3] Frittelli, S., Kling, T.P., Newman, E.T.: 2002, *Phys. Rev. D* **65**, 123007, "Fermat Potentials for Non-Perturbative Gravitational Lensing"
[FRI99.1] Frittelli, S., Newman, E.T.: 1999, *Phys. Rev. D* **59**, 124001, "Exact universal gravitational lensing equation"
[FRI02.1] Frittelli, S., Newman, E.T.: 2002, *Phys. Rev. D* **65**, 123006, "Dynamics of Fermat potentials in non-perturbative gravitational lensing"
[FRI02.2] Frittelli, S., Oberst, T.E.: 2002, *Phys. Rev. D* **65**, 023005, "Image distortion by thick lenses"
[FRI02.4] Frittelli, S., Petters, A.O.: 2002, *J.Math.Phys.* **43**, 5578-5611, "Wavefronts, Caustic Sheets, and Caustic Surfing in Gravitational Lensing"
[FRY98.2] Frye, B., Broadhurst, T.: 1998, *Astrophys. J.* **499**, L115, "Discovery of red selected arcs at z=4.04 behind Abell 2390"
[FRY02.1] Frye, B., Broadhurst, T., Benitez, N.: 2002, *Astrophys. J.* **568**, 558-575, "Spectral Evidence for Widespread Galaxy Outflows at z ¿ 4"
[FRY97.1] Frye, B., Welch, D., Broadhurst, T.: 1997, *Astrophys. J.* **478**, L25, "Resolving redshifted molecular absorption towards the lens PKS 1830-211"
[FTA86.1] Ftaclas, C., Kearney, M.W., Pechenick, K.: 1986, *Astrophys. J.* **300**, 203, "Hot spots on neutron stars. II - The observer's sky"
[FUG88.1] Fugmann, W.: 1988, *Astron. Astrophys.* **204**, 73, "Galaxies near distant quasars: observational evidence for statistical gravitational lensing"
[FUG89.1] Fugmann, W.: 1989, *Astron. Astrophys.* **222**, 45, "Galaxies near distant quasars: observational evidence for statistical gravitational lensing (Part II)"
[FUG90.1] Fugmann, W.: 1990, *Astron. Astrophys.* **240**, 11, "Statistical gravitational lensing and the Lick catalogue of galaxies"
[FUJ95.1] Fujimoto, M.Y., Sugiyama, K., Iben, I., Hollowell, D.: 1995, *Astrophys. J.* **444**, 175, "On population III stars as gravitational microlensing objects in the galactic halo"
[FUJ86.1] Fujishita, M.: 1986, *Astrophys. Space Sci.* **119**, 227, "Motion of quasar images by gravitational lens galaxies"
[FUK90.1] Fukugita, M., Futamase, T., Kasai, M.: 1990, *Monthly Notices Roy. Astron. Soc.* **246**, 24P, "A possible test for the cosmological constant with gravitational lenses"
[FUK92.1] Fukugita, M., Futamase, T., Kasai, M., Turner, E.L.: 1992, *Astrophys. J.* **393**, 3, "Statistical properties of gravitational lenses with a non-zero cosmological constant"
[FUK96.1] Fukugita, M., Ichikawa, T., Gunn, J.E., Doi, M. et al.: 1996, *Astron. J.* **111**, 1748, "The Sloan Digital Sky Survey photometric system"
[FUK91.1] Fukugita, M., Turner, E.L.: 1991, *Monthly Notices Roy. Astron. Soc.* **253**, 99, "Gravitational lensing frequencies: galaxy cross sections and selection effects"

[FUK94.1] Fukushige, T., Makino, J.: 1994, *Astrophys. J.* **436**, L111, "Exponential growth of distance between nearby rays due to multiple gravitational scatterings"

[FUK94.2] Fukushige, T., Makino, J., Ebisuzaki, T.: 1994, *Astrophys. J.* **436**, L107, "The effect of gravitational scattering on the anisotropy of the cosmic background radiation"

[FUK98.1] Fukuyama, T., Okamura, T.: 1998, *Astrophys. J.* **495**, 604, "General theorem about gravitational lensing: Extended relation among the numbers of images with different parities"

[FUN94.1] Funato, Y., Makino, J., Ebisuzaki, T.: 1994, *Astrophys. J.* **424**, L17, "Attenuation of luminosity of distant galaxies by multiple gravitational lensing"

[FUT95.1] Futamase, T.: 1995, *Progress of Theoretical Physics* **93 (3)**, 647-652, "On the Validity of the Cosmological Lens Equation in General Relativity"

[FUT88.1] Futamase, T.: 1988, *Phys. Rev. Lett.* **61**, 2175-2178, "Approximation Scheme for Constructing a Clumpy Universe in General Relativity"

[FUT99.2] Futamase, T., Hamana, T.: 1999, *Progress of Theoretical Physic* **102 (5)**, 1037-1041, "Constraint on the Cosmological Constant by Einstein Ring System 0047-2808"

[FUT98.1] Futamase, T., Hattori, M., Hamana, T.: 1998, *Astrophys. J.* **508**, L47, "Gravitationally lensed yet morphologically regular images in clusters of galaxies as astronomical tools"

[FUT89.1] Futamase, T., Sasaki M.: 1989, *Phys. Rev. D.* **40**, 2502, "Light propagation and the distance-redshift relation in a realistic inhomogeneous universe"

[FUT01.1] Futamase, T., Yoshida, S.: 2001, *Progress of Theoretical Physics* **105 (5)**, 887-891, "Possible Measurement of Quintessence and Density Parameter Using Strong Gravitational Lensing Events"

[GAB89.1] Gabuzda, D.C., Cawthorne, T.V., Roberts, D.H., Waedle, J.F.C.: 1989, *Astrophys. J.* **347**, 701, "The miliarcsecond polarization structure of six BL Lacertae objects"

[GAB92.1] Gabuzda, D.C., Cawthorne, T.V., Roberts, D.H., Waedle, J.F.C.: 1992, *Astrophys. J.* **388**, 40, "A survey of the milliarcsecond properties of BL Lacertae objects at 5 GHz"

[GAB93.1] Gabuzda, D.C., Kollgaard, R.I., Roberts, D.H., Wardle, J.F.C.: 1993, *Astrophys. J.* **410**, 39, "Is 1308+326 a BL Lacertae object or a quasar?"

[GAB93.2] Gabuzda, D.C., Kollgaard, R.I.: 1993, *Proc. Sub-Arcsecond Radio Astronomy, 1992, Manchester*, p.148, "Is the BL Lacertae object 1308+326 a microlensed quasar"

[GAL90.1] Gallais, P., Rouan, D., Lacombe, F., Tiphene, D.: 1990, *Astron. Astrophys.* **232**, 16, "Direct 2.2 micron image of the gravitationally lensed quasar Q 0957+561"

[GAR00.1] Garnavich, P.M., Loeb, A., Stanek, K.Z.: 2000, *Astrophys. J.* **544**, L11, "Resolving gamma-ray burst 000301C with a gravitational microlens"

[GAR94.2] Garrett, M.A., Clader, R.J., Porcas, R.W., King, L., Walsh, D., Wilkinson, P.N.: 1994, *Monthly Notices Roy. Astron. Soc.* **270**, 457, "Global VLBI observations of the gravitational lens system 0957+561AB"

[GAR94.1] Garrett, M.A., Muxlow, T.W.B., Patnaik, A.R., Walsh, D.: 1994, *Monthly*

Notices Roy. Astron. Soc. **269**, 902, "MERLIN observations of the gravitational lens system 2016+112"

[GAR99.1] Garrett, M.A., Nair, S., Porcas, R.W., Patnaik, A.R.: 1999, *Vistas Astron.* **41**, 281-285, "Multi-epoch VLBA 15 and 43 GHz observations of the gravitational lens PKS 1830-211: extending VLBI towards the micro-arcsecond scale"

[GAR93.1] Garrett, M.A., Patnaik, A.R., Muxlow, T.W.B., Wilkinson, P.N., Walsh, D.: 1993, *Proc. Sub-Arcsecond Radio Astronomy, 1992, Manchester*, p.146, "MERLIN observations of 3 gravitational lens candidates"

[GAR94.3] Garrett, M.A., Patnaik, A.R., Porcas, R.W.: 1994, *2nd EVN/JIVE Symposium in Torun, Poland, October 1994*, p.73, "Wide-field VLBI observations of gravitational lenses"

[GAR99.2] Garrett, M.A., Porcas, R.W., Pedlar, A., Muxlow, T.W.B., Garrington, S.T.: 1999, *New Astronomy Reviews* **43**, 519-522, "Wide-field VLBI imaging"

[GAR93.2] Garrett, M.A., Porcas, R.W., King, L.J., Calder, R. et al.: 1993, *Proc. Sub-Arcsecond Radio Astronomy, 1992, Manchester*, p.128, "High resolution radio observations of 0957+561"

[GAR92.1] Garrett, M.A., Walsh,D., Carswell, R.F.: 1992, *Monthly Notices Roy. Astron. Soc.* **254**, 27p, "Redshift measurements of the brightest cluster galaxies of the gravitational lens 0957+561"

[GAR96.2] Garrett, M.A., Porcas, R.W., Nair, S., Patnaik, A.R.: 1996, *Monthly Notices Roy. Astron. Soc.* **279**, L7, "Wide-field EVN observations of the gravitational lens system 2016+112"

[GAS77.1] Gaskell, C.M.: 1977, *Astrophys. J.* **215**, L1, "A QSO group in a cluster? - The gravitational lens effect"

[GAS85.1] Gaskell, C.M.: 1985, *Nature* **314**, 402, "Direct estimate of Hubble's constant from the double quasar"

[GAZ03.1] Gaztañaga, E.: 2003, *Astrophys. J.* **589**, 82-99, "Correlation between Galaxies and Quasi-stellar Objects in the Sloan Digital Sky Survey: A Signal from Gravitational Lensing Magnification?"

[GAT96.1] Gates, E.I., Gyuk, G., Turner, M.S.: 1996, *Phys. Rev. D* **53**, 4138-4176, "Gravitational microlensing and the galactic halo"

[GAT95.1] Gates, Y.E., Gyuk, G., Turner, M.S.: 1995, *Phys. Rev. Let.* **74**, 3724, "Microlensing and halo cold dark matter"

[GAT95.2] Gates, Y.E., Gyuk, G., Turner, M.S.: 1995, *Astrophys. J.* **449**, L123, "The local halo density"

[GAT98.1] Gates, E.I., Gyuk, G., Holder, G.P., Turner, M.S.: 1998, *Astrophys. J.* **500**, L145, "No need for MACHOs in the halo"

[GAT01.1] Gates, E.I., Gyuk, G.: 2001, *Astrophys. J.* **547**, 786, "A new (old) component of the galaxy as the origin of the observed Large Magellanic Cloud microlensing events"

[GAT94.1] Gates, E., Turner, M.S.: 1994, *Phys. Rev. Let.* **72**, 2520, "Halo cold dark matter and microlensing"

[GAU98.3] Gaudi, B.S.: 1998, *Astrophys. J.* **506**, 533, "Distinguishing between binary-source and planetary microlensing perturbations"

[GAU02.1] Gaudi, B.S.: 2002, *Astrophys. J.* **566**, 452-462, “Interpreting the M22 Spike Events”

[GAU02.12] Gaudi, B.S., Albrow, M.D., An, J., Beaulieu, J.-P., Caldwell, J.A.R.: 2002, *Astrophys. J.* **566**, 463-499, “Microlensing Constraints on the Frequency of Jupiter-Mass Companions: Analysis of 5 Years of PLANET Photometry”

[GAU03.2] Gaudi, B.S., Chang, H.-Y., Han, C.: 2003, *Astrophys. J.* **586**, 527-539, “Probing Structures of Distant Extrasolar Planets with Microlensing”

[GAU03.1] Gaudi, B.S., Graff, D.S., Han, C.: 2003, *Astrophys. J.* **586**, 451-463, “Angular Radii of Stars via Microlensing”

[GAU01.3] Gaudi, B.S, Granot, J., Loeb, A.: 2001, *Astrophys. J.* **561**, 178-182, “Microlensing and the Surface Brightness Profile of the Afterglow Image of Gamma-Ray Burst 000301C”

[GAU01.2] Gaudi, B.S, Loeb, A.: 2001, *Astrophys. J.* **558**, 643-656, “Resolving the image of gamma-ray burst afterglows with gravitational microlensing”

[GAU99.3] Gautret, L., Fort, B., Mellier, Y.: 1999, *Astron. Astrophys.* **353**, 10, “Constraining (Ω, Λ) from weak lensing in clusters: the triplet method”

[GAU97.1] Gaudi, B.S., Gould, A.: 1997, *Astrophys. J.* **477**, 152, “Satellite parallaxes of lensing events towards the Galactic Bulge”

[GAU97.2] Gaudi, B.S., Gould, A.: 1997, *Astrophys. J.* **482**, 83, “Detection rates for close binaries via microlensing”

[GAU97.3] Gaudi, B.S., Gould, A.: 1997, *Astrophys.J.* **486**, 85, “Planet Parameters in Microlensing Events”

[GAU99.1] Gaudi, B.S., Gould, A.: 1999, *Astrophys. J.* **513**, 619, “Spectrophotometric resolution of stellar surfaces with microlensing”

[GAU98.2] Gaudi, B.S., Naber, R.M., Sackett, P.D.: 1998, *Astrophys. J.* **502**, L33, “Microlensing by multiple planets in high-magnification events”

[GAU02.3] Gaudi, B.S., Petters, A.O.: 2002, *Astrophys. J.* **574**, 970-984, “Gravitational Microlensing near Caustics. I. Folds”

[GAU02.4] Gaudi , B.S., Petters, A.O.: 2002, *Astrophys. J.* **580**, 468-489, “Gravitational Microlensing Near Caustics II: Cusps”

[GAU00.2] Gaudi, B.S., Sackett, P.N.: 2000, *Astrophys. J.* **528**, 56, “Detection efficiencies of microlensing datasets to stellar and planetary companions”

[GAV03.1] Gavazzi, R., Fort, B., Mellier, Y., Pelló, R., Dantel-Fort, M.: 2003, *Astron. Astrophys.* **403**, 11-27, “A radial mass profile analysis of the lensing cluster MS 2137.3-2353”

[GEA91.1] Gear, W.K.: 1991, *Nature* **349**, 676, “Are BL Lac objects too large to be gravitationally lensed?”

[GER96.1] Gerhard, O., Silk, J.: 1996, *Astrophys. J.* **472**, 34, “Baryonic dark halos: a cold gas component”

[GER97.2] Gerin, M., Phillips, T.G., Benford, D.J., Young, K.H., Menten, K.M, Frye, B.: 1997, *Astrophys. J.* **488**, L31, “Redshifted molecular absorption systems towards PKS1830-211 and B0218+357: submillimeter CO, CI and H2O data”

[GEI96.1] Geiger, B., Schneider, P.: 1996, *Monthly Notices Roy. Astron. Soc., Oct.96* **282**, 530, “The light-curve reconstruction method for measuring the time delay of gravitational lens systems”

[GEI98.1] Geiger, B., Schneider, P.: 1998, *Monthly Notices Roy. Astron. Soc.* **295**, 497, "Constraining the mass distribution of cluster galaxies by weak lensing"

[GEI99.1] Geiger, B., Schneider, P.: 1999, *Monthly Notices Roy. Astron. Soc.* **302**, 118, "A simultaneous maximum likelihood approach for galaxy-galaxy lensing and cluster lens reconstruction"

[GEL89.1] Geller, M.J., Huchra, J.P.: 1989, *Science* **246**, 897, "Mapping the universe"

[GIA99.1] Giallongo, E., Fontana, A., Cristiani, S., D'Odorico, S.: 1999, *Astrophys. J.* **510**, 605, "The gravitational lensing in the QSO 1208+10 from the proximity effect in its Lyman α Forest"

[GIA99.2] Giannoni, F., Lombardi, M.: 1999, *Class. Quantum Grav.* **16**, 1689, "Gravitational lenses: odd or even images?"

[GIA99.3] Giannoni, F., Masiello, A., Piccione, P.: 1999, *Class. Quantum Grav.* **16**, 731-748, "Convexity and the finiteness of the number of geodesics. Applications to the multiple-image effect"

[GIL01.1] Gil-Merino, R., Goicoechea, L.J., Serra-Ricart, M., Oscoz, A., Alcalde, D., Mediavilla, E.: 2001, *Monthly Notices Roy. Astron. Soc.* **322**, 397-410, "Short-timescale fluctuations in the difference light curves of QSO 0957+561A,B: Microlensing or noise?"

[GIL02.1] Gil-Merino, R., Wisotzki, L., Wambsganss, J.: 2002, *Astron. Astrophys.* **381**, 428-439, "The Double Quasar HE1104-1805: a case study for time delay determination with poorly sampled lightcurves"

[GIL81.1] Gilmore, G.: 1981, *Observatory* **101**, 170, "The double quasar 0957+561 A, B as a probe of quasar structure"

[GIL85.1] Gilmozzi, R., Wall, J.V., Murdin, P.G., Jorden, P.R., Thorne, D.J., Van Breda, I.G., Peacock, J.A.: 1985, *Nature* **313**, 557, "Pavo XD-10, an X-ray QSO with extended optical structure"

[GOI03.1] Goicoechea, L.J., Alcade, D., Mediavilla, E., Muñoz, J.A.: 2003, *Astron. Astrophys.* **397**, 517-525, "Determination of the properties of the central engine in microlensed QSOs"

[GIO95.1] Gioia, I.M., Henry, J.P., Luppino, G.A., Clowe, D.I. et al.: 1995, *Astron. Astrophys.* **297**, L75, "Discovery of a large gravitational arc in the X-ray cluster A2280"

[GIO86.1] Gioia, I.M., Maccacaro, T., Schild, R.E., Giommi, P., Stocke, J.T.: 1986, *Astrophys. J.* **307**, 497, "New X-ray and optical observations of the X-ray discovered QSO-galaxy pair 1E0104.2+3153"

[GIO94.1] Gioia, I., Luppino, G.: 1994, *Astrophys. J. Suppl.* **94**, 583, "The EMSS catalog of X-ray-selected clusters of galaxies. I. An atlas of CCD images of 41 distant clusters"

[GIO94.2] Gioia, I., Luppino, G., Annis, J., Le Fèvre, O., Hammer, F.: 1994, *Yamaha Conf. 27, "Evolution of the universe and its observational quest"*, p.433, "Gravitational lensed arcs in X-ray selected clusters of galaxies"

[GIO94.3] Gioia, I., Luppino, G., Annis, J., Hammer, F., Le Fèvre, O.: 1994, *Cluster of Galaxies*, p.391, "Arcs in X-ray selected clusters"

[GIO98.1] Gioia, I.M., Shaya, E.J., Le Fèvre, O., Falco, E.E., Luppino, G.A., Hammer, F.: 1998, *Astrophys. J.* **497**, 573, "The lensing cluster MS 0440+0204 seen by

HST, ROSAT and ASCA. I. Cluster properties"
[GIO01.1] Giovi, F., Occhionero, F., Amendola, L.: 2001, *Monthly Notices Roy. Astron. Soc.* **325**, 1097-1108, "The distance-redshift equation in quintessence cosmology and the estimation of H_0 through time-delays"
[GIR88.1] Giraud, E.: 1988, *Astrophys. J.* **334**, L69, "A possible candidate of arclike structure in a southern cluster of galaxies"
[GIR91.1] Giraud, E.: 1991, *The Messenger* **66**, 57, "A new large arc candidate revealed by early NTT images"
[GIR92.1] Giraud, E.: 1992, *Astron. Astrophys.* **257**, 501, "Morphology of faint blue galaxies"
[GIR92.2] Giraud, E.: 1992, *Astron. Astrophys.* **259**, L49, "A luminosity variation detected in a new pair of arclets in a cluster of galaxies at z=0.424"
[GIR99.1] Giraud, E.: 1999, *Astrophys. J.* **512**, 25, "Testing a coupling relation between visible and dark matter in the MS 2137-2353 cluster core"
[GIR97.1] Girardi, M., Fadda, D., Escalera, E., Giuricin, G., Mardirossian, F., Mezzetti, M.: 1997, *Astrophys. J.* **490**, 56, "New optical insights into the mass discrepancy of galaxy clusters: The cases of A1689 and A2218"
[GIR89.1] Giraud, E., Schneider, P., Wambsganss, J.: 1989, *ESO Messenger* **56**, 62, "The arc in Cl 0500-24"
[GIU94.1] Giudice, G.F., Molhrach, S., Roulet, E.: 1994, *Phys. Rev. D* **50**, 2406, "Can EROS and MACHO be detecting the galactic spheroid instead of the galactic halo?"
[GLA03.1] Gladders, M.D., Hoekstra, H., Yee, H.K.C., Hall, P.B., Barrientos, L.F.: 2003, *Astrophys. J.* **593**, 48-55, "The Incidence of Strong-Lensing Clusters in the Red-Sequence Cluster Survey"
[GLA02.1] Gladders, M., Yee, H.K.C., Ellingson, E.: 2002, *Astron. J.* **123**, 1-9, "Discovery of a z=0.77 galaxy cluster with multiple, bright, strong lensing arcs"
[GLA97.1] Glanz, J.: 1997, *Science* **275**, 1416-1417, "Astronomy: Farsighted Gravity Lens Sees Stars"
[GLA94.1] Glazerbrook, K., Lehár, J., Ellis, R., Aragón-Salamanca, A., Griffiths, R.: 1994, *Monthly Notices Roy. Astron. Soc.* **270**, L63, "An unusual high- redshift object discovered with the Hubble Space Telescope: peculiar starburst galaxy or new gravitational lens?"
[GLI99.1] Glicenstein, J.F.: 1999, *Astron. Astrophys.* **343**, 1025, "Gravitational lensing by rotating stars"
[GLI03.1] Glicenstein, J.-F.: 2003, *Astrophys. J.* **584**, 278-283, "Exotic Lensing Corrections to the Microlensing Optical Depth"
[GOG94.1] Gogberashvili, M.: 1994, *Phys. Rev. D* **50**, 4791, "Cosmic strings on a harmonic map and the gravitational lens effect"
[GOI98.1] Goicoechea, L.J., Oscoz, A., Mediavilla, E., Buitrago, J., Serra-Ricart, M.: 1998, *Astrophys. J.* **492**, 74, "The influence of microlensing on time delay determinations in double-imaged quasars"
[GOL98.3] Goldberg, D.M.: 1998, *Astrophys. J.* **498**, 156, "Using astrometry to deblend microlensing events"

[GOL02.1] Goldberg, D.M., Natarajan, P..: 2002, *Astrophys. J.* **564**, 65-72, "The Galaxy Octopole Moment as a Probe of Weak-Lensing Shear Fields"

[GOL98.1] Goldberg, D.M., Wozniak, P.: 1998, *Acta Astron.* **48**, 19, "Astrometric shifts in the OGLE-1 microlensing events"

[GOL01.2] Goliath, M., Amanullah, R., Astier, P., Goobar, A., Pain, R.: 2001, *Astron. Astrophys.* **380**, 6-18, "Supernovae and the nature of the dark energy"

[GOL02.2] Golse, G., Kneib, J.-P., Soucail, G.: 2002, *Astron. Astrophys.* **387**, 788-803, "Constraining the cosmological parameters using strong lensing"

[GOL02.3] Golse, G., Kneib, J.-P: 2002, *Astron. Astrophys.* **390**, 821-827, "Pseudo elliptical lensing mass model: Application to the NFW mass distribution"

[GON80.1] Gondhalekar, P.M., Wilson, R.: 1980, *Nature* **285**, 461, "UV Spectra of the twin QSOs 0957+561 A, B"

[GON82.1] Gondhalekar, P.M., Wilson, R.: 1982, *Nature* **296**, 415, "IUE observations of variability and differences in the UV spectra of double quasar 0957+561 A, B"

[GON99.1] Gondolo, P.: 1999, *Astrophys. J.* **510**, L29, "Optical depth evaluation in pixel microlensing"

[GOO02.1] Goobar, A., Mörtsell, E., Amanullah, R., Nugent, P.: 2002, *Astron. Astrophys.* **393**, 25-32, "Cosmological parameters from lensed supernovae"

[GOO87.1] Goodman, J.J., Romani, R.W., Blandford, R.D., Narayan, R.: 1987, *Monthly Notices Roy. Astron. Soc.* **229**, 73, "The effects of caustics on scintillating radio sources"

[GOO96.1] Goodrich, R.W., Miller, J.S., Martel, A., Cohen, M.H., Tran, H.D. et al.: 1996, *Astrophys. J.* **456**, L9, " FSC 10214+4724: a gravitationally lensed, hidden QSO"

[GOP93.1] Gopal-Krishna, Yates, M., Wiita, P.J., Smette, A., Pati, A., Altieri, B.: 1993, *Astron. Astrophys.* **280**, 360, "Near infrared and optical imaging of Q2345+007: the largest gravitationally lensed QSO system"

[GOP91.1] Gopal-Krishna, Subramanian, K.: 1991, *Nature* **349**, 766, "Gravitational micro-lensing of the relativistic jets of quasars"

[GOP96.1] Gopal-Krishna, Subramanian, K.: 1996, *Astron. Astrophys.* **315**, 343, "Testing the lensing hypothesis for compact double radio sources and other milli-lensing candidates"

[GOR83.1] Gorenstein, M.V.: 1983, *Sky and Telescope* **66**, 390, "Charting paths through gravity's lens"

[GOR88.1] Gorenstein, M.V., Cohen, N.L., Shapiro, I.I., Rogers, A.E.E., Bonometti, R.J. et el.: 1988, *Astrophys. J.* **334**, 42, "VLBI observations of the gravitational lens system 0957+561"

[GOR88.2] Gorenstein, M.V., Falco, E.E., Shapiro, I.I.: 1988, *Astrophys. J.* **327**, 693, "Degeneracies in parameter estimates for models of gravitational lens systems"

[GOR80.1] Gorenstein, M.V., Shapiro, I.I., Cohen, N.L. Falco, E.E., Kassim, N. et al.: 1980, *Bull. AAS* **12**, 498, "VLBI observations of the "twin quasar" 0957+561 A,B"

[GOR83.2] Gorenstein, M.V., Shapiro, I.I., Cohen, N.L., Corey, B.E., Falco, E.E. et al.: 1983, *Science* **219**, 54, "Detection of a compact radio source near the center

of a gravitational lens: quasar image or galactic core?"
[GOR84.1] Gorenstein, M.V., Shapiro, I.I., Rogers, A.E.E., Cohen, N.L., Corey, B.E., Porcas, R.W., Falco, E.E., Bonometti, R.J., Preston, R.A., Rius, A., Whitney, A.R.: 1984, *Astrophys. J.* **287**, 538, "The milli-arcsecond images of Q 0957+561"
[GOR86.1] Gorham, P.W.: 1986, *Astrophys. J.* **303**, 601, "Gravitational light deflection effects in eclipsing binary pulsars"
[GOT81.1] Gott, J.R.: 1981, *Astrophys. J.* **243**, 140, "Are heavy halos made of low mass stars? A gravitational lens test"
[GOT85.1] Gott, J.R.: 1985, *Astrophys. J.* **288**, 422, "Gravitational lensing effects of vacuum strings: exact solutions"
[GOT86.1] Gott, J.R.: 1986, *Nature* **321**, 420, "Is QSO 1146+111 B, C due to lensing by a cosmic string?"
[GOT87.1] Gott, J.R.: 1987, *IAU Symposium* **117**, 219, "Gravitational lenses and dark matter: theory"
[GOT74.1] Gott, J.R., Gunn, J.E.: 1974, *Astrophys. J.* **190**, L105, "The double quasar 1548 + 115 a, b as a gravitational lens"
[GOT89.1] Gott, J.R., Myeong-Gu Park, Hyung Mok Lee: 1989, *Astrophys. J.* **338**, 1, "Setting limits on q_0 from gravitational lensing"
[GOU92.1] Gould, A.: 1992, *Astrophys. J.* **386**, L5, "Femtolensing of gamma-ray bursters"
[GOU92.2] Gould, A.: 1992, *Astrophys. J.* **392**, 442, "Extending the MACHO search to $\sim 10^6$ $M_\odot$"
[GOU93.1] Gould, A.: 1993, *Astrophys. J.* **404**, 451, "Probing the LMC Halo for MACHOs"
[GOU93.2] Gould, A.: 1993, *Astrophys. J.* **414**, L37, "Deflection of light by earth"
[GOU94.1] Gould, A.: 1994, *Astrophys. J.* **421**, L75, "MACHO velocities from satellite-based parallaxes" :
[GOU94.3] Gould, A.: 1994, *Astrophys. J.* **421**, L71, "Proper motions of MACHOs"
[GOU94.4] Gould, A.: 1994, *Astrophys. J.* **435**, 573, "Microlensing by stars in the disk of M31"
[GOU95.1] Gould, A.: 1995, *Astrophys. J.* **441**, 77, "Self-lensing by a stellar disk"
[GOU95.2] Gould, A.: 1995, *Astrophys. J.* **441**, L21, "MACHO parallaxes from a single satellite"
[GOU95.3] Gould, A.: 1995, *Astrophys. J.* **444**, 556, "Transverse velocities of galaxies from microlens parallaxes"
[GOU95.4] Gould, A.: 1995, *Astrophys. J.* **446**, 541, "Self-lensing by binaries"
[GOU95.5] Gould, A.: 1995, *Astrophys. J.* **446**, L71, "K band microlensing of the inner galaxy"
[GOU95.6] Gould, A.: 1995, *Astrophys. J.* **447**, 491, "A new MACHO search strategy"
[GOU95.7] Gould, A.: 1995, *Astrophys. J.* **455**, 44, "Search for intracluster MACHOs by pixel lensing of M87"
[GOU95.8] Gould, A.: 1995, *Astrophys. J.* **455**, 37, "Microlensing search of 10^6 quasars"
[GOU95.9] Gould, A.: 1995, *Astrophys. J.* **440**, 510, "Analytic error estimates"

[GOU96.2] Gould, A.: 1996, *Astrophys. J.* **470**, 201, "Theory of pixel lensing"
[GOU96.3] Gould, A.: 1996, *Pub. Astron. Soc. Pac.* **108**, 465, "Microlensing and the Stellar Mass Function"
[GOU97.3] Gould, A.: 1997, *Astrophys. J.* **480**, 188, "Extreme microlensing toward the galactic bulge"
[GOU97.5] Gould, A.: 1997, *Astrophys. J.* **483**, 98, "Measuring the rotation speed of giant stars from gravitational microlensing"
[GOU97.7] Gould, A.: 1997, *Astronomical Time Series, eds. D.Maoz, A.Sternberg, E.M.Leibowitz, (Dordrecht: Kluwer)*, p.37, "Microlensing: Current Results and Future Prospects"
[GOU98.3] Gould, A.: 1998, *Astrophys. J.* **499**, 728, "Large Magellanic Clouds microlenses: dark or luminous?"
[GOU98.1] Gould, A.: 1998, *Astrophys. J.* **506**, 253, "Microlens parallax asymmetries toward the Large Magellanic Cloud"
[GOU99.1] Gould, A.: 1999, *Astrophys. J.* **514**, 869, "Microlens parallaxes with SIRTF"
[GOU99.3] Gould, A.: 1999, *Astrophys. J.* **517**, 719, "Optimal microlensing observations"
[GOU99.4] Gould, A.P.: 1999, *Astrophys. J.* **525**, 734, "A new argument against an intervening stellar population toward the Large Magellanic Cloud"
[GOU00.5] Gould, A.P.: 2000, *Astrophys. J.* **532**, 936, "Selection of nearby microlensing candidates for observation by the Space Interferometry Mission"
[GOU00.6] Gould, A.: 2000, *Astrophys. J.* **535**, 928, "Measuring the remnant mass function of the galactic bulge"
[GOU00.3] Gould, A.: 2000, *Astrophys. J.* **542**, 785, "A natural formalism for microlensing"
[GOU01.1] Gould, A.: 2001, *Publ. Astron. Soc. Pacific* **113**, 903, "Applications of microlensing to stellar astrophysics"
[GOU01.2] Gould, A.P.: 2001, *Nature* **414**, 591-593, "Astronomy: Gravitational microlens in motion"
[GOU02.2] Gould, A.: 2002, *Pub. Astron. Soc. Pac.* **113**, 903-915, "Applications of Microlensing to Stellar Astrophysics"
[GOU02.1] Gould, A., An, J.H.: 2002, *Astrophys. J.* **565**, 1381-1385, "Resolving Microlens Blends Using Image Subtraction"
[GOU99.2] Gould, A., Andronov, N.: 1999, *Astrophys. J.* **516**, 236, "Complete parallax and proper-motion solutions for halo binary-lens microlensing events"
[GOU98.2] Gould, A., Depoy, D.L,: 1998, *Astrophys. J.* **497**, 62, "Pixel lensing search for bright microlensing events and variables in the Galactic Bulge"
[GOU97.1] Gould, A., Gaucherel, C.: 1997, *Astrophys. J.* **477**, 580, "Stokes's theorem applied to microlensing of finite sources"
[GOU97.2] Gould, A., Gaudi, S.: 1997, *Astrophys. J.* **486**, 687, "Femtolens imaging of a quasar central engine using a dwarf star telescope"
[GOU03.3] Gould, A., Gaudi, S., Han, C.: 2003, *Astrophys. J.* **591**, L53-L56, "Resolving the Microlens Mass Degeneracy for Earth-Mass Planets"

[GOU00.1] Gould, A., Han, C: 2000, *Astrophys. J.* **538**, 653, "Astrometric resolution of severely degenerate binary microlensing events"

[GOU92.3] Gould, A., Loeb, A.: 1992, *Astrophys. J.* **396**, 104, "Discovering Planetary Systems through gravitational microlenses"

[GOU94.2] Gould, A., Miralda-Escudé, J., Bahcall, J.N.: 1994, *Astrophys. J.* **423**, L105, "Microlensing events: thin disk, thick disk, or halo?"

[GOU97.4] Gould, A., Miralda-Escudé, J.: 1997, *Astrophys. J.* **483**, L13, "Signatures of accretion disks in quasar microlensing"

[GOU99.5] Gould, A., Salim, S.: 1999, *Astrophys. J.* **524**, 794, "Photometric microlens parallaxes with the Space Interferometry Misssion"

[GOU01.3] Gould, A., Stutz, A., Frogel, J.A.: 2001, *Astrophys. J.* **547**, 590-593, "A Method to Measure the Ratio of Total to Selective Extinction toward Baade's Window"

[GOU94.5] Gould, A., Villumsen, J.: 1994, *Astrophys. J.* **428**, L45, "Weak lensing by nearby structures"

[GOU96.1] Gould, A., Welch, D.L.: 1996, *Astrophys. J.* **464**, 212, "MACHO proper motions from optical/infrared photometry"

[GRA99.1] Graff, D.S., Gardiner, L.T.: 1999, *Monthly Notices Royal Astron. Soc.* **307**, 577, "Microlensing in the Small Magellanic Cloud: lessons from an N-body simulation"

[GRA00.4] Graff, D.S., Gaudi, B.S: 2000, *Astrophys. J.* **538**, L133, "Direct detection of giant close-in planets around the source stars of caustic-crossing microlensing events"

[GRA02.2] Graff, D.S., Gould, A.: 2002, *Astrophys. J.* **580**, 253-260, "Microlens Parallaxes of Binary Lenses Measured from a Satellite"

[GRA00.5] Graff, D., Gould, A., Suntzeff, N., Schommer, B., Hardy, E.: 2000, *Astrophys. J.* **540**, 211-216, "The Velocity Structure of Large Magellanic Cloud Carbon Stars: Young Disk, Old Disk, and Perhaps a Separate Population"

[GRA98.1] Graff, D.S., Laughlin, G., Freese, K.: 1998, *Astrophys. J.* **499**, 7, "MACHOs, white dwarfs, and the age of the Universe"

[GRA95.1] Graham, J.R., Liu, M.C.: 1995, *Astrophys. J.* **449**, L29, "High resolution infrared imaging of FSC 10214+4724: Evidence for gravitational lensing"

[GRA96.1] Granato, G.L., Danese, L., Franceschini, A.: 1996, *Astrophys. J.* **460**, L11, "Dust-enshrouded AGN models for hyperluminous, high-redshift infrared galaxies"

[GRA00.2] Granato, G.L., Lacey, C.G., Silva, L., Bressan, A., Baugh, C.M. et al.: 2000, *Astrophys. J.* **542**, 710-730, "The infrared side of galaxy formation. I. The local universe in the semi-analytical framework"

[GRA01.1] Granot, J., Loeb, A.: 2001, *Astrophys. J.* **551**, L63-L66, "Chromatic Signatures in the Microlensing of Gamma-Ray Burst Afterglows"

[GRA03.1] Granot, J., Schechter, P.L., Wambsganss, J.: 2003, *Astrophys. J.* **583**, 575-583, "The Mean Number of Extra Microimage Pairs for Macrolensed Quasars"

[GRA01.2] Gray, M.E., Ellis, R.S., Lewis, J.R., McMahon, R.G.: 2001, *Monthly Notices Roy. Astron. Soc.* **325**, 111-118, "Infrared constraints on the dark mass concentration observed in the cluster Abell 1942"

[GRA00.1] Gray, M.E., Ellis, R.S., Refregier, A., Bézecourt, J., McMahon, R.G. et al.: 2000, *Monthly Notices Roy. Astron. Soc.* **318**, 573, “Infrared observations of gravitational lensing in Abell 2219 with CIRSI”

[GRA02.1] Gray , M.E., Taylor, A.N., Meisenheimer, K., Dye, S., Wolf, C., Thommes, E.: 2002, *Astrophys. J.* **568**, 141-162, “Probing the Distribution of Dark Matter in the A901/902 Supercluster with Weak Lensing”

[GRE00.2] Green, A.M: 2000, *Astrophys. J.* **537**, 708, “Probing the mass function of halo dark matter via microlensing”

[GRE02.3] Green, A.M., Jedamzik, K.: 2002, *Astron. Astrophys.* **395**, 31-35, “Are there MACHOs in the Milky Way halo?”

[GRE02.2] Green, P.J., Kochanek, C., Siemiginowska, A., Kim, D.-W., Markevitch, M., Silverman, J., Dosaj, A.: 2002, *Astrophys. J.* **571**, 721-732, “Chandra Observations of the QSO Pair Q2345+007: Binary Quasar or Massive Dark Lens?”

[GRE02.1] Gregg, M.D., Lacy, M., White, R.L., Glikman, E., Helfand, D., Becker, R.H., Brotherton, M.S.: 2002, *Astrophys. J.* **564**, 133-142, “The Reddest Quasars”

[GRE00.3] Gregg, M.D., Wisotzki, L. Becker, R., Maza, J., Schechter, P. et al. : 2000, *Astron. J.* **119**, 2535, “A close separation double quasar lensed by a gas-rich galaxy”

[GRE00.4] Grego, L., Carlstrom, J.E., Joy, M.K., Reese, E.D., Holder, G.P. et al.: 2000, *Astrophys. J.* **539**, 39, “The Sunyaev-Zel'dovich effect in Abell 370”

[GRE99.1] Grenacher, L., Jetzer, P., Strässle, M., De Paolis, F.: 1999, *Astron. Astrophys.* **351**, 775, “Microlensing towards different galactic targets”

[GRE80.1] Greenfield, P.E., Burke, B.F., Roberts, D.H.: 1980, *Nature* **286**, 865, “The double quasar 0957+561 as a gravitational lens: further VLA observations”

[GRE80.2] Greenfield, P.E., Roberts, D.H., Burke, B.F.: 1980, *Science* **208**, 495, “The double quasar 0957+561: examination of the gravitational lens hypothesis using the Very Large Array”

[GRE85.1] Greenfield, P.E., Roberts, D.H., Burke, B.F.: 1985, *Astrophys. J.* **293**, 370, “The gravitationally lensed quasar 0957+561: VLA observations and mass models”

[GRI90.1] Grieger, B.: 1990, *Astrophys. Space Sci.* **171**, 115, “The resolution of the compact core of quasars and active galaxies with the gravitational lens effect”

[GRI88.2] Grieger, B., Kayser, R.: 1988, *Sterne und Weltraum* **27**, 355, “Mikro-Gravitationslinsen als Schluessel zur Quasarstruktur”

[GRI89.2] Grieger, B., Kayser, R.: 1989, *Sterne und Weltraum* **28**, 516, “Quasare - so fern oder doch so nah”

[GRI86.1] Grieger, B., Kayser, R., Refsdal, S.: 1986, *Nature* **324**, 126, “A parallax effect due to gravitational micro-lensing”

[GRI88.1] Grieger, B., Kayser, R., Refsdal, S.: 1988, *Astron. Astrophys.* **194**, 54, “Gravitational micro-lensing as a clue to quasar structure”

[GRI89.1] Grieger, B., Kayser, R., Refsdal, S., Stabell, R.: 1989, *Abhandlungen aus der Hamburger Sternwarte, X,4* **10**, 177, “The two point mass gravitational lens”

[GRI91.1] Grieger, B., Kayser, R., Schramm, T.: 1991, *Astron. Astrophys.* **252**, 508, "The deconvolution of the quasar structure from microlensing light curves"

[GRI91.2] Griest, K.: 1991, *Astrophys. J.* **366**, 412, "Galactic microlensing as a method of detecting massive compact halo objects"

[GRI95.1] Griest, K.: 1995, *Plenary review talk, Proceedings of the 1994 Snowmass Summer Study, "Particle and Nuclear Astrophysics and Cosmology in the Next Millennium", eds. E.W.Kolb and R.D.Peccei, (World Scientific, Singapore 1995)*, p.21, "The particle- and astro-physics of dark matter"

[GRI95.2] Griest, K.: 1995, *Proc. International School of Physics Enrico Fermi Course "Dark Matter in the Universe", eds Bonometto, S., Primack, J., Provenzale, A., Varenna*, p.343, "The nature of the dark matter"

[GRI91.3] Griest, K., Alcock, Ch., Axelrod, S., Bennett, D.P., Cook, K.H. et al.: 1991, *Astrophys. J.* **372**, L79, "Gravitational microlensing as a method of detecting disk dark matter and faint disk stars"

[GRI95.3] Griest, K., Alcock, C., Allsman, T.S., Axelrod, D.P., Bennet, K.H. et al. (The MACHO Collaboration): 1995, *John Hopkins Workshop and Pascos Symposia 95, eds Bagger, J. et al.,(World Scientific, Singapore), 1996*, p.467, "MACHO collaboration search for baryonic dark matter via gravitational microlensing"

[GRI92.1] Griest, K., Hu, W.: 1992, *Astrophys. J.* **397**, 362, "Effect of binary sources on the search for massive astrophysical compact halo objects via microlensing" (Erratum: 1993, *Astrophys. J.* **407**, 440)

[GRI98.1] Griest, K., Safizadeh, N.: 1998, *Astrophys. J.* **500**, 37, "The use of high-magnification microlensing events in discovering extrasolar planets"

[GRI96.1] Griffiths, R.E., Casertano, S., Im, M., Ratnatunga, K.U.: 1996, *Monthly Notices Roy. Astron. Soc.* **282**, 1159, "Weak Gravitational Lensing around Field Galaxies in Hubble Space Telescope Survey Images"

[GRO92.1] Gron, O., Refsdal, S.: 1992, *Eur. J. Phys.* **13**, 178-183, "Gravitational lenses and the age of the Universe"

[GRO88.1] Grossman, S.A., Narayan, R.: 1988, *Astrophys. J.* **324**, L37, "Arcs from gravitational lensing"

[GRO89.1] Grossman, S.A., Narayan, R.: 1989, *Astrophys. J.* **344**, 637, "Gravitationally lensed images in Abell 370"

[GRO96.1] Grogin, N.A., Narayan, R.: 1996, *Astrophys. J.* **464**, 92, "A new model of the gravitational lens 0957+561 and a limit on the Hubble constant" (Erratum: 1996, *Astrophys. J.* **473**, 570)

[GRO94.2] Grossman, S.A., Nowak, M.A.: 1994, *Astrophys. J.* **435**, 557, "The statistics of gamma-ray burst lensing"

[GRO94.1] Grossman, S.A., Saha, P.: 1994, *Astrophys. J.* **431**, 74, "Arc statistics and constrains on cluster lenses"

[GRU95.1] Grundahl, F., Hjörth, J.: 1995, *Monthly Notices Roy. Astron. Soc.* **275**, L67, "The optical appearance of the gravitational lens system B0218+35.7"

[GUH91.1] Guhathakurta, P.: 1991, *XXVIth Rencontre de Moriand: "The early observable universe from diffuse backgrounds", (eds. Rocca-Volmerange, B., Deharveng, J.M., Trân Thanh Vân, ed. Frontières)*, p.155, "Redshift constraints and clustering of faint galaxies"

[GUH91.2] Guhathakurta, P.: 1991, *Clusters and Superclusters of Galaxies, (eds. Colles, M.M., Babul, A., Edge, A.C. et al., NATO ASI, Cambridge)*, p.55, "Gravitational lensing by galaxy clusters"

[GUH95.1] Guhathakurta, P.: 1995, *Journ. of Astrophys. Astron., (Suppl. to Vol.16)* **16**, 119, "Faint blue galaxies and gravitational lensing by clusters of galaxies"

[GUH90.1] Guhathakurta, P., Tyson, J.A., Majewski, S.R.: 1990, *Astrophys. J.* **357**, L9, "A redshift limit for the faint blue galaxy population from deep U band imaging"

[GUI01.1] Guimaraes, A.C.C., van de Bruck, C., Brandenberger, R.H.: 2001, *Monthly Notices Roy. Astron. Soc.* **325**, 278, "Galaxy-QSO correlation induced by weak gravitational lensing arising to large-scale structure"

[GUI99.1] Guirado, J.C., Jones, D.L., Lara, L., Marcaide, J.M. et al.: 1999, *Astron. Astrophys.* **346**, 392, "Dual-frequency VLBI observations of the gravitational lens system PKS 1830-211"

[GUN67.1] Gunn, J.E.: 1967, *Astrophys. J.* **147**, 61, "A fundamental limitation on the accuracy of angular measurements in observational cosmology"

[GUN67.2] Gunn, J.E.: 1967, *Astrophys. J.* **150**, 737, "On the propagation of light in inhomogeneous cosmologies. I - Mean effects"

[GUR86.1] Gurvits, L.I., Mitrofanov, I.G.: 1986, *Nature* **324**, 349, "Perturbation of the background radiation by a moving gravitational lens"

[GUZ01.1] Guzik, J., Seljak, U.: 2001, *Monthly Notices Roy. Astron. Soc.* **321**, 439-449, "Galaxy-dark matter correlations applied to galaxy-galaxy lensing: predictions from the semi-analytic galaxy formation models"

[GUZ02.1] Guzik, J., Seljak, U.: 2002, *Monthly Notices Roy. Astron. Soc.* **335(2)**, 311-324, "Virial masses of galactic haloes from galaxy-galaxy lensing: theoretical modelling and application to Sloan Digital Sky Survey data"

[GUZ00.1] Guzik, J., Seljak, U., Zaldarriaga, M.: 2000, *Phys. Rev. D* **62**, 043517, "Lensing effect on polarization in microwave background: extracting convergence power spectrum"

[GYU99.1] Gyuk, G.: 1999, *Astrophys. J.* **510**, 205, "Gravitational microlensing and the structure of the inner Milky Way"

[GYU00.2] Gyuk, G., Crotts, A.: 2000, *Astrophys. J.* **535**, 621, "Optical depth from realistic microlensing models of M31"

[GYU00.1] Gyuk, G., Dalal, N., Griest, K.: 2000, *Astrophys. J.* **535**, 90, "Self-lensing models of the Large Magellanic Cloud"

[GYU98.2] Gyuk, G., Evans, N.W., Gates, E.I.: 1998, *Astrophys. J.* **502**, L29, "Brown dwarfs, white knights and demons"

[GYU99.3] Gyuk, G., Flynn, C., Vyn Evans, N.: 1999, *Astrophys. J.* **521**, 190, "Star counts and the warped and flaring Milky Way disk"

[GYU98.1] Gyuk, G., Gates, E.: 1998, *Monthly Notices Roy. Astron. Soc.* **294**, 682, "Rotating haloes and the microlensing MACHO mass estimate"

[GYU99.2] Gyuk, G., Gates, E.: 1999, *Monthly Notices Roy. Astron. Soc.* **304**, 281, "Large Magellanic Cloud microlensing and very thick disks"

[GYU98.3] Gyuk, G., Holder, G.P.: 1998, *Monthly Notices Roy. Astron. Soc.* **297**, L44, "Globular clusters as microlensing targets"

[HAA97.1] Haarsma, D.B., Hewitt, J.N., Lehár, J., Burke, B.F.: 1997, *Astrophys. J.* **479**, 102, "The 6 centimeter light curves of B0957+561, 1979-1994: New features and implications for the time delay"

[HAA99.1] Haarsma, D.B., Hewitt, J.N., Lehár, J., Burke, B.F.: 1999, *Astrophys. J.* **510**, 64, "The radio wavelength time delay of gravitational lens 0957+561"

[HAC89.1] Hacking, I.: 1989, *Philosophy of Science* **56**, 555, "Extragalactic reality: the case of gravitational lensing"

[HAC82.1] Hacyan, S.: 1982, *Astrophysical Letters* **22**, 97, "An estimate of the probability of observing a gravitational lens effect"

[HAG00.1] Hagen, H.-J., Reimers, D.: 2000, *Astron. Astrophys.* **357**, L29, "HS 0818+1227: discovery of a new double gravitationally lensed QSO"

[HAL02.1] Hall, P.B., Richards, G.T., York, D.G., Keeton, C.R., Bowen, D.V. et al.: 2002, *Astrophys. J.* **575**, L51-L54, "The Redshift of a Lensing Galaxy in PMN J0134-0931"

[HAL00.1] Hall, P.B., Yee, H.K.C., Lin, H., Morris, S.L., Gladders, M.D. et al.: 2000, *Astron. J.* **120**, 1660, "Spectroscopic gravitational lens candidates in the CNOC2 field galaxy redshift survey"

[HAL84.1] Halpern, J.P., Marshall, H.L., Oke, J.B.: 1984, *Astron. J.* **89**, 1802, "1300+361 A, B is not a gravitational lens"

[HAM98.1] Hamana, T.: 1998, *Prog. Theor. Phys.* **99**, 1085, "Comments on the gravitational lensing magnification"

[HAM99.3] Hamana, T.: 1999, *Monthly Notices Roy. Astron. Soc.* **302**, 801, "Weyl focusing effects on the image magnification due to randomly distributed isothermal objects"

[HAM01.1] Hamana, T.: 2001, *Monthly Notices Roy. Astron. Soc.* **326**, 326, "Lensing magnification effects on the cosmic shear statistics"

[HAM02.1] Hamana, T., Colombi, S.T., Thion, A., Devriendt, E.G.T., Mellier, Y., Bernardeau, F.: 2002, *Monthly Notices Roy. Astron. Soc.* **330**, 365-377, "Source-lens clustering effects on the skewness of the lensing convergence"

[HAM00.2] Hamana, T., Futamase, T.: 2000, *Astrophys. J.* **534**, 29, "A new measure of σ_8 using the lensing dispersion in high-z type Ia Supernovae"

[HAM97.1] Hamana, T., Futamase, K., Futamase, T., Kasai, M.: 1997, *Monthly Notices Roy. Astron. Soc.* **287**, 341, "Comments on the amplification bias in lens statistics"

[HAM97.2] Hamana, T., Hattori, M., Ebeling, H., Henry, J.P., Futamase, T., Shioya, Y.: 1997, *Astrophys. J.* **484**, 574, "Lensing effects on the protogalaxy candidate cB58 and their implications for the cosmological constant"

[HAM00.1] Hamana, T., Martel, H., Futamase, T.: 2000, *Astrophys. J.* **529**, 56, "Statistics of weak gravitational lensing in cold dark matter models: Magnification bias on quasar luminosity functions"

[HAM01.2] Hamana, T., Mellier, Y.: 2001, *Monthly Notices Roy. Astron. Soc.* **327**, 169-176, "Numerical study of the statistical properties of the lensing excursion angles"

[HAM81.1] Hameury, J.M., Perault, M., Bonazzola, S., Puget, J.L.: 1981, *Astron. Astrophys.* **103**, 63, "On the observability of gravitational scintillation"
[HAM85.1] Hammer, F.: 1985, *Astron. Astrophys.* **144**, 408, "Gravitational amplification of light by a non-static and thick lens"
[HAM85.2] Hammer, F.: 1985, *Astron. Astrophys.* **152**, 262, "Gravitational amplification of light: general solution in the vacuole model"
[HAM87.1] Hammer, F.: 1987, *High redshift and primeval galaxies, Third IAP Work., (eds. Bergeron et al.), Ed. Frontières*, p.467, "A gravitational lensing model of the strange ring-like structure in A370"
[HAM90.1] Hammer, F.: 1990, *Astrophys. Space Sci.* **170**, 389, "New views through the gravitational telescope"
[HAM91.1] Hammer, F.: 1991, *Astrophys. J.* **383**, 66, "Thin and giant luminous arcs: a strong test of the lensing cluster mass distribution"
[HAM92.1] Hammer, F.: 1992, *Proc. 2nd DAEC Meeting (eds. Mamon, G.A., Gerbal, D.)*, p.81, "Lensing mass distribution derived from giant luminous arcs"
[HAM90.2] Hammer, F., Le Fèvre, O.: 1990, *Astrophys. J.* **357**, 38, "High spatial resolution imaging of 10 3CR galaxies with z > 1 and statistical evidence for selection effects from gravitational amplification"
[HAM91.2] Hammer, F., Le Fèvre, O.: 1991, *The Messenger* **63**, 59, "New NTT discoveries on distant galaxies and gravitational lensing"
[HAM91.4] Hammer, F., Le Fèvre, O., Angonin, M.-C., Meylan, G., Smette, A., Surdej, J.: 1991, *Astron. Astrophys.* **250**, L5, "MG 1131+0456: discovery of the optical Einstein ring with the NTT"
[HAM89.1] Hammer, F., Le Fèvre, O., Jones, J., Rigaut, F., Soucail, G.: 1989, *Astron. Astrophys.* **208**, L7, "Probable additional gravitational images related to the Cl 2244-02 arc and B,V,R photometry of the cluster core"
[HAM87.2] Hammer, F., Le Fèvre, O., Nottale, L.: 1987, *IAU Symposium, Observational Cosmology* **124**, 751, "3C 324: A probable new gravitational lens"
[HAM91.3] Hammer, F., Le Fèvre, O., Proust, D.: 1991, *Astrophys. J.* **374**, 91, "Deep spectroscopy under high spatial resolution of the high-redshift radio source 3CR 368: the monster elucidated"
[HAM97.3] Hammer, F., Gioia, I.M., Shaya, E.J., Teyssandier, P., Le Fèvre, O., Luppino, G.A.: 1997, *Astrophys. J.* **491**, 477, "Detailed lensing properties of the MS 2137-2353 core and reconstruction of sources from Hubble Space Telescope Imagery"
[HAM86.1] Hammer, F., Nottale, L.: 1986, *Astron. Astrophys.* **155**, 420, "VV 172: an effect of gravitational amplification by a massive halo?"
[HAM86.2] Hammer, F., Nottale, L.: 1986, *Astron. Astrophys.* **167**, 1, "Gravitational amplification of brightest cluster galaxies by foreground clusters"
[HAM86.3] Hammer, F., Nottale, L., Le Fèvre, O.: 1986, *Astron. Astrophys.* **169**, L1, "Overluminosity of distant radiogalaxies: evolution or gravitational amplification?"
[HAM89.2] Hammer, F., Rigaut, F.: 1989, *Astron. Astrophys.* **226**, 45, "Giant luminous arcs from lensing: determination of the mass distribution inside distant cluster cores"

[HAM95.1] Hammer, F., Rigaut, F., Angonin-Williame, M.-C., Vanderriest, C.: 1995, *Astron. Astrophys.* **298**, 737, "Imaging and spectroscopy of B1422+231 at CFHT: identification of the mirage and of the lensing galaxy at z=0.647"

[HAM02.2] Hammerle, H., Miralles, J.-M.1, Schneider, P., Erben, T., Fosbury, R.A.E., Freudling, W. et al.: 2002, *Astron. Astrophys.* **385**, 743-760, "Cosmic shear from STIS pure parallels II. Analysis"

[HAM99.2] Hammersley, P.L., Cohen, M., Garzon, F., Mahoney, T., Lopez-Corredoira, M.: 1999, *Monthly Notices Roy. Astron. Soc.* **308**, 333, "Structure in the first quadrant of the galaxy: an analysis of "TMGS" star counts using the "SKY" model"

[HAN96.3] Han, C.: 1996, *Astrophys. J.* **472**, 108, "Pixel lensing experiment towards the M31 bulge"

[HAN97.3] Han, C.: 1997, *Astrophys. J.* **490**, 51, "Correcting for blending problems in gravitational microlensing events by using Hubble Space Telescope"

[HAN97.2] Han, C.: 1997, *Astrophys. J.* **484**, 555, "The effects of amplification bias in gravitational microlensing experiments"

[HAN99.5] Han, C.: 1999, *Monthly Notices Roy. Astron. Soc.* **309**, 373, "Analytic relations between the observed gravitational microlensing parameters before and after being affected by blending"

[HAN98.1] Han, C.: 1998, *Astrophys. J.* **500**, 569, "The effect of luminous lens blending in gravitational microlensing experiment"

[HAN99.4] Han, C.: 1999, *Monthly Notices Roy. Astron. Soc.* **308**, 1077, "On the intrinsic bias in detecting caustic crossings between galactic halo and self-lensing events in the Magellanic Clouds"

[HAN01.7] Han, C.: 2001, *Monthly Notices Roy. Astron. Soc.* **325**, 1281, "On the astrometric behavior of binary microlensing events"

[HAN01.4] Han, C.: 2001, *Monthly Notices Roy. Astron. Soc.* **328**, 611-615, "The effect of a binary source companion on the astrometric microlensing behavior"

[HAN02.1] Han, C.: 2002, *Astrophys. J.* **564**, 1015-1018, "Astrometric method for breaking the photometric degeneracy between binary-source and planetary microlensing perturbations"

[HAN00.8] Han, C.: 2000, *Monthly Notices Roy. Astron. Soc.* **312**, 807-812, "On the baseline flux determination of microlensing events detectable with the difference image analysis method"

[HAN98.5] Han, C., Chang, K.: 1998, *Monthly Notices Roy. Astron. Soc.* **299**, 1040, "An inventory of gravitational microlenses toward the Galactic bulge"

[HAN99.1] Han, C., Chang, K.: 1999, *Monthly Notices Roy. Astron. Soc.* **304**, 845, "The applicability of the astrometric method for determining the physical parameters of gravitational microlenses"

[HAN03.1] Han, C., Chang, H.-Y.: 2003, *Monthly Notices Roy. Astron. Soc.* **338 (3)**, 637-642, "Direct lens imaging of Galactic bulge microlensing events"

[HAN01.5] Han, C., Chang, H.-Y., An, J.H., Chang, K.: 2001, *Monthly Notices Roy. Astron. Soc.* **328**, 986-992, "Properties of microlensing light curve anomalies induced by multiple planets"

[HAN99.7] Han, C., Chun, M.-S., Chang, K.: 1999, *Astrophys. J.* **526**, 405, "Astrometric properties of gravitational binary-microlens events and their applications"

[HAN95.2] Han, C., Gould, A.: 1995, *Astrophys. J.* **447**, 53, "The mass spectrum of MACHOs from parallax measurements"

[HAN95.5] Han, C., Gould, A.: 1995, *Astrophys. J.* **449**, 521, "Statistics of microlensing optical depth"

[HAN96.1] Han, C., Gould, A.: 1996, *Astrophys. J.* **461**, 587, "Revisit the galactic halo by pixel lensing"

[HAN96.4] Han, C., Gould, A.: 1996, *Astrophys. J.* **467**, 540, "Statistical determination of the MACHO mass spectrum"

[HAN96.5] Han, C., Gould, A.: 1996, *Astrophys. J.* **473**, 230, "Galactic versus extragalactic pixel lensing events toward M31"

[HAN97.1] Han, C., Gould, A.: 1997, *Astrophys. J.* **480** 196, "Einstein radii from binary-source lensing event"

[HAN03.3] Han, C., Gould, A.: 2003, *Astrophys. J.* **592**, 172-175, "Stellar Contribution to the Galactic Bulge Microlensing Optical Depth"

[HAN02.6] Han, C., Han, W.: 2002, *Astrophys. J.* **580**, 490-493, "On the Feasibility of Detecting Satellites of Extrasolar Planets via Microlensing"

[HAN99.6] Han, C., Jeong, Y.: 1999, *Monthly Notices Roy. Astron. Soc.* **309**, 404, "Identification of bright lenses from the astrometric observations of gravitational microlensing events"

[HAN98.2] Han, C., Jeong, Y.: 1998, *Monthly Notices Roy. Astron. Soc.* **301**, 231, "Where are the binary source gravitational microlensing events? II"

[HAN98.3] Han, C., Jeong, Y., Kim, Ho-Il: 1998, *Astrophys. J.* **507**, 102, "Observational evidence for the effect of amplification bias in gravitational microlensing experiments"

[HAN03.2] Han, C., Kang, Y.W.: 2003, *Astrophys. J.* **596**, 1320-1326, "Probing the Spatial Distribution of Extrasolar Planets with Gravitational Microlensing"

[HAN00.1] Han, C., Kim, H.-I.: 2000, *Astrophys. J.* **528**, 687, "Astrometric parallax measurements of gravitational microlensing events"

[HAN01.2] Han, C., Kim, Y.-G.: 2001, *Astrophys. J.* **546**, 975, "Comparison of the two follow-up observation strategies for gravitational microlensing planet searches"

[HAN99.2] Han, C., Kim, T.-W.: 1999, *Monthly Notices Roy. Astron. Soc.* **305**, 795, "An additional application of the Space Interferometry Mission to gravitational microlensing experiments"

[HAN02.2] Han, C., Lee, C.: 2002, *Monthly Notices Roy. Astron. Soc.* **329**, 163, "Properties of planet-induced deviations in the astrometric microlensing centroid shift trajectory"

[HAN96.2] Han, C., Narayanan, V.K., Gould, A.: 1996, *Astrophys. J.* **461**, 587, "Lunar occultation of MACHOs"

[HAN01.1] Han, C., Park, S.-H.: 2001, *Monthly Notices Roy. Astron. Soc.* **320**, 41, "Color change measurements of gravitational microlensing events by using the difference image analysis method"

[HAN02.3] Han, C., Park, B.-G., Han, W., Kang, Y.W.: 2002, *Astrophys. J.* **569**, 446-450, "Astrometric Detection of Double Gravitational Microlensing Events"

[HAN00.7] Han, C., Park, S.-H., Jeong, J.-H: 2000, *Monthly Notices Roy. Astron. Soc.* **316**, 97, "Chromaticity of gravitational microlensing events"

[HAN00.4] Han, C., Park, S.-H., Kim, H.-I., Chang, K.: 2000, *Monthly Notices Roy. Astron. Soc.* **316**, 665, "Detection of stellar spots from the observations of caustic-crossing binary-lens gravitational microlensing events"

[HAN00.6] Han, C., Park, S.-H., Lee, Y.-S.: 2000, *Monthly Notices Roy. Astron. Soc.* **314**, 59, "Distribution of caustic-crossing intervals for Galactic binary-lens microlensing events"

[HAN95.1] Hanlon, L.O., Hermsen, W., Kippen, R.M., Matz, S.M. et al.: 1995, *Astron. Astrophys.* **296**, L41, "Gravitational lensing origin for a possible gamma-ray burst repeater?"

[HAN00.9] Hansen, B.: 2000, *Nature* **403**, 30 - 31, "Astronomy: A bright future for dark matter"

[HAR00.1] Harari, D., Mollerach, S., Roulet, E.: 2000, *J. High Energy Phys.* **0002**, 035, "Signatures of galactic magnetic lensing upon ultra high energy cosmic rays"

[HAR02.1] Harari, D., Mollerach, S., Roulet, E.: 2002, *J. High Energy Phys. JHEP* **07**, 006, "Astrophysical magnetic field reconstruction and spectroscopy with ultra high energy cosmic rays"

[HAR02.2] Harari, D., Mollerach, S., Roulet, E., Sanchez, F.: 2002, *J. High Energy Phys.* **03**, 045, "Lensing of ultra-high energy cosmic rays in turbulent magnetic fields"

[HAR00.2] Harari, D., Mollerach, S., Roulet, E.: 2000, *J. High Energy Phys.* **10**, 047, "Magnetic lensing of extremely high energy cosmic rays in a galactic wind"

[HAR99.1] Harari, D., Mollerach, S., Roulet, E.: 1999, *J. High Energy Phys.* **08**, 022, "The toes of the ultra high energy cosmic ray spectrum"

[HAR88.1] Harari, D., Polychronakos, A.P.: 1988, *Phys. Rev. D* **38**, 3320-3322, "Gravitational time delay due to a spinning string"

[HAR95.1] Hardy, S.J., Walker, M.A.: 1995, *Monthly Notices Roy. Astron. Soc.* **276**, L79, "Parallax effects in binary microlensing events"

[HAR97.1] Harvanek, M., Stocke, J.T., Morse, J.A., Rhee, G.: 1997, *Astron. J.* **114**, 2240, "High dynamic range VLA observations of the gravitationally lensed quasar 0957+561"

[HAS81.1] Haschick, A.D., Moran, J.M., Reid, M.J., Davis, M., Lilley, A.E.: 1981, *Astrophys. J.* **243**, L57, "VLBI observations of the double quasar 0957+561"

[HAS98.1] Hasinger, G., Giacconi, R., Gunn, J.E., Lehmann, I., Schmidt, M. et al.: 1998, *Astron. Astrophys.* **340**, L27, "The ROSAT Deep Survey IV. A distant lensing cluster of galaxies with a bright arc"

[HAT97.3] Hattori, M., Ikebe, Y., Asaoka, I., Takeshima, T., Bohringer, H., Mihara, T., Neumann, D.M. et al.: 1997, *Nature* **388**, 146 - 148, "A dark cluster of galaxies at redshift $z = 1$"

[HAT99.1] Hattori, M., Kneib, J.-P., Makino, N.: 1999, *Progress of Theoretical Physics. Sup.* **133**, 1-51, "Gravitational lensing in clusters of galaxies"

[HAT98.1] Hattori, M., Matuzawa, K., Morikawa, K., Kneib, J.-P., et al.: 1998, *Astrophys., J.* **503**, 593, "Discovery of X-ray emission from the distant lensing cluster of galaxies CL2236-04 at z = 0.552"

[HAT97.1] Hattori, M., Watanabe, K., Yamashita, K.: 1997, *Astron. Astrophys.* **319**, 764, "Measurement of mass distribution of galaxy clusters using the giant luminous arc statistics with Le Fèvre et al.'s arc survey data"

[HAU99.1] Haugan, S.V.H.: 1999, *Monthly Notices Roy. Astron. Soc.* **303**, 471, "Systematic errors in one-dimensional light-curve convolution for extended sources"

[HAW93.1] Hawkins, M.R.S.: 1993, *Nature* **366**, 242, "Gravitational microlensing, quasar variability and missing matter"

[HAW96.1] Hawkins, M.R.S.: 1996, *Monthly Notices Roy. Astron. Soc.* **278**, L787, "Dark matter from quasar microlensing"

[HAW97.3] Hawkins, M.R.S.: 1997, *Astron. Astrophys., Dec.97* **328**, L25, "Dark galaxies - the dominant population?"

[HAW98.1] Hawkins, M.R.S.: 1998, *Monthly Notices Roy. Astron. Soc.* **296**, L20, "The direct detection of non-baryonic dark matter in the galaxy?"

[HAW98.2] Hawkins, M.R.S.: 1998, *Astron. Astrophys.* **340**, L23, "Caustic crossings in quasar light curves?"

[HAW98.4] Hawkins, M.R.S.: 1998, *New Astronomy Reviews* **42(2)**, 85-88, "Evidence for dark galaxies"

[HAW97.1] Hawkins, M.R.S., Taylor, A.N.: 1997, *Astrophys. J.* **482**, L5, "Quasar variability and gravitational microlensing"

[HAW97.2] Hawkins, M.R.S., Clements, D., Fried, J.W., Heavens, A.F., Véron, P.et al.: 1997, *Monthly Notices Roy. Astron. Soc.* **291**, 811, "The double quasar Q2138-431: lensing by a dark galaxy?"

[HAZ86.1] Hazard, C., McMahon, R.G., Sargent, W.L.W.: 1986, *Nature* **322**, 38, "Spectrum of a QSO with redshift 3.8 found on a UK Schmidt telescope IIIa-F prism plate"

[HEA00.1] Heavens, A., Refregier, A., Heymans, C.: 2000, *Monthly Notices Roy. Astron. Soc.* **319**, 649, "Intrinsic correlation of galaxy shapes: Implications for weak lensing measurements"

[HEC91.1] Heckman, T.M., Lehnert, M.D., van Breugel, W., Miley, G.K.: 1991, *Astrophys. J.* **370**, 78, "Spatially resolved optical images of high-redshift quasi-stellar objects"

[HEF91.1] Heflin, M.B., Gorenstein, M.V., Lawrence, C.R., Burke, B.F.: 1991, *Astrophys. J.* **378**, 519, "First- and second-epoch VLBI observations of the gravitational lens system 2016+112"

[HEG80.1] Hege E.K., Angel, J.R.P., Weymann, R.J., Hubbard, E.N.: 1980, *Nature* **287**, 416, "Morphology of the triple QSO PG 1115+080"

[HEG81.1] Hege, E.K., Hubbard, E.N., Strittmatter, P.A., Worden, S.P.: 1981, *Astrophys. J.* **248**, L1, "Speckle interferometry observations of the triple QSO PG 1115+080"

[HEG86.1] Hegyi, D.J., Olive, K.A.: 1986, *Astrophys. J.* **303**, 56, "A case against baryons in galactic halos"

[HEI99.1] Heidmann, J.: 1999, *Acta Astronautica* **44**, 215-218, "Imaging of extrasolar advanced terrestrial planets"

[HEI88.1] Heisler, J., Ostriker, J.P.: 1988, *Astrophys. J.* **332**, 543, "Models for the quasar population. II. The effects of dust obscuration"

[HEL95.2] Helbig, P.: 1995, *Proc. of the 17th Texas Symp.on "Relativistic Astrophysics and Cosmology", eds. Böringer, H., Morfill, G.E., Trümper, J.E., Annals of the New York Academy of Sciences* **759**, 600, "Cosmological parameters and gravitational lensing statistics"

[HEL98.1] Helbig, P.: 1998, *Monthly Notices Roy. Astron. Soc.* **298**, 395, "The $\delta\theta - z_s$ relation for gravitational lenses as a cosmological test"

[HEL96.1] Helbig, P., Kayser, R.: 1996, *Astron. Astrophys.* **308**, 359, "Cosmological parameters and the redshift distribution of gravitational lenses"

[HEL99.1] Helbig, P., Marlow, D.R., Quast, R., Wilkinson, P.N., Browne, W.A., Koopmans, L.V.E.: 1999, *Astron. Astrophys. Supp.* **136**, 297, "Gravitational lensing statistics with extragalactic surveys. II. Analysis of the Jodrell Bank-VLA Astrometric Survey"

[HEL99.2] Helbig, P.: 1999, *Astron. Astrophys.* **350**, 1, "Gravitational lensing statistics with extragalactic surveys. III. Joint constraints on Λ_0 and Ω_0 from lensing statistics and the m-z relation for type Ia supernovae"

[HEN95.1] Henriksen, R.N., Widrow, L.M.: 1995, *Astrophys. J.* **441**, 70, "Hydrogen clouds and the MACHO EROS events"

[HEN86.1] Henry, J.P., Heasley, J.N.: 1986, *Nature* **321**, 139, "High-resolution imaging from Mauna Kea: the triple quasar in 0.3-arcsec seeing"

[HEN93.1] Henry, J.P., Briel, U.G., Nulsen, P.E.J.: 1993, *Astron. Astrophys.* **271**, 413, "The distribution of dark matter in the A2256 cluster"

[HEN94.2] Henstock, D.R., Wilkinson, P.N., Brown, I.W.A., Taylor, G.B., Readhead, A. et al.: 1994, *2nd EVN/JIVE Symposium in Torun, Poland, October 1994*, p.79, "A global VLBI search for milli-lenses"

[HER78.1] Herlt, E., Stephani, H.: 1978, *Int. J. Theor. Phys.* **17**, 189, "Wave optics of the spherical gravitational lens. II - Diffraction of a plane electromagnetic wave by a black hole"

[HEW91.1] Hewett, P.: 1991, *Nature* **349**, 651, "Light hidden behind a bushel"

[HEW92.1] Hewett, P.C.: 1992, *Contemp.Phys.* **33**, 81, "Gravitational lensing as a new cosmological tool"

[HEW93.1] Hewett, P.C., Foltz, C.B., Chaffee, F.H.: 1993, *Astrophys. J.* **406**, L43, "The evolution of bright optically-selected QSOs"

[HEW98.1] Hewett, P.C., Foltz, C.B., Harding, M.E., Lewis, G.F.: 1998, *Astron. J.* **115**, 383, "Two close-separation quasar-quasar pairs in the large bright quasar survey"

[HEW94.1] Hewett, P.C., Irwin, M.J., Foltz, C.B., Harding, M.E., Corrigan, R.T. et al.: 1994, *Astron. J.* **108**, 1534, "The close-separation gravitational lens candidate Q1009-0252"

[HEW89.1] Hewett, P.C., Webster, R.L., Harding, M.E., Jedrzejewski, R.I., Foltz, C.B., Chaffee, F.H., Irwin, M.J., Le Fèvre, O.: 1989, *Astrophys. J.* **346**, L61, "A new wide-separation gravitational lens candidate"

[HEW97.1] Hewett, P., Warren, S.: 1997, *Science* **275**, 626, "Microlensing sheds light on dark matter"

[HEW80.1] Hewitt, A., Burbidge, G.: 1980, *Astrophys. J. Suppl.* **43**, 57, "A revised catalog of quasi stellar objects"

[HEW89.2] Hewitt, J.N.: 1989, *Cosmic Strings: the Current Status, (eds. Kraus), Yale Cosmic String Workshop*, p.156, "Gravitational lens observations: individual case studies and a survey"

[HEW93.2] Hewitt, J.N.: 1993, *Texas Symposium 16, Dec. 1992*, p.250, "Gravitational Lenses"

[HEW95.1] Hewitt, J.N., Chen, G.H., Messier, M.D.: 1995, *Astron. J.* **109**, 1956, "Variability in the Einstein ring gravitational lens MG1131+0456"

[HEW90.1] Hewitt, J.N., Perley, R.A., Turner, E.L., Hu, E.M.: 1990, *Astrophys. J.* **356**, 57, "Radio observations of a candidate cosmic string gravitational lens"

[HEW87.2] Hewitt, J., Turner, E.L., Burke, B.F., Lawrence, C.R., Bennett, C.L., Langston, G.I., Gunn, J.E.: 1987, *IAU Symposium, Observational Cosmology* **124**, 747, "A VLA gravitational lens survey"

[HEW92.2] Hewitt, J.N., Turner, E.L., Lawrence, C.R., Schneider, D.P., Brody, J.P.: 1992, *Astron. J.* **104**, 968, "A gravitational lens candidate with an unusually red optical counterpart"

[HEW87.1] Hewitt, J.N., Turner, E.L., Lawrence, C.R., Schneider, D.P., Gunn, J.E., Bennett, C.L., Burke, B.F., Mahoney, J.H., Langston, G.I., Schmidt, M., Oke, J.B., Hoessel, J.G.: 1987, *Astrophys. J.* **321**, 706, "The triple radio source 0023+171: a candidate for a dark gravitational lens"

[HEW88.1] Hewitt, J.N., Turner, E.L., Schneider, D.P., Burke, B.F., Langston, G.I., Lawrence, C.R.: 1988, *Nature* **333**, 537, "The unusual radio source MG 1131+0456: a possible Einstein ring"

[HEY03.1] Heyrovskỳ, D.: 2003, *Astrophys. J.* **594**, 464-482, "Measuring Stellar Limb Darkening by Gravitational Microlensing"

[HEY97.1] Heyrovskỳ, D., Loeb, A.: 1997, *Astrophys. J.* **490**, 38, "Microlensing of an elliptical source by a point mass"

[HEY00.2] Heyrovskỳ, D., Sasselov, D.: 2000, *Astrophys. J.* **529**, 69, "Detecting stellar spots by gravitational microlensing"

[HEY00.1] Heyrovskỳ, D., Sasselov, D., Loeb, A.: 2000, *Astrophys. J.* **543**, 406, "Probing red giant atmospheres with gravitational microlensing"

[HIC98.1] Hickson, P.: 1998, *Publ. Astron. Soc. Pac.* **110**, 186, "A technique for photometric detection and measurement of unresolved binary systems"

[HIG81.1] Higbie, J.: 1981, *American J. Phys.* **49**, 652, "Gravitational lens"

[HIL93.1] Hill, G.J., Thompson, K.L., Elston, R.: 1993, *Astrophys. J.* **414**, L1, "Optical lines in high-redshift quasi-stellar objects: Balmer lines, [OIII], and FeII"

[HIL86.1] Hills, J.G.: 1986, *Astron. J.* **92**, 595, "Limitations on the masses of objects constituting the missing mass in the galactic disk and the galactic halo"

[HIN90.1] Hindmarsh, M., Wray, A.: 1990, *Phys. Let. B* **251**, 498, "Gravitational effects of line sources and the zero-width limit"

[HIN91.1] Hindmarsh, M., Wray, A.: 1991, *Mod. Phys. Let. A* **6**, 1249, "Gravitational lensing by global strings"

[HIN87.1] Hinshaw, G., Krauss, L.M.: 1987, *Astrophys. J.* **320**, 468, "Gravitational lensing by isothermal spheres with finite core radii: galaxies and dark matter"

[HIN90.2] Hintzen, P., Maran, S.P., Michalitsianos, A.G., Foltz, C.B., Chaffee, F.H., Kafatos, M.: 1990, *Astron. J.* **99**, 45, "Moderate-resolution spectroscopy of the lensed quasar 2237 + 0305: a search for Ca II absorption due to the interstellar medium in the foreground lensing galaxy"

[HIN91.2] Hintzen, P., Romanishin, W., Valdes, F.: 1991, *Astron. Astrophys.* **366**, 7, "Galaxies clustering around QSOs with z=0.9-1.5 and the origin of blue field galaxies"

[HIR03.1] Hirata, C., Seljak, U.: 2003, *Monthly Notices Roy. Astron. Soc.* **343**, 459-480, "Shear calibration biases in weak-lensing surveys"

[HIS98.1] Hiscock, W.A.: 1998, *Astrophys. J.* **509**, L101, "Low-frequency gravitational waves from black hole MACHO binaries"

[HJO02.1] Hjörth, J., Burud, I., Jaunsen, A.O., Schechter, P.L., Kneib, J.-P. et al.: 2002, *Astrophys. J.* **572**, L11-L14, "The Time Delay of the Quadruple Quasar RX J0911.4+0551"

[HJO95.1] Hjörth, J., Grundahl, F., Nilsson, K., Festin, L.: 1995, *Astron. Astrophys.* **299**, 365, "High-resolution imaging of the gravitational lens candidate 1208+1011 with the Nordic Optical Telescope"

[HJO92.1] Hjörth, J., Jensen, F.G.: 1992, *NOT News* **6**, 31, "Achieving HST angular resolution with the NOT"

[HJO98.2] Hjörth, J., Oukbir, J., van Kampen, E.: 1998, *Monthly Notices Roy. Astron. Soc.* **298**, L1, "The mass-temperature relation for clusters of galaxies"

[HJO92.2] Hjörth, P.G., Villemoes, L.F., Teuber, J., Florentin-Nielsen, R.: 1992, *Astron. Astrophys.* **255**, L20, "Wavelet analysis of "double quasar" flux data"

[HOG95.1] Høgan, E., Novikov, I.D., Polnarev,, A.G.: 1995, *Astron.Astrophys.* **294**, 411, "MACHO photometry and astrometry"

[HOA81.1] Hoag, A.: 1981, *Bull. Am. Astr. Soc.* **13**, 799, "A feature in the galaxy cluster Zw 0237.2-0146"

[HOE01.2] Hoekstra, H.: 2001, *Astron. Astrophys.* **370**, 743, "The effect of distant large scale structure on weak lensing mass estimates"

[HOE98.1] Hoekstra, H., Franx, M., Kuijken, K., Squires, G.: 1998, *Astrophys. J.* **504**, 636, "Weak lensing analysis of Cl 1358+62 using Hubble Space Telescope observations"

[HOE00.1] Hoekstra, H., Franx, M., Kuijken, K.: 2000, *Astrophys. J.* **532**, 88, "Hubble Space Telescope weak lensing study of the z=0.83 cluster MS 1054-03"

[HOE01.1] Hoekstra, H., Franx, M., Kuijken, K., Carlberg, R.G., Yee, H.K.C. et al.: 2001, *Astrophys. J.* **548**, L5, "Weak-lensing study of low-mass galaxy groups: implications for Ω_m"

[HOE02.2] Hoekstra, H., Franx, M., Kuijken K., van Dokkum, P.G.: 2002, *Monthly Notices Roy. Astron. Soc.* **333 (4)**, 911-922, "HST large-field weak lensing analysis of MS 205304: study of the mass distribution and mass-to-light ratio of X-ray luminous clusters at 0.22¡z¡0.83"

[HOE03.1] Hoekstra, H., Franx, M., Kuijken, K., Carlberg, R.G., Yee, H.K.C.: 2003, *Monthly Notices Roy. Astron. Soc.* **340**, 609-622, "Lensing by galaxies in

CNOC2 fields"
[HOE02.3] Hoekstra, H., van Waerbeke, L., Gladders, M.D.Ya, Mellier, Y., Yee, H.K.C.: 2002, *Astrophys. J.* **577**, 604-614, "Weak lensing study of galaxy biasing"
[HOE01.3] Hoekstra, H., Yee, H.K.C., Gladders, M.D.: 2001, *Astrophys. J.* **558**, L11, "Measurement of the bias parameter from weak lensing"
[HOG99.1] Hogan, C.J.: 1999, *Astrophys. J.* **527**, 42, "Gravitational lensing by cold dark matter catastrophes"
[HOG84.1] Hogan, C.J., Narayan, R.: 1984, *Monthly Notices Roy. Astron. Soc.* **211**, 575, "Gravitational lensing by cosmic strings"
[HOG89.1] Hogan, C.J., Narayan, R., White, S.D.M.: 1989, *Nature* **339**, 106, "Quasar lensing by galaxies"
[HOG84.2] Hogan, C.J., Rees, M.J.: 1984, *Nature* **311**, 109, "Gravitational interactions of cosmic strings"
[HOG93.1] Hogan, C.J.: 1993, *Nature* **365**, 602, "In search of the halo grail"
[HOG94.1] Hogg, D.W., Blandford, R.D.: 1994, *Monthly Notices Roy. Astron. Soc.* **268**, 889, "The gravitational lens system B1422+231: dark matter, superluminal expansion and the Hubble constant"
[HOG96.1] Hogg, D.W., Blandford, R., Kundic, T., Fassnacht, C.D., Malhotra, S.: 1996, *Astrophys. J.* **467**, L73, "A candidate gravitational lens in the Hubble Deep Field"
[HOL01.1] Holden, B.P., Stanford, S. A., Rosati, P., Squires, G., Tozzi, P. et al.: 2001, *Astron. J.* **122**, 629, "RX J0848+4456: disentangling a moderate redshift cluster"
[HOL96.1] Holder, G.P., Widrow, L.M.: 1996, *Astrophys. J.* **473**, 828, "Microlensing by a prolate all-MACHO halo"
[HOL03.1] Holder, G.P., Schechter, P.L.: 2003, *Astrophys. J.* **589**, 688-692, "External Shear in Quadruply Imaged Lens Systems"
[HOL98.3] Holz, D.E.: 1998, *Astrophys. J.* **506**, L1, "Lensing and high-z supernova surveys"
[HOL99.2] Holz, D.E.: 1999, *Nature* **400**, 819, "Cosmology: Shedding light on dark matter"
[HOL99.1] Holz, D.E., Miller, M.C., Quashnock, J.M.: 1999, *Astrophys. J.* **510**, 54, "Gravitational lensing limits on the average redshift of gamma-ray bursts"
[HOL01.2] Holz, D.E.: 2001, *Astrophys. J.* **556**, L71, "Seeing Double: Strong gravitational lensing of high-redshift supernovae"
[HOL96.2] Holz, D.E., Wald, R.M.: 1996, *Astrophys. J.* **471**, 64, "Photon statistics limits for earth-based parallax measurements of MACHO events"
[HOL98.1] Holz, D.E., Wald, R.M.: 1998, *Phys. Rev. D* **58**, 063501, "New method for determining cumulative gravitational lensing effects in inhomogeneous universes"
[HOL02.1] Holz, D.E., Wheeler, J.A.: 2002, *Astrophys. J.* **578**, 330-334, "Retro-MACHOs: Pi in the sky?"
[HON98.1] Honma, M.: 1998, *Astrophys. J.* **511**, L29, "Caustic crossing microlensing event by binary MACHOs and time scale bias"

[HON99.1] Honma, M.: 1999, *Astrophys. J.* **517**, L35, "MACHO mass determination based on Space Telescope Observation"

[HON01.1] Honma, M.: 2001, *Publ. Astron. Soc. Japan* **53**, 233-241, "Detecting Galactic MACHOs with VERA through Astrometric Microlensing of Distant Radio Sources"

[HON98.2] Honma, M., Kan-Ya, Y.: 1998, *Astrophys. J.* **503**, L139, "Declining rotation curve and brown dwarf MACHOs"

[HON02.1] Honma, M., Kurayama, T.: 2002, *Astrophys. J.* **568**, 717-725, "Astrometric Microlensing of Distant Sources due to the Stars in the Galaxy"

[HOR96.1] Horvath, J.E.: 1996, *Monthly Notices Royal Astron.Soc.* **278**, L46, "Possible determination of isolated pulsar masses with gravitational microlensing"

[HOS02.1] Hosokawa, M., Jauncey, D., Reynolds, J., Tzioumis, A., Ohnishi, K., Fukushima, T.: 2002, *Astrophys. J.* **580**, L43-L46, "Possible Fluctuation of the Position of Sagittarius A* Relative to Extragalactic Radio Sources"

[HOS93.1] Hosokawa, M., Ohnishi, K., Fukushima, T., Takeuti, M.: 1993, *Astron. Astrophys.* **278**, L27, "Parallactic variation of gravitational lensing and measurement of stellar mass"

[HOS97.1] Hosokawa, M., Ohnishi, K., Fukushima, T.: 1997, *Astron. J.* **114**, 1508, "Fluctuation of extragalactic reference frame due to gravitational lensing in our galaxy"

[HOS99.1] Hosokawa, M., Ohnishi, K., Fukushima, T.: 1999, *Astron. Astrophys.* **351**, 393, "Uncertainty of pulsar time scale due to the gravitational time delay of intervening stars and MACHOs"

[HOU94.1] Houde, M., Racine, R.: 1994, *Astron. J.* **107**, 466, "Image restoration and photometric monitoring of the gravitational lens Q2237+0305"

[HUB97.1] Hubbard, W.B.: 1997, *Science* **278**, 403, "Lensing by Triton's atmosphere"

[HUC86.1] Huchra, J.P.: 1986, *Nature* **323**, 784, "Is 1146+111 B, C a lensed quasar or a quasar pair?"

[HUC85.1] Huchra, J., Gorenstein, M., Kent, S., Shapiro, I., Smith, G. et al.: 1985, *Astron. J.* **90**, 691, "2237+0305: A new and unusual gravitational lens"

[HUD98.1] Hudson, M.J., Gwyn, S.D.J., Dahle, H., Kaiser, N.: 1998, *Astrophys. J.* **503**, 531, "Galaxy-galaxy lensing in the Hubble Deep Field: The halo Tully-Fisher relation at intermediate redshift"

[HUN01.1] Hunter, C., Evans, N.W.: 2001, *Astrophys. J.* **554**, 1227, "Lensing properties of scale-free galaxies"

[HUI99.1] Hui, L.: 1999, *Astrophys. J.* **519**, L9, "Weighing the cosmological energy contents with weak gravitational lensing"

[HUI02.1] Hui, L., Seager, S.: 2002, *Astrophys. J.* **572**, 540-555, "Atmospheric lensing and oblateness effects during an extrasolar planetary transit"

[HUR98.1] Hurwitz, M., Appenzeller, I., Barnstedt, J., Bowyer, S., Van Dyke Dixon, W. et al.: 1998, *Astrophys. J.* **500**, L61, "ORFEUS II far-ultraviolet observations of 3C 273: Interstellar and intergalactic absorption lines"

[HUT90.1] Hutchings, J.B.: 1990, *Pub. Astron. Soc. Pacific* **102**, 431, "Distant QSOs behind foreground clusters of galaxies"

[HUT95.1] Hutchings, J.B.: 1995, *Astron. J.* **109**, 928, "Galaxy companions to QSOs at z=2.3"

[HUT03.1] Huterer, D., Vachaspati, T.: 2003, *Phys. Rev. D* **68**, 041301, "Gravitational Lensing by Cosmic Strings in the Era of Wide-Field Surveys"

[HUT93.1] Hutsemékers, D.: 1993, *Astron. Astrophys.* **280**, 435, "Selective gravitational microlensing and line profile variations in the BAL quasar H1413+117"

[HUT98.1] Hutsemékers, D., Lamy, H., Remy, M.: 1998, *Astron. Astrophys.* **340**, 371, "Polarization properties of a sample of broad absorption line and gravitationally lensed quasars"

[HUT94.1] Hutsemékers, D., Surdej, J., Van Drom, E.: 1994, *Proc. Astrophys. Space Science, Manchester, 1993* **216**, 361, "The use of gravitational lensing to scan the structure of BAL QSOs"

[HU 90.1] Hu, E.M.: 1990, *Astrophys. J.* **360**, L7, "Investigation of a candidate string-lensing field"

[HU 99.2] Hu, W.: 1999, *Astrophys. J.* **522**, L21, "Power spectrum tomography with weak lensing"

[HU 01.2] Hu, W.: 2001, *Astrophys. J.* **557**, L79, "Mapping the dark matter through the cosmic microwave background damping tail"

[HU 00.1] Hu, W.: 2000, *Phys.Rev. D* **62**, 043007, "Weak lensing of the CMB: a harmonic approach"

[HU 01.1] Hu, W.: 2001, *Phys. Rev. D* **64**, 083005, "Angular trispectrum of the cosmic microwave background"

[HU 02.1] Hu, W.: 2002, *Phys. Rev. D* **66**, 083515, "Dark energy and matter evolution from lensing tomography"

[HU 01.4] Hu, W., Cooray, A.: 2001, *Phys. Rev. D* **63**, 023504, "Gravitational time delay effects on CMB anisotropies"

[HU 99.1] Hu, W., Tegmark, M.: 1999, *Astrophys. J.* **514**, L65, "Weak lensing: prospects for measuring cosmological parameters"

[HU 01.3] Hu, W., White, M.: 2001, *Astrophys. J.* **554**, 67, "Power spectra estimation for weak lensing"

[IBA83.1] Ibanez, J.: 1983, *Astron. Astrophys.* **124**, 175, "Gravitational lenses with angular momentum"

[IBA99.1] Ibata, R.A., Lewis, G.F., Irwin, M.J., Lehár, J., Totten, E.J.: 1999, *Astron. J. 118,* **1922**, "NICMOS and VLA observations of the gravitatonally lensed ultraluminous BAL quasar APM 08279+5255: Detection of a third image"

[ICK79.1] Icke, V.: 1979, *New Scientist, 20/27 Dec.*, p.928, "Bending Saturn's rings"

[ICK80.1] Icke, V.: 1980, *Am. J. Phys.* **48**, 883, "Construction of a gravitational lens"

[IGN99.1] Ignace, R., Hendry, M.A.: 1999, *Astron. Astrophys.* **341**, 201, "Microlensing of circumstellar envelopes I. Simplified considerations for diagnosing radial and azimuthal flow"

[IKE91.1] Ikeuchi, S., Turner, E.L.: 1991, *Astrophys. J.* **375**, 499, "Gravitational lensing and the Lyman-α forest"

[IM 97.1] Im M., Griffiths, R.E., Ratnatunga, K.U.: 1997, *Astrophys. J.* **475**, 457, "A measurement of the cosmological constant using elliptical galaxies as strong gravitational lenses"

[IMP96.1] Impey, C.D., Foltz, C.B., Petry, C.E., Browne, I.W.A., Patnaik, A.R.: 1996, *Astrophys. J.* **462**, L53, "Hubble Space Telescope observations of the gravitational lens system B1422+231"

[IMP02.1] Impey, C.D., Petry, C.E.: 2002, *Astrophys. J.* **574**, 623-633, "LBQS 0015+0239: A Binary Quasar with Small Angular Separation"

[INA03.1] Inada, N., Becker, R.H., Burles, S., Castander, F.J., Eisenstein, D. et al.: 2003, *Astron. J.* **126**, 666-674, "SDSS J092455.87+021924.9: an Interesting Gravitationally Lensed Quasar from the Sloan Digital Sky Survey"

[INF94.1] Infante, L., Fouque, P., Hertling, G., Way, M.J., Giraud, E., Quintana, H.: 1994, *Astron. Astrophys.* **289**, 381, "The medium redshift clusters CL0017-20 and CL0500-24"

[INF91.1] Infante, L., Giraud, E., Triay, R.: 1991, *The Messenger* **64**, 65, "A new arc candidate in a compact cluster"

[ING80.1] Ingel, L.K.: 1980, *Astrofizika* **16**, 535, "On the illusion of superluminal velocities created by gravitational lenses"

[INO03.1] Inoue, K.T., Chiba, M.: 2003, *Astrophys. J.* **591**, L83-L86, "Direct Mapping of Massive Compact Objects in Extragalactic Dark Halos"

[IOK01.1] Ioka, K., Nakamura, T.: 2001, *Astrophys. J.* **561**, 703, "Microlensing of collimated Gamma-Ray Burst afterglows"

[IOK99.1] Ioka, K., Nishi, R., Kan-ya, Y.: 1999, *Prog. Theor. Phys.* **102 No. 5**, 983-1000, "Kepler rotation effects on the binary-lens microlensing events"

[IOA03.1] Iovane, G., Capozziello, S., Longo, G.: 2003, *New Astron.* **8**, 325-335, "MEDEA: a real time imaging pipeline for pixel lensing"

[IOV86.1] Iovino, A., Shaver, P.A.: 1986, *Astron. Astrophys.* **166**, 119, "Gravitational lensing in the QSO pair Q1548+114 A, B"

[IRG02.1] Irgens, R.J., Lilje, P.B., Dahle, H., Maddox, S.J.: 2002, *Astrophys. J.* **579**, 227-235, "Weak Gravitational Lensing by a Sample of X-Ray Luminous Clusters of Galaxies – II. Comparison with Virial Masses"

[IRI02.1] Irion, R.: 2002, *Science* **296**, 2317-2319, "Cosmic Lenses May Be Magnifying Quasars"

[IRI03.1] Irion, R.: 2003, *Science* **299**, 500, "Through a Lens, Deeply"

[IRW98.1] Irwin, M.J., Ibata, R.A., Lewis, G.F., Totten, E.J.: 1998, *Astrophys. J.* **505**, 529, "APM 08279+5255: an ultraluminous broad absorption line quasar at a redshift z=3.87"

[IRW89.1] Irwin, M.J., Webster, R.L., Hewett, P.C., Corrigan, R.T., Jedrzejewski, R.I.: 1989, *Astron. J.* **98**, 1989, "Photometric variations in the Q 2237+0305 system: first detection of a microlensing event"

[ISA89.1] Isaacson, J.A., Canizares, C.R.: 1989, *Astrophys. J.* **336**, 544, "Probabilities for gravitational lensing by point masses in a locally inhomogeneous universe"

[ISH88.1] Ishihara, H., Takahashi, M., Tomimatsu, A.: 1988, *Phys. Rev. D* **38**, 472-477, "Gravitational Faraday rotation induced by a Kerr black hole"

[IVI00.1] Ivison, R., Smail, I., Barger, A., Kneib, J.-P., Blain, A. et al.: 2000, *Monthly Notices Roy. Astron. Soc.* **315 (2)**, 209-222, "The diversity of SCUBA-selected galaxies"

[IWA99.1] Iwasawa, K., Allen, S.W., Fabian, A.C. Edge, A.C., Ettori, S.: 1999, *Monthly Not. Roy. Astron. Soc.* **306**, 467, "X-ray and lensing results on the cluster around the powerful radio galaxy 4C+55.16"

[JAC84.1] Jackson, A.A.: 1984, *Am. J. Phys.* **52**, 372, "Note on intensity gain by a gravitational lens"

[JAC96.1] Jackson, J.C., Dodgson, M.: 1996, *Monthly Notices Roy. Astron. Soc.* **278**, 603, "On universes with outsides and the angular-size/redshift diagram for miliarcsecond radio-sources"

[JAC95.1] Jackson, N., De Bruyn, A.G., Myers, S., Bremer, M.N. et al.: 1995, *Monthly Notices Roy. Astron. Soc.* **274**, L25, "1600+434: a new gravitational lens system"

[JAC98.3] Jackson, N., Helbig, P., Browne, I.: 1998, *New Astron. Rev.* **42**, 97, "Light on dark lenses"

[JAC98.2] Jackson, N., Helbig, P., Browne, I, Fassnacht, C.D., Koopmans, L. et al.: 1998, *Astron. Astrophys.* **334**, L33, "Lensing galaxies: light or dark?"

[JAC98.1] Jackson, N., Nair, S., Browne, I.W.A., Wilkinson, P.N., Muxlov, T.W.B. et al.: 1998, *Monthly Notices Roy. Astron. Soc.* **296**, 483, " B0712+472: a new radio four-image gravitational lens"

[JAC00.1] Jackson, N.J., Xanthopoulos, E., Browne, I.W.A.: 2000, *Monthly Notices Roy. Astron. Soc.* **311**, 389, "NICMOS images of JVAS/CLASS gravitational lens systems"

[JAC92.1] Jacoby, G.J., Branch, D., Ciardullo, R., Davies, R.L., Harris, W.E. et al.: 1992, *Publ. Astron. Soc. Pac.* **104**, 599, "A critical review of selected techniques for measuring extragalactic distances"

[JAI02.1] Jain, B.: 2002, *Astrophysical Journal* **580**, L3-L6, "Magnification Effects as Measures of Large-Scale Structure"

[JAI98.1] Jain, D., Panchapakesan, N., Mahajan, S., Bhatia, V.B.: 1998, *Int. J. Mod. Phys. A* **13**, 4227, "Constraint on the cosmological constant from gravitational lenses in an evolutionary model of galaxies"

[JAI00.2] Jain, D., Panchapakesan, N., Mahajan, S., Bhatia, V.B.: 2000, *Modern Phys. Let. A* **15**, 41, "Constraints on galaxy evolution through gravitational lensing statistics"

[JAI99.4] Jain, D., Panchapakesan, N., Mahajan, S., Bhatia, V.B.: 1999, *Int. Journal of Modern Phys. D* **8, No.4**, 507-517, "Gravitational Lensing Bound on the Average Redshift of Gamma Ray Bursts in Models with Evolving Lenses"

[JAI97.1] Jain, B., Seljak, U.: 1997, *Astrophys. J.* **484**, 560, "Cosmological model predictions for weak lensing: linear and nonlinear regimes"

[JAI00.3] Jain, B., Seljak, U., White, S.: 2000, *Astrophys. J.* **530**, 547, "Ray tracing-simulations of weak lensing by large-scale structure"

[JAI00.1] Jain, B., Van Waerbeke, L.: 2000, *Astrophys. J.* **530**, L1, "Statistics of dark matter halos from gravitational lensing"

[JAR89.1] Jaroszyński, M.: 1989, *Acta Astron.* **39**, 301, "Multi-plane gravitational lensing by isothermal spheres"

[JAR91.1] Jaroszyński, M.: 1991, *Monthly Notices Roy. Astron. Soc.* **249**, 430, "Gravitational lensing in a universe model with realistic mass distribution"

[JAR92.1] Jaroszyński, M.: 1992, *Monthly Notices Roy. Astron. Soc.* **255**, 655, "Gravitational lensing in a universe model with realistic mass distribution II. Results"

[JAR99.1] Jaroszyński, M.: 1999, *Acta Astronomica* **48**, 413, "Gravitational lensing and proper motions of stars surrounding the galactic center"

[JAR01.1] Jaroszyński, M., Mao, S.: 2001, *Monthly Notices Roy. Astron. Soc.* **325**, 1546, "Predicting the second caustic crossing in binary microlensing events"

[JAR94.1] Jaroszyński, M., Marck, J.A.: 1994, *Astron. Astrophys.* **291**, 731, "Microlensing of optically thin clouds in active galactic nuclei"

[JAR95.1] Jaroszyński, M., Paczyński, B.: 1995, *Astrophys. J.* **455**, 443, "Diffraction effects in microlensing of Q2237+0305"

[JAR90.1] Jaroszyński, M., Park, C., Paczyński, B., Gott, J.R.: 1990, *Astrophys. J.* **365**, 22, "Weak gravitational lensing due to large-scale structure of the universe"

[JAR92.2] Jaroszyński, M., Wambsganss, J., Paczyński, B.: 1992, *Astrophys. J.* **396**, L65, "Microlensed light curves for thin accretion disks around Schwarzschild and Kerr black holes"

[JAR97.1] Jaroszyński, M., Paczyński, B.: 1997, *Acta Astron.* **46**, 361, "Global energy conservation in gravitational lensing"

[JAR03.1] Jarvis, M., Bernstein,M., Fischer, P., Smith, D., Jain, B., Tyson, J.A., Wittman, D.: 2003, *Astron. J.* **125**, 1014-1032, "Weak-lensing results from the 75 square degree Cerro-Tololo inter-american observatory survey"

[JAU93.1] Jauncey, D.L. and the SHEVE team: 1993, *Proc. Sub-Arcsecond Radio Astronomy, 1992, Manchester*, p.134, "Southern hemisphere observations of PKS1830-211"

[JAU91.1] Jauncey, D.L., Reynolds, J.E., Tzioumis, A.K., Muxlow, T.W.B., Perley, R.A. et al.: 1991, *Nature* **352**, 132, "An unusually strong Einstein ring in the radio source PKS1830-211"

[JAU95.1] Jaunsen, A.O., Jablonski, M., Pettersen, B.R., Stabell, R.: 1995, *Astron. Astrophys.* **300**, 323, "The NOT GL survey for multiply imaged quasars"

[JAU97.1] Jaunsen, A.O., Hjörth, J.: 1997, *Astron. Astrophys.* **317**, L39, "Detection of a spiral lens galaxy and optical variability in the gravitational lens system B1600+434"

[JEA98.1] Jean, C., Surdej, J.: 1998, *Astron. Astrophys.* **339**, 729, "Redshift estimate of a gravitational lens from the observed reddening of a multiply imaged quasar"

[JEO99.1] Jeong, Y., Han, C., Park, S.-H.: 1999, *Astrophys. J.* **511**, 569, "The effect of bright lenses on the astrometric observations of gravitational microlensing events"

[JET93.1] Jetzer, P.: 1993, *Class. Quantum Grav. Sup.* **10**, S231, "Halo dark matter detection through gravitational lensing"

[JET94.1] Jetzer, P.: 1994, *Astron. Astrophys* **286**, 426, "Gravitational microlensing by the halo of the Andromeda galaxy"

[JET94.2] Jetzer, P.: 1994, *Proc. of the Workshop "The dark side of the universe...", 1993, Roma*, p.51, "Gravitational microlensing: A method for detecting halo dark matter"

[JET94.3] Jetzer, P.: 1994, *Astrophys. J.* **432**, L43, "On the mass of the dark compact objects in the galactic disk" (Erratum: 1995, *Astrophys. J.* **438**, L49)

[JET02.1] Jetzer, P.H., Mancini, L., Scarpetta, G.: 2002, *Astron. Astrophys.* **393**, 129-147, "Microlensing towards the Large Magellanic Cloud"

[JET98.1] Jetzer, P., Strässle, P., Wandeler, U.: 1998, *Astron Astrophys.* **336**, 411, "Gravitational microlensing by globular clusters"

[JIM97.1] Jimenez, R., Heavens, A.F., Hawkins, M.R.S., Padoan, P.: 1997, *Monthly Notices Roy. Astron. Soc.* **292**, L5, "Dark galaxies, spin bias and gravitational lenses"

[JIN03.1] Jin, C., Garrett, M.A., Nair, S., Porcas, R.W., Patnaik, A.R., Nan, R.: 2003, *Monthly Notices Roy. Astron. Soc.* **340 (4)**, 1309-1316, "Changes in the measured image separation of the gravitational lens system, PKS 1830-211"

[JIN99.1] Jin, C., Garrett, M.A., Nair, S., Porcas, R.W., Patnaik, A.R.: 1999, *New Astronomy Rev.* **43**, 767, "Changes in the angular separation of the lensed images PKS 1830-211 NE and SW"

[JIN02.1] Jing, Y.P., Suto, Y.: 2002, *Astrophys. J.* **574**, 538-553, "Triaxial Modeling of Halo Density Profiles with High-resolution N-body Simulations"

[JOF00.1] Joffre, M., Fischer, P., Frieman, J., McKay, T., Mohr, J.J. et al.: 2000, *Astrophys. J.* **534**, L131, "Weak gravitational lensing by the nearby Cluster Abell 3667"

[JON03.1] Jones, B.W.: 2003, *Astronomy and Geophysics* **44 (2)**, 2.10-2.14, "Exo-Earths Earth-mass planets in exoplanetary systems"

[JON93.1] Jones, C., Stern, C., Falco, E., Forman, W., David, L., Shapiro, I., Fabian, A.C.: 1993, *Astrophys. J.* **410**, 21, "Discovery of a new component in the gravitationally lensed quasar 0957+561"

[JON94.1] Jones, D.L.: 1994, *Proc. of a Workshop "Compact Extragalactic Radio Sources", 1994, Socorro, (eds. Zensus, J.A., Kellermann, K.I.)*, p.135, "5-GHz VLBI imaging of the gravitational lens PKS 1830-211"

[JON93.2] Jones and the SHEVE team: 1993, *Proc. Sub-Arcsecond Radio Astronomy, 1992, Manchester*, p.150, "Northern hemisphere VLBI observations of PKS 1830-211"

[JON84.1] Jones, D.L., Baath, L.B., Davis, M.M., Unwin, S.C.: 1984, *Astrophys. J.* **284**, 60, "The sub-milliarcsecond radio structure of AO 0235+164"

[JON84.2] Jones, D.L., Davis, M.M., Unwin, S.C.: 1984, *VLBI and compact radio sources, (Fanti, R. et al. eds.)*, p.47, "Sub-milliarcsecond radio structure of AO 0235+164"

[JON96.1] Jones, D.L., Preston, R.A., Murphy, D.W., Jauncey, D.L., Reynolds, J.E. et al.: 1996, *Astrophys. J.* **470**, L23, "Interstellar broadening of images in the gravitational lens PKS 1830-211"

[JON96.2] Jones, M.E., Saunders, R., Baker, J.C., Cotter, G., Edge, A. et al.: 1996, *Astrophys. J.* **479**, L1, "Detection of a cosmic microwave background decrement towards the z = 3.8 quasar pair PC1643+4631A,B"

[KAH00.1] Kahabka, P.: 2000, *Astron. Astrophys.* **354**, 999-1002, "The nature of RXJ0052.1-7319"

[KAI92.1] Kaiser, N.: 1992, *Summer School: New Insights into the Universe* , p.247, "Statistics of gravitational lensing. II Weak lenses"

[KAI92.2] Kaiser, N.: 1992, *Summer School: New Insights into the Universe* , p.279, "Statistics of gravitational lensing. I Strong lenses"

[KAI92.3] Kaiser, N.: 1992, *Astrophys. J.* **388**, 272, "Weak gravitational lensing of distant galaxies"

[KAI95.1] Kaiser, N.: 1995, *Astrophys. J.* **439**, L1, "Nonlinear cluster lens reconstruction"

[KAI98.1] Kaiser, N.: 1998, *Astrophys. J.* **498**, 26, "Weak lensing and cosmology"

[KAI00.1] Kaiser, N: 2000, *Astrophys. J.* **537**, 555, "A new shear estimator for weak lensing observations"

[KAI97.1] Kaiser, N., Jaffe, A.: 1997, *Astrophys. J.* **484**, 545, "Bending of light by gravity waves"

[KAI93.1] Kaiser, N., Squires, G.: 1993, *Astrophys. J.* **404**, 441, "Mapping the dark matter with weak gravitational lensing"

[KAI95.2] Kaiser, N., Squires, G., Broadhurst, T.: 1995, *Astrophys. J.* **449**, 460, "A method for weak lensing observations"

[KAI94.1] Kaiser, N., Squires, G., Fahlman, G., Woods, D.: 1994, *Clusters of Galaxies*, p.269, "Mapping the dark matter in clusters"

[KAI84.1] Kaiser, N., Stebbins, A.: 1984, *Nature* **310**, 391, "Microwave anisotropy due to cosmic strings"

[KAK95.1] Kakigi, Y., Okamura, T., Fukuyama, T.: 1995, *Int. J. Mod. Phys. D* **4**, 685, "Gravitational lensing and catastrophe theory"

[KAM95.1] Kamionkowski, M.: 1995, *Astrophys. J.* **442**, L9, "Microlensing by stars"

[KAM98.1] Kamionkowski, M., Babul, A., Cress, C.M., Refrieger, A.: 1998, *Monthly Notices Roy. Astron. Soc.* **301**, 1064, "Theory and statistics of weak lensing from large-scale mass inhomogeneities"

[KAN03.1] Kane, S.R., Sahu, K.C.: 2003, *Astrophys. J.* **582**, 743-755, "Studying the Galactic Bulge Through Spectroscopy of Microlensed Sources: II. Observations"

[KAN03.2] Kanekar, N., Chengalur, J.N., de Bruyn, A.G., Narasimha, D.: 2003, *Monthly Notices Roy. Astron. Soc.* **345**, L7, "Detection of OH and wide H i absorption toward B0218+357"

[KAN96.1] Kan-ya, Y., Nishi, R., Nakamura, T.: 1996, *Publ. Astron. Soc. Japan* **48**, 479, "Microlensing and halo models of the galaxy"

[KAN69.1] Kantowski, R.: 1969, *Astrophys. J.* **155**, 89, "Corrections in the luminosity-redshift relations of the homogeneous Friedmann models"

[KAR92.1] Karas, V., Bao, G.: 1992, *Astron. Astrophys.* **257**, 531, "On the light curve of an orbiting spot"

[KAR76.1] Karoji, H., Nottale, L.: 1976, *Nature* **259**, 31, "Possible implications of the Rubin-Ford effect"

[KAS90.1] Kasai, M., Futamase, T., Takahara, F.: 1990, *Phys. Letters* **147**, 97, "Angular diameter distance in a clumpy universe"

[KAS88.1] Kashlinsky, A.: 1988, *Astrophys. J.* **331**, L1, "Small-scale fluctuations in the microwave background radiation and multiple gravitational lensing"

[KAS94.4] Kashyap, V., Rosner, R., Schramm, D., Truran, J.: 1994, *Astrophys. J.* **431**, L87, "MACHOs and the diffuse X-ray background"

[KAS92.1] Kassiola, A., Kovner, I.: 1992, *Astrophys. J.* **388**, 33, "Multiple quasars with large magnitude differences: Extreme magnification by gravitational lenses?"

[KAS93.1] Kassiola, A., Kovner, I.: 1993, *Astrophys. J.* **417**, 450, "Elliptic mass distributions versus elliptic potentials in gravitational lenses"

[KAS93.2] Kassiola, A., Kovner, I.: 1993, *Astrophys. J.* **417**, 474, "The gravitational lens hypothesis for the ring in A2218"

[KAS95.1] Kassiola, A., Kovner, I.: 1995, *Monthly Notices Roy. Astron. Soc.* **272**, 363, "Invariants of simple gravitational lenses"

[KAS91.1] Kassiola, A., Kovner, I., Blandford, R.D.: 1991, *Astrophys. J.* **381**, 6, "Bounds on intergalatic compact objects from observations of compact radio sources"

[KAS92.2] Kassiola, A., Kovner, I., Blandford, R.D.: 1992, *Astrophys. J.* **396**, 10, "On the straight arc in Abell 2390"

[KAS92.3] Kassiola, A., Kovner, I., Fort, B.: 1992, *Astrophys. J.* **400**, 41, "Perturbations of cluster cusps by galaxies example: the triple arc in CL0024+1654"

[KAS94.3] Kassiola, A., Kovner, I., Fort, B., Mellier, Y.: 1994, *Astrophys. J.* **429**, L9, "Conspicuous tangential alignment of faint blue and red objects in cluster 0024+1654"

[KAT01.1] Katayama, H., Hayashida, K., Hashimotodani, K.: 2001, *Publ. Astron. Soc. Japan* **53**, 1133-1138, "ASCA Observation of the Nearest Gravitational Lensing Cluster Candidate – A 3408"

[KAT88.1] Kats, J.I., Jackson, S.: 1988, *Astron. Astrophys.* **197**, 29, "Predictions for arc polarization"

[KAT93.1] Katz, C.A., Hewitt, J.N.: 1993, *Astrophys. J.* **409**, L9, "Further radio investigations of gravitational lensing in MG0414+0534[KAT97.1] Katz, C.A., Moore, C.B., Hewitt, J.N.: 1997, *Astrophys. J.* **475**, 512, "Multifrequency radio observations of the gravitational lens system MG 0414+0534"

[KAT86.1] Katz, N., Balbus, S., Paczyński, B.: 1986, *Astrophys. J.* **306**, 2, "Random scattering approach to gravitational microlensing"

[KAT87.1] Katz, N., Paczyński, B.: 1987, *Astrophys. J.* **317**, 11, "Gravitational lensing by an ensemble of isothermal galaxies"

[KAW96.1] Kawara, K., Murayama, T., Taniguchi, Y., Arimoto, N.: 1996, *Astrophys. J.* **470**, L85, "Infrared spectroscopy of the gravitationaly lensed quasar B1422+231: Mg II λ 2798 and Fe II emission from the broad-line gas at z=3.62"

[KAY86.1] Kayser, R.: 1986, *Astron. Astrophys.* **157**, 204, "Gravitational lenses: model fitting, time delay and Hubble parameter"

[KAY86.3] Kayser, R.: 1986, *Sterne und Weltraum* **25**, 252, "Mikro - Gravitationslinsen und ihre Bedeutung fuer die Astrophysik"

[KAY87.2] Kayser, R.: 1987, *Mitteilungen der Astronomischen Gesellschaft* **70**, 210, "Mikro-Gravitationslinsen - ein neues Werkzeug der extragalaktischen Astronomie"

[KAY88.1] Kayser, R.: 1988, *Astron. Astrophys.* **206**, L8, "The micro-lensing scenario for the BL Lac object AO 0235+164"

[KAY88.4] Kayser, R.: 1988, *Physikalische Blaetter* **44**, 16, "Suche nach Gravitationslinsen mit ueberraschenden Ergebnissen"

[KAY88.5] Kayser, R.: 1988, *IAU Symposium* **130**, 601, "On the possibilities of detecting dark matter by the gravitational lens effect"

[KAY90.1] Kayser, R.: 1990, *Astrophys. J.* **357**, 309, "Macro- and micro-models for gravitational lenses"

[KAY90.3] Kayser, R.: 1990, *Sterne und Weltraum* **29**, 12, "Neues vom vierblaettrigen Kleeblatt"

[KAY83.1] Kayser, R., Refsdal, S.: 1983, *Astron. Astrophys.* **128**, 156, "The difference in light travel time between gravitational lens images I - Generalization of the wavefront method to arbitrary deflectors and inhomogeneous universes"

[KAY88.2] Kayser, R., Refsdal, S.: 1988, *Astron. Astrophys.* **197**, 63, "Gravitational lenses and brightness distribution of distant sources"

[KAY89.2] Kayser, R., Refsdal, S.: 1989, *Nature* **338**, 745, "Detectability of gravitational microlensing in the quasar QSO 2237+0305"

[KAY86.2] Kayser, R., Refsdal, S., Stabell, R.: 1986, *Astron. Astrophys.* **166**, 36, "Astrophysical applications of gravitational micro-lensing"

[KAY87.1] Kayser, R., Refsdal, S., Stabell, R., Grieger, B.: 1987, *IAU Symposium, Observational Cosmology* **124**, 767, "Geophysical applications of gravitational micro-lensing"

[KAY88.3] Kayser, R., Schramm, T.: 1988, *Astron. Astrophys.* **191**, 39, "Imaging procedures for gravitational lenses"

[KAY93.1] Kayser, R., Schramm, T.: 1993, *Astron. Astrophys.* **278**, L13, "New caustic singularities in multiple lens plane gravitational lensing are not stable"

[KAY90.2] Kayser, R., Surdej, J., Condon, J.J., Hazard, C., Kellermann, K.I., Magain, P., Remy, M., Smette, A.: 1990, *Astrophys. J.* **364**, 15, "New observations and gravitational lens models of the clover leaf quasar H 1413+117"

[KAY89.3] Kayser, R., Weiss, A., Refsdal, S., Schneider, P.: 1989, *Astron. Astrophys.* **214**, 4, "Gravitational micro-lensing due to an ensemble of compact objects with different masses"

[KAY89.1] Kayser, R., Witt, H.J.: 1989, *Astron. Astrophys.* **221**, 1, "Amplification near gravitational lens caustics"

[KEE81.1] Keel, W.C.: 1982, *Astrophys. J.* **259**, L1, "Observational tests of QSO amplification by condensed objects in galactic halos"

[KEE82.1] Keel, W.C.: 1982, *Astrophys. J.* **255**, 20, "The nature of the light variations in the double QSO 0957+561"

[KEE03.3] Keeton, C.R.: 2003, *Astrophys. J.* **584**, 664-674, "Analytic Cross Sections for Substructure Lensing"

[KEE01.5] Keeton, C.R.: 2001, *Astrophys. J.* **561**, 46, "Cold Dark Matter and Strong Gravitational Lensing: Concord or Conflict?"

[KEE01.3] Keeton, C.R.: 2001, *Astrophys. J.* **562**, 160, "Source ellipticity and the statistics of lensed arcs"

[KEE02.1] Keeton, C.R.: 2002, *Astrophys. J.* **575**, L1-L4, "Rethinking Lensing and Λ"

[KEE03.1] Keeton, C.R.: 2003, *Astrophys. J.* **582**, 17-29, "Lensing and the Centers of Distant Early-Type Galaxies"

[KEE00.1] Keeton, C.R., Christlein, D., Zabludoff, A.I.: 2000, *Astrophys. J.* **545**, 129-140, "What Fraction of Gravitational Lens Galaxies Lie in Groups?"

[KEE00.3] Keeton, C.R., Christlein, D., Zabludoff, A.I.: 2000, *Astrophys. J.* **545**, 129, "What fraction of gravitational lens galaxies lie in groups?"

[KEE00.2] Keeton, C.R., Falco, E.E., Impey, C.D., Kochanek, C., Lehár, J. et al.: 2000, *Astrophys. J.* **542**, 74, "The host galaxy of the lensed quasar Q 0957+561"

[KEE97.1] Keeton, C.R, Kochanek, C.S., Seljak, U.: 1997, *Astrophys. J.* **482**, 604, "Shear and ellipticity in gravitational lenses"

[KEE97.4] Keeton, C.R, Kochanek, C.S.: 1997, *Astrophys. J.* **487**, 42, "Determining the Hubble Constant from the Gravitational Lens PG 1115+080"

[KEE98.1] Keeton, C.R, Kochanek, C.S.: 1998, *Astrophys. J.* **495**, 157, "Gravitational lensing by spiral galaxies"

[KEE98.2] Keeton, C.R, Kochanek, C.S., Falco, E.E.: 1998, *Astrophys. J./* **509**, 561, "The optical properties of gravitational lens galaxies as a probe of galaxy structure and evolution"

[KEE01.1] Keeton, C.R., Madau, P.: 2001, *Astrophys. J.* **549**, L25, "Lensing constraints on the cores of massive dark matter halos"

[KEE00.1] Keeton, C.R., Mao, S., Witt, H.J: 2000, *Astrophys. J.* **537**, 697, "Gravitational lenses with more than four images. I. Classification of caustics"

[KEE03.2] Keeton, C.R., Winn, J.N.: 2003, *Astrophys. J.* **590**, 39-51, "The Quintuple Quasar: Mass Models and Interpretation"

[KEM01.1] Kemball, A.J., Patnaik, A.R., Porcas, R.W.: 2001, *Astrophys. J.* **562**, 649, "Polarization VLBI Observations of the Gravitational Lens System B0218+357 at 8.4 GHz"

[KEN88.1] Kent, S.M., Falco, E.E.: 1988, *Astron. J.* **96**, 1570, "A model for the gravitational lens system 2237+0305"

[KER95.1] Kerins, E.: 1995, *Monthly Notices Roy. Astron. Soc.* **276**, 785, "Interpreting the candidate galactic microlensing events"

[KER97.3] Kerins, E.J.: 1997, *Astron. Astrophys.* **322**, 709, "Zero-metallicity very low mass stars as halo dark matter"

[KER97.4] Kerins, E.J.: 1997, *Astron. Astrophys.* **328**, 5, "Low-mass stars and star slusters in the dark Galactic Halo"

[KER98.2] Kerins, E.J.: 1998, *Astrophys. J.* **507**, 221, "On the robustness of the microlensing optical depth as a measure of MACHO density"

[KER95.2] Kerins, E.J., Carr, B.J.: 1995, *Nucl. Phys. B Proc. Supl.* **43**, 157, "Probing the galactic dark matter mass function using microlensing and direct searches"

[KER01.1] Kerins, E., Carr, B.J., Evans, N.W., Hewett, P., Lastennet, E. et al.: 2001, *Monthly Notices Roy. Astron. Soc.* **323**, 13-33, "Theory of pixel lensing towards M31 I: the density contribution and mass of MACHOs"

[KER98.1] Kerins, E.J., Evans, N.W.: 1998, *Astrophys. J.* **503**, L75, "Microlensing halo models with abundant brown dwarfs"

[KER99.1] Kerins, E.J., Evans, N.W.: 1999, *Astrophys. J.* **517**, 734, "A caustic view of halo microlensing"

[KES02.1] Kesden, M., Cooray, A., Kamionkowski, M.: 2002, *Phys. Rev. D* **66**, 083007, "Weak lensing of the CMB: Cumulants of the probability distribution function"

[KHA01.1] Khare, P.: 2001, *Astrophys. J.* **550**, 153, "Angular separations of the lensed quasar images"

[KHM88.1] Khmil, S.V.: 1988, *Soviet Astron. Letters* **14**, 461, "A moving gravitational lens in a Friedmann universe"

[KHI02.1] Khmil, S.V., Surdej, J.: 2002, *Astron. Astrophys.* **387**, 347-355, "Optimal extraction of multiple overlapping spectra using a maximum entropy algorithm"

[KHR97.1] Khruzina, T.S., Cherepashchuk, A.M.: 1997, *Astronomy Reports* **41**, 492, "Gravitational microlensing of binary stars: Light curve synthesis"

[KIN93.1] King, L.J., Browne, I.W.A., Patnaik, A., Muxlow, T.W.B. et al.: 1993, *Proc. Sub-Arcsecond Radio Astronomy, 1992, Manchester*, p.144, "The Jodrell Bank Lens Survey"

[KIN96.1] King L.J., Browne I.W.A.: 1996, *Monthly Notices Roy. Astron. Soc.* **282**, 67, "Biases, selection effects and image multiplicities in the Jodrell Bank - VLA gravitational lens survey"

[KIN99.1] King, L.J., Browne, I.W.A., Marlow, D.R., Patnaik, A.R., Wilkinson, P.N.: 1999, *Monthly Notices Roy. Astron. Soc.* **307**, 225, "Gravitationally lensed radio sources in the Jodrell Bank-VLA Astrometric Survey"

[KIN97.1] King L.J., Browne I.W.A., Muxlow, T.W.B., Narasimha, D., Patnaik, A.R. et al.: 1997, *Monthly Notices Roy. Astron. Soc.* **289**, 450, "Multifrequency radio observations of the gravitational lens system 1938+666"

[KIN02.2] King, L.J, Clowe, D.I., Lidman, C., Schneider, P., Erben, T., J.-P. Kneib, J.-P., Meylan, G.: 2002, *Astron. Astrophys.* **385**, L5-L9, "The first detection of weak gravitational shear in infrared observations: Abell 1689"

[KIN02.1] King, K., Clowe, D., Schneider, P..: 2002, *Astron. Astrophys.* **383**, 118-124, "Parameterised models for the lensing cluster Abell 1689"

[KIN98.1] King L.J., Jackson, N.J., Blandford, R.D., Bremer, M.N., Browne, I.W.A. et al.: 1998, *Monthly Notices Roy. Astron. Soc. Let.* **295**, L41, "A complete infrared Einstein ring in the gravitational lens system B1938+666"

[KIN93.2] King, L.J. and the SHEVE team: 1993, *Proc. Sub-Arcsecond Radio Astronomy, 1992, Manchester*, p.152, "A VLBI survey of southern hemisphere peaked spectrum sources"

[KIN01.1] King, L., Schneider, P.: 2001, *Astron. Astrophys.* **369**, 1, "Cluster mass profiles from weak lensing II"

[KIN02.3] King, L., Schneider, P.: 2002, *Astron. Astrophys.* **396**, 411-418, "Suppressing the contribution of intrinsic galaxy alignments to the shear two-point correlation function"

[KIN01.2] King, L.J., Schneider, P., Springel, V.: 2001, *Astron. Astrophys.* **378**, 748-755, "Cluster mass profiles from weak lensing: The influence of substructure"

[KIN91.1] Kinney, A.L., Bohlin, R.C., Blades, J.C., York, D.G.: 1991, *Astrophys. J. Suppl.* **75**, 645, "An ultraviolet atlas of quasar and blazar spectra"

[KIN88.1] Kinzel, W.M., Dickman, R.L., Predmore, C.R.: 1988, *Nature* **331**, 48, "A possible 35-minute periodicity in the OJ 287 active galactic nucleus at 7-mm wavelength"

[KIP74.1] Kippenhahn, R., de Vries, H.L.: 1974, *Astrophys. Space Science* **26**, 131, "Statistics of apparent distances between QSO's and bright galaxies"

[KIR94.2] Kiraga, M.: 1994, *Acta Astronomica* **44**, 241, "The optical depth to microlensing of the galactic bulge stars"

[KIR94.1] Kiraga, M., Paczyński, B.: 1994, *Astrophys. J.* **430**, L101, "Gravitational microlensing of the galactic bulge stars"

[KLI63.1] Klimov, Y.G.: 1963, *Soviet Phys. Doklady* **8**, 119, "The deflection of light rays in the gravitational fields of galaxies"

[KLI00.3] Kling, T.P., Newman, E.T., Perez, A.: 2000, *Phys. Rev. D* **62**, 024025 (Erratum: Phys. Rev. D 62, 109901), "Comparative studies of lensing methods"

[KLI00.1] Kling, T.P., Newman, E.T., Perez, A.: 2000, *Phys. Rev. D* **61**, 104007, "Iterative approach to gravitational lensing theory"

[KLI99.1] Kling, T.P., Newman, E.T.: 1999, *Phys. Rev. D* **59**, 124002, "Null cones in Schwarzschild geometry"

[KNE98.2] Kneib, J.-P., Alloin, D.: 1998, *Astron. Astrophys.* **339**, L65, "Unveiling the nature of the Cloverleaf lens-system: HST/NICMOS-2 observations"

[KNE98.1] Kneib, J.-P., Alloin, D., Mellier, Y., Guilloteau, S., Barvainis, R., Antonucci, R.: 1998, *Astron. Astrophys* **329**, 827, "Modelling the Cloverleaf: contribution of a galaxy cluster at z 1.7"

[KNE96.1] Kneib, J.-P., Ellis, R.S., Smail, I., Couch, W.J., Sharples, R.M.: 1996, *Astrophys. J.* **471**, 643, "Hubble Space Telescope observations of the lensing cluster Abell 2218"

[KNE00.1] Kneib, J.-P., Cohen, J.G., Hjörth, J.: 2000, *Astrophys. J.* **544**, L35, "RX J0911+05: A Massive Cluster Lens at z=0.769"

[KNE94.1] Kneib, J.-P., Mathez, G., Fort, B., Mellier, Y., Soucail, G., Longaretti, P.-Y.: 1994, *Astron. Astrophys.* **286**, 701, "Redshift survey up to bj=27: distance of gravitational arclets behind Abell 370"

[KNE94.2] Kneib, J.-P., Melnick, J., Gopal-Krishna: 1994, *Astron. Astrophys.* **290**, L25, "The Cl2236-04 lens cluster. Looking for a third gravitational image?"

[KNE93.3] Kneib, J.-P., Mellier, Y., Fort, B., Mathez, G.: 1993, *Astron. Astrophys.* **273**, 367, "The distribution of dark matter in distant cluster-lenses: modeling A370"

[KNE95.1] Kneib, J.-P., Mellier, Y., Pelló, R., Miralda-Escudé, J., Le Borgne, J.-F., et al.: 1995, *Astron. Astrophys.* **303**, 27, "Dynamics of Abell 2218 from optical and near-IR imagery of arc(let)s and the ROSAT/HRI X-ray map"

[KNU01.1] Knudson, A., Ratnatunga, K.U., Griffith, R.E.: 2001, *Astron. J.* **122**, 103, "Investigation of gravitational lens mass models"

[KOB02.1] Kobayashi, N., Terada, H., Goto, M., Tokunaga, A.: 2002, *Astrophys. J.* **569**, 676-681, "Mg II Absorption Lines in z = 2.974 Damped Ly System toward Gravitationally Lensed QSO APM 08279+5255: Detection of Small-Scale Structure in Mg II Absorbing Clouds"

[KOC92.1] Kochanek, C.S.: 1992, *Astrophys. J.* **397**, 381, "Gravitational lenses in redshift surveys"

[KOC90.1] Kochanek, C.S.: 1990, *Monthly Notices Roy. Astron. Soc.* **247**, 135, "Inverting cluster gravitational lenses"

[KOC91.1] Kochanek, C.S.: 1991, *Astrophys. J.* **373**, 354, "The implications of lenses for galaxy structure"

[KOC91.2] Kochanek, C.S.: 1991, *Astrophys. J.* **379**, 517, "Selection effects in optical surveys for gravitational lenses"

[KOC91.3] Kochanek, C.S.: 1991, *Astrophys. J.* **382**, 58, "Systematic effects in lens inversions: exact models for 0957+561"

[KOC92.2] Kochanek, C.S.: 1992, *Astrophys. J.* **384**, 1, "Do the redshifts of the gravitational lens galaxies rule out a large cosmological constant?"

[KOC93.1] Kochanek, C.S.: 1993, *Astrophys. J.* **417**, 438, "The analysis of gravitational lens surveys. I. Selection functions and ambiguous candidates"

[KOC93.2] Kochanek, C.S.: 1993, *Astrophys. J.* **419**, 12, "The analysis of gravitational lens surveys. II. Maximum likelihood models and singular potentials"

[KOC93.3] Kochanek, C.S.: 1993, *Proc. Sub-Arcsecond Radio Astronomy, 1992, Manchester*, p.117, "A (very) few points on the theory of gravitational lenses"

[KOC93.4] Kochanek, C.S.: 1993, *Monthly Notices Roy. Astron. Soc.* **261**, 453, "Analytic results for the gravitational lens statistics in singular isothermal spheres in general cosmologies"

[KOC94.1] Kochanek, C.S.: 1994, *Astrophys. J.* **436**, 56, "The dynamics of luminous galaxies in isothermal halos"

[KOC95.1] Kochanek, C.S.: 1995, *Astrophys. J.* **445**, 559, "Evidence for dark matter in MG1654+134"

[KOC95.3] Kochanek, C.S.: 1995, *Astrophys. J.* **453**, 545, "Gravitational lensing limits on cold dark matter and its variants"

[KOC95.4] Kochanek, C.S.: 1995, *Critique of the Sources of Dark Matter in the Universe, ed. D.B.Cline, World Scientific, Singapore*, p.81, "Gravitational lenses, galactic structure, evolution, and cosmology"

[KOC96.3] Kochanek, C.S.: 1996, *Astrophys. J.* **466**, 638, "Is there a cosmological constant?"

[KOC96.2] Kochanek, C.S.: 1996, *Astrophys.J.* **473**, 595, "The flat-spectrum radio luminosity function, gravitational lensing, galaxy ellipticities, and cosmology"

[KOC00.1] Kochanek, C.S.: 2000, *Astrophys. J.* **112**, 126, "Gravitational Lensing: Recent Progress and Future Goals"

[KOC03.1] Kochanek, C.S.: 2003, *Astrophys. J.* **583**, 49-57, "Gravitational Lens Time Delays in Cold Dark Matter"

[KOC02.1] Kochanek, C.S.: 2002, *Astrophys. J.* **578**, 25-32, "What Do Gravitational Lens Time Delays Measure?"

[KOC88.1] Kochanek, C.S., Apostolakis, J.: 1988, *Monthly Notices Roy. Astron. Soc.* **235**, 1073, "The two-screen gravitational lens"

[KOC87.1] Kochanek, C.S., Blandford, R.D.: 1987, *Astrophys. J.* **321**, 676, "Gravitational imaging by isolated elliptical potential wells. II - Probability distributions"

[KOC91.4] Kochanek, C.S., Blandford, R.D.: 1991, *Astrophys. J.* **375**, 492, "Formation and distortion of optical rings around rich cluster galaxies"

[KOC89.1] Kochanek, C.S., Blandford, R.D., Lawrence, C.R., Narayan, R.: 1989, *Monthly Notices Roy. Astron. Soc.* **238**, 43, "The ring cycle: an iterative lens reconstruction technique applied to MG 1131+0456"

[KOC00.2] Kochanek, C.S., Falco, E.E., Impey, C.D. Lehár, J., McLead, B.A. et al.: 2000, *Astrophys. J.* **535**, 692, "The infrared Einstein Ring in the gravitational lens MG J1131+0456 and the death of the dusty lens hypothesis"

[KOC00.4] Kochanek, C.S., Falco, E.E., Impey, C.D., Lehár, J., McLeod, B.A. et al.: 2000, *Astrophys. J.* **543**, 131, "The fundamental plane of gravitational lens galaxies and the evolution of early-type galaxies in low-density environments"

[KOC99.1] Kochanek, C.S., Falco, E.E., Muñoz, J.A.: 1999, *Astrophys. J.* **510**, 590, "Why quasar pairs are binary quasars and not gravitational lenses"

[KOC95.2] Kochanek, C.S., Falco, E.E., Schild, R.: 1995, *Astrophys. J.* **452**, 109, "The FKS gravitational lens survey"

[KOC97.1] Kochanek, C.S., Falco, E.E., Schild, R., Dobrzycki, A., Enhels, D., Hagen, H.-J.: 1997, *Astrophys.J.* **479**, 678, "SBS 0909+532: a new double gravitational lens or binary quasar?"

[KOC01.1] Kochanek, C.S., Keeton, C.R., McLeod, B.A.: 2001, *Astrophys. J.* 547, 50, "The importance of Einstein Rings"

[KOC96.1] Kochanek, C.S., Kolatt, T.S., Bartelmann, M.: 1996, *Astrophys. J.* **473**, 610, "Proper motions of VLBI lenses, inertial frames, and the evolution of peculiar velocities"

[KOC90.3] Kochanek, C.S., Lawrence, C.R.: 1990, *Astron. J.* **99**, 1700, "Where have all the lenses gone?"

[KOC92.4] Kochanek, C.S., Narayan, R.: 1992, *Astrophys. J.* **401**, 461, "Lensclean: an algorithm for inverting extended, gravitationally lensed images with application to the radio ring lens PKS 1830-211"

[KOE94.1] Koen, C.: 1994, *Astrophys. J.* **268**, 690, "Finding the lag between two irregularly observed random walk series"

[KOL98.1] Kolatt, T.S., Bartelmann, M.: 1998, *Monthly Notices Roy. Astron. Soc.* **296**, 763, "Gravitational lensing of type Ia supernovae by galaxy clusters"

[KOL96.1] Kolb, E.W., Tkachev, I.I.: 1996, *Astrophys. J.* **460**, L25, "Femtolensing and picolensing by axion miniclusters"

[KOM95.1] Komberg, B.V., Kompaneets, D.A., Lukash, V.N.: 1995, *Astronomy Reports* **39**, 402, "Red dwarbs in the coronas of galaxies as MACHOs"

[KOM99.1] Komberg, B.V., Kurt, V.G., Kuznetsov, A.V.: 1999, *Astron. Rep.* **43**, 580, "Macrolensing of cosmic gamma-ray bursts in the Fourth BATSE Catalog"

[KON99.1] Konno, K., Kojima, Y.: 1999, *Progress of Theoretical Physics* **101 (4)**, 885-901, "Asymmetry in microlensing-induced light curves"

[KOF97.1] Kofman, L., Kaiser, N., Lee, M.H., Babul, A.: 1997, *Astrophys. J.* **489**, 508, "Statistics of gravitational microlensing magnification. I. Two-dimensional lens distribution "

[KOO87.1] Koo, D.C.: 1987, *Large Scale Motions in the Universe, (eds. V.G. Rubin and G.V. Coyne), Princeton University Press*, p.513, "Recent observations of distant matter direct clues to birth and evolution"

[KOO03.2] Koopmans, L.V.E., Biggs, A., Blandford, R.D., Browne, I.W.A., Jackson, N.J. et al.: 2003, *Astrophys. J.* **595**, 712-718, "Extrinsic Radio Variability of JVAS/CLASS Gravitational Lenses"

[KOO00.3] Koopmans, L.V.E., de Bruyn, A.G: 2000, *Astron. Astrophys.* **358**, 793, "Microlensing of multiply-imaged compact radio sources: Evidence for compact halo objects in the disk galaxy of B1600+434"

[KOO00.4] Koopmans, L.V.E., de Bruyn, A.G., Fassnacht, C.D., Marlow, D.R., Rusin, D. et al.: 2000, *Astron. Astrophys.* **361**, 815, "CLASS B0827+525: "Dark lens" or binary radio-loud quasar?"

[KOO98.1] Koopmans, L.V.E., de Bruyn, A.G., Jackson, N.: 1998, *Monthly Notices Roy. Astron. Soc.* **295**, 534, "The edge-on spiral gravitational lens B1600+434"

[KOO00.2] Koopmans, L.V.E., de Bruyn, A.G., Xanthopoulos, E., Fassnacht, C.D.: 2000, *Astron. Astrophys.* **356**, 391, "A time-delay determination from VLA light curves of the CLASS gravitational lens B1600+434"

[KOO99.1] Koopmans, L.V.E., de Bruyn, A.G., Marlow, D.R., Jackson, N., Blandford, R.D. et al.: 1999, *Monthly Notices Royal Astron. Soc.* **303**, 727, "A new radio double lens from CLASS: B1127+385"

[KOO00.2] Koopmans, L.V.E., de Bruyn, A.G., Xanthopoulos, E., Fassnacht, C.D.: 2000, *Astron. Astrophys.* **356**, 391, "A time-delay determination from VLA light curves of the CLASS gravitational lens B1600+434"

[KOO99.2] Koopmans, L.V.E., Fassnacht, C.D.: 1999, *Astrophys. J.* **527**, 513, "A determination of H_0 with the CLASS gravitational lens B1608+656: II. Mass models and the Hubble constant from lensing"

[KOO02.2] Koopmans, L.V.E., Garrett, M.A., Blandford, R.D., Lawrence, C.R., Patnaik, A.R., Porcas W.: 2002, *Monthly Notices Roy. Astron. Soc.* **334 (1)**, 39-47, "2016+112: a gravitationally lensed type II quasar"

[KOO02.1] Koopmans, L.V.E., Treu, T.: 2002, *Astrophys. J.* **568**, L5-L8, "The stellar velocity dispersion of the lens galaxy in MG2016+112 at z=1.004"

[KOO03.1] Koopmans, L.V.E., Treu, T.: 2003, *Astrophys. J.* **583**, 606-615, "The Structure and Dynamics of Luminous and Dark Matter in the Early-Type Lens Galaxy of 0047-281 at z=0.485"

[KOO01.3] Koopmans, L.V.E., Wambsganss, J.: 2001, *Monthly Notices Roy. Astron. Soc.* **325**, 1317, "On the probability of microlensing in GRB afterglows"

[KOP02.1] Kopeikin, S., Mashhoon, B.: 2002, *Phys. Rev. D* **65**, 064025, "Gravitomagnetic effects in the propagation of electromagnetic waves in variable gravitational fields of arbitrary-moving and spinning bodies"

[KOP99.1] Kopeikin, S.M., Schafer, G.: 1999, *Phys. Rev. D* **60**, 124002, "Lorentz covariant theory of light propagation in gravitational fields of arbitrary-moving bodies"

[KOP80.1] Kopylov, I.M.: 1980, *IAU Circular* **3552**, "Q 0957+561"

[KOR98.1] Koratkar, A., Pian, E., Urry, C.M., Pesce, J.E.: 1998, *Astrophys. J.* **492**, 173, "Monitoring Ly α emission from the blazar 3C 279"

[KOR94.1] Kormann, R., Schneider, P., Bartelmann, M.: 1994, *Astron. Astrophys.* **286**, 357, "A gravitational lens model for B1422+231"

[KOR94.2] Kormann, R., Schneider, P., Bartelmann, M.: 1994, *Astron. Astrophys.* **284**, 285, "Isothermal elliptical gravitational lens models"
[KOV87.1] Kovner, I.: 1987, *Astrophys. J.* **312**, 22, "The quadrupole gravitational lens"
[KOV87.2] Kovner, I.: 1987, *Astrophys. J.* **316**, 52, "The thick gravitational lens: a lens composed of many elements at different distances"
[KOV87.3] Kovner, I.: 1987, *Astrophys. J.* **318**, L1, "Extraction of cosmological information from multi image gravitational lenses", (Erratum: 1987, *Astrophys. J.* **323**, L155)
[KOV87.4] Kovner, I.: 1987, *Astrophys. J.* **321**, 686, "The marginal gravitational lensing"
[KOV87.5] Kovner, I.: 1987, *Nature* **325**, 507, "Marginal gravitational lenses of large separation: probing superclusters"
[KOV87.6] Kovner, I.: 1987, *Nature* **327**, 193, "Giant luminous arcs from gravitational lensing"
[KOV88.2] Kovner, I.: 1988, *Proc. of the "The Post Rec. Universe", (eds. Kaiser, N., Lasenby, A.N.), Kluwer Acad. Publ.*, p.315, "Gravitational lensing by clusters of galaxies"
[KOV89.1] Kovner, I.: 1989, *Astrophys. J.* **337**, 621, "Diagnostics of compact clusters of galaxies by giant luminous arcs"
[KOV89.2] Kovner, I.: 1989, *Astrophys. J.* **341**, L1, "Maximal lens bounds on QSO-galaxy association"
[KOV90.1] Kovner, I.: 1990, *Astrophys. J.* **351**, 114, "Fermat principle in arbitrary gravitational fields"
[KOV91.1] Kovner, I.: 1991, *Astrophys. J.* **376**, 70, "Bounds on the enhancement of quasar counts by lenses"
[KOV87.7] Kovner, I., Milgrom, M.: 1987, *Astrophys. J.* **321**, L113, "Concerning the limit on the mean mass distribution of galaxies from their gravitational lens effect"
[KOV88.1] Kovner, I., Paczyński, B.: 1988, *Astrophys. J.* **335**, L9, "Supernovae in luminous arcs"
[KRA01.1] Kraus, U.: 2001, *Astrophys. J.* **563**, 289-300, "Hollow Accretion Columns on Neutron Stars and the Effects of Gravitational Light Bending"
[KRA91.1] Krauss, L.M., Small, T.A.: 1991, *Astrophys. J.* **378**, 22, "A new approach to gravitational microlensing: time delays and the galactic mass distribution"
[KRA93.1] Krauss, L.M., Schramm, D.N.: 1993, *Astrophys. J.* **405**, L43, "Angular diameters as a probe of a cosmological constant and Ω"
[KRA92.2] Krauss, L.M., White, M.: 1992, *Astrophys. J.* **397**, 357, "Gravitational lensing and the variability of G"
[KRA92.3] Krauss, L., White, M.: 1992, *Astrophys. J.* **394**, 385, "Gravitational lensing, finite galaxy cores, and the cosmological constant"
[KRI91.1] Krishna, G., Subramanian, K.: 1991, *Nature* **349**, 766, "Gravitational micro-lensing of the relativistic jets of quasars"
[KRI91.2] Kristian, J.: 1991, *1st Year of HST Observations*, p.25, "Early observations of gravitational lenses with the planetary camera of Hubble Space Telescope"

[KRI93.1] Kristian, J., Groth, E.J., Shaya, E.J., Schneider, D.P., Holtzman, J.A. et al.: 1993, *Astron. J.* **106**, 1330, "Imaging of the gravitational lens system PG 1115+080 with the Hubble Space Telescope"

[KRI66.1] Kristian, J., Sachs, R.K.: 1966, *Astrophys. J.* **143**, 379, "Observations in cosmology"

[KRO79.1] Krolik, J.H., Kwan, J.: 1979, *Nature* **281**, 550, "Quasar image doubling associated with absorption systems"

[KRO91.1] Kronberg, P.P., Dyer, C.C., Burbidge, E.M., Junkkarinen, V.T.: 1991, *Astrophys. J.* **367**, L1, "A technique for using radio jets as extended gravitational lensing probes"

[KRU99.1] Kruse, G., Schneider, P.: 1999, *Monthly Notices Roy. Astron. Soc.* **302**, 821, "Statistics of dark matter haloes expected from weak lensing surveys"

[KRU00.1] Kruse, G., Schneider, P.: 2000, *Monthly Notices Roy. Astron. Soc.* **318**, 321, "The non-Gaussian tail of cosmic-shear statistics"

[KUH86.1] Kühr, H.: 1986, *Structure and evolution of active galactic nuclei*, p.418, "A test for the gravitational lens hypothesis in the most luminous quasar S5 0014+81"

[KUH83.1] Kühr, H., Liebert, J.W., Strittmater, P.A., Schmidt, G.D., Mackay, C.: 1983, *Astrophys. J.* **275**, L33, "The most luminous quasar: S5 0014+81"

[KUH86.2] Kühr, H., Stocke, J.T., Strittmatter, P.A., Bartel, N., Eckart, A., Schalinski, C., Witzel, A., Biermann, P.: 1986, *Astrophys. J.* **302**, 52, "High-resolution radio observations of the most luminous quasar"

[KUI99.1] Kuijken, K.: 1999, *Astron. Astrophys.* **352**, 355, "Weak weak lensing: correcting weak shear measurements accurately for PSF anisotropy"

[KUI97.1] Kuijken, K.: 1997, *Astrophys. J.* **486**, L19, "The maximum optical depth toward bulge stars from axisymmetric models of the Milky Way"

[KUN97.2] Kundić, T., Cohen, J.G., Blandford, R.D., Lubin, L.M.: 1997, *Astron. J.* **114**, 507, "Keck spectroscopy of the gravitational lens system PG 1115+080: Redshifts of the lensing galaxies"

[KUN95.1] Kundić, T., Colley, W.N., Gott, III,J.R., Malhotra, S., Pen,U. et el.: 1995, *Astrophys. J.* **455**, L5,, "An event in the light curve of 0957+561A and prediction of the 1996 image B light curve"

[KUN97.3] Kundić, T., Hogg, D.W., Blandford, R.D., Cohen, J.G., Lubin, L.M., Larkin, J.E.: 1997, *Astron. J.* **114**, 2276, "The external shear acting on gravitational lens B1422+231"

[KUN93.1] Kundić, T., Wambsganss, J.: 1993, *Astrophys. J.* **404**, 455, "Gravitational microlensing: the effect of random motion of individual stars in the lensing galaxy"

[KUN97.1] Kundić, T., Turner, E.L., Colley, W.N., Gott, III,R., Rhoads, J.E. et al.: 1997, *Astrophys. J.* **482**, 75, "A robust determination of the time delay in 0957+561A,B and a measurement of the global value of Hubble's constant"

[KUN93.2] Kundić, T., Witt, H.J., Chang, K.: 1993, *Astrophys. J.* **409**, 537, "The velocity dispersion of the caustic network due to random motion of individual stars in the lensing galaxy"

[KUN86.1] Kunth, D.: 1986, *La Recherche* **183**, 1576, “Une lentille gravitationnelle invisible”
[KUT01.1] Kutter, G.S.: 2001, *Nature* **410**, 301, “Opening a window on space”
[KVI76.1] Kviz, Z.: 1976, *Proc. ASA 3(1), September*, p.42, “Gravitational lens effect of a moving black hole”
[LAB93.1] Labeyrie, A.: 1993, *Astron. Astrophys.* **268**, 823, “Lensing effects of gravitational radiation near celestial sources”
[LAB94.1] Labeyrie, A.: 1994, *Astron. Astrophys.* **284**, 689, “Gravitational lenses as giant diffractive telescopes”
[LAC80.1] Lachieze-Rey, M., Schneider, J.: 1980, *La Recherche* **11**, 827, “Les mirages gravitationnels”
[LAC82.1] Lacroix, G., Schneider, J.: 1982, *Astron. Astrophys.* **115**, 54, “The precision on the mesure of q_0 using the gravitational lensing effect”
[LAC02.1] Lacy, M., Gregg, M., Becker, R.H., White, R.L., Glikman, E., Helfand, D., Winn, J.N.: 2002, *Astron. J.* **123**, 2925-2935, “The Reddest Quasars. II. A gravitationally lensed FeLoBAL quasar”
[LAC94.1] Lacy, M., Miley, G., Rawlings, S., Saunders, R., Dickinson, M. et al.: 1994, *Monthly Notices Roy. Astron. Soc.* **271**, 504, “8C1435+635: a radio galaxy at z=4.25”
[LAC99.1] Lacy, M., Rawlings, S., Hill, G.J., Bunker, A.J., Ridgway, S.E., Stern, D.: 1999, *Monthly Notices Roy. Astron. Soc.* **308**, 1096-1116, “Optical spectroscopy of two overlapping, flux-density-limited samples of radio sources in the North ecliptic cap selected at 38 and 151MHz”
[LAC98.1] Lacy, M., Rawlings, S., Serjeant, S.: 1998, *Monthly Notices Roy. Astron. Soc.* **299**, 1220, “IRAS F10214+4724: the inner 100pc”
[LAM99.1] Lamer, G., Newsam, A.M., McHardy, I.M.: 1999, *Monthly Notices Roy. Astron. Soc.* **309**, 1085, “The unusual host galaxy of the BL Lac object PKS 1413+135”
[LAM00.1] Lamy, H., Hutsemekers, D.: 2000, *Astron. Astrophys. Sup.* **142**, 451, “Optical polarization of 47 quasi-stellar objects: The data”
[LAN90.2] Langston, G.I., Conner, S.R., Heflin, M.B., Lehár, J., Burke, B.F.: 1990, *Astrophys. J.* **353**, 34, “Faint radio sources and gravitational lensing”
[LAN90.3] Langston, G.I., Conner, S.R., Lehár, J., Burke, B.F., Weiler, K.W.: 1990, *Nature* **344**, 43, “Galaxy mass deduced from the structure of the Einstein ring MG 1654 + 1346”
[LAN91.1] Langston, G.I., Fischer, J., Aspin, C.: 1991, *Astron. J.* **102**, 1253, “Infrared K-band observations of the gravitational lens 2016+112”
[LAN89.1] Langston, G.I., Schneider, D.P., Conner, S., Carilli, C.L., Lehár, J., Burke, B.F., Turner, E.L., Gunn, J.E., Hewitt, J.N., Schmidt, M.: 1989, *Astron. J.* **97**, 1283, “MG 1654+1346: an Einstein ring image of a quasar radio lobe”
[LAN89.2] Lano, R.P.: 1989, *Astrophys. Space Science* **159**, 125, “The brightness of a black hole due to gravitational lensing”
[LAN97.1] Lanzetta, K.: 1997, *Nature* **390**, 115 - 116, “Galaxies take the distance record”

[LAR95.1] Larchenkova, T.I., Doroshenko, O.V.: 1995, *Astron. Astrophys.* **297**, 607, "Pulsars as a tool for detection of dark matter in the Galaxy"

[LAR94.1] Larkin, J.E., Matthews, K., Lawrence, C.R., Graham, J.R., Harrison, W. et al.: 1994, *Astrophys. J.* **420**, L9, "Near infrared images of MG1131+0456 with the W.M.Keck telescope: another dusty gravitational lens"

[LAS99.1] Lasenby, A.N., Doran, C.J.L., Hobson, M.P., Dabrowski, Y., Challinor, A. D.: 1999, *Monthly Notices Roy. Astron. Soc.* **302**, 748, "Microwave background anisotropies and non-linear structures – I. Improved theoretical models"

[LAV96.1] Lavery, R.L.: 1996, *Astron. J.* **112**, 1812, "An extremely thin gravitational arc formed by the distant cluster CL 0016+1609: Lensing of a compact HDF-type object?"

[LAV88.1] Lavery, R.J., Henry, J.P.: 1988, *Astrophys. J.* **329**, L21, "Two blue arcs associated with the cD galaxy of Abell 963"

[LAV93.1] Lavery, R.J., Pierce, M.J., McClure, R.D.: 1993, *Astrophys. J.* **418**, 43, "Observations of a high surface brightness arclet associated with the cluster of galaxies GHO 2154+0508"

[LAW71.1] Lawrence, J.K.: 1971, *Nuovo Cimento* **6B**, 225, "Focusing of gravitational radiation by interior gravitational fields"

[LAW71.2] Lawrence, J.K.: 1971, *Phys. Rev. D* **3**, 3239-3240, "Focusing of Gravitational Radiation by the Galactic Core"

[LAW95.2] Lawrence, C.R., Cohen, J.G., Oke,J.B.: 1994, *Astron. J.* **110**, 2583, "Absorption lines in the gravitational lens system MG0414+0534"

[LAW95.1] Lawrence, C.R., Elston, R., Januzzi, B.T., Turner, E.L.: 1995, *Astron. J.* **110**, 2570, "MG0414+0534: a dusty gravitational lens"

[LAW93.1] Lawrence, C.R., Neugebauer, G., Matthews, K.: 1993, *Astron. J.* **105**, 17, "A K-band image of the gravitational lens system 2016+112"

[LAW92.1] Lawrence, C.R., Neugebauer, G., Weir, N., Matthews, K., Patnaik, A.R.: 1992, *Monthly Notices Roy. Astron. Soc.* **259**, 5P, "Infrared observations of the gravitational lens system B1422+231"

[LAW86.1] Lawrence, C.R., Readhead, A.C.S., Moffet, A.T., Birkinshaw, M.: 1986, *Astron. J.* **92**, 1235, "Isotropy of the microwave background radiation near 1146+111 B and C"

[LAW84.1] Lawrence, C.R., Schneider, D.P., Schmidt, M., Bennett, C.L., Hewitt, J.N., Burke, B.F., Turner, E.L., Gunn, J.E.: 1984, *Science* **223**, 46, "Discovery of a new gravitational lens system"

[LAW80.1] Lawrence, J.K.: 1980, *Mercury, May-June*, 66, "Gravitational lenses and the double quasar"

[LE 90.1] Le Borgne, J.F., Pelló, R., Sanahuja, B., Soucail, G., Mellier, Y., Breare, M.: 1990, *Astron. Astrophys.* **229**, L13, "Discovery of a high-redshift BAL quasar (z=3.853) behind the rich cluster of galaxies Abell 483"

[LE 00.1] Le Brun, V., Smette, A., Surdej, J., Claeskens, J.-F.: 2000, *Astron. Astrophys.* **363**, 837, "Lensing properties of 7 damped Lyman-α absorbing galaxy-QSO pairs"

[LE 98.1] Le Brun, V., Viton, M., Milliard, B.: 1998, *Astron. Astrophys.* **340**, 381, "Discovery of a z=0.808 damped Lyman-α system candidate in a UV selected

quasar spectrum"
[LE 90.2] Le Fèvre, O., Hammer, F.: 1990, *Astrophys. J.* **350**, L1, "3CR 208.1: a radio-loud quasar at z=1.02 gravitationally amplified by a foreground Seyfert galaxy at z=0.159"
[LE 88.1] Le Fèvre, O., Hammer, F.: 1988, *Astrophys. J.* **333**, L37, "Imaging of very distant 3CR galaxies: high spatial resolution data for seven galaxies with 1.176 $<$ z $<$ 1.841"
[LE 94.1] Le Fèvre, O., Hammer, F., Angonin-Williame, M.-C., Gioia, I.M., Luppino, G.A.: 1994, *Astrophys. J.* **422**, L5, "Imaging of 16 distant EMSS clusters with z $>$ 0.2 and $L_{X,44} > 4$: new arcs and first consequences"
[LE 88.2] Le Fèvre, O., Hammer, F., Jones, J.: 1988, *Astrophys. J.* **331**, L73, "High spatial resolution imaging of some of the most distant 3CR galaxies"
[LE 87.1] Le Fèvre, O., Hammer, F., Nottale, L., Mathez, G.: 1987, *Nature* **326**, 268, "Is 3C 324 the first gravitationally lensed giant galaxy?"
[LE 88.3] Le Fèvre, O., Hammer, F., Nottale, L., Mazure, A., Christian, C.: 1988, *Astrophys. J.* **324**, L1, "Peculiar morphology of the high-redshift radio galaxies 3C 13 and 3C 256 in subarcsecond seeing"
[LEB95.1] Lebach, D.E., Corey, B.E., Shapiro, I.I., Ratner, M.I., Webber, J.C. et al.: 1995, *Phys. Rev. Lett.* **75**, 1439, "Measurement of the solar gravitational deflection of radio waves using very-long-baseline interferometry"
[LEB80.1] Lebofsky, M.J., Rieke, G.H., Walsh, D., Weymann, R.J.: 1980, *Nature* **285**, 385, "The IR spectrum of the double QSO"
[LED98.1] Ledoux, C., Théodore, B., Petitjean, P., Bremer, M.N., Lewis, R.A. et al.: 1998, *Astron. Astrophys.* **339**, L77, "Adaptive optics imaging and integral field spectroscopy of APM 08279+5255: Evidence for gravitational lensing"
[LEE97.1] Lee, M.H., Babul, A., Kofman, L., Kaiser, N.: 1997, *Astrophys. J.* **489**, 522, "Statistics of gravitational microlensing magnification. II. Three-dimensional lens distribution"
[LEE90.1] Lee, M.H., Paczyński, B.: 1990, *Astrophys. J.* **357**, 32, "Gravitational lensing by a smoothly variable three dimensional mass distribution"
[LEE90.2] Lee, M.H., Spergel, D.N.: 1990, *Astrophys. J.* **357**, 23, "An analytical approach to gravitational lensing by an ensemble of axisymmetric lenses"
[LEH01.1] Lehár, J., Buchalter, A., McMahon, R.G., Kochanek, C.S., Muxlow, T.W.B.: 2001, *Astrophys. J.* **547**, 60, "An efficient search for gravitationally lensed radio lobes"
[LEH97.1] Lehár, J., Burke, B.F., Conner,S.R., Falco, E.E., Fletcher, A.B. et al.: 1997, *Astron. J.* **114**, 48, "The gravitationally-lensed radio source MG 0751+2716"
[LEH96.1] Lehár, Cooke, A.J., Lawrence, C.R., Silber, A.d., Langston, G.I.: 1996, *Astron. J.* **111**, 1812, "The lensing galaxy in MG1549+3047"
[LEH00.1] Lehár, J., Falco, E.E., Kochanek, C.S., McLeod, B.A., Muñoz, J.A. et al: 2000, *Astrophys. J.* **536**, 584, "Hubble Space Telescope observations of 10 two-image gravitational lenses"
[LEH02.1] Lehár, J., Falco, E.E., Kochanek, C.S., McLeod, B.A., Muñoz, J.A. et al.: 2002, *Astrophys. J.* **571**, 1021, "Erratum: "Hubble Space Telescope Observations of 10 Two-Image Gravitational Lenses" (ApJ, 536, 584, 2002)

[LEH92.1] Lehár, J., Hewitt, J.N., Roberts, D.H., Burke, B.F.: 1992, *Astrophys. J.* **384**, 453, "The radio time delay in the double quasar 0957+561"

[LEH92.2] Lehnert, M.D., Heckman, T.M., Chambers, K.C., Miley, G.K.: 1992, *Astrophys. J.* **393**, 68, "Multicolor images of spatially-resolved structures around high redshift quasars"

[LEH93.1] Lehár, J., Langston, G.I., Silber, A., Lawrence, C.R., Burke, B.F.: 1993, *Astron. J.* **105**, 847, "A gravitationally-lensed ring in MG 1549+3047"

[LEH99.1] Lehoucq, R., Luminet, J.-P., Uzan, J.-Ph.: 1999, *Astron. Astrophys.* **344**, 735, "Topological lens effects in universes with non-euclidean compact spatial sections"

[LEI01.1] Leibundgut, B.: 2001, *Annu. Rev. Astron. Astophys.* **39**, 67-98, "Cosmological implications from observations of type IA supernovae"

[LEM98.1] Lémonon, L., Pierre, M., Cesarsky, J., Elbaz, D., Pelló, R. et al.: 1998, *Astron. Astrophys.* **334**, L21, "Deep ISOCAM view of the core of the lensing cluster A2390"

[LEN97.1] Lennon, D.J., Mao, S., Reetz, J., Gehren, T., Yan, L., Renzini, A.: 1997, *The Messenger* **90**, 30, "Real-time spectroscopy of gravitational microlensing events - probing the evolution of the Galactic Bulge"

[LEN96.1] Lennon, D.J., Mao, S., Fuhrmann, K., Gehren, T.: 1996, *Astrophys. J.* **471**, L23, "The first spectroscopic observations of caustic crossing in a binary microlensing event"

[LEV93.3] Levine, H.I., Petters, A.O.: 1993, *Astron. Astrophys.* **272**, L17, "New caustic singularities in multiple lens plane gravitational lensing"

[LEV93.2] Levine, H.I., Petters, A.O., Wambsganss, J.: 1993, *J. Math. Phys.* **34**, 4781, "Applications of singularity theory to gravitational lensing I: Multiple lens planes"

[LEW98.5] Levin, J., Scannapieco, E., de Gasperis, G., Silk, J., Barrow, J.D.: 1998, *Phys. Rev. D* **58**, 123006, "How the universe got its spots"

[LEW01.3] Lewis, G.F.: 2001, *Astron. Astrophys.* **380**, 292-299, "Gravitational microlensing of stars with transiting planets"

[LEW98.3] Lewis, G.F., Belle, K.E.: 1998, *Monthly Notices Roy. Astron. Soc.* **297**, 69, "Microlensing of broad absorption line quasars"

[LEW00.4] Lewis, G.F., Bland-Hawthorn, J., Gibson, B.C., Putman, M.E.: 2000, *Publ. Astron. Soc. Pac.* **112**, 1300, "Detecting dark matter in high velocity clouds"

[LEW02.1] Lewis, G.F., Carilli, C., Papadopoulos, P., Ivison, R.J.: 2002, *Monthly Notices Roy. Astron. Soc.* **330**, L15, "Resolved nuclear CO(1-0) emission in APM08279+5255: Gravitational lensing by a naked cusp?"

[LEW98.4] Lewis, G.F., Chapman, S.C., Ibata, R.A., Irwin, M.J., Totten, E.J.: 1998,, *Astrophys. J.* **505**, L1, "Submillimeter observations of the ultraluminous broad absorption line quasar APM 08279+5255"

[LEW99.2] Lewis, A.D., Ellingson, E.: 1999, *Astrophys. J.* **517**, 587, "X-Ray Mass Estimates at z 0.3 for the Canadian Network for Observational Cosmology Cluster Sample"

[LEW98.2] Lewis, G.F., Ibata, R.A..: 1998, *Astrophys. J.* **501**, 478, "Quasar image shifts resulting from gravitational microlensing "

[LEW00.1] Lewis, G.F., Ibata, R.A.: 2000, *Astrophys. J.* **528**, 650, "An investigation of gravitational lensing in the southern BL Lac PKS 0537-441"

[LEW00.3] Lewis, G.F., Ibata, R.A: 2000, *Astrophys. J.* **539**, L63, "Probing the atmospheres of planets orbiting microlensed stars via polarization variability"

[LEW01.1] Lewis, G.F., Ibata, R.A.: 2001, *Astrophys. J.* **549**, 46, "The search for cosmological black holes: A surface brightness variability test"

[LEW03.1] Lewis, G.F., Ibata, R.A.: 2003, *Monthly Notices Roy. Astron. Soc.* **340**, 562-572, "Microlensing-induced absorption-line variability"

[LEW02.2] Lewis, G.F., Ibata, R.A., Ellison, S.L., Aracil, B., Petitjean, P., Pettini, M., Srianand, R.: 2002, *Monthly Notices Roy. Astron. Soc.* **334(1)**, L7-L10, "Spatially resolved STIS spectra of the gravitationally lensed broad absorption line quasar APM08279+5255: the nature of component C and evidence for microlensing"

[LEW00.5] Lewis, G.F., Ibata, R.A., Wyithe, J.S.B.: 2000, *Astrophys. J.* **542**, L9, "Searching for MACHOs in galaxy clusters"

[LEW98.1] Lewis, G.F., Irwin, M.J., Hewett, P.C., Foltz, C.B.: 1998, *Monthly Notices Roy. Astron. Soc.* **295**, 573, "Microlensing-induced spectral variability in Q2237+0305"

[LEW95.1] Lewis, G.F., Irwin, M.J.: 1995, *Monthly Notices Roy. Astron. Soc.* **276**, 103, "The statistics of microlensing light curves- I. Amplification probability distributions"

[LEW96.1] Lewis, G.F., Irwin, M.J.: 1996, *Monthly Notices Roy. Astron. Soc.* **283**, 225, "The statistics of microlensing light curves- II. Temporal analysis"

[LEW93.1] Lewis, G.F., Miralda-Escudé, J., Richardson, D.C., Wambsganss, J.: 1993, *Monthly Notices Roy. Astron. Soc.* **261**, 647, "Microlensing light curves: a new and efficient numerical method"

[LEW99.1] Lewis, G.F., Robb, R.M., Ibata, R.A.: 1999, *Publ. Astron. Soc. Pacific* **111**, 1503, "Photometric monitoring of the gravitationally lensed ultraluminous broad absorption line quasar APM 08279+5255"

[LI 02.1] Li, L.-X., Ostriker, J.-P.: 2002, *Astrophys. J.* **566**, 652-666, "Semi-analytical models for lensing by dark halos: I. Splitting angles"

[LI 03.1] Li, L.-X., Ostriker, J.-P.: 2003, *Astrophys. J.* **595**, 603-613, "Gravitational Lensing by a Compound Population of Halos: Standard Models"

[LIA00.1] Liang, H., Lémonon, L., Valtchanov, I., Pierre, M., Soucail, G.: 2000, *Astron. Astrophys.* **363**, 440, "Probing the gravitational potential of a nearby lensing cluster Abell 2104"

[LID99.1] Lidman, C., Courbin, F., Meylan, G., Broadhurst, T., Frye, B., Welch, W.J.W.: 1999, *Astrophys. J.* **514**, L57, "The redshift of the gravitationally lensed radio source PKS 1830-211"

[LID00.1] Lidman, C., Courbin, F., Kneib, J.-P., Golse, G., Castander, F., Soucail, G.: 2000, *Astron. Astorphys.* **364**, L62, "Exploring the gravitationally lensed system HE1104-1805: VLT spectroscopy of the lens at z=0.729"

[LIE64.1] Liebes, S.: 1964, *Phys. Rev. B* **133**, 835, "Gravitational lenses"

[LIE69.1] Liebes, S.: 1969, *Americ. J. of Phys.* **37**, 103, "Gravitational lens simulator"

[LIL94.1] Liliya, L., Rodrigues-Williams, L.L.R., Hogan, C.J.: 1994, *Astron. J.* **107**, 451, "Statistical association of QSOs with foreground galaxy cluster"

[LIN91.1] Lindblad, P.O., Hjelm, M.: 1991, *IAU Circular* **5221**, "H1413+117"

[LIN88.1] Linder, E.V.: 1988, *Astron. Astrophys.* **206**, 199, "Isotropy of the microwave background by gravitational lensing"

[LIN90.1] Linder, E.V.: 1990, *Monthly Notices Roy. Astron. Soc.* **243**, 353, "Analysis of gravitationally lensed microwave background anisotropies"

[LIN90.2] Linder, E.V.: 1990, *Monthly Notices Roy. Astron. Soc.* **243**, 362, "The linearly perturbed sky"

[LIN97.1] Linder, E.V.: 1997, *Astron. Astrophys.* **323**, 305, "Correlated gravitational lensing of the cosmic microwave background"

[LIN88.2] Linder, E.V., Schneider, P.: 1988, *Astron. Astrophys.* **204**, L8, "Quasar-galaxy associations by gravitational lensing revisited"

[LIN88.3] Linder, E.V., Schneider, P., Wagoner, R.V.: 1988, *Astrophys. J.* **324**, 786, "Gravitational lensing statistics of amplified supernovae"

[LIN36.1] Link, F.: 1936, *CRAS* **202**, 917, "Sur les conséquences photométriques de la déviation d'Einstein"

[LIN37.1] Link, F.: 1937, *Bullettin Astronomique* **10**, 73, "Sur les conséquences photométriques de la déviation d'Einstein"

[LIN67.1] Link, F.: 1967, *Bull. Astron. Inst. Czechoslovakia* **18**, 215, "Photometric tables for Einstein's deflection of the light"

[LIN98.1] Link, R., Pierce, M.J.: 1998, *Astrophys. J.* **502**, 63, "Cosmological parameters from multiple-arc gravitational lensing systems. I. Smooth lensing potentials"

[LIU95.1] Liu, J.M., Gao, J.G.: 1995, *Monthly Notices Roy. Astron. Soc.* **277**, 152, " Gravitational lensing and anisotropies of cosmic background radiation on the small angular scales"

[LIU96.1] Liu, M.C., Graham, J.M., Wright, G.S.: 1996, *Astrophys. J.* **470**, 771, "IRAS FSC 15307+3252: Gravitationally-lensed Seyfert or cannibal elliptical at z=0.93?"

[LIS02.1] Lissauer, J.J.: 2002, *Nature* **419**, 355 - 358, "Extrasolar planets"

[LLO81.1] Lloyd, C.: 1981, *Nature* **294**, 727, "Intrinsic variations of the double quasar 0957+561 A, B"

[LOB95.1] Loeb, A., Sasselov, D.: 1995, *Astrophys. J.* **449**, L33, "Removing degeneracy of microlensing light curves through narrowband photometry of giants"

[LOD19.1] Lodge, O.J.: 1919, *Nature* **104**, 354, "Gravitation and light"

[LOE94.2] Loeb, A., Mao, S.: 1994, *Astrophys. J.* **435**, L109, "Evidence from gravitational lensing for a nonthermal pressure support in the cluster of galaxies A2218"

[LOE95.1] Loeb, A., Mao, S.: 1995, *Astrophys. J.* **449**, L33, "Removing degeneracy of microlensing light curves through narrawband photometry of giants"

[LOE98.1] Loeb, A., Perna, R.: 1998, *Astrophys. J.* **495**, 597, "Microlensing of γ-ray burst afterglows"

[LOE97.1] Loeb, A., Refregier, A.: 1997, *Astrophys. J.* bf 476, L59, "Effect of gravitational lensing on measurements of the Sunyaev-Zeldovich effect"

[LOE94.1] Loewenstein, M.: 1994, *Astrophys. J.* **431**, 91, "Implications for gravitational lensing and the dark matter content in clusters of galaxies from spatially resolved x-ray spectra"

[LOM02.3] Lombardi, M.: 2002, *Astron. Astrophys.* **395**, 733-745, "Interpolation and smoothing"

[LOM98.1] Lombardi, M., Bertin, G.: 1998, *Astron. Astrophys.* **330**, 791, "Improving the accuracy of mass reconstructions from weak lensing: local shear measurements"

[LOM98.2] Lombardi, M., Bertin, G.: 1998, *Astron. Astrophys.* **335**, 1, "Improving map to the mass distribution"

[LOM99.1] Lombardi, M., Bertin, G.: 1999, *Astron. Astrophys.* **342**, 337, "Weak lensing and cosmology"

[LOM99.2] Lombardi, M., Bertin, G.: 1999, *Astron. Astrophys.* **348**, 38, "A fast direct method of mass reconstruction for gravitational lenses"

[LOM00.1] Lombardi M., Rosati P., Nonino M., Girardi M., Borgani S., Squires, G: 2000, *Astron. Astrophys.* **363**, 401, "Weak lensing mass reconstruction of MS1008.1-1224 with the VLT"

[LOM01.1] Lombardi, M., Schneider, P.: 2001, *Astron. Astrophys.* **373**, 359, "Smooth maps from clumpy data"

[LOM02.2] Lombardi, M., Schneider, P.: 2002, *Astron. Astrophys.* **392**, 1153-1174, "Smooth maps from clumpy data: Covariance analysis"

[LOM02.1] Lombardi, M., Schneider, P., Morales-Merino, C.: 2002, *Astron. Astrophys.* **382**, 769-786, "The noise of cluster mass reconstructions from a source redshift distribution"

[LON92.1] Long, L.F., Jian, M.L.: 1992, *Astron. Astrophys.* **264**, 385, "Gravitational optical scintillation and anisotropy of the cosmic microwave background"

[LOP99.1] Lopez, S., Reimers, D., Rauch, M., Sargent, W.L.W., Smette, A.: 1999, *Astrophys. J.* **513**, 598, "First comparison of ionization and metallicity in two lines of sight toward HE 1104-1805 AB at z=1.66"

[LOV98.1] Lovell, J.E.J., Jauncey, D.L., Reynolds,, J.E., Wieringa, M.H., King, E.A. et al.: 1998, *Astrophys. J.* **508**, L51, "The time delay in the gravitational lens PKS 1830-211"

[LOV96.1] Lovell, J., Reynolds, J.E., Jauncey, D.L., Backus, P.R., McCulloch, P.M. et.al.: 1996, *Astrophys. J.* **472**, L5, " PKS 1830-211: a possible compound gravitational lens"

[LUB00.1] Lubin, L.M., Fassnacht, C.D., Readhead, A.C.S., Blandford, R.D., Kundic, T.: 2000, *Astron. J.* **119**, 451, "A Keck survey of gravitational lens systems: I. Spectroscopy of SBS 0909+532, HST 1411+5211, and CLASS B2319+051"

[LUP92.1] Luppino, G.A., Gioia, I.M.: 1992, *Astron. Astrophys.* **265**, L9, "Gravitationally lensed arcs in two x-ray selected clusters of galaxies at z=0.426 and z=0.583"

[LUP95.1] Luppino, G.A., Gioia, I.M.: 1995, *Astrophys. J.* **445**, L77, "Constraints on cold-dark-matter theories from observations of massive, X-ray luminous clusters

of galaxies at high redshift"
[LUP93.1] Luppino, G.A., Gioia, I.M., Annis, J., Le Fèvre, O., Hammer, F.: 1993, *Astrophys. J.* **416**, 444, "The complex, gravitationally lensed arc system in the x-ray-selected cluster of galaxies MS 0440+0204"
[LUP99.1] Luppino, G.A., Gioia, I.M., Hammer, F., Le Fèvre, O., Annis, J.A.: 1999, *Astronomy. Astrophys. Sup.* **136**, 117, "A search for gravitational lensing in 38 X-ray selected clusters of galaxies"
[LUP97.1] Luppino, G.A., Kaiser, N.: 1997, *Astrophys. J.* **475**, 20, "Detection of weak lensing by a cluster of galaxies at z=0.83"
[LYN86.1] Lynds, R., Petrosian, V.: 1986, *Bull. Am. Astr. Soc.* **18**, 1014, "Giant luminous arcs in galaxy clusters"
[LYN89.1] Lynds, R., Petrosian, V.: 1989, *Astrophys. J.* **336**, 1, "Luminous arcs in clusters of galaxies"
[MAC82.1] Maccacaro, T., Feigelson, E.D., Fener, M., Giacconi, R., Gioia, I.M. et al.: 1982, *Astrophys. J.* **253**, 504, "A medium sensivity X-ray survey using the Einstein Observatory: the LogN-LogS relation for extragalactic X-ray sources"
[MAC00.1] Maccone, C.: 2000, *Acta Astronautica* **46**, 605-614, "Cosmic microwave background and gravitational lens of the Sun"
[MAC99.1] Macias-Perez, J.F., Helbig, P., Quast, R., Wilkinson, A., Davies, R.D.: 1999, *Astron. Astrophys.* **353**, 419, "Gravitational lensing statistics with extragalactic surveys. IV.Joint constraints on Λ_0 and Ω_0 from gravitational lensing statistics and CMB anisotropies"
[MAE73.1] Maeder, A.: 1973, *Astron. Astrophys.* **26**, 215, "Light curves of the gravitational lens-like action for binaries with degenerate stars"
[MAG88.1] Magain, P., Surdej, J., Swings, J.-P., Borgeest, U., Kayser, R. et al.: 1988, *Nature* **334**, 325, "Discovery of a quadruply lensed quasar: the "clover leaf" H 1413+117"
[MAG92.1] Magain, P., Surdej, J., Vanderriest, C., Pirenne, B., Hutsemékers, D.: 1992, *Astron. Astrophys.* **253**, L13, "Q1208+1011: the most distant multiply imaged quasar, or a binary?" (Erratum: 1993, *Astron. Astrophys.* **272**, 383)
[MAK96.1] Makino, N.: 1996, *Publ. Astron. Soc. Japan* **48**, 573, "Structure of an X-ray cluster of galaxies with a central giant elliptical galaxy and gravitational lensing"
[MAK99.1] Makino, N., Katsuaki, A.: 1999, *Astrophys. J.* **512**, 9, "Cluster mass estimate and a cusp of the mass-density distribution in clusters of galaxies"
[MAK89.1] Makino, F., Kii, T., Hayashida, K., Inoue, H., Tanaka, Y. et al.: 1989, *Astrophys. J.* **347**, L9, "X-ray outburst of the quasar 3C 279"
[MAK95.1] Makino, N., Tomita, K.: 1995, *Publ. Astron. Soc. Japan* **47**, 117, "Gravitationally lensed images and the core radii in a cluster with a central cD galaxy"
[MAL02.1] Maller, A., Kolatt, T., Bartelmann, M., Blumenthal, G.R.: 2002, *Astrophys. J.* **569**, 72-82, "Lensing by Lyman Limit Systems: Determining the Mass to Gas Ratio"
[MAL00.1] Maller, A.H., Simard, L., Guhathakurta, P., Hjörth, J., Jaunsen, A.,O. et al.: 2000, *Astrophys. J.* **533**, 194, "Breaking the disk/halo degeneracy with gravitational lensing"

[MAL95.1] Malhotra, S., Turner, E.L.: 1995, *Astrophys. J.* **445**, 553, "Quasar population in a cosmological constant-dominated flat univers"

[MAL97.2] Malhotra, S., Rhoads, J.E., Turner, E.L.: 1997, *Monthly Notices Roy. Astron. Soc.* **288**, 138, "Through a lens darkly: Evidence for dusty gravitational lenses"

[MAL97.1] Maller, A.H., Flores, R.A., Primack, J.R.: 1997, *Astrophys. J.* **486**, 681, "Inclination effects in spiral galaxy gravitational lensing"

[MAN82.1] Mandzhos, A.V.: 1982, *Soviet Astron. Letters* **7**, 213, "The mutual coherence of gravitational-lens images"

[MAN84.1] Mandzhos, A.V.: 1984, *Soviet Astron. Letters* **9**, 275, "Gravitational-lens parameters from image radio interferometry"

[MAN90.1] Mandzhos, A.V.: 1990, *Soviet Astron. Letters* **16**, 255, "Mutual coherence of the images of quasar microlensed by double star"

[MAN91.1] Mandzhos, A.V.: 1991, *Soviet Astron.* **35**, 11, "Mutual coherence properties of images of quasar observed through a gravitational lens. General solution for continuous images"

[MAN91.2] Mandzhos, A.V.: 1991, *Soviet Astron.* **35**, 116, "Mutual coherence properties of images of quasar observed through a gravitational lens. Microlensing by a binary star"

[MAN95.1] Mandzhos, A.V.: 1995, *Astronomy Reports* **39**, 129, "Mutually interferometric and structural properties of the images of an object in the vicinity of the gravitational-lens cusp point: The image structure near the cusp point"

[MAN95.2] Mandzhos, A.V.: 1995, *Astronomy Reports* **39**, 135, "Mutually-interferometric and structural properties of the images of an object in the vicinity of the gravitational lens cusp: The degree of mutual coherence of the images"

[MAN95.3] Mannheim, P.D.: 1995, *AIP Conf. Proceedings, "Dark Matter", College Park, MD, Oct.94 (eds. Holt, S.S., Bennett, C.L.W)* **336**, p.505, " Microlensing, Newton-Einstein gravity and conformal gravity"

[MAN01.1] Manning, C., Spinrad, H.: 2001, *Astron. J.* **122**, 113, "The dust temperature of the "dusty" radio galaxy MG 1019+0535: Evidence for an outflow"

[MAN99.1] Mantovani, F., Junor, W., Valerio, C., McHardy, I.: 1999, *Astron. Astrophys.* **346**, 397, "VLBI observations of 3C 273 at 22 GHz and 43 GHz I.Search for short time-scale structural variation"

[MAO91.1] Mao, S.: 1991, *Astrophys. J.* **380**, 9, "Statistics of gravitational lenses: the uncertainties"

[MAO92.3] Mao, S.: 1992, *Astrophys. J.* **389**, 63, "Gravitational microlensing by a single star plus external shear"

[MAO92.4] Mao, S.: 1992, *Astrophys. J.* **389**, L41, "Gravitational lensing, time delay and gamma-ray bursts"

[MAO93.4] Mao, S.: 1993, *Astrophys. J.* **402**, 382, "Gravitational microlensing of gamma-ray bursts"

[MAO99.1] Mao, S.: 1999, *Astron. Astrophys.* **350**, L19, "An ongoing parallax microlensing event OGLE-1999-CAR-1 toward Carina"

[MAO95.1] Mao, S., Di Stefano, R.: 1995, *Astrophys. J.* **440**, 22, "Interpretation of gravitational microlensing by binary systems"

[MAO94.1] Mao, S., Kochanek, C.S.: 1994, *Monthly Notices Roy. Astron. Soc.* **268**, 569, "Limits on galaxy evolution"
[MAO01.1] Mao, S., Loeb, A.: 2001, *Astrophys. J.* **547**, L97, "Gravitational microlensing of gamma-ray burst afterglows by single and binary stars"
[MAO91.2] Mao, S., Paczyński, B.: 1991, *Astrophys. J.* **374**, L37, "Gravitational microlensing by double stars and planetary systems"
[MAO96.1] Mao, S., Paczyński, B.: 1996, *Astrophys. J.* **473**, 57, "Mass determination with gravitational microlensing"
[MAO98.2] Mao, S., Reetz, J., Lennon, D.L.: 1998, *Astron. Astrophys.* **338**, 56, "Detecting luminous gravitational microlenses using spectroscopy"
[MAO98.1] Mao, S., Schneider, P.: 1998, *Monthly Notices Roy. Astron. Soc.* **295**, 587, "Evidence for substructure in lens galaxies?"
[MAO02.1] Mao, S., Smith, M.C., Wozniak, P., Udalski, A., Szymanski, M., Kubiak, M. et al.: 2002, *Monthly Notices Roy. Astron. Soc.* **329**, 349, "Optical Gravitational Lensing Experiment. OGLE-1999-BUL-32: the longest ever microlensing event – evidence for a stellar mass black hole?"
[MAO98.3] Mao, S., Witt, H.J.: 1998, *Monthly Notices Roy. Astron. Soc.* **300**, 1041, "Extended source effects in astrometric gravitational microlensing"
[MAO01.2] Mao, S., Witt, H.J., Koopmans, L.V.E.: 2001, *Monthly Notices Roy. Astron. Soc.* **323**, 301, "The influence of central black holes on gravitational lenses"
[MAO01.3] Maoli, R., Van Waerbeke, L., Mellier, Y., Schneider, P., Jain, B. et al.: 2001, *Astron. Astrophys.* **368**, 766-775, "Cosmic shear analysis in 50 uncorrelated VLT fields. Implications for Ω_0, σ_8"
[MAO92.5] Maoz, D.: 1992, *Science with the HST*, p.103, "Studies of gravitational lensing with HST"
[MAO91.3] Maoz, D., Bahcall, J.N., Doxsey, R., Schneider, D.P., Bahcall, N.A. et al.: 1991, *1st Year of HST Observations*, p.200, "The non-proprietary snapshot survey: a search for gravitationally-lensed quasars using the HST Planetary Camera"
[MAO93.1] Maoz, D., Bahcall, J.N., Doxsey, R., Schneider, D.P., Bahcall, N.A. et al.: 1993, *Astrophys. J.* **402**, 69, "The Hubble Space Telescope Snapshot Survey III. Further observations in search of gravitationally lensed quasars"
[MAO92.1] Maoz, D., Bahcall, J.N., Doxsey, R., Schneider, D.P., Bahcall, N.A., Lahav, O., Yanny, B.: 1992, *Astrophys. J.* **394**, 51, "Gravitational lensing of quasars as seen by the Hubble Space Telescope Snapshot Survey"
[MAO93.2] Maoz, D., Bahcall, J.N., Schneider, D.P., Bahcall, N.A., Djorgovski, S. et al.: 1993, *Astrophys. J.* **409**, 28, "The Hubble Space Telescope snapshot survey. IV. A summary of the search for gravitationally lensed quasars"
[MAO92.2] Maoz, D., Bahcall, J.N., Schneider, D.P., Doxsey, R., Bahcall, N.A. et al.: 1992, *Astrophys. J.* **386**, L1, "A gravitational lens candidate discovered with the Hubble Space Telescope"
[MAO94.4] Maoz, D., Gould, A.: 1994, *Astrophys. J.* **425**, L67, "A spectroscopic method to measure MACHO proper motions"

[MAO93.3] Maoz, D., Rix, H.-W.: 1993, *Astrophys. J.* **416**, 425, "Early-type galaxies, dark halos, and gravitational lensing statistics"

[MAO97.1] Maoz, D., Rix, H.-W., Gal-Yam, A., Gould, A.: 1997, *Astrophys. J.* **486**, 75, "A survey for large-image separation lensed quasars"

[MAO94.3] Maoz, E.: 1994, *Astrophys. J.* **428**, L5, "Gravitational microlensing by dark clusters in the galactic halo"

[MAR99.1] Marani, G.F., Nemiroff, R.J., Norris, J.P., Hurley, K., Bonnell, J.T.: 1999, *Astrophys. J.* **512**, L13, "Gravitationally lensed gamma-ray bursts as probes of dark compact objects"

[MAR91.1] Marchandan, S., Nottale, L.: 1991, *Astron. Astrophys.* **251**, 393, "Statistics of gravitational lensing: extended sources"

[MAR97.1] Markevitch, M.: 1997, *Astrophys. J.* **483**, L17, "Abell 2218: X-Ray lensing, merger, or both?"

[MAR98.1] Markovic, D.: 1998, *Monthly Notices Roy. Astron. Soc.* **299**, 929, "On the prospects of inferring the halo structure and the masses of dark objects through parallax microlensing"

[MAR97.2] Markovic, D., Sommer-Larsen, J.: 1997, *Monthly Notices Roy. Astron. Soc.* **288**, 733, "Microlensing, structure of the Galactic halo and determination of the mass function dark objects"

[MAR99.2] Marlow, D.R., Browne, I.W.A., Jackson, N., Wilkinson, P.N.: 1999, *Monthly Not. Roy. Astron. Soc.* **305**, 15, "NICMOS and VLBA observations of the gravitational lens system B 1933+503"

[MAR99.3] Marlow, D.R., Myers, S.T., Rusin, D., Jackson, N., Browne, I.W.A. et al.: 1999, *Astron. J.* **118**, 654, "Class B1555+375: A new four-image gravitational lens system"

[MAR00.2] Marlow, D.R., Rusin, D., Jackson, N., Wilkinson, P.N., Browne, I.W.A., Koopmans, L.: 2000, *Astron. J.* **119**, 2629, "Redshifts of CLASS radio sources"

[MAR01.1] Marlow, D.R., Rusin, D., Norbury, M., Jackson, N., Browne, I.W.A. et al.: 2001, *Astron. J.* **121**, 619, "CLASS B0739+366: A new two-image gravitational lens system"

[MAR98.3] Marri, S., Ferrara, A.: 1998, *Astrophys. J.* **509**, 43, "Gravitational magnification of population III supernovae in hierarchical cosmological models: NGST perspectives"

[MAR00.1] Marri, S., Ferrara, A., Pozzetti, L: 2000, *Monthly Notices Roy. Astron. Soc.* **317**, 265, "Gravitational lensing effects on high redshift type II supernova studies with NGST"

[MAR01.3] Marsh, T.R.: 2001, *Monthly Notices Roy. Astron. Soc.* **324**, 547, "Gravitational lensing in eclipsing binary stars"

[MAR02.1] Martel, H., Premadi, P., Matzner, R.: 2002, *Astrophys. J.* **570**, 17-32, "Light Propagation in Inhomogeneous Universes. III. Distributions of Image Separations"

[MAR00.3] Martel, H., Premadi, P., Matzner, R.A: 2000, *Astrophys. J.* **537**, 28, "Testing the convergence of the multiple lens plane algorithm"

[MAR97.3] Martinez-González, E., Sanz, J.L., Cayón, L.: 1997, *Astrophys. J.* **484**, 1, "The effect of weak gravitational lensing on the cosmic microwave background anisotropy: flat versus open universe models"

[MAR91.2] Marscher, A.P., Bania, T.M.: 1991, *Astrophys. J.* **371**, L77, "Detection of local interstellar CO absorption towards BL Lacertae"

[MAR85.1] Marshall, H.L.: 1985, *Astrophys. J.* **299**, 109, "The evolution of optically selected quasars with z<2.2 and B<20"

[MAT01.2] Matos, T., Becerril, R.: 2001, *Class. Quantum Grav.* **18**, 2015-2024, "An axially symmetric scalar field as a gravitational lens"

[MAT03.1] Mathur, S., Williams, R.J.: 2003, *Astrophys. J.* **589**, L1-L4, "Chandra discovery of the intracluster medium around UM425 at redshift of 1.47"

[MAZ01.1] Mazzotta, P., Markevitch, M., Vikhlinin, A., Forman, W.R., David, L.P.: 2001, *Astrophys. J.* **555**, 205, "Chandra observation of RX J1720.1+2638: a nearly relaxed cluster with a fast-moving core?"

[MAT95.1] Mateo, M., Udalski, A., Szymański, M., Kaluzny, J., Kubiak, M., Krzeminski, W.: 1995, *Astron. J.* **109**, 588, "The optical gravitational lensing experiment: deep photometry of the Sagittarius dwarf spheroidal galaxy"

[MAT92.1] Mathez, G.: 1992, *CFHT Bulletin* **27**, 2, "Les arcs gravitationnels: un outil pour la cosmologie observationnelle"

[MAT92.2] Mathez, G., Fort, B., Mellier, Y., Picat, J.-P., Soucail, G.: 1992, *Astron. Astrophys.* **256**, 343, "A new straight arc detected in a cluster of galaxies at z=0.423"

[MAT97.1] Mathur, S., Nair, S.: 1997, *Astrophys. J.* **484**, 140, "X-ray absorption towards the Einstein Ring source PKS 1830-211"

[MAT00.1] Matsubara, T: 2000, *Astrophys. J.* **537**, L77, "The gravitational lensing in redshift-space correlation functions of galaxies and quasars"

[MAT01.1] Matsubara, T., Jain, B.: 2001, *Astrophys. J. Let.* **552**, L89, "The topology of weak lensing fields"

[MAT92.3] Matyjasek, J., Rogatko, M.: 1992, *Astrophys. Space Sc.* **192**, 299, "Cosmic strings in Lyra geometry"

[MA 03.1] Ma, Chung-Pei: 2003, *Astrophys. J.* **584**, L1-L4, "Schechter versus Schechter: Subarcsecond Gravitational Lensing and Inner Halo Profiles"

[MAY00.1] Mayen, C., Soucail, G.: 2000, *Astron. Astrophys.* **361**, 415, "Depletion curves in cluster lenses: simulations and application to the cluster MS1008-1224"

[MCB87.1] McBreen, B., Metcalfe, L.: 1987, *Nature* **330**, 348, "A galactic gravitational lens as the ultimate astronomical telescope"

[MCB88.1] McBreen, B., Metcalfe, L.: 1988, *Nature* **332**, 234, "Gravitational radiation and gravitational lensing as a source of electromagnetic bursts"

[MCB93.1] McBreen, B., Plunkett, S., Metcalfe, L.: 1993, *Astron. Astrophys. Suppl.* **97**, 81, "Gamma-ray bursts from relativistic jets in cocooned active galactic nuclei and gravitational lensing tests of the cosmological origin"

[MCH92.1] McHardy, I.M., Luppino, G.A., George, I.M., Abraham, R.G., Cooke, B.A.: 1992, *Monthly Notices Roy. Astron. Soc.* **256**, 655, "H 0414+009-an X-ray bright BL Lac with a radiotail in a distant cluster of galaxies"

[MCH94.1] McHardy, I.M., Merrifields, M.R., Abraham, R.G., Crawford, C.S.: 1994, *Monthly Notices Roy. Astron. Soc.* **268**, 681, "Hubble Space Telescope observations of the BL Lac object PKS 1413+135: the host galaxy revealed"

[MCK85.1] McKenzie, R.H.: 1985, *J. Math. Phys.* **26**, 1592, "A gravitational lens produces an odd number of images"

[MCK02.1] McKay, T.A., Sheldon, E.S., Johnston, D., Grebel, E.K., Prada, F.: 2002, *Astrophys. J.* **571**, L85-L88, "Dynamical Confirmation of Sloan Digital Sky Survey Weak-lensing Scaling Laws"

[MCL94.1] McLeod, B., Rieke, M., Weedman, D.: 1994, *Astrophys. J.* **433**, 528, "Infrared observations of the dark matter lens candidate Q2345+007"

[MCM92.1] McMahon, R., Irwin, M., Hazard, C., Corrigan, R.: 1992, *Gemini* **36**, 1, "A sub-arcsecond gravitationally lensed quasar with a redshift of 4.5"

[MED98.1] Mediavilla, E., Arribas, S., del Burgo, C., Oscoz, A., Serra-Ricart, M. et al.: 1998, *Astrophys. J.* **503**, L27, "Two-dimensional spectroscopy reveals an arc of extended emission in the gravitational lens system Q2237+0305"

[MEH01.1] Mehlert, D., Seitz, S., Saglia, R.P., Appenzeller, I., Bender, R. et al.: 2001, *Astron. Astrophys.* **379**, 96-106, "Gravitationally lensed high redshift galaxies in the field of 1E0657-56"

[MEI94.1] Meiksin, A.: 1994, *Astrophys. J.* **431**, 91, "The structure and evolution of Lyman-α forest clouds in the minihalo model"

[MEI02.1] Meisenheimer, K., Wolf, C.: 2002, *Astronomy and Geophysics* **3 (3)**, 3.15-3.21, "Fifty thousand galaxies at a glance"

[MEL98.3] Melchior, A.-L., Afonso, C., Ansari, R., Aubourg, E., Baillon, P.et al.: 1998, *Astron. Astrophys.* **339**, 671, "AGAPEROS: Searches for microlensing in the LMC with the pixel method. II. Selection of possible microlensing events"

[MEL99.2] Melchior, A.-L., Afonso, C., Ansari, R., Aubourg, E., Baillon, P. et al.: 1999, *Astron. Astrophys. Sup.* **134**, 377, "AGAPEROS: Searching for microlensing in the LMC with the pixel method. I. Data treatment and pixel light curves production"

[MEL99.2] Melchior, A.-L., Afonso, C., Ansari, R., Aubourg, E., Baillon, P. et al.: 1999, *Astron. Astrophys. Sup.* **134**, 377, "AGAPEROS: Searching for microlensing in the LMC with the pixel method. I. Data treatment and pixel light curves production"

[MEL99.1] Mellier, Y.: 1999, *Annu. Rev. Astron. Astrophys.* **37**, 127-189, "Probing the universe with weak lensing"

[MEL94.1] Mellier, Y., Dantel-Fort, M., Fort, B., Bonnet, H.: 1994, *Astron. Astrophys.* **289**, L15, "Detection of a distant cluster in the center of the shear field in Q2345+007"

[MEL93.2] Mellier, Y., Fort, B., Kneib J.-P.: 1993, *Astrophys. J.* **407**, 33, "The dark matter distribution in Cl2137-23 from the modelling of the multiple arc systems"

[MEL93.3] Mellier, Y., Fort, B., Bonnet, H., Kneib J.-P.: 1993, *Cosmological Aspects of X-Ray Clusters of Galaxies, NATO Advanced Study Institute, W. Seitter et al. eds.*, p.219, "Cluster lenses and dark matter distribution in clusters of galaxies"

[MEL91.1] Mellier, Y., Fort, B., Soucail, G., Mathez, G., Cailloux, M.: 1991, *Astrophys. J.* **380**, 334, "Spectroscopy of the gravitational arcs in Cl 2244-02, in A 370 (arclet A5) and in Cl 0024+1654"

[MEL88.1] Mellier, Y., Soucail, G., Fort, B., Mathez, G.: 1988, *Astron. Astrophys.*

199, 13, "Photometry, spectroscopy and content of the distant cluster of galaxies Abell 370"

[MEL02.1] Mellier, Y., van Waerbeke, L.: 2002, *Class. Quantum Grav. 19*, 3505-3515, "Cosmological weak lensing"

[MEL93.1] Melnick, J., Altieri, B., Gopal-Krishna, Giraud, E.: 1993, *Astron. Astrophys.* **271**, L5, "Discovery of a luminous giant arc in a high redshift cluster of galaxies"

[MEL90.1] Melott, A.L., Shandarin, S.F.: 1990, *Nature* **346**, 633, "Generation of large scale cosmological structures by gravitational clustering"

[MEN02.1] Ménard, B., Bartelmann, M.: 2002, *Astron. Astrophys.* **386**, 784-795, "Cosmological information from quasar-galaxy correlations induced by weak lensing"

[MEN03.1] Meneghetti, M., Bartelmann, M., Moscardini, L.: 2003, *Monthly Notices Roy. Astron. Soc.* **340 (1)**, 105-114, "Cluster cross-sections for strong lensing: analytic and numerical lens models"

[MEN00.1] Meneghetti, M., Bolzonella, M., Bartelmann, M., Moscardini, L., Tormen, G.: 2000, *Monthly Notices Roy. Astron. Soc.* **314**, 338, "Effects of cluster galaxies on arc statistics"

[MEN01.1] Meneghetti, M., Yoshida, N., Bartelmann, N., Moscardini, L., Springel, V. et al.: 2001, *Monthly Notices Roy. Astron. Soc.* **325**, 435, "Giant cluster arcs as a constraint on the scattering cross-section of dark matter"

[MEN96.1] Menten, K.M., Reid, M.J.: 1996, *Astrophys. J.* **465**, L99, "Formaldehyde Absorption at z = 0.685 toward the Einstein Ring B0218+357"

[MER98.1] Méra, D., Chabrier, G., Schaeffer, R.: 1998, *Astron. Astrophys.* **330**, 937, "Towards a consistent model of the Galaxy. I. Kinematic properties, star counts and microlensing observations"

[MER98.2] Méra, D., Chabrier, G., Schaeffer, R.: 1998, *Astron. Astrophys.* **330**, 953, "Towards a consistent model of the Galaxy. II. Derivation of the model"

[MER92.1] Merrifield, M.R.: 1992, *Astron. J.* **104**, 1306, "Macrolensing, microlensing and BL Lacertae objects"

[MES88.1] Mészáros, P., Riffert, H.: 1988, *Astrophys. J.* **327**, 712, "Gravitational light bending near neutron stars. II. Accreting pulsar spectra as a function of phase"

[MET95.1] Metcalf, R.B.: 1995, *Astron. J.* **110**, 869, "Gravitational microlensing by a galactic bar"

[MET99.1] Metcalf, R.B.: 1999, *Monthly Notices Roy. Astron. Soc.* **305**, 746, "Gravitational lensing of high-redshift Type Ia supernova: a probe of medium scale structure"

[MET01.3] Metcalf, R.B.: 2001, *Monthly Notices Roy. Astron. Soc.* **327**, 115-125, "Probing the structure of dark matter in Galaxy haloes and clusters using supernovae"

[MET02.2] Metcalf, R.B.: 2002, *Astrophys. J.* **580**, 696-704, "The detection of pure dark matter objects with bent multiply imaged radio jets"

[MET01.2] Metcalf, R.B., Madau, P.: 2001, *Astrophys. J.* **563**, 9-20, "Compound gravitational lensing as a probe of dark matter substructure within galaxy halos"

[MET99.2] Metcalf, R.B., Silk, J.: 1999, *Astrophys. J.* **519**, L1, "A fundamental test of the nature of dark matter"
[MET96.1] Metcalf, R.B., Silk, J.: 1996, *Astrophys. J.* **464**, 218, "Gravitational microlensing by clustered MACHOs"
[MET97.1] Metcalf, R.B., Silk, J.: 1997, *Astrophys. J.* **489**, 1, "Gravitational magnification of the cosmic microwave background"
[MET98.1] Metcalf, R.B., Silk, J.: 1998, *Astrophys. J.* **492**, L1, "On breaking cosmic degeneracy"
[MET02.1] Metcalf, R.B., Zhao, HS.: 2002, *Astrophys. J.* **567**, L5-L8, "Flux ratios as a probe of dark substructures in quadruple-image gravitational lenses"
[MET86.1] Metcalfe, L., McBreen, B.: 1986, *Astron. Astrophys.* **166**, L5, "Consequences of gravitational lensing for gamma radiation from 3C 273"
[MET00.1] Metzger, M.R., Ma, C.-P.: 2000, *Astron. J.* **120**, 2879, "Lensed arcs and inner structure of Abell 697"
[MET01.1] Metzler, C.A., White , M., Loken, C.: 2001, *Astrophys. J.* **547**, 560, "The effect of the cosmic web on cluster weak lensing mass estimates"
[MET63.1] Metzner, A.W.K.: 1963, *J. Math. Phys.* **4**, 1194, "Observable properties of large relativistic masses"
[MET99.4] Metzler, C., White, M., Norman, M., Loken, C.: 1999, *Astrophys. J.* **520**, L9, "Weak gravitational lensing and cluster mass estimates"
[MEY88.1] Meylan, G., Djorgovski, S.: 1988, *IAU Symposium* **134**, 271, "Discovery of a probable gravitational lens"
[MEY89.1] Meylan, G., Djorgovski, S.: 1989, *Astrophys. J.* **338**, L1, "UM 425: a new gravitational lens candidate"
[MEY90.1] Meylan, G., Djorgovski, S., Weir, N., Shaver, P.: 1990, *The Messenger* **59**, 47, "PHL 1222: an Interacting Quasar Pair"
[MIC97.1] Michalitsianos, A.G., Dolan, J.F., Kazanas, D., Bruhweiler, F.C., Boyd, P.T. et al.: 1997, *Astrophys. J.* **474**, 598, "Ly α Absorption-Line Systems in the Gravitational Lens Q0957+561"
[MIC97.2] Michalitsianos, A.G., Falco, E.E., Muñoz, J.A., Kazanas, D.: 1997, *Astrophys. J.* **487**, L117, "The detection of the */lambda* 2175 feature and further analysis of the broad absorption line profile structure in the gravitational lens candidate UM425"
[MIC93.1] Michalitsianos, A.G., Nichols-Bohlin, J., Bruhweiler, F.C., Kazanas, D., Kondo, Y. et al.: 1993, *Astrophys. J.* **417**, L57, "Detection of far-ultraviolet high-excitation line emission and Lyman β absorption in the gravitational lens Q 0957+561"
[MIC95.1] Michalitsianos, A.G., Oliversen, R.J.: 1995, *Astrophys. J.* **439**, 599, "The ultraviolet spectrum of the gravitational lens candidate UM 425 = QSO 1120+19: Evidence for broad absorption line (BAL) structure"
[MIC96.1] Michalitsianos, A.G., Oliversen, R.J., Maran, S.P.: 1996, *Astrophys. J.* **458**, 67, "Far-UV spectral variability in the gravitational lens candidate UM 425"
[MIC96.2] Michalitsianos, A.G., Oliversen, R.J., Nichols, J.: 1996, *Astrophys. J.* **461**, 593, "Detection of OVI λ 1033 emission and far-ultraviolet spectral variability

in the gravitational lens PG1115+080"
[MIE00.1] Mielke, E.W., Schunck, F.: 2000, *Nucl. Phys.* **564**, 185, "Boson Stars: Alternatives to primordial black holes?"
[MIH01.1] Mihov, B.M.: 2001, *Astron. Astrophys.* **370**, 43, "The external shear in the gravitationally lensed system Q 2237+0305: A two-plane lens modelling"
[MIK59.1] Mikhailov, A.A.: 1959, *Monthly Notices Roy. Astron. Soc.* **119**, 593, "The deflection of light by the gravitational field of the Sun"
[MIL81.1] Miller, H.R.: 1981, *Astrophys. J.* **244**, 426, "The recent variability of 3C 446"
[MIL89.1] Miller, H.R., Carini, M.T., Goodrich, B.D.: 1989, *Nature* **337**, 627, "Detection of microvariability for BL Lacertae objects"
[MIL81.2] Miller, J.S., Antonucci, R.R.J., Keel, W.C.: 1981, *Nature* **289**, 153, "Variability of the double quasar 0957+561 A, B"
[MIL88.1] Miller, J.S., Goodrich, R.W.: 1988, *Nature* **331**, 685, "Spectrophotometry and polarimetry of the giant luminous arcs in the clusters 2224-02 and Abell 370"
[MIL00.1] Milsztajn, A., Lasserre, T. and EROS collaboration: 2000, *Nuclear Physics B - Proceedings Supplements* **91**, 413-419, "Not enough stellar mass Machos in the Galactic halo"
[MIN78.1] Minakov, A.A.: 1978, *Soviet Astron.* **22**, 551, "The short-wave limit of the gravitational focusing effect imposed by asphericity of the gravity field of the lens star"
[MIN91.1] Minakov, A.A., Shalyapin, V.N.: 1991, *Soviet Astron. Letters* **17**, 140, "Evaluation of the parameters of the gravitational lens 2237+0305"
[MIN02.2] Minniti, D., Barbuy, B., Hill, V., Bica, E., Ortolani, S. et al.: 2002, *Astron. Astrophys.* **384**, 884-889, "VLT-UVES spectroscopy of a bulge giant magnified through microlensing: EROS-BLG-2000-5"
[MIN02.3] Minniti, D., Barbuy, B., Hill, V., Bica, E., Ortolani, S. et al.: 2002, *Astron. Astrophys.* **389**, 419, "VLT-UVES spectroscopy of a bulge giant magnified through microlensing: EROS-BLG-2000-5 (Erratum)"
[MIN02.1] Minty, E.M., Heavens, A.F., Hawkins, M.R.S.: 2002, *Monthly Notices Roy. Astron. Soc.* **330**, 378-382, "Testing dark matter with high-redshift supernovae"
[MIR91.1] Miralda-Escudé, J.: 1991, *Astrophys. J.* **370**, 1, "Gravitational lensing by clusters of galaxies: constraining the mass distribution"
[MIR91.2] Miralda-Escudé, J.: 1991, *Astrophys. J.* **379**, 94, "The magnification of stars crossing a caustic. I. Lenses with smooth potentials"
[MIR91.3] Miralda-Escudé, J.: 1991, *Astrophys. J.* **380**, 1, "The correlation function of galaxy ellipticities produced by gravitational lensing"
[MIR92.1] Miralda-Escudé, J.: 1992, *Astrophys. J.* **390**, L65, "Using arcs in clusters of galaxies as probes to cluster potentials and the faint blue galaxies"
[MIR93.1] Miralda-Escudé, J.: 1993, *Astrophys. J.* **403**, 497, "Statistics of highly magnified gravitational images in clusters of galaxies I. Implications for the clusters"
[MIR93.2] Miralda-Escudé, J.: 1993, *Astrophys. J.* **403**, 509, "Statistics of highly magnified gravitational images in clusters of galaxies II. Implications for the

sources"
[MIR95.1] Miralda-Escudé, J.: 1995, *Astrophys. J.* **438**, 514, "Gravitational lensing by a cluster of galaxies and the central cD galaxy: measuring the mass profile"
[MIR95.2] Miralda-Escudé, J.: 1995, *"Clusters of Galaxies",14th Moriond Astrophys. Meeting, 1994*, p.353, "Applications of gravitationally lensed long arcs in clusters of galaxies"
[MIR96.1] Miralda-Escudé, J.: 1996, *Astrophys. J.* **470**, L113, "Microlensing events from measurements of the deflection"
[MIR99.1] Miralda-Escudé, J.: 1999, *Astrophys. J.* **512**, 21, "Small-angle scattering of X-rays from extragalactic sources by dust in intervening galaxies"
[MIR02.1] Miralda-Escudé, J.: 2002, *Astrophys. J.* **564**, 60-64, "A test of the collisional dark matter hypothesis from cluster lensing"
[MIR94.1] Miralda-Escudé, J., Babul, A.: 1994, *Cosmological Aspects of X-ray Clusters of Galaxies, NATO Advanced Study Institute, W. Seitter et al. eds.*, p.241, "Using gravitational lensing to test the pressure-supported hot intracluster gas hypothesis in A2218"
[MIR95.3] Miralda-Escudé, J., Babul, A.: 1995, *Astrophys. J.* **449**, 18, "Gravitational lensing in clusters of galaxies: new clues regarding the dynamics of intracluster gas"
[MIR93.3] Miralda-Escudé, J., Fort, B.: 1993, *Astrophys. J.* **417**, L5, "Gravitational lensing pairs in clusters of galaxies: a new probe to the high-redshift universe"
[MIR92.2] Miralda-Escudé, J., Lehár, J.: 1992, *Monthly Notices Roy. Astron. Soc.* **259**, 31P, "Optical rings: a large number of gravitational lenses?"
[MIR93.4] Miralda-Escudé, J., Rees, M.J.: 1993, *Monthly Notices Roy. Astron. Soc.* **260**, 617, "Tests for minihalo model of the Lyman-α forest"
[MIR02.2] Miralles, J.-M., Erben, T., Hammerle, H., Schneider, P., Fosbury, R.A.E., Freudling, W., Pirzkal, N., et al.: 2002, *Astron. Astrophys.* **388**, 68-73, "A conspicuous tangential alignment of galaxies in a STIS Parallel Shear Survey field: A new dark-lens candidate?"
[MIT80.1] Mitskievic, N.V.: 1980, *Soviet Astron.* **24**, 771, "On the criteria for observation of the gravitational lens effect"
[MIY95.1] Miyamoto, M., Yoshii, Y.: 1995, *Astron. J.* **110**, 1427, "Astrometry for determining the MACHO mass and trajectory"
[MIY02.1] Miyazaki, S., Hamana, T. ,Shimasaku, K., Furusawa, H., Doi, M. et al.: 2002, *Astrophys. J.* **580**, L97-L100, "Searching for Dark Matter Halos in the Suprime-Cam 2 Square Degree Field"
[MOE98.1] Moessner, R., Jain, B.: 1998, *Monthly Notices Roy. Astron. Soc.* **294**, L18, "Angular cross-correlation of galaxies: a probe of gravitational lensing by large-scale structure"
[MOE98.2] Moessner, R., Jain, B., Villumsen, J.V.: 1998, *Monthly Notices Roy. Astron. Soc.* **294**, 291, "The effect of weak lensing on the angular correlation function of faint galaxies"
[MOE01.2] Moertsell, E., Gunnarsson, C., Goobar, A.: 2001, *Astrophys. J.* **561**, 106, "Gravitational lensing of the farthest known supernova SN1997ff"
[MOL99.1] Molikawa, K., Hattori, M., Kneib, J.-P., Yamashita, K.: 1999, *Astron.*

Astrophys. **351**, 413, "The giant luminous arc statistics II. Spherical lens models based on ROSAT HRI data"

[MOL98.1] Möller, O., Blain, A.W.: 1998, *Monthly Notices Roy. Astron. Soc.* **299**, 845, "Strong gravitational lensing by spiral galaxies"

[MOL01.2] Möller, O., Blain, A.W.: 2001, *Monthly Notices Roy. Astron. Soc.* **327**, 339-349, "Strong gravitational lensing by multiple galaxies"

[MOL02.1] Möller, O., Natarajan, P., Kneib, J.-P., Blain, A.: 2002, *Astrophys. J.* **573**, 562-575, "Probing the mass distribution in groups of galaxies using gravitational lensing"

[MOL03.2] Möller, O., Hewett, P., Blain, A.W.: 2003, *Monthly Notices Roy. Astron. Soc.* **345**, 1, "Discs in early-type lensing galaxies: effects on magnification ratios and measurements of H_0"

[MOL98.2] Mollerach, S.: 1998, *Phys. Rev. D* **57**, 1303, "Gravitational lensing on the cosmic microwave background by gravity waves"

[MOL96.1] Mollerach, S., Roulet, E.: 1996, *Astrophys. J.* **458**, L9, "Microlensing of disk source"

[MOL97.1] Mollerach, S., Roulet, E.: 1997, *Astrophys. J.* **479**, 147, "Kicked neutron stars and microlensing"

[MOL00.2] Mollerach, S., Roulet, E.: 2000, *International Journal of Modern Phys. A* **15, No.26**, 4083-4097, "Gravitational lensing as folds in the sky"

[MOL00.1] Molnar, S.M., Birkinshaw, M.: 2000, *Astrophys. J.* **537**, 542-554, "Contributions to the power spectrum of cosmic microwave background from fluctuations caused by clusters of galaxies"

[MOL03.1] Molnar, S.M., Birkinshaw, M.: 2003, *Astrophys. J.* **586**, 731-734, "Determining Tangential Peculiar Velocities of Clusters of Galaxies Using Gravitational Lensing"

[MON98.1] Monier, E., Turnshek, D.A., Lupie, O.L.: 1998, *Astrophys. J.* **496**, 177, "Hubble Space Telescope observations of the gravitationally lensed Cloverleaf broad absorption line QSO H1413+1143: Spectroscopy of the Lyα forest and metal line systems"

[MON96.1] Montoya, M.L., Dominguez-Tenreiro, R., González-Casado, G., Mamon, G.A., Salvador-Solé, E.: 1996, *Astrophys. J.* **473**, L83, "The surface density profiles and lensing characteristics of Hickson compact groups of galaxies"

[MOO99.1] Moore, C.B., Carilli, C.L., Menten, K.M.: 1999, *Astrophys. J.* **510**, L87, "Neutral hydrogen 21 cm absorption at redshift 2.6365 toward the gravitational lens MG J0414+0534"

[MOO95.1] Moore, B., Silk, J.: 1995, *Astrophys. J.* **442**, L5, "Dynamical and Observable Constraints on RAMBOs: Robust Associations of Massive Baryonic Objects"

[MOO97.1] Moore, C.B., Hewitt, J.N.: 1997, *Astrophys. J.* **491**, 451, "15 GHz monitoring of the gravitational lens MG 0414+0534"

[MOR90.1] Moreno, J., Portilla, M.: 1990, *Astrophys. J.* **352**, 399, "The lens effect of a big spherical inhomogeneity in the linear approximation"

[MOR01.1] Morgan, N.D., Becker, R.H., Gregg, M.D., Schechter, P.L., White, R.L.: 2001, *Astron. J.* **121**, 611, "The Gravitational Lens Candidate FBQ 1633+3134"

[MOR00.1] Morgan, N.D., Burley, G., Costa, E., Maza, J., Persson, S.E. et al.: 2000, *Astron. J.* **119**, 1083, "CTQ 839: Candidate for the smallest projected separation binary quasar"

[MOR01.2] Morgan, N.D., Chartas, G., Malm, M., Bautz, M.W., Burud, I. Et al.: 2001, *Astrophys. J.* **555**, 1, "Chandra X-Ray observations of the quadruply lensed quasar RX J0911.4+0551"

[MOR99.1] Morgan, N.D., Dressler, A., Maza, J., Schechter, P.L., Winn, J.N.: 1999, *Astron. J.* **118**, 1444, "CTQ 414: A new gravitational lens"

[MOR03.1] Morgan, N.D., Gregg, M.D., Wisotzki, L., Becker, R., Mazda, J., Schechter, P. L., White, R. L.: 2003, *Astron. J.* **126**, 696-705, "CTQ 327: A new gravitational lens"

[MOR00.8] Morikawa, K., Hattori, M.: 2000, *Advances in Space Research* **25**, 793-796, "Galaxy cluster masses from arc statistics based on ROSAT/HRI data"

[MOR01.5] Mortlock, D.J., Turner, E.L.: 2001, *Monthly Notices Roy. Astron. Soc.* **327**, 552-556, "Empirical constraints on alternative gravity theories from gravitational lensing"

[MOR01.3] Mortlock, D.J., Turner, E.L.: 2001, *Monthly Notices Roy. Astron. Soc.* **327**, 557-566, "Gravitational lensing in modified Newtonian dynamics"

[MOR00.2] Mortlock, D.J., Webster, R.L.: 2000, *Monthly Notices Roy. Astron. Soc.* **319**, 860, "Gravitational lensing by elliptical galaxies"

[MOR00.3] Mortlock, D.J., Webster, R.L.: 2000, *Monthly Notices Roy. Astron. Soc.* **319**, 872, "The statistics of wide-separation lensed quasars"

[MOR00.4] Mortlock, D.J., Webster, R.L.: 2000, *Monthly Notices Roy. Astron. Soc.* **319**, 879, "Using galaxy redshift surveys to detect gravitationally lensed quasars"

[MOR99.2] Mortlock, D.J., Webster, R.L., Francis, P.J.: 1999, *Monthly Notices Roy. Astron. Soc.* **309**, 836-846, "Binary quasars"

[MOR01.8] Mortlock, D.J., Webster, R.L.: 2001, *Monthly Notices Roy. Astron. Soc.* **321**, 629-641, "Using the 2 degree Field galaxy redshift survey to detect gravitationally lensed quasars"

[MOR02.1] Mörtsell, E.: 2002, *Astron. Astrophys.* **382**, 787-791, "The Dyer-Roeder distance-redshift relation in inhomogeneous universes"

[MOT02.1] Motta, V., Mediavilla, E., Muñoz, J.A., Falco, E., Kochanek, C.S. et al.: 2002, *Astrophys. J.* **574**, 719-725, "Detection of the 2175 angstrom Extinction Feature at z=0.83"

[MOU94.1] Mould, J.,, Blandford, R., Villumsen, J., Brainerd, T., Smail, I. et al.: 1994, *Astrophys. J.* **271**, 31, "A search for weak distortion of distant galaxy images by large-scale structure"

[MOU03.1] Moustakas, L.A., Metcalf, R.B.: 2003, *Monthly Notices Roy. Astron. Soc.* **339 (3)**, 607-615, "Detecting dark matter substructure spectroscopically in strong gravitational lenses"

[MUN01.1] Muñoz, J.A., Falco, E.E., Kochanek, C.S., Lehár, J., McLeod, B.A. et al.: 2001, *Astrophys. J.* **546**, 769, "Multifrequency analysis of the new wide-separation gravitational lens candidate RX J0921+4529"

[MUN03.2] Muñoz, J.A., Falco, E.E., Kochanek, C.S., Lehár, J., Mediavilla, E.: 2003, *Astrophys. J.* **594**, 684-694, “The Redshift Distribution of Flat-Spectrum Radio Sources”

[MUN98.1] Muñoz, H.A., Falco, E.F., Kochanek, C., Lehár, J., Herold, L.K. et al.: 1998, *Astrophys. J.* **492**, L9, “MGC 2214+3550: A new binary quasar”

[MUN99] Muñoz, J.A., Falco, E.E., Kochanek, C.S., McLeod, B.A., Lehár, J. et al.: 1999, *Proc. ASP Conf. Ser. ”Gravitational lensing: Recent Progress and Future Goals”, eds. Brainerd, T., Kochanek, C.S.*, “A new wide-separation gravitational lens candidate: RXJ 0921+4529”

[MUN99.2] Muñoz, J.A., Kochanek, C.S., Falco, E.E.: 1999, *Astrophys. J.* **521**, L17, “Finding gravitational lenses with X-rays”

[MUN01.3] Muñoz, J.A., Mediavilla, E., Falco, E., Oscoz, A., Barrena, R. et al.: 2001, *Astrophys. J.* **563**, L107-L109, “Subarcsecond Optical Images of the Radio Gravitational Lens B1152+199”

[MUN94.1] Muñoz, J.A., Portilla, M.: 1994, *Astrophys. J.* **432**, 448, “Gravitational lensing and superluminal motions in quasars: the linear approximations”

[MUN96.1] Muñoz, J.A., Portilla, M.: 1996, *Astrophys. J.* **465**, 562, “Light deflection by large scale structure and cosmic microwave background”

[MUN96.2] Muñoz, J.A., Portilla, M.: 1996, *Astrophys. J.* **465**, 562, “Light deflection by large scale structure and cosmic microwave background”

[MUN00.3] Munshi, D.: 2000, *Monthly Notices Roy. Astron. Soc.* **318**, 145, “Probing the gravity-induced bias with weak lensing: test of analytical results against simulations”

[MUN00.2] Munshi, D., Coles, P.: 2000, *Monthly Notices Roy. Astron. Soc.* **313**, 148, “Weak lensing from strong clustering”

[MUN02.1] Munshi, D., Coles, P.: 2002, *Monthly Notices Roy. Astron. Soc.* **329**, 797, “Cosmic statistics through weak lenses”

[MUN03.1] Munshi, D., Coles, P.: 2003, *Monthly Notices Roy. Astron. Soc.* **338 (4)**, 846-856, “Error estimates for measurements of cosmic shear”

[MUN00.1] Munshi, D., Jain, B.: 2000, *Monthly Notices Roy. Astron. Soc.* **318**, 109, “The statistics of weak lensing at small angular scales: probability distribution function”

[MUN01.4] Munshi, D., Jain, B.: 2001, *Monthly Notices Roy. Astron. Soc.* **322**, 107-120, “Statistics of weak lensing at small angular scales: Analytical predictions for lower order moments”

[MUR93.1] Murphy, D.W., Browne, I.W.A., Perley, R.A.: 1993, *Monthly Notices Roy. Astron. Soc.* **264**, 298, “VLA observations of a complete sample of core-dominated radio sources”

[MUS98.1] Mustapha, N., Bassett, B.A., Hellaby, C, Ellis, G.F.R.: 1998, *Class. Quant. Grav.* **15**, 2363, “Shrinking II – The distortion of the area distance-redshift relation in inhomogeneous isotropic universes”

[MUS97.1] Mushotzky, R.: 1997, *Nature* **388**, 126 - 127, “X-ray astronomy: How one galaxy can be a cluster”

[MUT02.1] Mutka, P.T., Mahonen, P.H.: 2002, *Astrophys. J.* **576**, 107-112, “Approximation of Light-Ray Deflection Angle and Gravitational Lenses in the Schwarzschild Metric. I. Derivation and Quasar Lens”

[MUT02.2] Mutka, P.T., Mahonen, P.: 2002, *Astrophys. J.* **581**, 1328-1336, "Approximation of light-ray deflection angle and gravitational lenses in the Schwarzschild metric. II. Lensing magnification in a binary system"

[MYE95.1] Myers, S.T., Fassnacht, C.D., Djorgovski, S.G., Blandford, R.D., Matthews, K. et al.: 1995, *Astrophys. J.* **447**, L5, "1608+656: A quadruple-lens system found in the CLASS gravitational lens survey"

[MYE03.1] Myers, S.T., Jackson, N.J., Browne, I.W.A., de Bruyn, A.G., Pearson, T.J. et al.: 2003, *Monthly Notices Roy. Astron. Soc.* **341 (1)**, 1-12, "The Cosmic Lens All-Sky Survey: I. Source selection and observations"

[MYE03.2] Myers, A.D., Outram, P.J., Shanks, T., Boyle, B.J., Croom, S.M., Loaring, N.S., Miller, L., Smith, R.J.: 2003, *Monthly Notices Roy. Astron. Soc.* **342**, 467-482, "The 2dF QSO Redshift Survey - X. Lensing of background QSOs by galaxy groups"

[MYE99.1] Myers, S.T., Rusin, D. Fassnacht, C.D., Blandford, R.D., Pearson, A.C. et al.: 1999, *Astron. J.* **117**, 2565, "CLASS B1152+199 and B1359+154: two new gravitational lens systems discovered in the Cosmic Lens All-Sky Survey"

[NAD99.1] Nadeau, D., Racine, R., Doyon, R., Arboit, G.: 1999, *Astrophys. J.* **527**, 46, "Near-infrared imaging spectrophotometry of the gravitational mirage Q2237+0305 mirage Q2237+0305"

[NAD91.1] Nadeau, D., Yee, H.K.C., Forrest, W.J., Garnett, J.D., Ninkov, Z., Pipher, J.L.: 1991, *Astrophys. J.* **376**, 430, "Infrared and visible photometry of the gravitational lens system 2237+030"

[NAI98.1] Nair, S.: 1998, *Monthly Notices Roy. Astron. Soc.* **301**, 315, "Modeling the ten-image lensed system B1933+503"

[NAI97.1] Nair, S., Garret, M.A.: 1997, *Monthly Notices Roy.Astron.Soc.* **284**, 58, "Gravitational lens model for 2016+112"

[NAI99.1] Nair, V., Miralda-Escudé, J.: 1999, *Astrophys. J.* **515**, 206, "Microlensing in the Galactic Bulge: Effects of the Disk Behind the Bulge"

[NAI93.1] Nair, S., Narasimha, D., Rao, A.P.: 1993, *Astrophys. J.* **407**, 46, "PKS 1830-211 as a gravitationally lensed system"

[NAK96.2] Nakamura, T.T., Kan-ya, Y., Nishi, R.: 1996, *Astrophys. J.* **473**, L99, "The minimum total mass of MACHOs and halo models of the galaxy"

[NAK98.1] Nakamura, T., Nishi, R.: 1998, *Progress of Theoretical Physics* **99 (6)**, 963-970, "Expected EAGLE event rate towards the Magellanic Clouds"

[NAK97.2] Nakamura, T., Sasaki, M., Tanaka, T.: 1997, *Astrophys. J.* **487**, L139, "Gravitational waves from coalescing black hole MACHO binaries"

[NAK97.1] Nakamura, T., Suto, Y.: 1997, *Prog. of Theoretical Physics* **97**, 49, "Strong Gravitational Lensing and Velocity Function as Tools to Probe Cosmological Parameters: Current Constraints and Future Predictions"

[NAK03.1] Nakos, Th., Ofek, O., Boumis, P., Cuypers, J., Sinachopoulos, D. et al.: 2003, *Astron. Astrophys.* **402**, 1157-1158, "A catalog of secondary photometric standard stars around gravitational lenses"

[NAR95.1] Narasimha, D.: 1995, *Bull. Astron. Soc. India* **23**, 489, "Gravitational microlensing"

[NAR88.1] Narasimha, D., Chitre, S.M.: 1988, *Astrophys. J.* **332**, 75, "Giant luminous arcs in galaxy clusters"
[NAR89.1] Narasimha, D., Chitre, S.M.: 1989, *Astron. J.* **97**, 327, "Lensing of extended sources by dark galactic halos"
[NAR93.1] Narasimha, D., Chitre, S.M.: 1993, *Astron. Astrophys.* **280**, 57, "Straight arcs in galaxy clusters"
[NAR93.2] Narasimha, D., Chitre, S.M.: 1993, *Astrophys. Astr.* **14**, 121, "Straight arc in Abell 2390"
[NAR82.1] Narasimha, D., Subramanian, K., Chitre, S.M.: 1982, *Monthly Notices Roy. Astron. Soc.* **200**, 941, "Spheroidal gravitational lenses and the triple quasar"
[NAR84.1] Narasimha, D., Subramanian, K., Chitre, S.M.: 1984, *Astrophys. J.* **238**, 512, "Gravitational lens models for the triple radiosource MG 2016+112"
[NAR84.2] Narasimha, D., Subramanian, K., Chitre, S.M.: 1984, *Monthly Notices Roy. Astron. Soc.* **210**, 79, "Gravitational lens model of the double QSO 0957+561 A, B incorporating VLBI features"
[NAR86.1] Narasimha, D., Subramanian, K., Chitre, S.M.: 1986, *Nature* **321**, 45, "Missing image in gravitational lens systems?"
[NAR87.1] Narasimha, D., Subramanian, K., Chitre, S.M.: 1987, *Astrophys. J.* **315**, 434, "The gravitational lens system 2016+112 revisited"
[NAR86.2] Narayan, R.: 1986, *IAU Symposium* **119**, 529, "Gravitational lensing-models"
[NAR89.2] Narayan, R.: 1989, *Astrophys. J.* **339**, L53, "Gravitational lensing and quasar-galaxy correlations"
[NAR91.1] Narayan, R.: 1991, *Astrophys. J.* **378**, L5, "Gravitational lensing, time delay and angular diameter distance"
[NAR98.2] Narayan, R.: 1998, *New Astronomy Rev.* **42**, 73, "A Review of Astrophysical Results from Gravitational Lensing"
[NAR91.2] Narayan, R., Blandford, R.D.: 1991, *Proc. Texas-ESO-CERN Symposium (eds. Barrow, J., Mestel, L., Thomas, P.A.)* **647**, 117, "Gravitational lensing"
[NAR84.3] Narayan, R., Blandford, R.D., Nityananda, R.: 1984, *Nature* **310**, 112, "Multiple imaging of quasars by galaxies and clusters"
[NAR90.1] Narayan, R., Schneider, P.: 1990, *Monthly Notices Roy. Astron. Soc.* **243**, 192, "Why are the BL Lac objects AO 0235+164 and PKS 0537-441 not multiply imaged by gravitational lensing?"
[NAR88.2] Narayan, R., White, D.M.: 1988, *Monthly Notices Roy. Astron. Soc.* **231**, 97P, "Gravitational lensing in a cold dark matter universe"
[NAR92.2] Narayan, R., Wallington, S.: 1992, *Astrophys. J.* **399**, 368, "Determination of lens parameters from gravitationally lensed gamma-ray bursts"
[NAR84.4] Narlikar, J.V., Chitre, S.M.: 1984, *J. Astrophys. Astr.* **5**, 495, "Faster-than-light motion in quasars"
[NAT95.1] Natarajan, P.: 1995, *ASP Conf. Ser.* **88**, 164, "Study of the dynamics of the core of A2218"
[NAT02.2] Natarajan, P., Loeb, A., Kneib, J.-P., Smail, I.: 2002, *Astrophys. J.* **580**, L17-L20, "Constraints on the Collisional Nature of the Dark Matter from Grav-

itational Lensing in the Cluster A2218"
[NAT96.1] Natarajan, P., Kneib J.-P.: 1996, *Monthly Notices Roy.Astron.Soc.* **283**, 1031, "Probing the dynamics of cluster-lenses"
[NAT97.1] Natarajan, P., Kneib J.-P.: 1997, *Monthly Notices Roy. Astron. Soc.* **287**, 833, "Lensing by galaxy haloes in clusters of galaxies"
[NAT02.1] Natarajan, P., Kneib, J.-P., Smail, I.: 2002, *Astrophys. J.* **580**, L11-L15, "Evidence for Tidal Stripping of Dark Matter Halos in Massive Cluster Lenses"
[NAT98.1] Natarajan, P., Kneib J.-P., Smail, I., Ellis, R.S.: 1998, *Astrophys. J.* **499**, 600, "The mass-to-light ratio of early-type galaxies: Constraints from gravitational lensing in the rich cluster AC114"
[NAT97.4] Natarajan, P., Lynden-Bell, D.: 1997, *Monthly Notices Roy. Astron. Soc.* **286**, 268, "An analytic approximation to the isothermal sphere"
[NAT00.1] Natarajan, P., Refregier, A: 2000, *Astrophys. J.* **538**, L113, "Two-dimensional galaxy-galaxy lensing: a direct measure of the flattening and alignment of light and mass in galaxies"
[NEI03.1] Neindorf, B.: 2003, *Astron. Astrophys.* **404**, 83-92, "A probability theoretical access to extragalactic microlensing"
[NEM86.1] Nemiroff, R.J.: 1986, *Astrophys. Space Science* **123**, 381, "Random gravitational lensing"
[NEM88.1] Nemiroff, R.J.: 1988, *Astrophys. J.* **335**, 593, "AGN broad emission line amplification from gravitational microlensing"
[NEM88.2] Nemiroff, R.J.: 1988, *Astrophys. Space Science* **145**, 53, "A small mass, large image separation gravitational lens model"
[NEM89.1] Nemiroff, R.J.: 1989, *Astrophys. J.* **341**, 579, "On the probability of detection of a single gravitational lens"
[NEM91.1] Nemiroff, R.J.: 1991, *Astron. Astrophys.* **247**, 73, "Probing Galactic halo dark matter with microlensing"
[NEM91.3] Nemiroff, R.J.: 1991, *Comments on Astrophysics* **15**, 139, "Constraining compact dark matter with gravitational lensing"
[NEM91.4] Nemiroff, R.J.: 1991, *Phys. Rev. Lett.* **66**, 538, "Limits on compact dark matter from null results of searches for lensing of quasistellar objects"
[NEM93.1] Nemiroff, R.J.: 1993, *American J. Phys.* **61**, 619, "Visual distortions near a neutron star and black hole"
[NEM94.3] Nemiroff, R.J.: 1994, *Astrophys. J.* **435**, 682, "Magnification bias in galactic microlensing searches"
[NEM97.1] Nemiroff, R.J.: 1997, *Astrophys. J.* **486**, 693, "Bright lenses and optical depth"
[NEM98.1] Nemiroff, R.J.: 1998, *Astrophys. J.* **509**, 39, "Towards locating the brightest microlensing events on the sky"
[NEM90.1] Nemiroff, R.J., Bistolas, V.G.: 1990, *Astrophys. J.* **358**, 5, "Gravitational lens limits on cosmological black holes"
[NEM89.2] Nemiroff, R.J., Dekel, A.: 1989, *Astrophys. J.* **344**, 51, "The probability of arc lensing by clusters of galaxies"
[NEM93.2] Nemiroff, R.J., Becker, P.A., Wood, K.S.: 1993, *Astrophys. J.* **406**, 590, "Properties of extremely compact neutron stars"

[NEM95.1] Nemiroff, R.J., Gould, A.: 1995, *Astrophys. J.* **452**, L111, "Probing for MACHOS of mass $10^{-6}M_{\odot}$-$10^{-7}M_{\odot}$ with gamma-ray burst parallax spacecraft"

[NEM98.3] Nemiroff, R.J., Norris, J.P., Bonnell, J.T., Marani, G.F.: 1998, *Astrophys. J.* **494**, L173, "Gamma-Ray burst spikes could resolve stars"

[NEM93.3] Nemiroff, R.J., Norris, J.P., Wickramasinghe, W.A.D.T., Horack, J.M., Kouveliotou, C. et al.: 1993, *Astrophys. J.* **414**, 36, "Searching gamma-ray bursts for gravitational lensing echoes: implications for compact dark matter"

[NEM93.5] Nemiroff, R.J., Norris, J.P., Wickramasinghe, W.A.D.T., Horack, J.M., Kouveliotou, C. et al.: 1993, *Astrophys. J.* **414**, 36, "Searching gamma-ray bursts for gravitational lensing echoes: implications for compact dark matter"

[NEM94.2] Nemiroff, R.J., Wickramasinghe: 1994, *Astrophys. J.* **424**, L21, "Finite source sizes and the information content of MACHO-type lens search light curves"

[NEM94.1] Nemiroff, R.J., Wickramasinghe, W.A.D.T., Norris, J.P., Kouveliotou, C., Fishman, G.J. et al.: 1994, *Astrophys. J.* **432**, 478, "Null result in gamma-ray burst lensed echo search"

[NEM93.4] Nemiroff, R.J., Wickramasinghe, W.A.D.T., Norris, J.P., Kouveliotou, C., Fishman, G.J., Meegan, C.A., Paciesas, W.S.: 1993, *Proc. Huntsville Gamma-Ray Burst Workshop*, p.150, "Searching gamma-ray bursts for gravitational lensing echoes"

[NEU97.1] Neumann, D.M., Böhringer, H.: 1997, *Monthly Notices Roy. Astron. Soc.* **289**, 123, "X-ray properties of the distant cluster Cl0016+16"

[NEW04.1] Newton, I.: 1704, *Optics, Query 1, 2nd ed.*

[NGU99.1] Nguyen, H.T., Eisenhardt, P.R., Werner, M.W., Goodrich, R., Hogg, D.W. et al.: 1999, *Astron.J.* **117**, 671, "HST imaging polarimetry of the gravitational lens FSC 10214+4724"

[NIE88.2] Nielsen, N.K., Olesen, P.: 1988, *Nuclear Physics B* **298**, 776-788, "Dynamical properties of superconducting cosmic strings (II). Heavy closed strings in magnetic field"

[NIE88.1] Nieto, J.-L., Roques, S., Llebaria, A., Vanderriest, Ch., Lelièvre, G., Di Serego Alighieri, S., Macchetto, F.D., Perryman, M.A.C.: 1988, *Astrophys. J.* **325**, 644, "High-resolution imaging of the double QSO 2345+007: evidence for subcomponents"

[NIE77.1] Nieto, J.-L.: 1977, *Nature* **270**, 411, "Quasar-galaxy pairs and surface density of quasars"

[NIE78.1] Nieto, J.-L.: 1978, *Astron. Astrophys.* **70**, 219, "Statistical studies of the quasar-galaxy associations"

[NIE79.1] Nieto, J.-L.: 1979, *Astron. Astrophys.* **74**, 152, "Optically variable quasars and bright galaxies"

[NIE82.1] Nieto, J.-L.: 1982, *Astron. Astrophys.* **112**, 321, "Further investigations on possible correlations between QSOs and the Lick Catalogue of galaxies"

[NIK97.1] Nikolaev, S., Weinberg, M.D.: 1997, *Astrophys. J.* **487**, 885, "A rigorous reanalysis of the IRAS variable population: scale lengths, asymmetries, and microlensing"

[NIS99.1] Nishi, R., Ioka, K., et al.: 1999, *Progress of Theoretical Physics Sup.* **133**, 211-231, "Dark Matter Search with Gravitational Microlensing Events"
[NIT90.1] Nityananda, R.: 1990, *Current Science* **59**, 1044, "Gravitational lenses"
[NIT84.1] Nityananda, R., Ostriker, J.P.: 1984, *J. Astrophys. Astr.* **5**, 235, "Gravitational lensing by stars on a galaxy halo: theory of combined weak and strong scattering"
[NIT92.1] Nityananda, R., Samuel, J.: 1992, *Phys. Rev. D* **45**, 3862, "Fermat's principle in general relativity"
[NOB80.1] Noble, R.G., Walsh, D.: 1980, *Nature* **288**, 69, "MTRLI observations of the double QSO at 408 MHz"
[NOO71.1] Noonan, T.W.: 1971, *Astron. J.* **76**, 765, "The effect of the Einstein light deflection on observed properties of clusters of galaxies"
[NOO83.1] Noonan, T.W.: 1983, *Astrophys. J.* **264**, 627, "The motion of short-wavelength photons in gravitating refractive media"
[NOO83.2] Noonan, T.W.: 1983, *Astrophys. J.* **270**, 245, "Image distortion by gravitational lensing"
[NOR99.1] Norman, D.J., Impey, C.D.: 1999, *Astron. J.* **118**, 613, "Quasar-galaxy correlations: a search for amplification bias"
[NOR01.1] Norman, D.J., Impey, C.D.: 2001, *Astron. J.* **121**, 2392, "Quasar-galaxy correlations: a detection of amplification bias"
[NOR00.1] Norman, D.J., Williams, L.L.R.: 2000, *Astron. J.* **119**, 2060, "Weak lensing-induced correlations between 1 Jy QSOs and APM galaxies on angular scales of a degree"
[NOT76.1] Nottale, L.: 1976, *Astrophys. J.* **208**, L103, "Redshift anomaly in associations of clusters of galaxies"
[NOT82.1] Nottale, L.: 1982, *Astron. Astrophys.* **110**, 9, "Perturbation of the magnitude-redshift relation in an inhomogeneous relativistic model: the redshift equations"
[NOT82.2] Nottale, L.: 1982, *Astron. Astrophys.* **114**, 261, "Perturbation of the magnitude-redshift relation in an inhomogeneous relativistic model. II - Correction to the Hubble law behind clusters"
[NOT83.1] Nottale, L.: 1983, *Astron. Astrophys.* **118**, 85, "Perturbation of the magnitude-redshift relation in an inhomogeneous relativistic model. III - Redshift effect intrinsic to clusters of galaxies"
[NOT83.2] Nottale, L.: 1983, *Clustering in the Universe, (eds. Gerbal, D., Mazure, A.), ed. Frontières*, p.91, "Perturbation of cosmological relations by clusters of galaxies"
[NOT84.1] Nottale, L.: 1984, *Monthly Notices Roy. Astron. Soc.* **206**, 713, "Gravitational temperature decrease of the microwave background radiation towards rich clusters of galaxies"
[NOT86.1] Nottale, L.: 1986, *Astron. Astrophys.* **157**, 383, "The eruptive BL Lac object 0846+51W1: a gravitationally lensed QSO?"
[NOT86.3] Nottale, L.: 1986, *L'activité dans les galaxies, Ann. Phys. Fr., Col. 2* **12**, 241, "Amplification gravitationelle des quasars à raies d'absorption"

[NOT87.1] Nottale, L.: 1987, *Annales de Physique, Col. 2, Suppl. 5* **12**, 241, "Amplification gravitationelle des quasars à raies d'absorption"
[NOT87.2] Nottale, L.: 1987, *Journal des Astronomes Français* **31**, 5, "Les télescopes gravitationnels"
[NOT87.3] Nottale, L.: 1987, *IAU Symposium* **130**, 597, "Gravitational lensing: cosmological implications"
[NOT87.4] Nottale, L.: 1987, *Proc. of the 3rd IAP Astrophysical Meeting "High redshift and primeval galaxies", ed. Frontières*, p.451, "Amplification and lensing"
[NOT88.1] Nottale, L.: 1988, *Ann. Phys. Fr.* **13**, 223, "Gravitational lensing in observational cosmology"
[NOT88.2] Nottale, L.: 1988, *"Dark Matter", 8th Moriond Astrophys. Meeting, (eds. Audouze, J., Trânh Thanh Vân, J.), ed. Frontières*, p.339, "Dark matter and gravitational lensing"
[NOT88.3] Nottale, L.: 1988, *"The world of galaxies", Conf. en l'honneur de G. et A. de Vaucouleurs, ed. Springer-Verlag*, p.477, "The distance-redshift relation in the inhomogeneous Universe"
[NOT88.4] Nottale, L.: 1988, *DAEC Workshop on Large Scale Structures, (eds. Balkowski, C., Gordon, S.)*, p.85, "Gravitational lensing by large scale structures"
[NOT90.1] Nottale, L.: 1990, *10th Moriond Astrophys. Meeting, (eds. Blanchard A., Trân Thanh Vân, J.)*, p.171, "Gravitational lensing as a probe for dark matter"
[NOT91.1] Nottale, L.: 1991, *Physical Cosmology, 2nd Rencontres de Blois, (eds. Blanchard, A., Trân Thanh Vân, J.), ed. Frontières*, p.249, "Gravitational lenses"
[NOT86.2] Nottale, L., Chauvineau, B.: 1986, *Astron. Astrophys.* **162**, 1, "Multiple gravitational lensing"
[NOT84.2] Nottale, L., Hammer, F.: 1984, *Astron. Astrophys.* **141**, 144, "Gravitational amplification of light at relativistic distance"
[NOU97.1] Nouri-Zonoz, M., Lynden-Bell, D.: 1997, *Monthly Notices Roy. Astron. Soc.* **292**, 714, "Gravomagnetic lensing by NUT space"
[NOW94.1] Nowak, M.A., Grossman, S.A.: 1994, *Astrophys. J.* **435**, 548, "Can we identify lensed gamma-ray bursts?"
[OFE01.1] Ofek, E.O., Maoz, D., Prada, F., Kolatt, T., Rix, H.-W.: 2001, *Monthly Notices Roy. Astron. Soc.* **324**, 463, "A survey for large separation lensed FIRST quasars"
[OFE03.1] Ofek, E.O., Rix, H.-W., Maoz, D.: 2003, *Monthly Notices Roy. Astron. Soc.* **343**, 639-652, "The redshift distribution of gravitational lenses revisited: Constraints on galaxy mass evolution"
[OGU02.2] Oguri, M.: 2002, *Astrophys. J.* **573**, 51-59, "Systematic Effects on Tangential and Radial Arc Statistics: The Finite Source Size and Ellipticities of the Lens and Source"
[OGU03.2] Oguri, M.: 2003, *Monthly Notice Roy. Astron. Soc.* **339 (2)**, L23-L27, "How many arcmin-separation lenses are expected in the 2dF QSO survey?"
[OGU02.3] Oguri, M.: 2002, *Astrophys. J.* **580**, 2-11, "Constraints on the Baryonic Compression and Implications for the Fraction of Dark Halo Lenses"

[OGU03.3] Oguri, M., Kawano, Y.: 2003, *Monthly Notice Roy. Astron. Soc.* **338 (4)**, L25-L29, "Gravitational lens time delays for distant supernovae: and the Hubble constant breaking the degeneracy between radial mass profiles"

[OGU03.1] Oguri, M., Suto, Y., Turner, E.L.: 2003, *Astrophys. J.* **583**, 584-593, "Gravitational Lensing Magnification and Time Delay Statistics for Distant Supernovae"

[OGU01.1] Oguri, M., Taruya, A., Suto, Y.: 2001, sl Astrophys. J. **559**, 572-583, "Probing the core structure of dark halos with tangential and radial arc statistics"

[OGU02.1] Oguri, O., Taruya, A., Suto, Y., Turner, E.L.: 2002, *Astrophys. J.* **568**, 488-499, "Strong Gravitational Lensing Time Delay Statistics and the Density Profile of Dark Halos"

[OHA74.1] Ohanian, H.C.: 1974, *Int. J. Theoret. Phys.* **9**, 425, "On the focusing on gravitational radiation"

[OHA83.1] Ohanian, H.C.: 1983, *Astrophys. J.* **271**, 551, "The caustics of gravitational "lenses""

[OHT95.1] Ohta, K., Yamada, T., Ikeuchi, S., Yamada, T.T., Kawabe, R. et al.: 1995, *Publ. of the Astron. Soc. of Japan* **47**, 739, "Search for CO emission from the gravitational lens system MG 0414+0534 and its lensing galaxy"

[OHY02.1] Ohyama, Y., Hamana, T., Kashikawa, N., Chiba, M., Futamase, T. et al.: 2002, *Astron. J.* **123**, 2903-2912, "Subaru Spectroscopy of the Gravitational Lens HST 14176+5226: Implications for a Large Cosmological Constant"

[OMO96.1] Omont, A., Petitjean, P., Guilloteau, S., McMahon, R.G., Solomon, P.M., Pecontal, E.: 1996, *Nature* **382**, 428, "Molecular gas and dust around a radio-quiet quasar at redshift 4.69"

[OMO89.1] Omote, M., Yoshida, H.: 1989, *Phys. Let. A.* **139**, 454, "Apparent superluminal motions of images by a gravitational lens"

[OMO90.1] Omote, M., Yoshida, H.: 1990, *Astrophys. J.* **361**, 27, "Gravitational lens effects on the redshift-volume measurement of the density parameter"

[ONO99.1] Ono, T., Masai, K., Sasaki, S.: 1999, *Publ. Astron. Soc. Japan* **51**, 91, "Cluster mass estimate using strong gravitational lenses revisited"

[OSC02.1] Oscoz, A., Alcalde, D., Serra-Ricart, M., Mediavilla, E., Muñoz, J.A.: 2002, *Astrophys. J.* **573**, L1-L4, "A Large Brightness Enhancement of the QSO 0957+561 A Component"

[OSC96.1] Oscoz, A., Serra-Ricart, M., Goicoechea, L.-J., Buitrago, J., Mediavilla, E.: 1996, *Astrophys. J.* **470**, L19, "Optical photometry of quasar 0957+561A,B"

[OSC97.1] Oscoz, A., Mediavilla, E., Goicoechea, L.-J., Serra-Ricart, M., Buitrago, J.: 1997, *Astrophys. J.* **479**, L89, "Time delay of QSO 0957+561 and cosmological implications"

[OSC97.2] Oscoz, A., Serra-Ricart, M., Mediavilla, E., Buitrago, J., Goicoechea, L.-J.: 1997, *Astrophys. J.* **491**, L7, "Support for the gravitational lens interpretation of SBS 0909+532"

[OSH01.1] Oshima, T., Mitsuda, K., Ota, N., Yonehara, A., Hattori, M., Mihara, T., Sekimoto, Y.: 2001, *Astrophys. J.* **551**, 929, "ASCA observation of the lensed blazar PKS 1830-211: An implication of X-ray microlensing"

[OSS96.1] Ossipov, D.L., Kuryan, V.E.: 1996, *Physics Letters A* **223**, 157-162, "Microlensing by transparent dark matter clump: three extremal geodesics"

[OST96.1] Ostensen, R., Refsdal, S., Stabell, R., Teuber, J., Emanuelsen, P.I. et al.: 1996, *Astron. Astrophys.* **309**, 59, "Monitoring of the Einstein Cross with the Nordic Optical Telescope"

[OST97.1] Ostensen, R., Remy, M., Lindblad, P.O., Refsdal, S., Stabell, R. et al.: 1997, *Astron. Astrophys. Suppl.* **126**, 393, "ESO and NOT photometric monitoring of the Cloverleaf quasar"

[OST85.1] Ostriker, J.P., Vietri, M.: 1985, *Nature* **318**, 446, "Are some BL Lac objects artefacts of gravitational lensing?"

[OST86.1] Ostriker, J.P., Vietri, M.: 1986, *Astrophys. J.* **300**, 68, "The statistics of gravitational lensing. III - Astrophysical consequences of quasar lensing"

[OST90.1] Ostriker, J.P., Vietri, M.: 1990, *Nature* **344**, 45, "Are some BL Lacs artefacts of gravitational lensing?"

[OST86.2] Ostriker, J.P., Vishniac, E.T.: 1986, *Nature* **322**, 804, "Effect of gravitational lenses on the microwave background, and 1146+111 B, C"

[OTA98.1] Ota, N., Mitsuda, K., Fukazawa, Y.: 1998, *Astrophys., J.* **495**, 170, "ASCA observations of the lensing clusters, CL 0500-24, CL 2244-02, and A370: mass determinations and comparisons"

[OVA03.1] Ovaldsen, J.E., Teuber, J., Schild, R.E., Stabell, R.: 2003, *Astron. Astrophys.* **402**, 891-904, "New aperture photometry of QSO 0957+561; application to time delay and microlensing"

[OZE99.1] Özer, M.: 1999, *Astrophys. J.* **520**, 45, "Fate of the universe, age of the universe, dark matter, and the decaying vacuum energy"

[OZE86.1] Ozernoy, L.M., Chernomordik, V.V.: 1986, *Astronomicheskii Tsirkulyar* **1436**, "Using a gravitationally lensed quasar to constrain the models of Lyman-α forest"

[O'D92.1] O'Dea, C.P., Baum, S.A., Stanghellini, C., Dey, A., Van Breughel, W., Deustua, S., Smith, E.: 1992, *Astron. J.* **104**, 1320, "Radio and optical observations of 0218+357: The smallest Einstein Ring?"

[PAC74.1] Paczyński, B.: 1974, *Nature* **249**, 329, "Upper mass limit for quasar"

[PAC86.1] Paczyński, B.: 1986, *Astrophys. J.* **301**, 503, "Gravitational microlensing at large optical depth"

[PAC86.2] Paczyński, B.: 1986, *Astrophys. J.* **304**, 1, "Gravitational microlensing by the galactic halo"

[PAC86.3] Paczyński, B.: 1986, *Astrophys. J.* **308**, L43, "Gamma-ray bursters at cosmological distances"

[PAC86.4] Paczyński, B.: 1986, *Nature* **319**, 567, "Will cosmic strings be discovered using the Space Telescope?"

[PAC86.5] Paczyński, B.: 1986, *Nature* **321**, 419, "Is there a black hole in the sky?"

[PAC87.1] Paczyński, B.: 1987, *Astrophys. J.* **317**, L51, "Gravitational microlensing and gamma-ray bursts"

[PAC87.2] Paczyński, B.: 1987, *Nature* **325**, 572, "Giant luminous arcs discovered in two clusters of galaxies"

[PAC90.1] Paczyński, B.: 1990, *Astrophys. J.* **358**, L33, "Interpretation of the microlensing event in QSO 2237+0305"

[PAC91.1] Paczyński, B.: 1991, *Astrophys. J.* **371**, L63, "Gravitational microlensing of the galactic bulge stars"

[PAC94.2] Paczyński, B.: 1994, *Acta Astronomica* **44**, 235, "Gravitational microlensing by the globular cluster stars"

[PAC95.1] Paczyński, B.: 1995, *Acta Astronomica* **45**, 345, "The masses of nearby dwarfs can be determined with gravitational microlensing"

[PAC95.2] Paczyński, B.: 1995, *Acta Astronomica* **45**, 349, "On the detectability of very massive compact objects with gravitational microlensing"

[PAC95.3] Paczyński, B.: 1995, *AIP Conf. Proceedings, "Dark Matter", College Park, MD, Oct.94 (eds. Holt, S.S., Bennett, C.L.W)* **336**, p.10, "Dark matter - personal view"

[PAC95.4] Paczyński, B.: 1995, *Acta Astron.* **45**, 345, "The masses of nearby dwarfs can be determined with gravitational microlensing"

[PAC96.1] Paczyński, B.: 1996, *Annual Rev. of Astron. and Astrophys.* **34**, 419, "Gravitational microlensing in the local group"

[PAC98.1] Paczyński, B.: 1998, *Astrophys. J.* **494**, L23, "Gravitational microlensing with the Space Interferometry Mission"

[PAC99.2] Paczyński, B.: 1999, *Nature* **401**, 331, "The devil is in the distance"

[PAC01.1] Paczyński, B.: 2001, *Nature* **411**, 1002, "Astronomy: Planetary candidates"

[PAC81.1] Paczyński, B., Gorski, K.: 1981, *Astrophys. J.* **248**, L101, "Another possible case of a gravitational lens"

[PAC90.2] Paczyński, B., Piran, T.: 1990, *Astrophys. J.* **364**, 341, "A dipole moment of the microwave background as a cosmological effect"

[PAC94.1] Paczyński, B. Stanek, K.Z., Udalski, A., Szymański, M., Kaluzny, J. et al.: 1994, *Astrophys. J.* **435**, L113, "Are the OGLE microlenses in the galactic bar?"

[PAC89.1] Paczyński, B., Wambsganss, J.: 1989, *Astrophys. J.* **337**, 581, "Gravitational lensing by a smoothly variable surface mass density"

[PAC93.1] Paczyński, B., Wambsganss, J.: 1993, *Physics World* **6**, No. 5, 26, "Gravitational microlensing"

[PAD87.1] Padmanabhan, T., Chitre, S.M.: 1987, *Astrophysical Letters* **25**, 255, "Is gravitational lensing a local phenomenon caused by Pop III objects?"

[PAD03.1] Padmanabhan, N., Seljak, U., Pen, U.L.: 2003, *New Astron.* **8**, 581-603, "Mining weak lensing surveys"

[PAD88.1] Padmanabhan, T., Subramanian, K.: 1988, *Monthly Notices Roy. Astron. Soc.* **233**, 265, "The focusing equation, caustics and the condition for multiple imaging by thick gravitational lenses"

[PAD92.1] Padovani, P.: 1992, *Monthly Notices Roy. Astron. Soc.* **257**, 404, "Is there a relationship between BL Lacertae and flat-spectrum radioquasars?"

[PAL01.1] Palanque-Delabrouille, N.: 2001, *New Astronomy Rev.* **45**, 395, "Not enough MACHOs in the galactic halo"

[PAL98.1] Palanque-Delabrouille, N., Afonso, C., Albert, J.N., Andersen, J., Ansari, R. et al. (EROS collaboration): 1998, *Astron. Astrophys.* **332**, 1, "Microlensing towards the Small Magellanic Cloud EROS 2 first year survey"

[PAR90.1] Park, C.: 1990, *Astrophys. J.* **365**, 22, "Weak gravitational lensing due to large-scale structure of the universe"

[PAR92.1] Park, M.-G.: 1992, *Publ. Korean Astron. Soc.* **7**, 79, "Gravitational lensing and the geometry of the universe"

[PAR03.1] Park, Y., Ferguson, H.C.: 2003, *Astrophys. J.* **589**, L65-L68, "Gravitational Lensing by Burkert Halos"

[PAR97.1] Park, M.-G., Gott III, J.R.: 1997, *Astrophys. J.* **489**, 476, "Curvature of the universe and observed gravitational lens image separations versus redshift"

[PAT93.1] Patnaik, A., Browne, I., King, L., Muxlow, T., Walsh, D., Wilkinson, P.: 1993, *Proc. Sub-Arcsecond Radio Astronomy, 1992, Manchester*, p.137, "Search for small separation gravitational lens systems"

[PAT93.2] Patnaik, A.R., Browne, I.W.A., King, L.J., Muxlow, T.W.B., Walsh, D., Wilkinson, P.N.: 1993, *Monthly Notices Roy. Astron. Soc.* **261**, 435, "B0218+35.7: A gravitationally lensed system with the smallest separation"

[PAT92.2] Patnaik, A.R., Browne, I.W.A., Walsh, D., Chaffee, F.H., Foltz, C.B.: 1992, *Monthly Notices Roy. Astron. Soc.* **259**, 1P, "B1422+231: a new gravitationally lensed system at z=3.62"

[PAT92.3] Patnaik, A., Browne, I.W.A., Wilkinson, P.N., Wrobel, J.: 1992, *Monthly Notices Roy. Astron. Soc.* **254**, 655, "Interferometer phase calibration sources: I. The region 35< δ < 75 deg."

[PAT01.1] Patnaik, A.R., Kemball, A.J.: 2001, *Astron. Astrophys.* **373**, L25-L28, "Sub-milliarcsec-scale structure of the gravitational lens B1600+434"

[PAT99.1] Patnaik, A.R., Kemball, A.J., Porcas, R.W., Garrett, M.A.: 1999, *Monthly Notices Roy. Astron. Soc.* **307**, L1, "Milliarcsec-scale polarisation observations of the gravitational lens B 1422+231"

[PAT01.3] Patnaik, A.R., Narasimha, D.: 2001, *Monthly Notices Roy. Astron. Soc.* **326**, 1403-1411, "Determination of time delay from the gravitational lens B1422+231"

[PAT95.1] Patnaik, A.R., Porcas, R.W., Browne, I.W.A.: 1995, *Monthly Notices Roy. Astron. Soc.* **274**, L5, "VLBA observations of the gravitational lens system B0218+357"

[PAT94.1] Patnaik, A., Porcas, R.W., Browne, I.W.A, Muxlow, T.W.B., Narasimha, D.: 1994, *Proc. of a Workshop "Compact Extragalactic Radio Sources", Socorro, (eds. Zensus, J.A., Kellermann, K.I.)*, p.129, "Global VLBI observations of the gravitational lens B0218+357"

[PAT96.1] Patnaik, A., Schneider, P., Narayan, R.: 1996, *Monthly Notices Roy. Astron. Soc.* **281**, L17, "A deep radio observation of the gravitational lens candidate QSO 2345+007"

[PAU02.1] Paulin-Henriksson, S., Baillon, P., Bouquet, A., Carr, B.J., Crézé, M., Evans, N.W., Giraud-Héraud, Y. et al.: 2002, *Astrophys. J.* **576**, L121-L124, "A Candidate M31/M32 Intergalactic Microlensing Event"

[PAU03.1] Paulin-Henriksson, S., Baillon, P., Bouquet, A., Carr, B.J., Creze, M., Evans, N.W., Giraud-Heraud, Y. et al.: 2003, *Astron. Astrophys.* **405**, 15-21, "The Point-Agape survey: 4 high signal-to-noise microlensing candidates detected towards M 31"

[PEA82.1] Peacock, J.A.: 1982, *Monthly Notices Roy. Astron. Soc.* **199**, 987, "Gravitational lenses and cosmological evolution"

[PEA83.1] Peacock, J.A.: 1983, *Nature* **303**, 574, "Gravitational lenses and the missing mass"

[PEA86.1] Peacock, J.A.: 1986, *Monthly Notices Roy. Astron. Soc.* **223**, 113, "Flux conservation and random gravitational lensing"

[PEA97.1] Peale, J.S.: 1997, *Icarus* **127**, 269, "Expectations from a microlensing search for planets"

[PEA99.1] Peale, S.J.: 1999, *Astrophys. J.* **524**, L67, "Newly discovered brown dwarfs not seen in microlensing timescale frequency distribution?"

[PEA01.1] Peale, S.J.: 2001, *Astrophys. J.* **552**, 889, "Probability of detecting a planetary companion during a microlensing event"

[PEA03.1] Peale, S.J.: 2003, *Astron. J.* **126**, 1595-1603, "Comparison of a ground-based microlensing search for planets with a search from space"

[PEC83.1] Pechenick, K.R., Ftaclas, C., Cohen, J.M.: 1983, *Astrophys. J.* **274**, 846, "Hot spots on neutron stars: the near-field gravitational lens"

[PEI93.1] Pei, Y.C.: 1993, *Astrophys. J.* **403**, 7, "On the probability of magnification by cosmologically-distributed gravitational lenses"

[PEI93.2] Pei, Y.C.: 1993, *Astrophys. J.* **404**, 436, "Probability of lensing magnification by cosmologically-distributed galaxies"

[PEI95.1] Pei, Y.C.: 1995, *Astrophys. J.* **440**, 485, "Magnification of quasars by cosmologically distributed gravitational lenses"

[PEI00.1] Peiris, H.V., Spergel, D.N.: 2000, *Astrophys. J.* **540**, 605, "Cross-correlating the Sloan Digital Sky Survey with the microwave sky"

[PEL99.1] Pelló, R., Kneib, J.-P., Le Borgne, J.-F., Bézecourt, J., Ebbels, T.M. et al.: 1999, *Astron. Astrophys.* **346**, 359, "Two multiple-imaged z=4.05 galaxies in the cluster-lens Abell 2390"

[PEL88.1] Pelló-Descayre, R., Soucail, G., Sanahuja, B., Mathez, G., Ojero, E.: 1988, *Astron. Astrophys.* **190**, L11, "Detection and photometry of a complex system in the center of the A2218 cluster of galaxies"

[PEL92.1] Pelló, R., Le Borgne, J.F., Sanahuja, B., Mathez, G., Fort, B.: 1992, *Astron. Astrophys.* **266**, 6, "The system of arcs in the cluster of galaxies Abell 2218: photometry, spectroscopy and geometry"

[PEL91.1] Pelló, R., Le Borgne, J.F., Soucail, G., Mellier, Y., Sanahuja, B.: 1991, *Astrophys. J.* **366**, 405, "A straight gravitational image in Abell 2390: a striking case of lensing by a cluster of galaxies"

[PEL96.2] Pelló, R., Miralles, J.M., Le Borgne, J.-F., Picat, J.-P., Soucail, G., Bruzual, G.: 1996, *Astron. Astrophys.* **314**, 73, "Identification of a high redshift cluster in the field of Q2345+007 through deep BRIJK photometry"

[PEL93.1] Pelló, R., Soucail, G.: 1993, *Proc. of the 8th IAP Meeting "First light in the Universe", Paris 1992*, p.409, "Observations of high redshift galaxies through gravitational amplification by clusters of galaxies"

[PEL94.1] Pelt, J., Hoff, W., Kayser, R., Refsdal, S., Schramm, T.: 1994, *Astron. Astrophys* **286**, 775, "Time delay controversy on QSO 0957+561 not yet decided"

[PEL96.1] Pelt, J., Kayser, R., Refsdal, S., Schramm, T.: 1996, *Astron. Astrophys.* **305**, 97, "The light curve and the time delay of QSO 0957+561"

[PEL98.2] Pelt, J., Hjörth, S., Refsdal, S., Schild, R., Stabell, R.: 1998, *Astron. Astrophys.* **337**, 681, "Estimation of multiple time delays in complex gravitational lens systems"

[PEL02.1] Pelt, J., Refsdal, S., Stabell, R.: 2002, *Astron. Astrophys.* **389**, L57-L60, "Bias and consistency in time delay estimation methods: case of the double quasar HE 1104-1805"

[PEL98.1] Pelt, J., Schild, R., Refsdal, S., Stabell, R.: 1998, *Astron. Astrophys.* **336**, 829, "Microlensing on different timescales in the lightcurves of QSO 0957+561"

[PEN00.1] Pen, U.-L.: 2000, *Astrophys. J.* **534**, L19, "Strong lensing reconstruction"

[PEN02.1] Pen, U.-L., Van Waerbeke, L., Mellier, Y.: 2002, *Astrophys. J.* **567**, 31-36, "Gravity and Nongravity Modes in the VIRMOS-DESCART Weak-Lensing Survey"

[PEN03.1] Pen, U.-L., Zhang, T., van Waerbeke, L., Mellier, Y., Zhang, P., Dubinski, J.: 2003, *Astrophys. J.* **592**, 664-673, "Detection of Dark Matter Skewness in the VIRMOS-DESCART Survey: Implications for Ω_0"

[PEN97.1] Peng, E.W.: 1997, *Astrophys. J.* **475**, 43, "The feasibility of obtaining finite source sizes from MACHO-type microlensing light curves"

[PEN99.1] Peng, C.Y., Impey, C.B., Falco, E.E., Kochanek, C.S., Lehár, J. et al.: 1999, *Astrophys. J.* **524**, 572, "The quasar pair Q 1634+267 A, B and the binary QSO versus dark lens hypotheses"

[PEN67.1] Penrose, R.: 1967, *Hlavaty's Fretechrift* **5**, 259, "General relativistic energy flux and elementary optics"

[PER90.1] Perlic, V.: 1990, *Class. Quantum Grav.* **7**, 1319, "On Fermat's principle in general relativity: I. The general case"

[PER96.1] Perlick, V.: 1996, *Class. Quantum Grav.* **13**, 529, "Criteria for multiple imaging in Lorentzian manifolds"

[PER94.1] Perlman, E.S., Stocke, J.T., Shaffer, D.B., Carilli, C.L., Ma, C.: 1994, *Astrophys. J.* **424**, L69, "High dynamic range radio observations of PKS 1413+135: A BL Lacertae object with a parsec-scale counterjet"

[PER02.2] Perlman, E.S., Stocke, J.T., Carilli, C.L., Sugiho, M., Tashiro, M. et al.: 2002, *Astron. J.* **124**, 2401-2412, "The apparent host galaxy of PKS 1413+135: Hubble Space Telescope, ASCA and very long baseline array observations"

[PER97.1] Perna, R., Loeb, A.: 1997, *Astrophys. J.* **489**, 489, "Microlensing of quasars by stars in their damped Ly α absorbers"

[PER98.1] Perna, R., Loeb, A.: 1998, *Astrophys. J.* **493**, 523, "Probing the mass fraction of MACHOs in extragalactic halos"

[PER97.2] Perna, R., Loeb, A., Bartelmann, M.: 1997, *Astrophys. J.* **488**, 550, "Effects of dust on gravitational lensing by spiral galaxies"

[PER02.1] Perrotta, F., Baccigalupi, C., Bartelmann, M., De Zotti, G., Granato, G.L.: 2002, *Monthly Notices Roy. Astron. Soc.* **329**, 445, "Gravitational lensing of extended high-redshift sources by dark matter haloes"

[PER03.1] Perrotta, F., Magliocchetti, M., Baccigalupi, C., Bartelmann, M., De Zotti, G. et al.: 2003, *Monthly Notices Roy. Astron. Soc.* **338 (3)**, 623-636, "Predic-

tions for statistical properties of forming spheroidal galaxies"
[PET92.1] Petters, A.O.: 1992, *J. Math. Phys.* **33**, 1915, "Morse theory and gravitational microlensing"
[PET93.1] Petters, A.O.: 1993, *J. Math. Phys.* **34**, 3555, "Arnold's singularity theory and gravitational lensing"
[PET95.2] Petters, A.O.: 1995, *J. Math. Phys.* **36**, 4263, "Multiplane gravitational lensing I: Morse theory and image counting"
[PET95.3] Petters, A.O.: 1995, *J. Math. Phys.* **36**, 4276, "Multiplane gravitational lensing II: Global geometry of caustics"
[PET95.4] Petters, A.O.: 1995, *Proc. R. Soc. Lond. A* **452**, 1, "Lower bounds on image magnification in gravitational lensing"
[PET97.2] Petters, A.O., : 1997, *J. Math. Phys.* **38**, 1605, "Multiplane Gravitational Lensing III. Upper bound on number of images"
[PET03.1] Petters, A.O.: 2003, *Monthly Notices Roy. Astron. Soc.* **338 (2)**, 457-464, "On Relativistic Corrections to Microlensing Effects: Applications to the Galactic Black Hole"
[PET00.1] Pettini, M., Steidel, C.C., Adelberger, K.L., Dickinson, M., Giavalisco, M.: 2000, *Astrophys. J.* **528**, 96, "The ultraviolet spectrum of MS 1512-cB58: An insight into Lyman break galaxies"
[PET95.1] Petters, A.O., Wicklin, F.J.: 1995, *Monthly Notices Roy. Astron. Soc.* **277**, 1399, "Caustics of the double-plane two-point-mass gravitational lens with continuous matter and shear"
[PET98.1] Petters, A.O., Wicklin, F. J.: 1998, *J. Math. Phys.* **39**, 1011, "Fixed points due to gravitational lenses"
[PET96.2] Petters, A.O., Witt, H.: 1996, *J. Math. Phys.* **37**, 2920, "Bounds on number of cusps due to point mass gravitational lenses with continuous matter and shear"
[PET91.1] Peterson, J.B., Falk, T.: 1991, *Astrophys. J.* **374**, L5, "Gravitational lens interference"
[PET68.1] Petrosian, V., Salpeter, E.E.: 1968, *Astrophys. J.* **151**, 411, "Ghost images in inhomogeneous Friedmann universes"
[PET91.2] Pettersen, B.R.: 1991, *IAU Circular* **5099**, "QSO 2237+0305"
[PHI85.1] Phillipps, S.: 1985, *Nature* **314**, 721, "A higher limit to the mean galaxy mass allowed by gravitational lens image distortion"
[PHI01.1] Phillips, P.M., Browne, I.W.A., Wilkinson, P.N.: 2001, *Monthly Notices Roy. Astron. Soc.* **321**, 187, "ARCS, The arcminute radio cluster-lens search - I. Selection criteria and initial results"
[PHI00.1] Phillips, P.M., Norbury, M.A., Koopmans, L.V.E., Browne, I.W.A., Jackson, N.J. et al.: 2000, *Monthly Notices Roy. Astron. Soc.* **319**, L7, "A new quadruple gravitational lens system: CLASS B0128+437"
[PHI00.1] Phillips, P.M., Norbury, M.A., Koopmans, L.V.E., Browne, I.W.A., Jackson, N.J. et al.: 2000, *Monthly Notices Roy. Astron. Soc.* **319**, L7-L11, "A new quadruple gravitational lens system: CLASS B0128+437"
[PHI01.2] Phillips, P.M., Browne, I.W.A., Jackson, N.J., Wilkinson, P.N., Mao, S.: 2001, *Monthly Notices Roy. Astron. Soc.* **328**, 1001-1015, "The JVAS/CLASS

search for 6-arcsec to 15-arcsec image separation lensing"
[PHI86.1] Phinney, E.S., Blandford, R.D.: 1986, *Nature* **321**, 569, "Q 1146+111 B, C quasar pair: illusion or delusion?"
[PIE94.1] Pierre, M., Soucail, G., Böhringer, H., Sauvageot, J.L.: 1994, *Astron. Astrophys.* **289**, L37, "A gravitational lens cluster - Abell 2104 - discovered in the ROSAT All-Sky Survey sample"
[PIE96.1] Pierre, M., Le Borgne, J.F., Soucail, G., Kneib, J.P.: 1996, *Astron. Astrophys.* **311**, 413, "X ray analysis and matter distribution in the lens-cluster Abell 2390"
[PIJ97.1] Pijpers, F.P.: 1997, *Monthly Notices Roy. Astron. Soc.* **289**, 933, "The determination of time delays as an inverse problem - the case of the double quasar 0957+561"
[PIN03.1] Pindor, B., Turner, E.L., Lupton, R.H., Brinkmann, J.: 2003, *Astron. J.* **125**, 2325-2340, "Determining the lensing fraction of SDSS quasars: Methods and results from the early data release"
[PIR92.1] Pirenne, B., Surdej, J., Magain, P.: 1992, *ST-ECF Newsletter* **17**, 22, "Using the HST Archive - gravitational lenses from the Snapshot Survey"
[PIR01.1] Pirzkal, N., Collodel, L., Erben, T., Fosbury, R.A.E., Freudling, W. et al.: 2001, *Astron. Astrophys.* **375**, 351-358, "Cosmic shear from STIS pure parallels I. Data"
[PLU92.1] Pluta, J.: 1992, *Rep.Math. Phys.* **29**, 289, "Lens effect in a Kerr field"
[POJ88.1] Pojmanski, G., Szymański, M.: 1988, *Acta Astronomica* **38**, 1, "Gravitational lensing by spheroidal galaxies. Multiple image probabilities and image separation statistics"
[POO79.1] Pooley, G.G., Browne, I.W.A., Daintree, E.J., Moore, P.K., Noble, R.G., Walsh, D.: 1979, *Nature* **280**, 461, "Radio studies of the double QSO 0957+561 A, B"
[POP02.1] Popowski, P., Alcock, C.: 2002, *Astrophys. J.* **572**, 514-520, "Correcting parameters of events based on the entropy of microlensing ensemble"
[POP98.1] Popowski, P.A., Weinberg, D.H., Ryden, B.S., Osmer, P.S.: 1998, *Astrophys. J.* **498**, 11, "Quasar clustering and spacetime geometry"
[POP01.1] Popovic, L.C., Mediavilla, E.G., Muñoz, J.A.: 2001, *Astron. Astrophys.* **378**, 295-301, "The influence of microlensing on spectral line shapes generated by a relativistic accretion disc"
[POP03.1] Popovic, L.C., Mediavilla, E.G., Jovanovic, P., Muñoz, J.A.: 2003, *Astron. Astrophys.* **398**, 975-982, "The influence of microlensing on the shape of the AGN Fe K_α line"
[POR94.1] Porcas, R.W.: 1994, *Proc. of a Workshop "Compact Extragalactic Radio Sources", 1994, Socorro, (eds. Zensus, J.A., Kellermann, K.I.)*, p.125, "VLBI mapping of gravitational lens images: a wide-field imaging problem"
[POR79.1] Porcas, R.W., Booth, R.S., Browne, I.W.A., Walsh, D., Wilkinson, P.N.: 1979, *Nature* **282**, 385, "VLBI observations of the double QSO 0957+561 A, B"
[POR81.1] Porcas, R.W., Booth, R.S., Browne, I.W.A., Walsh, D., Wilkinson, P.N.: 1981, *Nature* **289**, 758, "VLBI structures of the images of the double QSO 0957+561"

[POR00.1] Porciani, C., Madau, P.: 2000, *Astrophys. J.* **532**, 679, "Gravitational lensing of distant supernovae in cold dark matter universes"

[POR01.1] Porciani, C., Madau, P.: 2001, *Astrophys. J.* **548**, 522, "On the association of gamma-ray bursts with massive stars: implications for number counts and lensing statistics"

[PRE98.1] Premadi, P., Martel, H., Matzner, R.: 1998, *Astrophys. J.* **493**, 10, "Light propagation in inhomogeneous universes I: Methodology and preliminary results"

[PRE01.1] Premadi, P., Martel, H., Matzner, R., Futamase, T.: 2001, *Astrophys. J. Sup.* **135**, 7, "Light propagation in inhomogeneous universes II. Cosmological parameter survey"

[PRE73.1] Press, W.H., Gunn, J.E.: 1973, *Astrophys. J.* **185**, 397, "Method for detecting a cosmological density of condensed objects"

[PRE98.2] Press, W.H., Rybicki, G.B.: 1998, *Astrophys. J.* **507**, 108, " Magnification ratio of the fluctuating light in gravitational lens 0957+561"

[PRE92.1] Press, W.H., Rybicki, G.B., Hewitt, J.N.: 1992, *Astrophys. J.* **385**, 404, "The time delay of gravitational lens 0957+561. I. Methodology, and analysis of optical photometric data"

[PRE92.2] Press, W.H., Rybicki, G.B., Hewitt, J.N.: 1992, *Astrophys. J.* **385**, 416, "The time delay of gravitational lens 0957+561. II. Analysis of radio data, and combined optical-radio analysis"

[PRI95.1] Primack, J.R.: 1995, *Particle and Nuclear Astrophysics and Cosmology in the Next Millennium, eds Kolb, E.W., Peccei, R., World Scientific, 1995*, p.85, "Status of cosmological parameters: can $\Omega = 1$?"

[PYN93.1] Pyne, T., Birkinshaw, M.: 1993, *Astrophys. J.* **415**, 459, "Null geodesics in perturbed sparetimes"

[PYN96.1] Pyne, T., Birkinshaw, M.: 1995, *Astrophys. J.* **458**, 46, "Beyond the thin lens approximation"

[PYN96.2] Pyne, T., Gwinn, C.R., Birkinshaw, M., Eubanks, T.M., Matsakis, D.N.: 1996, *Astrophys. J.* **465**, 566, "Gravitational radiation and very long baseline interferometry"

[QIN95.1] Qin, B., Wu, X.P., Zou, Z.L.: 1995, *Astron. Astrophys.* **296**, 264, "An attempt to empirically evaluate the gravitational deflection of light modified newtonian dynamics"

[QUA99.1] Quast, R., Helbig, P.: 1999, *Astron. Astrophys.* **344**, 721, "Gravitational lensing statistics with extragalactic surveys I. A lower limit on the cosmological constant"

[QUI89.1] Quirrenbach, A., Witzel, A., Krichbaum, T., Hummel, C.A., Alberdi, A., Schalinski, C.: 1989, *Nature* **337**, 442, "Rapid variability of extragalactic radiosources"

[QUI89.2] Quirrenbach, A., Witzel, A., Qian, S.J., Krichbaum, T., Hummel, C.A., Alberdi, A.: 1989, *Astron. Astrophys.* **226**, L1, "Rapid radio polarization variability in the quasar 0917+624"

[RAC91.1] Racine, R.: 1991, *Astron. J.* **102**, 454, "Fifth image and photometric variability in 2237+0305 ("Einstein cross")"

[RAC92.1] Racine, R.: 1992, *Astrophys. J.* **395**, L65, "Continuum and CIII] microlensing in Q2237+0305 and the quasar geometry"

[RAD96.1] Radford, S.J.E., Downes, D., Solomon, P.M., Barrett, J., Sage, L.J.: 1996, *Astron. J.* **111**, 1021, "Resolution of the discrepancy in the CO(3-2) flux of IRAS F10214+4724"

[RAF01.1] Rafikov, R.R., Draine, B.T.: 2001, *Astrophys. J* **547**, 207, "Constraints on cold H_0 clouds from gravitational microlensing searches"

[RAH03.1] Rahvar, S.: 2003, *Int. Journal of Modern Phys. D* **12, No.1**, 45-61, "EROS/MACHO Gravitational Microlensing Events Toward LMC in Evans Halo Model"

[RAH03.2] Rahvar, S., Nouri-Zonoz, M.: 2003, *Monthly Notice Roy. Astron. Soc.* **338 (4)**, 926-930, "Gravitational microlensing in NUT space"

[RAO88.1] Rao, A.P., Subrahmanyan, R.: 1988, *Monthly Notices Roy. Astron. Soc.* **231**, 229, "1830-211 - a flat-spectrum radio source with double structure"

[RAT95.1] Ratnatunga, K.U., Ostrander,E.J., Griffiths, R,E., Myungshin Im: 1995, *Astrophys. J.* **453**, L5, "New 'Einstein Cross' gravitational lens candidates in HST WFPC2 survey images"

[RAT99.1] Ratnatunga, K.U., Griffiths, R.E. Ostrander, E.J.: 1999, *Astron. J.* **117**, 2010, "The top 10 list of gravitational lens candidates from the Hubble Space Telescope medium deep survey"

[RAT92.1] Ratra, B., Quillen, A.: 1992, *Monthly Notices Roy. Astron. Soc.* **259**, 738, "Gravitational lensing effects in a time-variable cosmological 'constant' cosmology"

[RAU91.1] Rauch, K.P.: 1991, *Astrophys. J.* **374**, 83, "Gravitational microlensing of high redshift supernovae by compact objects"

[RAU91.2] Rauch, K.P., Blandford, R.D.: 1991, *Astrophys. J.* **381**, L39, "Microlensing and the structure of AGN accretion disks"

[RAU94.1] Rauch, K.P., Blandford, R.D.: 1994, *Astrophys. J.* **421**, 46, "Optical caustics in a Kerr spacetime and the origin of rapid X-ray variability in active galactic nuclei"

[RAU02.1] Rauch, M., Sargent, W.L.W., Barlow, T.A., Simcoe, R.A.: 2002, *Astrophys. J.* **576**, 45-60, "Small-Scale Structure at High Redshift. IV. Low-Ionization Gas Intersecting Three Lines of Sight to Q2237+0305"

[RAU01.1] Rauch, M., Sargent, W.L.W., Barlow, T.A.: 2001, *Astrophys. J.* **554**, 823, "Small-scale structure at high redshift. II. Physical properties of the C IV absorbing clouds"

[RAU99.1] Rauch, M., Sargent,, W.L.W., Barlow, T.A.: 1999, *Astrophys. J.* **515**, 500, "Small-scale structure at high redshift. I.Glimpses of the interstellar medium at redshift 3.5"

[RAU01.2] Rauch, M., Sargent, W.L.W., Barlow, T.A., Carswell, R.F.: 2001, *Astrophys. J.* **562**, 76, "Small-Scale Structure at High Redshift. III. The Clumpiness of the Intergalactic Medium on Subkiloparsec Scales"

[RAU92.1] Rauch, K.P., Shude, M., Wambsganss, J., Paczyński, B.: 1992, *Astrophys. J.* **386**, 30, "Caustic-induced features in microlensing amplification probability distributions"

[RAY03.1] Raychaudhury, S., Saha, P., Williams, Liliya L.R.: 2003, *Astron. J.* **126**, 29-36, "Is B1422+231 a "Golden Lens"?"

[REA79.1] Reasenberg, R.D., Shapiro, I.I., MacNeil, P.E., Goldstein, R.B., Breidenthal, J.C. et al.: 1979, *Astrophys. J.* **234**, L219, "Viking relativity experiment: Verification of signal retardation by solar gravity"

[REB87.1] Reboul, H., Vanderriest, C., Fringant, A.M., Cayrel, R.: 1987, *Astron. Astrophys.* **177**, 337, "First results of a spectroscopic search for gravitational mirages"

[REB99.1] Reblinsky, K., Kruse, G., Jain, B., Schneider, P.: 1999, *Astron. Astrophys.* **351**, 815, "Cosmic shear and halo abundances: analytical versus numerical results"

[REC03.1] Rector, T.A., Stocke, J.T.: 2003, *Astron. J.* **125**, 2447-2454, "High-resolution radio imaging of gravitational lensing candidates in the 1 Jansky BL Lacertae sample"

[REE68.1] Rees, M.J., Sciama, D.W.: 1968, *Nature* **217**, 511, "Large scale density inhomogeneities in the Universe"

[REF03.2] Refregier, A.: 2003, *Monthly Notices Roy. Astron. Soc.* **338 (1)**, 35-47, "Shapelets: I. A Method for Image Analysis"

[REF03.1] Refregier, A.: 2003, *Annu. Rev. Astron. Astophys.* **41**, 645-668, "Weak gravitational lensing by large-scale structure"

[REF96.1] Refregier, A., Loeb, A.: 1996, *Proc. of "Rontgenstrahlung from the Universe", eds Zimmermann, U.H. et al., Garching, MPE*, p.611, "Probing cluster potentials through gravitational lensing of background X-ray sources"

[REF97.1] Refregier, A., Loeb, A.: 1997, *Astrophys. J.* **478**, 476, "Gravitational Lensing by Clusters of Galaxies"

[REF64.1] Refsdal, S.: 1964, *Monthly Notices Roy. Astron. Soc.* **128**, 307, "On the possibility of determining Hubble's parameter and the masses of galaxies from the gravitational lens effect"

[REF64.2] Refsdal, S.: 1964, *Monthly Notices Roy. Astron. Soc.* **128**, 295, "The gravitational lens effect"

[REF66.1] Refsdal, S.: 1966, *Monthly Notices Roy. Astron. Soc.* **132**, 101, "On the possibility of testing cosmological theories from the gravitational lens effect"

[REF66.2] Refsdal, S.: 1966, *Monthly Notices Roy. Astron. Soc.* **134**, 315, "On the possibility of determining the distance and masses of stars from the gravitational lens effect"

[REF70.1] Refsdal, S.: 1970, *Astrophys. J.* **159**, 357, "On the propagation of light in universes with inhomogeneous mass distribution"

[REF87.1] Refsdal, S., Grieger, B., Kayser, R.: 1987, *Proc. 13th Texas Symposium on Relativistic Astrophysics (eds. Ulmer, M.P.)*, p.321, "Gravitational microlensing as a clue to quasar structure"

[REF88.1] Refsdal, S., Kayser, R.: 1988, *The post-recombination universe NATO ASI Series C* **240**, 297, "Gravitational lenses"

[REF89.2] Refsdal, S., Kayser, R.: 1989, *IAU Symposium* **134**, 267, "Some remarks on gravitational microlensing"

[REF89.1] Refsdal, S., Stabell, R.: 1989, *New Scientist* **1675**, 51, "Stars that magnify quasars"
[REF91.1] Refsdal, S., Stabell, R.: 1991, *Astron. Astrophys.* **250**, 62, "Gravitational micro-lensing for large sources"
[REF93.1] Refsdal, S., Stabell, R.: 1993, *Astron. Astrophys.* **278**, L5, "Gravitational microlensing variability caused by small masses"
[REF97.2] Refsdal, S., Stabell, R.: 1997, *Astron Astrophys.* **325**, 877, "Gravitational microlensing of large sources including shear term effects"
[REF00.1] Refsdal, S., Stabell, R., Pelt, J., Schild, R: 2000, *Astron. Astrophys.* **360**, 10, "Constraints on source and lens parameters from microlensing variability in QSO 0957+561 A,B"
[REF92.1] Refsdal, S., Surdej, J.: 1992, *IAU Highlights of Astronomy* **9**, 3, "Gravitational Lensing"
[REF94.1] Refsdal, S., Surdej, J.: 1994, *Reports on Progress in Phys.* **56**, 117, "Gravitational Lenses"
[REG96.1] Regos, E.: 1996, *Astron. Astrophys.* **308**, 368, "An unbiased value of Ω from cluster infall and gravitational lensing"
[REI02.1] Reimers, D., Hagen, H.-J., Baade, R., Lopez, S., Tytler, D.: 2002, *Astron. Astrophys.* **382**, L26-L28, "Discovery of a new quadruply lensed QSO: HS 0810+2554 - A brighter twin to PG 1115+080"
[REI97.1] Reimers, D., Toussaint, F., Hagen, H.-J., Hippelein, H., Meisenheimer, K.: 1997, *Astron. Astrophys.* **326**, 489, "Two X-ray clusters close to line of sight of the luminous QSO HS 1700+6416"
[REM98.2] Remy, M., Claeskens, J.-F., Surdej, J., Hjörth, J., Refsdal,S., Wucknitz, O., Sorensen, A.N., Grundhal, F.: 1998, *New Astronomy* **3**, 379, "Detection of the lensing galaxy for the double QSO HE 1104-1805"
[REM93.1] Remy, M., Surdej, J., Smette, A., Claeskens, J.-F.: 1993, *Astron. Astrophys* **278**, L19, "Optical imaging of the gravitational lens system B 1422+231"
[REN97.1] Renault, C., Afonso, C., Aubourg, E., Bareyre, P., Bauer, F. et al.: 1997, *Astron. Astrophys.* **324**, L69, "Observational limits on Machos in the Galactic Halo"
[REN98.1] Renault, C., Aubourg, E., Bareyre, P., Brehin, S., Gros, M. et al.: 1998, *Astron. Astrophys.* **329**, 522, "Search for planetary mass objects in the Galactic halo through microlensing"
[REN97.2] Renn, J., Sauer, T., Stachel, J.: 1997, *Science* **275**, 184-186, "The Origin of Gravitational Lensing: A Postscript to Einstein's 1936 Science Paper"
[REY93.1] Reynolds, J.E. and the SHEVE team: 1993, *Proc. Sub-Arcsecond Radio Astronomy, 1992, Manchester*, p.156, "The unusual radiosource MSH 04-71"
[RHE91.1] Rhee, G.: 1991, *Nature* **350**, 211, "An estimate of the Hubble constant from the gravitational lensing of quasar Q 0957+561"
[RHI97.1] Rhie, S.H.: 1997, *Astrophys. J.* **484**, 63, "Infimum microlensing amplification of the maximum number of images of n-point lens systems"
[RHI96.1] Rhie, S.H., Bennet, D.P.: 1996, *Nucl. Phys. Proc. Suppl.* **51B**, 86, "Search for earth-mass planets and dark matter, too"

[RHI00.2] Rhie, S.H., Bennett, D.P., Becker et al. (The MPS and MOA Collaborations): 2000, *Astrophys. J.* **533**, 378, "On planetary companions to the MACHO-98-BLG-35 microlens star"

[RHI99.3] Rhie, S.H., Becker, A.C., Bennett, D.P. et al. (The Microlensing Planet Search Col.): 1999, *Astrophys. J.* **522**, 1037, "Observations of the binary microlens event MACHO-98-SMC-1 by the microlensing planet search collaboration"

[RHO98.1] Rhoads, J.E., Malhotra, S.: 1998, *Astrophys. J.* **495**, L55, 'Microlensing of globular clusters as a probe of galactic structure"

[RHO96.1] Rhoads, J.E., Malhotra, S., Kundić, S.: 1996, *Astron. J.* **111**, 642, " Infrared counterpart of the gravitational lens 1938+66.6"

[RHO00.1] Rhodes, J., Refregier, A., Groth, E.: 2000, *Astrophys. J.* **536**, 79, "Weak lensing measurements: A Revisited Method and application to Hubble Space Telescope images"

[RHO01.1] Rhodes, J., Refregier, A., Groth, E.J.: 2001, *Astrophys. J.* **552**, L85, "Detection of cosmic shear with the HST survey strip"

[RIE76.1] Rieke, G.H., Grasdalen, G.L., Kinman, T.D., Hintzen, P., Wills, B.J., Wills, D.: 1976, *Nature* **260**, 754, "Photometric and spectroscopic observations of the BL Lacertae object AO 0235+164"

[RIF88.1] Riffert, H., Mészáros, P.: 1988, *Astrophys. J.* **325**, 207, "Gravitational light bending near neutron stars. I. Emission from columns and hot spots"

[RIF01.1] Riffeser, A., Fliri, J., Gössl, C.A., Bender, R., Hopp, U. et al.: 2001, *Astron. Astrophys.* **379**, 362-373, "WeCAPP-Wendelstein Calar Alto pixellensing project I Tracing dark and bright matter in M 31"

[RIO97.1] Rioja, M.J., Marcaide, J.M., Elosegui, P., Shapiro, I.I.: 1997, *Astron. Astrophys.* **325**, 383, "Results from a decade-long VLBI astrometric monitoring of the pair of quasars 1038+528 A and B"

[RIX88.1] Rix, H.-W., Hogan, C.J.: 1988, *Astrophys. J.* **332**, 108, "Quasar microlensing and dark matter"

[RIX89.1] Rix, H.-W., Hogan, C.J.: 1989, *Lecture Notes in Physics* **330**, 206, "Ω estimates from microlensing"

[RIX94.1] Rix, H.-W., Maoz, D., Turner, E.L., Fukugita, M.: 1994, *Astrophys. J.* **435**, 49, "Galaxy mergers and gravitational lens statistics"

[RIX92.1] Rix, H.-W., Schneider, D.P., Bahcall, J.N.: 1992, *Astron. J.* **104**, 959, "Hubble Space Telescope wide field camera imaging of the gravitational lens 2237+0305"

[ROB84.1] Robertson, D.S., Carter, W.E.: 1984, *Nature* **310**, 572, "Relativistic deflection of radio signals in the solar gravitational field measured with VLBI"

[ROB91.1] Robertson, D.S., Carter, W.E., Dillinger, W.H.: 1991, *Nature* **349**, 768, "New measurement of solar gravitational deflection of radio signals using VLBI"

[ROB79.1] Roberts, D.H., Greenfield, P.E., Burke, B.F.: 1979, *Science* **205**, 894, "The double quasar 0957+561: a radio study at 6-centimeters wavelength"

[ROB85.1] Roberts, D.H., Greenfield, P.E., Hewitt, J.N., Burke, B.F., Dupree, A.K.: 1985, *Astrophys. J.* **293**, 356, "The multiple images of the quasar 0957+561"

[ROB91.2] Roberts, D., Lehár, J., Hewitt, J.N., Burke, B.F.: 1991, *Nature* **352**, 43, "The Hubble constant from VLA measurement of the time delay in the double quasar 0957+561"

[ROB83.1] Robinson, L.J.: 1983, *Sky and Telescope* **66**, 387, "Early thoughts about lenses in the sky"

[ROB87.1] Robinson, L.J.: 1987, *Sky and Telescope* **73**, 379, "Giant galactic arcs"

[ROD94.1] Rodrigues-Williams, L.L., Hogan, C.J.: 1994, *Astron. J.* **107**, 451, "Statistical association of QSO's with foreground galaxy clusters"

[ROD95.1] Rodrigues-Williams, L.L., Hawkins, M.R.S.: 1995, *AIP Conf. Proceedings 336, Dark Matter, College Park, MD, Oct.94 (eds. Holt, S.S., Bennett, C.L.W)*, p.331, "Gravitational lensing of variability-selected QSO by galaxy clusters"

[ROD95.2] Rodrigues-Williams, L.L., Saha, P.D.Q.: 1995, *Astron. J.* **110**, 1471, "Improper motions in lensed QSOs"

[ROE75.1] Roeder, R.C.: 1975, *Astrophys. J.* **196**, 671, "Apparent magnitudes, redshifts, and inhomogeneities in the universe"

[ROG01.1] Rognvaldsson, O.E., Greve, T.R., Hjörth, J., Gudmundsson, E.H., Sigmundsson, V.S. et al.: 2001, *Monthly Notices Roy. Astron. Soc.* **322**, 131-140, "Depletion of background galaxies due to the cluster lens CL0024+1654: U and R band observations"

[ROM92.1] Romani, R.W., Maoz, D.: 1992, *Astrophys. J.* **386**, 36, "The angular correlation of quasars and Abell clusters"

[ROM99.1] Romanovsky, A.J., Kochanek, C.: 1999, *Astrophys. J.* **516**, 18, "Constrains on H_0 from the central velocity dispersions of lens galaxies"

[ROM95.1] Romero, G.E., Surpi, G., Vucetich, H.: 1995, *Astron. Astrophys.* **301**, 641, "Rapid radio variability in PKS 0537-441: Superluminal microlensing caused by small masses in a foreground galaxy?"

[ROS00.1] Ros, E., Guirado, J.C., Marcaide, J.M., Perez-Torres, M.A., Falco, E.E. et al.: 2000, *Astron. Astrophys.* **362**, 845, "VLBI imaging of the gravitational lens MGJ0414+0534"

[ROS01.1] Rose, H.G: 2001, *Astron. Astrophys. Let.* **560**, L15-L17, "Apparent magnitudes in an inhomogeneous universe: the global viewpoint"

[ROU97.1] Roulet, E., Mollerach, E.: 1997, *Physics Reports* **279**, 67, "Microlensing"

[ROW91.1] Rowan-Robinson, M., Broadhurst, T., Oliver, S. J., Taylor, A. N., Lawrence, A. et al.: 1991, *Nature* **351**, 719, "A high-redshift IRAS galaxy with huge luminosity - Hidden quasar or protogalaxy?"

[ROZ72.1] Rozyczka, M.: 1972, *Acta Astron.* **22**, 93, "Counts of galaxies in the fields surrounding quasars"

[RUC95.1] Rucinski, S.: 1995, *Astrophys. J.* **446**, L19, "W Ursae Majoris-type systems discovered in the central Baade's window in the OGLE experiment"

[RUF99.1] Ruffa, A.A.: 1999, *Astrophys. J.* **517**, L31, "Gravitational lensing of gravitational waves"

[RUS02.2] Rusin, D.: 2002, *Astrophys. J.* **572**, 705-712, "The Expected Properties of Dark Lenses"

[RUS00.1] Rusin, D., Hall, P.B., Nichol, R.C., Marlow, D.R., Richards, A.M.S., Myers, S.T.: 2000, *Astrophys. J.* **533**, L89, "Adaptive optics imaging of the CLASS gravitational lens system B1359+154 with the Canada-France-Hawaii Telescope"

[RUS03.1] Rusin, D., Kochanek, C.S., Falco, E.E., Keeton, C.R., McLeod, B.A. et al.: 2003, *Astrophys. J.* **587**, 143-159, "The Evolution of a Mass-Selected Sample of Early-Type Field Galaxies"

[RUS03.2] Rusin, D., Kochanek, C.S., Keeton, C.R.: 2003, *Astrophys. J.* **595**, 29-42, "Self-Similar Models for the Mass Profiles of Early-type Lens Galaxies"

[RUS01.3] Rusin, D., Kochanek, C.S., Norbury, M., Falco, E.E., Impey, C.D. et al.: 2001, *Astrophys. J.* **557**, 594, "B1359+154: A six image lens produced by a z 1 compact group of galaxies"

[RUS01.1] Rusin, D., Ma, C.-P.: 2001, *Astrophys. J.* **549**, L33, "Constraints on the inner mass profiles of lensing galaxies from missing odd images"

[RUS01.2] Rusin, D., Marlow, D.R., Norbury, M., Browne, I.W.A., Jackson, N. et al.: 2001, *Astron. J.* **122**, 591, "The new two-image gravitational lens system CLASS B2319+051"

[RUS02.1] Rusin, D., Norbury, M., Biggs, A.D., Marlow, D.R., Jackson, N.J., Browne, I.W.A, Wilkinson, P.N., Myers, S.T.: 2002, *Monthly Notices Roy. Astron. Soc.* **330**, 205, "High resolution observations and mass modelling of the CLASS gravitational lens B1152+199"

[RUS01.4] Rusin, D., Tegmark, M.: 2001, *Astrophys. J.* **553**, 709, "Why Is the fraction of four-image radio lens systems so high?"

[RUS37.1] Russell, H.N.: 1937, *Scientific American* **156**, 76, "A relativistic eclipse"

[SAC61.1] Sachs, R.K.: 1961, *Proc. Roy. Soc. London, A* **264**, 309, "Gravitational waves in general relativity, VI: The outgoing radiation condition"

[SAC67.1] Sachs, R.K., Wolfe, A.M.: 1967, *Astrophys. J.* **147**, 73, "Perturbations of a cosmological model and angular variations of the microwave background"

[SAC93.1] Sackett, P.D., Gould, A.: 1993, *Astrophys. J.* **419**, 648, "MACHOs in a flattened halo"

[SAD67.1] Sader, D.: 1967, *Science* **15**, 1178, "Galaxies as gravitational lenses"

[SAF99.1] Safizadeh, N., Dalal, N., Griest, K.: 1999, *Astrophys. J.* **522**, 512, "Astrometric microlensing as a method of discovering and characterizing extrasolar planets"

[SAF00.1] Safonova, M.V., Lohiya, D.: 2000, *Journal of Gravitation and Cosmology* **6**, 327-334, "Gravity balls in induced gravity model - 'gravitational lens' effects"

[SAF01.1] Safonova, M., Torres, D.F., Romero, G.E.: 2001, *Modern Physics Let. A* **16, No.3**, 153-162, "Macrolensing Signatures of Large-Scale Violations of the Weak Energy Condition"

[SAF02.1] Safonova, M., Torres, D.F., Romero, G.E.: 2002, *Phys. Rev. D* **65**, 023001, "Microlensing by natural wormholes: theory and simulations"

[SAF02.2] Safonova, M., Torres, D.F.: 2002, *Modern Physics Let. A* **17, No.26**, 1685-1692, "Degeneracy in Exotic Gravitational Lensing"

[SAH97.1] Saha, P., Williams, L.L.R.: 1997, *Monthly Notices Roy. Astron. Soc.* **292**, 148, "Non-parametric reconstruction of the galaxy lens in PG 1115+080"

[SAH01.2] Saha, P., Williams, L.L.R.: 2001, *Astron. J.* **122**, 585, "Beware the nonuniqueness of Einstein Rings"

[SAH03.4] Saha, P., Williams, L.L.R.: 2003, *Astron. J.* **125**, 2769-2782, "Qualitative Theory for Lensed QSOs"

[SAH03.2] Sahu, K.,: 2003, *Astrophys. J.* **584**, 1042-1052, "Near-Field Microlensing and Its Effects on Stellar Transit Observations by Kepler"
[SAH02.1] Sahu, K.C., Anderson, J., King, I.R.: 2002, *Astrophys. J.* **565**, L21-L24, "A Reexamination of the "Planetary" Lensing Events in M22"
[SAH94.1] Sahu, K.C.: 1994, *Nature* **370**, 275, "Stars within the LMC as potential lenses for observed microlensing events"
[SAH94.2] Sahu, K.C.: 1994, *Pub. Astron. Soc. Pac.* **106**, 942, "Microlensing events of the LMC are better explained by stars within the LMC than by MACHOs"
[SAH00.1] Saha, P.: 2000, *Astron. J.* **120**, 1654, "Lensing degeneracies revisited"
[SAH03.3] Sahu, K.C., Gilliland, R.L.: 2003, *Astrophys. J.* **584**, 1042-1052, "Near-Field Microlensing and Its Effects on Stellar Transit Observations by Kepler"
[SAH98.2] Sahu, K. C., Sahu, M.S.: 1998, *Astrophys. J.* **508**, L147, "Spectroscopy of MACHO 97-SMC-1: self-lensing within the Small Magellanic Cloud"
[SAH01.3] Sahu, K.C., Casertano, S., Livio, M., Gilliland, R.L., Panagia, N., Albrow, M.D., Potter, M.: 2001, *Nature* **411**, 1022, "Gravitational microlensing by low-mass objects in the globular cluster M22"
[SAH98.1] Sahu, K. C., Shaw, R.A., Kaiser, M.E., Baum, S.A., Ferguson, H.C. et al.: 1998, *Astrophys. J.* **492**, L125, "Imaging and spectroscopy of arcs around the most luminous X-ray cluster, RXJ1347.5-1145"
[SAI01.1] Saini, T.D., Bharadwaj, S., Sethi, S.K.: 2001, *Astrophys. J.* **557**, 421, "Using gravitational lensing to study HI clouds at high redshift"
[SAI01.2] Saini, T.D., Raychaudhury, S.: 2001, *Astrophys. J. Let.* **560**, L9-L13, "A lens-mapping algorithm for weak lensing"
[SAI00.2] Saini, T.D., Raychaudhury, S., Shchekinov, Y.A.: 2000, *Astron. Astrophys.* **363**, 349, "Observing high-redshift supernovae in lensed galaxies"
[SAK99.1] Sakai, N., Sugiyama, N., Yokoyama, J.: 1999, *Astrophys. J.* **510**, 1, "Effect of void network on cosmic microwave background anisotropy"
[SAL03.1] Salata, S.A., Zhdanov, V.I.: 2003, *Astron. J.* **125**, 1033-1037, "Statistical astrometric microlensing of extended sources"
[SAL99.1] Salati, P., Taillet, R., Aubourg, E., Palanque-Delabrouille, N., Spiro, M.: 1999, *Astron. Astrophys.* **350**, L57, "Kinematics of LMC stellar populations and self-lensing optical depth"
[SAL00.1] Salim, S., Gould, A.: 2000, *Astrophys. J. 539* **241**, "Nearby microlensing events - identification of the candidates for the Space Interferometry Mission"
[SAM96.1] Sams III, B.J., Schuster, K., Brandl, B.: 1996, *Astrophys. J.* **459**, 491, "A search for molecular gas in high-redshift normal galaxies in the foreground of the gravitationally lensed quasar Q1208+1011"
[SAN02.1] Sand, D.J., Treu, T., Ellis, R.S.: 2002, *Astrophys. J.* **574**, L129-L133, "The Dark Matter Density Profile of the Lensing Cluster MS 2137-23: A Test of the Cold Dark Matter Paradigm"
[SAN97.1] Sanders, R.H.: 1997, *Astrophys. J.* **480**, 492, "A stratified framework for scalar-tensor theories of modified dynamics"
[SAN84.1] Sanders, R.H., Van Albada, T.S., Oosterloo, T.A.: 1984, *Astrophys. J.* **278**, L91, "Gravitational imaging by superclusters"

[SAN71.1] Sanitt, N.: 1971, *Nature* **234**, 199, "Quasi-stellar objects and gravitational lenses"

[SAN76.1] Sanitt, N.: 1976, *Monthly Notices Roy. Astron. Soc.* **174**, 91, "3C 268.4 - Evidence for the presence of a gravitationally-lensed secondary image"

[SAN97.1] Sanz, J.L., Martinez-Gonzalez, E., Benitez, N.: 1997, *Monthly Notices Roy. Astron. Soc.* **291**, 418, "Weak lensing correlations in open and flat universes"

[SAR96.1] Saraniti, D.W., Pretrosian, V., Lynds, R.: 1996, *Astrophys. J.* **458**, 57, "Gravitational lens model of arcs in Abell 2218"

[SAR01.1] Sarbu, N., Rusin, D., Ma, C.-P.: 2001, *Astrophys.J.* **561**, L147-L151, "Strong Gravitational Lensing and Dark Energy"

[SAR86.1] Sargent, W.L.W., Fillipenko, A.V., Steidel, C.C., Hazard, C., McMahon, R.G.: 1986, *Nature* **322**, 40, "Spectrum of a QSO with redshift 3.8"

[SAR87.1] Sargent, W.L.W., Steidel, C.C.: 1987, *Astrophys. J.* **322**, 142, "Absorption in the wide QSO pair Tololo 1037-2704 and Tololo 1038-2712: evidence for a specially aligned supercluster at z=2?"

[SAR96.2] Sari, S.: 1996, *Astrophys. J.* **462**, 110, "Gravitational deflection of light by a rotating astrophysical object"

[SAS87.1] Sasaki, M.: 1987, *Monthly Notices Roy. Astron. Soc.* **228**, 653, "The magnitude-redshift relation in a perturbed Friedmann universe"

[SAS89.1] Sasaki, M.: 1989, *Monthly Notices Roy. Astron. Soc.* **240**, 415, "Gravitational lens effect on anisotropies of the cosmic microwave background"

[SAS93.1] Sasaki, M.: 1993, *Prog. Theor. Phys.* **90**, 753, "Cosmological gravitational lens equation- its validity and limitation"

[SAS93.2] Sasaki, S., Takahara, F.: 1993, *Monthly Notices Roy. Astron. Soc.* **262**, 681, "Gravitational lens frequencies and the cosmological constant: an examination of amplification bias and galaxy formation redshift"

[SAS85.1] Saslaw, W.C., Narasimha, D., Chitre, S.M.: 1985, *Astrophys. J.* **292**, 348, "The gravitational lens as an astronomical diagnostic"

[SAT03.1] Sato, J., Umetsu, K., Futamase, T., Yamada, T.: 2003, *Astrophys. J.* **582**, L67-L70, "The Topology of a Weak Lensing Field in the Neighborhood of MS 1054-03"

[SAU97.2] Saunders, R., Baker, J.C, Bremer, M.N., Bunker, A.J., Cotter, G. et al.: 1997, *Astrophys. J.* **479**, L5, "Optical and infrared investigation towards the z=3.8 quasar pair PC1643+4631A and B"

[SAU91.1] Saust, A.B.: 1991, *Astron. Astrophys.* **243**, 33, "An observational search for gravitational micro-lensing"

[SAU92.1] Saust, A.B.: 1992, *Astron. Astrophys.* **266**, 101, "Intrinsic variability or microlensing in AO 0235+164?"

[SAU94.1] Saust, A.B.: 1994, *Astron. Astrophys. Suppl.* **103**, 33, "Determining the size of the emission line region in Q2237+031 from microlensing"

[SAU97.1] Saust, A.B.: 1997, *Astrophys. J.* **488**, 64, "A statistical investigation of the contamination of binary gravitational lens candidates by cataclysmic variables"

[SAW01.1] Sawicki, M.: 2001, *Astron. J.* **121**, 2405, "The ultraviolet-far-infrared energy budget of the gravitationally lensed Lyman break galaxy MS 1512-CB58"

[SAZ94.1] Sazhin, M.V., Cherepashchuk, A.M.: 1994, *Astronomy Letters* **20**, 523, "Gravitational microlensing of double and multiple stars"
[SAZ89.1] Sazhin, M.V., Khlopov, M.Y.: 1989, *Soviet Astron.* **33**, 98, "Cosmological strings and gravitational lensing effects"
[SAZ03.1] Sazhin, M., Longo, G., Capaccioli, M., Alcala, J.M., Silvotti, R., Covone, G., Khovanskaya, O., Pavlov, M. et al.: 2003, *Monthly Not. Roy. Astron. Soc.* **343**, 353-359, "CSL-1: chance projection effect or serendipitous discovery of a gravitational lens induced by a cosmic string?"
[SAZ98.1] Sazhin, M.V., Zharov, V.E., Volynkin, A.V., Kalinina, T.A.: 1998, *Monthly Notices Roy. Astron. Soc.* **300**, 287, "Microarcsecond instability of the celestial reference frame"
[SAZ01.1] Sazhin, M.V., Zharov, V.E., Kalinina, T.A.: 2001, *Monthly Notices Roy. Astron. Soc.* **323**, 952, "The parallax distorsion via a weak microlensing effect"
[SAZ01.1] Sazhin, M.V., Zharov, V.E., Kalinina, T.A.: 2001, *Monthly Notices Roy. Astron. Soc.* **323**, 952, "Parallax distortion by the weak microlensing effect"
[SCA00.1] Scannapieco, E., Silk, J., Tan, J.C.: 2000, *Astrophys. J.* **529**, 1, "Lensing-induced structure of submillimeter sources: Implications for the microwave background"
[SCA99.1] Scarpa, R., Urry, C.M., Falomo, R., Pesce, J.E., Webster, R. et al.: 1999, *Astrophys. J.* **521**, 134, "The Hubble Space Telescope Survey of BL Lacertae Objects: Gravitational lens candidates and other unusual sources"
[SCH97.3] Schechter, P.L., Bailyn, C.D., Barr, R., Barvainis, R., Becker, C.M. et al.: 1997, *Astrophys. J.* **475**, L85, "The quadruple gravitational lens PG 1115+080: Time delays and models"
[SCH98.2] Schechter, P.L., Gregg, M.D., Becker, R.H., Helfand, D.J., White, R.L.: 1998, *Astron. J.* **115**, 1371, "The FIRST first gravitationally lensed quasar: FBQ 0951+2635"
[SCH93.1] Schechter, P.L., Moore, C.B.: 1993, *Astron. J.* **105**, 1, "The lensing galaxy in MG0414+0534"
[SCH03.1] Schechter, P.L., Udalski, A., Szymański, M., Kubiak, M., Pietrzyński, G., Soszyński et al. (The OGLE Collaboration): 2003, *Astrophys. J.* **584**, 657-663, "Microlensing of Relativistic Knots in the Quasar HE 1104-1805 AB"
[SCH02.3] Schechter, P.L., Wambsganss, J.: 2002, *Astrophys. J.* **580**, 685-695, "Quasar Microlensing at High Magnification and the Role of Dark Matter: Enhanced Fluctuations and Suppressed Saddle Points"
[SCH90.1] Schild, R.E.: 1990, *Astron. J.* **100**, 1771, "The time delay in the twin QSO Q 0957+561"
[SCH91.1] Schild, R.E.: 1991, *Sky and Telescope* **81**, 375, "Gravity is my telescope"
[SCH96.4] Schild, R.: 1996, *Astrophys. J.* **464**, 125, "Microlensing variability of the gravitationally lensed quasar Q0957+561A,B"
[SCH99.1] Schild, R.: 1999, *Astrophys. J.* **514**, 598, "A wavemet exploration of the Q 0957+561 A, B brightness record"
[SCH86.1] Schild, R.E., Cholfin, B.: 1986, *Astrophys. J.* **300**, 209, "CCD camera brightness monitoring of QSO 0957+561 A, B"

[SCH91.2] Schild, R.E., Smith, R.C.: 1991, *Astron. J.* **101**, 813, "Microlensing in the Q 0957+561 gravitational mirage"
[SCH95.2] Schild, R., Thomson, D.J.: 1995, *Astron. J.* **109**, 1970, "Twin QSO Q0957+561 time delay dataset"
[SCH97.2] Schild, R., Thomson, D.J.: 1997, *Astron. J.* **113**, 130, "The Q0957+561 time delay from optical data"
[SCH03.3] Schild, R., Vakulik, V.: 2003, *Astron. J.* **126**, 689-695, "Microlensing of a ring model for quasar structure"
[SCH84.1] Schild, R.E., Weekes, T.: 1984, *Astrophys. J.* **277**, 481, "CCD brightness monitoring of the twin QSO 0957+561"
[SCH97.9] Schindler, S., Hattori, M., Neumann, D.M., Böringer, H.: 1997, *Astron. Astrophys.* **317**, 646, "ROSAT/HRI and ASCA observations of the most luminous X-ray clusterRXJ1347.5-1145"
[SCH95.3] Schindler, S., Guzzo, L., Ebeling, H., Böringer, H., Chincarini, G. et al.: 1995, *Astron. Astrophys.* **299**, L9, "Discovery of an arc systems in the brightest ROSAT cluster of galaxies"
[SCH97.5] Schindler, S., Wambsganss, J.: 1997, *Astron. Astrophys.* **322**, 66, "ROSAT/HRI study of the optically rich, lensing cluster CL0500-24"
[SCH00.4] Schmalzing, J., Takada, M., Futamase, T.: 2000, *Astrophys. J.* **544**, L83, "Effects of weak lensing on the topology of Cosmic Microwave Background maps"
[SCH02.1] Schmidt, R.W., Allen, S.W., Fabian, A.C.: 2002, *Monthly Notices Roy. Astron. Soc.* **327**, 1057-1070, "Chandra observations of the galaxy cluster Abell 1835"
[SCH98.4] Schmidt R., Wambsganss, J.: 1998, *Astron. Astrophys.* **335**, 379, "Limits on MACHOs from microlensing in the double quasar Q0957+561"
[SCH98.1] Schmidt, R., Webster, R.L., Lewis, G.F.: 1998, *Monthly Notices Royal Astron. Soc.* **295**, 488, "Weighing a galaxy bar in the lens Q2237+0305"
[SCH63.1] Schmidt, M.: 1963, *Nature* **197**, 1040, "3C 273: a star-like object with large red-shift"
[SCH02.6] Schmidt, R.W., Kundic, T., Pen, U.L., Turner, E.L., Wambsganss, J. et al.: 2002, *Astron. Astrophys.* **392**, 773-779, "Optical monitoring of the gravitationally lensed quasar Q2237+0305 from APO between June 1995 and January 1998"
[SCH03.2] Schneider, P., Lombardi, M.: 2003, *Astron. Astrophys.* **397**, 809-818, "The three-point correlation function of cosmic shear I. The natural components"
[SCH02.5] Schneider, P., van Waerbeke, L., Kilbinger, M., Mellier, Y.: 2002, *Astron. Astrophys.* **396**, 1-19, "Analysis of two-point statistics of cosmic shear I. Estimators and covariances"
[SCH02.4] Schneider, P., van Waerbeke, L., Mellier, Y.: 2002, *Astron. Astrophys.* **389**, 729-741, "B-modes in cosmic shear from source redshift clustering"
[SCH86.2] Schneider, D.P., Gunn, J.E., Turner, E.L., Lawrence, C.R., Hewitt, J.N., Schmidt, M., Burke, B.F.: 1986, *Astron. J.* **91**, 991, "The third image, the lens redshift, and new components of the gravitational lens 2016+112"
[SCH87.1] Schneider, D.P., Gunn, J.E., Turner, E.L., Lawrence, C.R., Schmidt, M.,

Burke, B.F.: 1987, *Astron. J.* **94**, 12, "Spectroscopy of the extranuclear line-emitting regions associated with the gravitational lens system 2016+112"

[SCH85.1] Schneider, D.P., Lawrence, C.R., Schmidt, M., Gunn, J.E., Turner, E.L., Burke, B.F., Dhawan, V.: 1985, *Astrophys. J.* **294**, 66, "Deep optical and radio observations of the gravitational lens system 2016+112"

[SCH91.3] Schneider, D.P., Schmidt, M., Gunn, J.E.: 1991, *Astron. J.* **101**, 2004, "Moderate resolution spectrophotometry of high redshift quasars"

[SCH88.1] Schneider, D.P., Turner, E.L., Gunn, J.E., Hewitt, J.N., Schmidt, M., Lawrence, C.R.: 1988, *Astron. J.* **95**, 1619, "High resolution CCD imaging and derived gravitational lens models of 2237+0305" (Erratum: 1988, *Astron. J.* **96**, 1755)

[SCH99.3] Schneider, P., King, L., Erben, T.: 1999, *Astron. Astrophys. 353,* **41**, "Cluster mass profiles from weak lensing: constraints from shear and magnification information"

[SCH98.7] Schneider, P., van Waerbeke, L., Jain, B., Kruse, G.: 1998, *Monthly Notices Roy. Astron. Soc.* **296**, 873, "A new measure for cosmic shear"

[SCH98.5] Schneider, P., van Waerbeke, L., Mellier, Y., Jain, B., Seitz, S., Fort, B.: 1998, *Astron. Astrophys.* **333**, 767, "Detection of shear due to weak lensing by large-scale structure"

[SCH89.1] Schneider, J.: 1989, *Astron. Astrophys.* **214**, 1, "Possible gravitational amplification in the binary pulsar 1957+20"

[SCH90.5] Schneider, J.: 1990, *Astron. Astrophys.* **232**, 62, "Gravitational beam deviation effects in the timing formula of binary pulsars"

[SCH84.2] Schneider, P.: 1984, *Astron. Astrophys.* **140**, 119, "The amplification caused by gravitational bending of light"

[SCH85.2] Schneider, P.: 1985, *Astron. Astrophys.* **143**, 413, "A new formulation of gravitational lens theory, time-delay, and Fermat's principle"

[SCH86.3] Schneider, P.: 1986, *Astrophys. J.* **300**, L31, "Statistical gravitational lensing and quasar-galaxy associations"

[SCH87.2] Schneider, P.: 1987, *Astron. Astrophys.* **179**, 71, "Apparent number density enhancement of quasars near foreground galaxies due to gravitational lensing. I - Amplification cross sections"

[SCH87.3] Schneider, P.: 1987, *Astron. Astrophys.* **179**, 80, "Apparent number density enhancement of quasars near foreground galaxies due to gravitational lensing. II - The amplification probability distribution and results"

[SCH87.4] Schneider, P.: 1987, *Astron. Astrophys.* **183**, 189, "Statistical gravitational lensing: influence of compact objects on the number counts of quasars"

[SCH87.5] Schneider, P.: 1987, *Astrophys. J.* **316**, L7, "The amplification bias by gravitational lensing on observed number counts of quasars: effects of a finite source size"

[SCH87.6] Schneider, P.: 1987, *Astrophys. J.* **319**, 9, "An analytically soluble problem in fully non linear statistical gravitational lensing"

[SCH89.2] Schneider, P.: 1989, *Astron. Astrophys.* **221**, 221, "The number excess of galaxies around high redshift quasars"

[SCH92.2] Schneider, P.: 1992, *Astron. Astrophys.* **254**, 14, "Inversion of the amplification bias and the number excess of foreground galaxies around high-redshift QSOs"

[SCH93.6] Schneider, P.: 1993, *Astron. Astrophys.* **279**, 1, "Upper bounds on the cosmological density of compact objects with sub-solar masses from the variability of QSOs"

[SCH95.7] Schneider, P.: 1995, *Astron. Astrophys.* **302**, 639, "Cluster lens reconstruction using only observed local data"

[SCH96.1] Schneider, P.: 1996, *Monthly Notices Roy. Astron. Soc.* **283**, 837, " Detection of (dark) matter concentrations via weak gravitational lensing"

[SCH97.7] Schneider, P.: 1997, *Monthly Notices Roy. Astron. Soc.* **292**, 673, "The cosmological lens equation and the equivalent single-plane gravitational lens"

[SCH97.4] Schneider, P., Bartelmann, M.: 1997, *Monthly Notices Roy. Astron. Soc.* **286**, 697, "Aperture multipole moments from weak gravitational lensing"

[SCH00.3] Schneider, D.P., Fan, X., Strauss, M.A., Gunn, J.E., Richards, G.T. et al.: 2000, *Astron. J.* **120**, 2183, "Discovery of a close pair of z = 4.25 quasars from the Sloan Digital Sky Survey"

[SCH00.1] Schneider, P., King, L., Erben, T.: 2000 *Astron. Astrophys.* **353**, 41, "Cluster mass profiles from weak lensing: constraints from shear and magnification information"

[SCH97.1] Schneider, P., Rix, H.-W.: 1997, *Astrophys. J.* **474**, 25, "Quantitative analysis of galaxy-galaxy lensing"

[SCH85.3] Schneider, P., Schmid-Burgk, J.: 1985, *Astron. Astrophys.* **148**, 369, "Mutual coherence of gravitationally lensed images"

[SCH95.1] Schneider, P., Seitz, C.: 1995, *Astron. Astrophys.* **294**, 411, "Steps towards nonlinear cluster inversion through gravitational distortions. I.Basic considerations and circular clusters"

[SCH87.7] Schneider, P., Wagoner, R.V.: 1987, *Astrophys. J.* **314**, 154, "Amplification and polarization of supernovae by gravitational lensing"

[SCH90.2] Schneider, P., Wambsganss, J.: 1990, *Astron. Astrophys.* **237**, 42, "Are the broad emission lines of quasars affected by gravitational microlensing?"

[SCH86.4] Schneider, P., Weiss, A.: 1986, *Astron. Astrophys.* **164**, 237, "The two-point-mass lens: detailed investigation of a special asymmetric gravitational lens"

[SCH87.8] Schneider, P., Weiss, A.: 1987, *Astron. Astrophys.* **171**, 49, "A gravitational lens origin for AGN-variability? Consequences of micro-lensing"

[SCH88.3] Schneider, P., Weiss, A.: 1988, *Astrophys. J.* **330**, 1, "Light propagation in inhomogeneous universes: the ray-shooting method"

[SCH88.4] Schneider, P., Weiss, A.: 1988, *Astrophys. J.* **327**, 526, "Light propagation in inhomogeneous universes"

[SCH91.4] Schneider, P., Weiss, A.: 1991, *Astron. Astrophys.* **247**, 269, "A practical approach to (nearly) elliptical gravitational lens models"

[SCH92.3] Schneider, P., Weiss, A.: 1992, *Astron. Astrophys.* **260**, 1, "The gravitational lens equation near cusps"

[SCH94.2] Schramm, K.-J., Borgeest, U.: 1994, *Bulletin de la Soc. Roy. des Sciences de Liège* **63**, 501, "The monitoring of seeing contaminated gravitational lenses"

[SCH93.5] Schramm, K.-J., Borgeest, U., Camenzind, M., Wagner, S.J., Bade, N. et al.: 1993, *Astron. Astrophys.* **278**, 391, "Recent activity in the optical and radio lightcurves of the blazar 3C 345: indications for a "lighthouse effect" due to jet rotation"

[SCH94.1] Schramm, K.-J., Borgeest, U., Kühl, D., von Linde, J., Linnert, M.D., Schramm, T.: 1994, *Astron. Astrophys.* **106**, 349, "The Hamburg Quasar monitoring program (HQM) at Calar Alto: III. Lightcurves of optically violent variable sources"

[SCH88.5] Schramm, T.: 1988, *NATO ASI Ser. C "The Post-Recombination Universe" (eds. Kaiser, N., Lasenby, A.N.)* **240**, 319, "Properties of gravitational lens mappings"

[SCH90.3] Schramm, T.: 1990, *Astron. Astrophys.* **231**, 19, "Realistic elliptical potential wells for gravitational lens models"

[SCH94.4] Schramm, T.: 1994, *Astron. Astrophys.* **284**, 44, "A toolbox for general elliptical gravitational lenses"

[SCH87.9] Schramm, T., Kayser, R.: 1987, *Astron. Astrophys.* **174**, 361, "A simple imaging procedure for gravitational lenses"

[SCH94.3] Schramm, T., Kayser, R.: 1994, *Astron. Astrophys.* **289**, L5, "Radial cluster lensing: A simple differential equation describing arclet fields"

[SCH95.6] Schramm, T., Kayser, R.: 1995, *Astron. Astrophys.* **299**, 1, "The complex theory of gravitational lensing: Beltrami equation and cluster lensing"

[SCH93.2] Schramm, T., Kayser, R., Chang, K., Nieser, L., Refsdal, S.: 1993, *Astron. Astrophys.* **268**, 350, "Moving microlensing caustics"

[SCH02.2] Schwarz, D.J., Seidel, D.: 2002, *Astron. Astrophys.* **388**, 483-491, "Microlensing neutron stars"

[SCH93.4] Schwarzschild, B.: 1993, *Physics Today* **October**, 17, "First of the twin 10-meter Keck telescopes starts doing astronomy"

[SCO95.1] Scoville, N.Z., Yun, M.S., Brown, R.L., Vanden Bout, P.A.: 1995, *Astrophys. J.* **449**, L109, "Extended Molecular Gas in FSC 10214+4724"

[SEI96.2] Seitz, C., Kneib, J.-P., Schneider, P., Seitz, S.: 1996, *Astron. Astrophys.* **314**, 707, "The mass distribution of CL0939+4713 obtained from a ,weak' lensing analysis of a WFPC2 image"

[SEI94.1] Seitz, C., Schneider, P.: 1994, *Astron. Astrophys.* **288**, 1, "Variability of microlensing light curves. I. Autocorrelation method and the calculation of the correlated deflection probability"

[SEI95.1] Seitz, C., Schneider, P.: 1995, *Astron. Astrophys.* **297**, 287, "Steps towards nonlinear cluster inversion through gravitational distortions. II. Generalization of the Kaiser and Squires method"

[SEI97.1] Seitz, C., Schneider, P.: 1997, *Astron. Astrophys.* **318**, 687, "Steps towards nonlinear cluster inversion through gravitational distortions: III. Including a redshift distribution of the sources"

[SEI94.4] Seitz, C., Wambsganss, J., Schneider, P.: 1994, *Astron. Astrophys.* **288**, 19, "Variability of microlensing light curves. II. Magnification fluctuations, au-

tocorrelation functions, and applications to QSO 2237+0305"
[SEI01.1] Seitz, S., Schneider, P.: 2001, *Astron. Astrophys.* **374**, 740-745, "A new finite-field mass reconstruction algorithm"
[SEI95.3] Seitz, S., Schneider, P.: 1995, *Astron. Astrophys.* **302**, 9, "The density of 1-Jansky sources around Zwicky clusters"
[SEI96.1] Seitz, S., Schneider, P.: 1996, *Astron. Astrophys.* **305**, 383, "Cluster lens reconstruction using only observed local data: an improved finite-field inversion technique"
[SEI92.1] Seitz, S., Schneider, P.: 1992, *Astron. Astrophys.* **265**, 1, "Two theorems in multiple deflection gravitational lens theory"
[SEI94.2] Seitz, S., Schneider, P.: 1994, *Astron. Astrophys.* **287**, 349, "Some remarks on multiple deflection gravitational lensing"
[SEI98.3] Seitz, S., Saglia, R.P., Bender, R., Hopp, U., Belloni, P., Ziegler, B.: 1998, *Monthly Notices Roy. Astron. Soc.* **298**, 945, "The z=2.72 galaxy cB58: a gravitational fold arc lensed by the cluster MS 1512+36"
[SEI98.2] Seitz, S., Schneider, P., Bartelmann, M.: 1998, *Astron. Astrophys.* **337**, 325, "Entropy-regularized maximum-likelihood cluster mass reconstruction"
[SEI94.3] Seitz, S., Schneider, P., Ehlers, J.: 1994, *Classical and Quantum Gravity* **11**, 2345, "Light propagation in arbitrary spacetimes and the gravitational lens approximation"
[SEL94.1] Seljak, U.: 1994, *Astrophys. J.* **436**, 509, "Large scale structure effects on the gravitational lens image positions and time delay"
[SEL96.1] Seljak, U.: 1996, *Astrophys. J.* **463**, 1, "Gravitational lensing effect on cosmic microwave background anisotropies: a power spectrum approach"
[SEL98.1] Seljak, U.: 1998, *Astrophys. J.* **506**, 64, "Weak lensing reconstruction and power spectrum estimation: Minimum variance methods"
[SEL99.2] Seljak, U., Holz, D.E.: 1999, *Astron. Astrophys.* **351**, L10, "Limits on the density of compact objects from high redshift supernovae"
[SEL00.1] Seljak, U., Zaldarriaga, M: 2000, *Astrophys. J.* **538**, 57, "Lensing-induced cluster signatures in the cosmic microwave background"
[SEV01.1] Sevenster, M.N., Kalnajs, A.J.: 2001, *Astron. J.* **122**, 885, "An inner ring and the microlensing toward the bulge"
[SER02.1] Sereno, M.: 2002, *Astron. Astrophys.* **393**, 757-764, "Probing the dark energy with strong lensing by clusters of galaxies"
[SER02.3] Sereno, M.: 2002, *Physics Let. A* **305**, 7-11, "Gravitational lensing by spinning and radially moving lenses"
[SER03.1] Sereno, M.: 2003, *Monthly Notices Roy. Astron. Soc.* **344**, 942-950, "Gravitational lensing by stars with angular momentum"
[SER02.2] Sereno, M., Cardone, V.F.: 2002, *Astron. Astrophys.* **396**, 393-396, "Gravitational lensing by spherically symmetric lenses with angular momentum"
[SER95.1] Serjeant, S., Lacy, M., Rawlings, S., King, L., Clements, D.L.: 1995, *Monthly Notices Roy. Astron. Soc.* **276**, L31, " Spectroscopic evidence that the extreme properties of IRAS F10214+4724 are due to gravitational lensing"
[SER98.1] Serjeant, S., Rawlings, S., Lacy, M., McMahon, R.G., Lawrence, A., Rowan-Robinson, M., Mountain, M.: 1998, *Monthly Notices Roy. Astron. Soc.* **298**,

321-331, “A spectroscopic study of IRAS F10214+4724”
[SER99.1] Serra-Ricart, M., Oscoz, A., Sanchis, T., Mediavilla, E., Goicoechea, L.J. et al.: 1999, *Astrophys. J.* **526**, 40, “BVRI photometry of QSO 0957+561A, B: Observations, new reduction method, and time delay”
[SET83.1] Setti, G., Zamorani, G.: 1983, *Astron. Astrophys.* **118**, L1, “Can all quasars be gravitationally lensed Seyfert's nuclei?”
[SHA94.1] Shaffer, D.B.: 1994, *Proc. of a Workshop "Compact Extragalactic Radio Sources", Socorro, (eds. Zensus, J.A., Kellermann, K.I.)*, p.132, “VLBI observations of 0218+357 at 18cm”
[SHA86.1] Shaklan, S.B., Hege, E.K.: 1986, *Astrophys. J.* **303**, 605, “Detection of the lensing galaxy in PG 1115+080”
[SHA95.1] Shalyapin, V.N.: 1995, *Astronomy Reports* **39**, 594, “Microlensing by a “particle-grid” method”
[SHA97.1] Shalyapin, V.N.: 1997, *Astronomy Reports* **41**, 320, “Scattering of an electromagnetic wave by a layer of randomly distributed gravitational lenses”
[SHA02.1] Shalyapin, V.N., Goicoechea, L.J., Alcalde, D., Mediavilla, E., Muñoz, J.A., Gil-Merino, R.: 2002, *Astrophys. J.* **579**, 127-135, “The Nature and Size of the Optical Continuum Source in QSO 2237+0305”
[SHA74.1] Shapiro, S.L., Elliot, J.L.: 1974, *Nature* **250**, 111, “Are BL Lac-type objects nearby black holes”
[SHA00.1] Shapiro, P.R., Iliev, I.T.: 2000, *Astrophys. J.* **542**, L1, “On the mass profile of galaxy cluster CL 0024+1654 inferred from strong lensing”
[SHA85.1] Shaver, P.A.: 1985, *Astron. Astrophys.* **143**, 451, “A study of quasar pairs”
[SHA88.1] Shaver, P.A.: 1988, *The post-recombination universe NATO ASI Series C (eds. Kaiser, N., Lasenby, A.N.)* **240**, 229, “Quasar clustering and gravitational lenses”
[SHA86.2] Shaver, P.A., Cristiani, S.: 1986, *Nature* **321**, 585, “Test of the gravitational lens hypothesis for the quasar pair 1146+111 B, C”
[SHA85.2] Shaver, P.A., Robertson, J.G.: 1985, *Monthly Notices Roy. Astron. Soc.* **212**, 15, “The close QSO pair Q1548+114 A, B”
[SHA96.1] Shaver, P.A., Wall, J.V., Kellermann, K.I.: 1996, *Monthly Notices Roy. Astron. Soc.* **278**, L11, “PKS 1251-407: A radio-loud quasar at z=4.46”
[SHA87.1] Shaver, P.A., Wampler, E.J., Cristiani, S.: 1987, *Nature* **327**, 40, “Quasar spectra and the gravitational lens hypothesis”
[SHA99.1] Shaviv, N.J., Heyl, J.S., Lithwick, Y.: 1999, *Monthly Notices Roy. Astron. Soc.* **306**, 333-347, “Magnetic lensing near ultramagnetized neutron stars”
[SHA80.1] Shawcross, W.E.: 1980, *Sky and Telescope* **60**, 486, “Multiple quasars and gravitational lenses”
[SHE01.1] Sheldon, E.S., Annis, J., Böhringer, H., Fischer, P., Frieman, J.A. et al.: 2001, *Astrophys. J.* **554**, 881, “Weak-lensing measurements of 42 SDSS/RASS galaxy clusters”
[SHI02.1] Shioya, Y., Taniguchi, Y., Murayama, T., Ajiki, M., Nagao, T. et al.: 2002, *Publ. Astron. Soc. Japan* **54**, 975-979, “SDSSp J104433.04?012502.2 at z=5.74 is Gravitationally Magnified by an Intervening Galaxy”

[SIE98.1] Siemiginowska, A., Bechtold, J., Aldcroft, T.L., McLeod, K.K., Keeton, C.R.: 1998, *Astrophys. J.* **503**, 118, "Q1208+1011: Search for the lensing galaxy"

[SIL74.1] Silvestro, G.: 1974, *Astron. Astrophys.* **36**, 41, "Massive black holes as gravitational lenses"

[SIM02.1] Simmons, J.F.L., Bjorkman, J.E., Ignace, R., Coleman, I.J.: 2002, *Monthly Notices Roy. Astron. Soc.* **336 (2)**, 501-510, "Polarization from microlensing of spherical circumstellar envelopes by a point lens"

[SIM95.1] Simmons, J.F.L., Newsam, A., Willis, J.P.,: 1995, *Monthly Notices Roy. Astron. Soc.* **276**, 182, "Variable polarisation and luminosity for microlensing of extended stellar sources"

[SIM94.1] Simmons, J.F.L., Willis, J.P., Newsam, A.: 1994, *Astron. Astrophys.* **293**, L46, "Polarisation as a tool for gravitational microlensing surveys"

[SIN01.1] Sinachopoulos, D., Nakos, Th., Boumis, P., van Dessel, E., Burger, M., Rodriguez-Gil, P.: 2001, *Astron. J.* **122**, 1692-1696, "Photometric variability of the gravitational lens 0142-100 (UM 673)"

[SLU03.1] Sluse, D., Surdej, J., Claeskens, J.-F., De Rop, I., Lee, D.-W., Iovino, A., Hawkins, M.: 2003, *Astron. Astrophys.* **397**, 539-544, "Close pairs of quasars with different redshifts: New observations and results"

[SLU03.2] Sluse, D., Surdej, D., Claeskens, J.-F., Hutsemekers, D., Jean, C., Courbin, F., Nakos, T., Billeres, M., Khmil, S.V.: 2003, *Astron. Astrophys.* **406**, L43-L46, "A quadruply imaged quasar with an optical Einstein ring candidate: 1RXS J113155.4-123155"

[SMA95.1] Smail, I., Couch, W.J., Ellis, R.S., Sharples, R.M.: 1995, *Astrophys. J.* **440**, 501, "HST observations of gravitationally lensed features in the rich cluster AC114"

[SMA97.2] Smail, I., Ellis, R.S., Dressler, A., Couch, W.J., Oemler, A. et al.: 1997, *Astrophys. J.* **479**, 70, "A comparison of direct and indirect mass estimates for distant clusters of galaxies"

[SMA95.5] Smail, I., Dickinson, M.: 1995, *Astrophys. J.* **455**, L99, "Lensing by distant clusters: Hubble Space Telescope observations of weak shear in the field of 3C324"

[SMA96.1] Smail, I., Dressler, A., Kneib, J.-P., Ellis, R.S., Couch, W.J., Sharples, R.M., Oemler Jr., A.: 1996, *Astrophys. J.* **469**, 508, "HST observations of giant arcs: high-resolution imaging of distant field galaxies"

[SMA90.1] Smail, I., Ellis, R., Allington-Smith, J.: 1990, *Gemini* **30**, 1, "Gravitational lensing: a probe of distant field galaxies"

[SMA93.1] Smail, I., Ellis, R.S., Aragón-Salamanca, A., Soucail, G., Mellier, Y., Giraud, E.: 1993, *Monthly Notices Roy. Astron. Soc.* **263**, 628, "The nature of star formation in lensed galaxies at high redshift"

[SMA94.1] Smail, I., Ellis, R.S., Fitchett, M.J.: 1994, *Monthly Notices Roy. Astron. Soc.* **270**, 245, "Gravitational lensing of distant field galaxies by rich clusters: I.Faint galaxy redshift distributions"

[SMA95.2] Smail, I., Ellis, R.S., Fitchett, M.J., Edge,A.C.: 1995, *Monthly Notices Roy. Astron. Soc.* **273**, 277, "Gravitational lensing of distant field galaxies by rich clusters-II.Cluster mass distributions"

[SMA91.1] Smail, I., Ellis, R.S., Fitchett, M.J., Norgaard-Nielsen, H.U., Hansen, L., Jorgensen, H.J.: 1991, *Monthly Notices Roy. Astron. Soc.* **252**, 19, "A statistically complete survey for arc like features in images of distant rich clusters of galaxies"

[SMA95.4] Smail, I., Hogg, D.W., Blandford, R., Cohen, J.G. et al.: 1995, *Monthly Notices Roy. Astron. Soc. 277*, 1, "The discovery of two giant arcs in the rich cluster A2219 with the Keck Telescope"

[SMA97.1] Smail, I., Ivison, R.J., Blain, A.W.: 1997, *Astrophys. J.* **490**, L5, "A deep submillimeter survey of lensing clusters: A new window on galaxy formation and evolution"

[SMA02.1] Smail, I., Ivison, R.J., Blain, W., Kneib, J.-P.: 2002, *Monthly Notices Roy. Astron. Soc.* **331 (2)**, 495-520, "The nature of faint submillimetre-selected galaxies"

[SMA97.3] Small, T.A., Sargent, W.L.W., Steidel, C.C.: 1997, *Astron. J.* **114**, 2254, "Temporal changes in quasar broad emission line profiles and the gravitationally lensed nature of Q1634+267A,B and Q2345+007A,B"

[SME97.1] Smette, A., Claeskens, J.-F., Surdej, J.: 1997, *New Astronomy* **2**, 53, "Gravitational lensing by damped Ly α absorbers"

[SME92.1] Smette, A., Surdej, J., Shaver, P.A., Foltz, C.B., Chaffee, F.H. et al.: 1992, *Astrophys. J.* **389**, 39, "A spectroscopic study of UM 673 A and B: on the size of Lyman-α clouds"

[SME95.1] Smette, A., Robertson, J.G., Shaver, P.A., Reimers, D., Wisotzki, L., Köler, Th.: 1995, *Astron. Astrophys. Suppl.* **113**, 199, "The gravitational lens candidate HE 1104-1805 and the size of absorption systems"

[SMI86.1] Smith, D.H.: 1986, *Sky and Telescope* **72**, 115, "The rise and fall of a cosmic string"

[SMI88.1] Smith, D.H.: 1988, *Sky and Telescope* **76**, 358, "Arcs galore"

[SMI79.1] Smith, F.G.: 1979, *Nature* **279**, 374, "A gravitational lens"

[SMI03.4] Smith, M.C.: 2003, *Monthly Notices Roy. Astron. Soc.* **343**, 1172-1180, "The OGLE-II event *sc*5_2859: an example of disk-disk microlensing"

[SMI01.1] Smith, D.R., Bernstein, G.M., Fischer, P., Jarvis, R.M.: 2001, *Astrophys. J.* **551**, 643, "Weak lensing determination of the mass in galaxy halos"

[SMI77.1] Smith, H.E., Burbidge E.M., Junkkarinen V.T.: 1977, *Astrophys. J.* **218**, 611, "The nature of the nebulosity associated with the BL Lacertae object AO 0235+164"

[SMI03.3] Smith, G.P., Edge, A.C., Eke, V.R., Nichol, R.C., Smail, I., Kneib, J.-P.: 2003, *Astrophys. J.* **590**, L79-L82, "Measuring σ_8 with Cluster Lensing : Biases from Unrelaxed Clusters"

[SMI01.2] Smith, G.P., Kneib, J.-P., Ebeling, H., Czoske, O., Smail, I.: 2001, *Astrophys. J.* **552**, 493, "An HST lensing survey of X-ray luminous galaxy clusters: I. A383"

[SMI03.1] Smith, M.C., Mao, S., Paczyński, B.: 2003, *Monthly Notices Roy. Astron. Soc.* **339 (4)**, 925-936, "Acceleration and Parallax Effects in Gravitational Microlensing"

[SMI03.1] Smith, M.C., Mao, S., Wožniak, P.: 2003, *Astrophys. J.* **585**, L65-L68, "A Brown Dwarf Microlens Candidate from the Second Phase of the Optical Gravitational Lensing Experiment"

[SMI02.1] Smith, G.P., Smail, I., Kneib, J.-P., Czoske, O., Ebeling, H. et al.: 2002, *Monthly Notices Roy. Astron. Soc.* **330**, 1, "A Hubble Space Telescope Lensing Survey of X-ray Luminous Galaxy Clusters: II. A Search for Gravitationally Lensed EROs"

[SMI02.3] Smith, G.P., Smail, I., Kneib, J.-P., Davis, C.J., Takamiya, M., Ebeling, H., Czoske, O.: 2002, *Monthly Notices Roy. Astron. Soc.* **333 (1)**, L16-L20, "A Hubble Space Telescope lensing survey of X-ray luminous galaxy clusters - III. A multiply imaged extremely red galaxy at z=1.6"

[SMI02.2] Smith, M.C., Mao, S., Woźniak, P.R.: 2002, *Monthly Notices Roy. Astron. Soc.* **332 (4)**, 962-970, "Parallax microlensing events in the OGLE II database toward the galactic bulge"

[SNE95.1] Snellen, I.A.G., de Bruyn, A.G., Schilizzi, R.T., Miley, G.K., Myers, S.T.: 1995, *Astrophys. J.* **447**, L9, "Radio observations of the quadruple lens 1608+656"

[SOI80.1] Soifer, B.T., Neugebauer, G., Matthews, K., Becklin, E.E., Wynn-Williams, C.G., Capps, R.: 1980, *Nature* **285**, 91, "IR observations of the double quasar 0957+561 A, B and the intervening galaxy"

[SOL04.1] Soldner, J.: 1804, *Berliner Astron. Jahrb. 1804*, p.161, "Uber die Ablenkung eines Lichtstrahls von seiner geradlinigen Bewegung durch die Attraktion eines Weltkörpers, an welchem er nahe vorbeigeht"

[SOL84.1] Sol, H., Vanderriest, C., Lelièvre, G., Pedersen, H., Schneider, J.: 1984, *Astron. Astrophys.* **132**, 105, "UBVr photometry of 2345+007 A, B, and the gravitational lens hypothesis"

[SOS01.1] Soszyński, I., Zebruń, K., Woźniak, P.R., Mao, S., Udalski, A. et al.: 2001, *Astrophys. J.* **552**, 731, "Optical Gravitational Lensing Experiment: Difference Image Analysis of OGLE-2000-BUL-43, a Spectacular Ongoing Parallax Microlensing Event"

[SOU90.1] Soucail, G.: 1990, *Astrophys. Space Sci.* **170**, 283, "What can we learn from arcs in clusters of galaxies?"

[SOU92.1] Soucail, G.: 1992, *The Messenger* **69**, 48, "Spectroscopy of arcs and arclets in rich clusters of galaxies"

[SOU92.2] Soucail, G.: 1992, *Proc. of the NATO Advanced Study Institute on Clusters and Superclusters, Cambridge 1991, (ed. Fabian, Kluwer Acad. Publ.)*, p.199, "Clusters as gravitational lenses"

[SOU95.1] Soucail, G.: 1995, *"Cluster of galaxies", 14th Moriond Astrophys. Meeting, 1994*, p.343, "Arcs and arclets in cluster correlations"

[SOU91.1] Soucail, G., Fort, B.: 1991, *Astron. Astrophys.* **243**, 23, "Can H_0 be determined from giant luminous arcs?"

[SOU87.1] Soucail, G., Fort, B., Mellier, Y., Picat, J.P.: 1987, *Astron. Astrophys.* **172**, L14, "A blue ring-like structure in the center of the A370 cluster of galaxies"

[SOU99.1] Soucail, G., Kneib, J.-P., Bézecourt, J., Metcalfe, L., Altieri, B., Le Borgne, J.F.: 1999, *Astron. Astrophys.* **343**, L70, "A ring galaxy at z=1 lensed by the cluster Abell 370"

[SOU01.1] Soucail, G., Kneib, J.P., Jansen, A.O., Hjörth, J., Hattori, M., Yamada, T.:

2001, *Astron. Astrophys.* **367**, 741, "Spectroscopic confirmation of a cluster of galaxies at z=1 in the field of the gravitational lens MG2016+112"

[SOU87.2] Soucail, G., Mellier, Y., Fort, B., Hammer, F., Mathez, G.: 1987, *Astron. Astrophys.* **184**, L7, "Further data on the blue ring-like structure in A370"

[SOU88.2] Soucail, G., Mellier, Y., Fort, B., Mathez, G., Cailloux, M.: 1988, *Astron. Astrophys.* **191**, L19, "The giant arc in A370: spectroscopic evidence for gravitational lensing from a source at z = 0.724"

[SPI93.1] Spillar, E.J.: 1993, *Astrophys. J.* **403**, 20, "The detection of gravitational lenses by radio autocorrelation"

[SPI84.1] Spinrad, H., Djorgovski, S.: 1984, *Astrophys. J.* **280**, L9, "3C 324 - An extremely distant cluster radio galaxy"

[SPI84.2] Spinrad, H., Djorgovski, S.: 1984, *Astrophys. J.* **285**, L49, "Spectroscopy of extremely distant radio galaxies"

[SQU96.1] Squires, G., Kaiser, N.: 1996, *Astrophys. J.* **473**, 65, "Unbiased cluster lens reconstruction"

[SQU96.3] Squires, G., Kaiser, N., Babul, A., Fahlman, G., Woods, D. et al.: 1996, *Astrophys. J.* **461**, 572, "The dark matter, gas and galaxy distributions in Abell 2218: a weak gravitational lensing and x-ray analysis"

[SQU96.2] Squires, G., Kaiser, N., Fahlman, G., Babul, A., Woods, D.: 1996, *Astrophys. J.* **469**, 73, "A weak gravitational lensing analysis of Abell 2390"

[SQU97.1] Squires, G., Neumann, D.M., Kaiser, N., Arnaud, M., Babul, A. et al.: 1997, *Astrophys. J.* **482**, 648, "Weak gravitational lensing and X-ray analysis of Abell 2163"

[STA92.1] Stabell, R.: 1992, *NOT News* **5**, 5, "Gravitational Lenses"

[STA93.1] Stanek, K.Z., Paczyński, B., Goodman, J.: 1993, *Astrophys. J.* **413**, L7, "Features in the spectra of gamma-ray bursts"

[STA95.1] Stanek, K.Z.: 1995, *Astrophys. J.* **441**, L29, "Magnitude offset between lensed stars and observed stars: a new probe of the structure of the galactic bar"

[STA86.1] Stark, A.A., Dragovan, M., Wilson, R.W., Gott, J.R.: 1986, *Nature* **322**, 805, "Observations of the cosmic background radiation near the double quasar 1146+111 B, C"

[STE90.1] Steidel, C.C.: 1990, *Astrophys. J. Suppl.* **72**, 1, "A high-redshift extension of the survey for CIV absorption in the spectra of QSOs: the redshift evolution of the heavy element absorbers"

[STE90.2] Steidel, C.C., Sargent, W.L.W.: 1990, *Astron. J.* **99**, 1693, "A reexamination of the gravitational lens interpretation of the close QSO pair Q 2345+007 A,B: implications for the nature of the Lyman-α forest clouds"

[STE91.1] Steidel, C.C., Sargent, W.L.W.: 1991, *Astron. J.* **102**, 1610, "Spectral differences in the QSO pairs Q1634+267 A, B and Q2345+007 A, B and the gravitational lens interpretation"

[STE99.1] Steigman, G., Tkachev, I.: 1999, *Astrophys. J.* **522**, 793, "Ω_B and Ω_0 from MACHOs and local group dynamics"

[STE98.1] Stella, L., Vietri, M.: 1998, *Astrophys. J.* **492**, L59, "Lens-thirring precession and quasi-periodic oscillations in low-mass X-ray binaries"

[STE76.1] Stephani, H., Herlt, E.: 1976, *Intern. J. Theoret. Physics* **15**, 45, "Wave optics of the spherical gravitational lens -I: Diffraction of a plane electromagnetic wave"

[STE78.1] Stephani, H., Herlt, E.: 1978, *Intern. J. Theoret. Physics* **17**, 189, "Wave optics of the spherical gravitational lens -II: Diffraction of a plane electromagnetic wave by a black hole"

[STI91.1] Stickel, M.: 1991, *Proc. of the Workshop on Variability of Active Gal.*, p.303, "Lensing of BL Lac objects"

[STI88.1] Stickel, M., Fried, J.W., Kühr, H.: 1988, *Astron. Astrophys.* **198**, L13, "AO 0235+164: the case of a gravitationally microlensed BL Lac object?"

[STI88.2] Stickel, M., Fried, J.W., Kühr, H.: 1988, *Astron. Astrophys.* **206**, L30, "PKS 0537-441: a gravitationally lensed blazar?"

[STI89.2] Stickel, M., Fried, J.W., Kühr, H.: 1989, *Astron. Astrophys.* **224**, L27, "The gravitational lens hypothesis for 0846+51W1 supported by new observations"

[STI92.1] Stickel, M., Kühr, H.: 1992, *Astron. Astrophys.* **264**, 68, "2319+272: A flat spectrum quasar viewed through the cluster Abell 2584"

[STO84.1] Stocke, J.T., Liebert, J., Schild, R., Gioia, I.M., Maccacaro, T.: 1984, *Astrophys. J.* **277**, 43, "1E 0104.2+3153: a broad absorption-line QSO viewed through a giant elliptical galaxy"

[STO97.1] Stocke, J.T., Rector, T.A.: 1997, *Astrophys. J.* **489**, L17, "An excess of Mg II absorbers in BL Lacertae Objects"

[STO87.1] Stocke, J.T., Schneider, P., Morris, S.L., Gioia, I.M., Maccacaro, T., Schild, R.E.: 1987, *Astrophys. J.* **315**, L11, "X-ray-selected AGNs near bright galaxies"

[STO95.1] Stocke, J.T., Wurtz, R.E., Perlman, E.S.: 1995, *Astrophys. J.* **454**, 55, "MS 0205.7+3509: A microlensed BL Lacertae candidate"

[STO80.1] Stockton, A.: 1980, *Astrophys. J.* **242**, L141, "The lens galaxy of the twin QSO 0957+561"

[STO99.1] Stompor, R., Efstathiou, G.: 1999, *Monthly Notices Roy. Astron. Soc.* **302**, 735, "Gravitational lensing of cosmic microwave background anisotropies and cosmological parameters estimation"

[STO02.1] Stornaiolo, C.: 2002, *Gen.Rel.Grav.* **34**, 2089-2099, "Cosmological Black Holes"

[STR62.1] Strom, S.E., Strom, K.M.: 1962, *Astrophys. J.* **136**, 307, "A possible explanation for Jovian decametric bursts"

[SUB90.1] Subrahmanyan, R., Narasimha, D., Pramesh Rao, A., Swarup, G.: 1990, *Monthly Notices Roy. Astron. Soc.* **246**, 263, "1830-211: Gravitationally lensed images of a flat-spectrum radio core?"

[SUB92.1] Subrahmanyan, R., Kesteven, M.J., te Lintel Hekkert, P.: 1992, *Monthly Notices Roy. Astron. Soc.* **259**, 63, "The HI emission and absorption spectra towards the double radio source 1830-211"

[SUB84.1] Subramanian, K., Chitre, S.M.: 1984, *Astrophys. J.* **276**, 440, "The quasar Q 2345+007 A, B: a case for the double gravitational lens?"

[SUB87.1] Subramanian, K., Chitre, S.M.: 1987, *Astrophys. J.* **313**, 13, "The intensity ratio in different wave bands between images of gravitationally lensed quasars as a probe of dark matter"

[SUB85.1] Subramanian, K., Chitre, S.M., Narasimha, D.: 1985, *Astrophys. J.* **289**, 37, "Minilensing of multiply imaged quasars: flux variations and vanishing images"

[SUB86.1] Subramanian, K., Cowling, S.A.: 1986, *Monthly Notices Roy. Astron. Soc.* **219**, 333, "On local conditions for multiple imaging by bounded, smooth gravitational lenses"

[SUB91.1] Subramanian, K., Gopal-Krishna: 1991, *Astron. Astrophys.* **248**, 55, "Enhanced probability of intensity outbursts via superluminal microlensing of quasars"

[SUB84.2] Subramanian, K., Narashima, D., Chitre, S.M.: 1984, *IAU Symposium* **110**, 249, "Gravitational lenses and VLBI structures"

[SUB87.2] Subramanian, K., Rees, M.J., Chitre, S.M.: 1987, *Monthly Notices Roy. Astron. Soc.* **224**, 283, "Gravitational lensing by dark galactic haloes"

[SUF80.1] Suffern, K.G.: 1980, *Proc. Astron. Soc. of Australia* **4**, 76, "Gravitational lenses and QSO redshifts"

[SUG98.1] Suginohara, M., Suginohara, T., Spergel, D.N.: 1998, *Astrophys. J.* **495**, 551, "Cross-correlating cosmic microwave background radiation fluctuations with redshift surveys: Detecting the signature of gravitational lensing"

[SUL00.1] Sullivan, M., Ellis, R., Nugent, P., Smail, I, Madau, P.: 2000, *Monthly Notices Roy. Astron. Soc.* **319**, 549, "A strategy for finding gravitationally-lensed distant supernovae"

[SUM03.1] Sumi, T., Abe, F., Bond, A., Dodd, R.J., Hearnshaw, J.B., Honda, M., Honma, M. et al.: 2003, *Astrophys. J.* **591**, 204-227, "Microlensing Optical Depth toward the Galactic Bulge from Microlensing Observations in Astrophysics Group Observations during 2000 with Difference Image Analysis"

[SUM00.1] Sumi, T., Honma, M: 2000, *Astrophys. J.* **538**, 657, "Constraining the location of microlensing objects by using the finite source effect in EAGLE events"

[SUR92.1] Suran, D.M., Popescu, C.C.: 1992, *Romanian Astron. J.* **2**, 3, "The lensed quasars, traces of quasar's evolution?"

[SUR84.1] Surdej, J.: 1984, *Ciel et Terre* **100**, 153, "Quasars et lentilles gravitationnelles"

[SUR99.1] Surdej, J.: 1999, *Astron. Soc. Pac., The Universe in the Classroom* **46**, 5, "Gravitational lensing by a wine glass"

[SUR92.2] Surdej, J., Angonin, M.-C., Arnaud, J., Bauer, T., Borgeest, U. et al.: 1992, *Proc. 2nd DAEC Meeting (eds. Mamon, G.A., Gerbal, D.)*, p.97, "ESO key programme "Gravitational lensing: quasars and radio galaxies": A status report"

[SUR89.1] Surdej, J., Arnaud, J., Borgeest, U., Djorgovski, S., Fleischmann, F. et al.: 1989, *The Messenger* **55**, 8, "Gravitational lensing"

[SUR92.3] Surdej, J., Claeskens, J.-F., Crampton, D., Filippenko, A.V., Hutsemékers, D. et al.: 1992, *Proc. HST Workshop "Science with the Hubble Space Telescope" (eds. Benvenuti, P., Schreier, E.)*, p.111, "Gravitational lensing statistics based on a large sample of highly luminous quasars observed with ground-based telescopes and HST"

[SUR00.1] Surdej, J., Claeskens, J.-F.: 2000, *chapter for the book "The Century of*

Space Science", eds. J. Bleeker, J. Geiss and M.C.E. Huber, Kluwer Academic Publishers, "Gravitational Lensing"

[SUR93.1] Surdej, J., Claeskens, J.-F., Crampton, D., Filippenko, A.V., Hutsemékers, D. et al.: 1993, *Astron. J.* **105**, 2064, "Gravitational lensing statistics based on a large sample of highly luminous quasars"

[SUR97.2] Surdej, J., Claeskens, J.-F., Remy, M., Refsdal, S., Pirenne, B., Prieto, A., Vanderriest, Ch.: 1997, *Astron. Astrophys.* **327**, L1, "HST confirmation of the lensed quasar J03.13"

[SUR88.2] Surdej, J., Magain, P., Swings, J.P., Borgeest, U., Courvoisier, T.J.-L. et al.: 1988, *Astron. Astrophys.* **198**, 49, "Observations of the new gravitational lens system UM 673 = Q 0142-100"

[SUR87.1] Surdej, J., Magain, P., Swings, J.P., Borgeest, U., Courvoisier, T.J.-L., Kayser, R., Kellermann, K.I., Kühr, H., Refsdal, S.: 1987, *Nature* **329**, 695, "A new case of gravitational lensing"

[SUR88.3] Surdej, J., Magain, P., Swings, J.P., Remy, M., Borgeest, U. et al.: 1988, *Proc. first DAEC Workshop on "Large Scale Structures" (eds. Balkowski, C., Gordon, S.)*, p.95, "Preliminary results from a search for gravitational lensing within a sample of highly luminous quasars"

[SUR94.1] Surdej, J., Refsdal, S.: 1994, *27th ESLAB Symp. "Frontiers of Space and Ground-Based Astronomy", Astrophysics and Space Science Library, (eds. Wamsteker, W., Longair, M.S., Kondo, Y.)*, p.409, "Gravitational lensing as a tool: future observational prospects"

[SUR92.4] Surdej, J., Remy, M., Haubold, H.: 1992, *Proc. HST Workshop "Science with the Hubble Space Telescope" (eds. Benvenuti, P., Schreier, E.)*, p.127, "World Astronomy Day (WAD) project No 3: Astrophysical and cosmological tests using gravitational lenses"

[SUR93] Surdej, J., Remy, M., Smette, A., Claeskens, J.-F., Magain, P. et al.: 1993, *Proc. 31st Liège Astrophys. Int. Col. "Gravitational Lenses in the Universe", eds. Surdej et al.*, p.153, "Two new very close pairs of quasars with discordant redshifts and a gravitational lens candidate"

[SUR88.1] Surdej, J., Swings, J.-P., Magain, P., Borgeest, U., Kayser, R., Refsdal, S. et al.: 1988, *ASP Conf. Ser.* **2**, 183, "Search for gravitational lensing from a survey of highly luminous quasars"

[SUR95.1] Surdej, J., Vanderriest, C., Angonin-Willaime, M.-C., Claeskens, J.-F., Felenbok, P.: 1995, *ESO Workshop on "Science with the VLT", Garching, June, 1994, Main Proc. Volume*, p.383, "Integral field spectroscopy of selected extragalactic objects with Fuegos"

[SUR03.1] Surpi, G., Blandford, R.D.: 2003, *Astrophys. J.* **584**, 100-109, "The Gravitational Lens B1608+656. I. V-, I-, and H-Band Hubble Space Telescope Imaging"

[SUR99.1] Surpi, G.C., Harari, D.D.: 1999, *Astrophys. J.* **515**, 455, "Weak-lensing by large-scale structure and the polarization properties of distant radio sources"

[SUR96.1] Surpi, G.C., Harari, D.D., Frieman, J.A.: 1996, *Astrophys. J.* **464**, 54, "Large-scale structure and the determination of H_o from gravitational lens time delays"

[SUR96.2] Surpi, G.C., Romero, G.E., Vucetich, H.: 1996, *Revista Mexicana de Astronomia y Astrofisica* **32**, 153, "The gravitational microlensing scenario for PKS 0537-441"

[SUT99.1] Sutherland, W.: 1999, *Rev. Mod. Phys.* **71**, 421, "Gravitational microlensing - A report on the MACHO project"

[SUT95.1] Sutherland, W., Alcock, C., Allsman, R., Axelrod, T. et al.: 1995, *Nucl. Phys. B (Proc. Suppl.)* **38**, 379 , "Gravitational microlensing results from MACHO"

[SUT95.2] Suto, Y., Suginohara, T., Inagaki, Y.: 1995, *Progress of Theoretical Physics* **93**, 839-843, "Limits on the Gobal Hubble Constant and the Age of the Universe from the Local Hubble Constant Measurement"

[SWI01.1] Swift, J.J., Welch, W.J.: 2001, *Astrophys. J.* **549**, L29, "Spatially resolved millimeter spectroscopy of the gravitational lens PKS 1830-211"

[SWI92.1] Swings, J.-P.: 1992, *Bull. Soc. Roy. des Science de Liège* **61**, 329, "A few comments on the measurement of the time delay in the double quasar Q 0957+561, and on the subsequent determination of the Hubble constant"

[SWI94.1] Swings, J.-P.: 1994, *Class. Quantum Grav.* **11**, A183-A193, "Gravitational lensing"

[SYK98.1] Sykes, C.M., Browne, I.W.A., Jackson, N.J., Marlow, D.R., Nair, S. et al.: 1998, *Monthly Notices Roy. Astron. Soc.* **301**, 310, "The complex gravitational lens system B1933+503"

[SZY93.1] Szymański, M., Udalski, A.: 1993, *Acta Astron.* **43**, 91, "Optical gravitational lensing experiment. Database of 1992 results"

[SZY94.1] Szymański, M., Udalski, A., Kaluzny, J., Kubiak, M., Krzeminski W., and Mateo, M.: 1994, *Acta Astron.* **44**, 387, "The optical gravitational lensing experiment. Follow up observations of the MACHO microlensing event in the galactic bulge"

[TAD00.1] Tada, M., Futamase, T.: 2000, *Progress of Theoretical Physics* **104 (5)**, 971-980, "A Determination of the Hubble Parameter with the Gravitational Lens System PG1115+080"

[TAD98.1] Tadros, H., Warren, S., Hewett, P.: 1998, *New Astronomy Rev.* **42**, 115, "How to find MACHOs in the Virgo cluster"

[TAI96.1] Taillet, R., Salati,P., Longaretti, P.-Y.: 1996, *Astrophys. J.* **461**, 104, "The dark side of globular clusters"

[TAK01.2] Takada, M.: 2001, *Astrophys. J.* **558**, 29, "Lensing-induced non-gaussian signatures in the Cosmic Microwave Background"

[TAK01.1] Takada, M., Futamase, T.: 2001, *Astrophys. J.* **546**, 620, "Detectability of the gravitational lensing effect on the two-point correlation function of hot spots in cosmic microwave background maps"

[TAK03.1] Takada, M., Jain, B.: 2003, *Astrophys. J.* **583**, L49-L52, "The Three-Point Correlation Function for Spin-2 Fields"

[TAK03.3] Takada, M., Jain, B.: 2003, *Monthly Notices Roy. Astron. Soc.* **344**, 857-886, "Three-point correlations in weak lensing surveys: model predictions and applications"

[TAK00.1] Takada, M., Komatsu, E., Futamase, T.: 2000, *Astrophys. J.* **533**, L83, "Gravitational lensing effect on the on the two-point correlation of hot spots in the cosmic microwave background"

[TAK98.1] Takalo, L.O., Sillanpaa, A., Valtaoja, E., Katajainen , S., Nilsson, K. et al.: 1998, *Astron. Astrophys. Sup.* **129**, 577, "Monitoring of AO 0235+164 during a faint state"

[TAK03.4] Takahashi, R.: 2003, *Astrophys. J.* **595**, 418-428, "Astrometric Microlensing by Finite-Size Lenses"

[TAK03.2] Takahashi, R., Nakamura, T.: 2003, *Astrophys. J.* **595**, 1039-1051, "Wave Effects in the Gravitational Lensing of Gravitational Waves from Chirping Binaries"

[TAK01.3] Takahashi, R., Yonehara, A., Mineshige, S.: 2001, *Publ. Astron. Soc. Japan* **53**, 387, "X-Ray Microlensing of Bright Quasars"

[TAK01.4] Takahashi, R., Chiba, T.: 2001, *Astrophys. J.* **563**, 489-496, "Gravitational lens statistics and density profile of dark halo"

[TAL99.1] Tal, A., Sternberg, A.: 1999, *Astrophys. J.* **520**, 137, "Near-infrared microlensing of stars by the supermassive black hole in the Galactic Center"

[TAR02.1] Taruya, A., Takada, M., Hamana, T.: 2002, *Astrophys. J.* **571**, 638-653, "Lognormal Property of Weak-Lensing Fields"

[TAY98.1] Taylor, A., Dye, S.: 1998, *New Astronomy Rev.* **42**, 153, "Gravitational Lens Magnification: An Analysis of Abell 1689"

[TAY98.1] Taylor, A.N., Dye, S., Broadhurst, T.J., Benitez, N., Van Kampen, N.: 1998, *Astrophys. J.* **501**, 539, "Gravitational lens magnification and the mass of Abell 1689"

[TEG00.1] Tegmark, M.: 2000, *Nature* **405**, 133, "Cosmology: The dark side of distortion"

[TEG02.1] Tegmark, M.: 2002, *Science* **296**, 1427-1433, "Measuring Spacetime: From the Big Bang to Black Holes"

[TEG97.1] Tegmark, M., Villumsen, J..: 1997, *Monthly Notices Roy. Astron. Soc.* **289**, 169, "Is lensing of point sources a problem for future CMB experiments?"

[THO01.1] Thompson, D., Pozzetti, L., Hasinger, G., Lehmann, I., Schmidt, M. et al.: 2001, *Astron. Astrophys.* **377**, 778-783, "The ROSAT deep survey VII. RX J105343+5735: A massive cluster at z= 1.263"

[THO90.1] Thomas, P.A., Webster, R.L.: 1990, *Astrophys. J.* **349**, 437, "Gravitational lensing and evolution in quasar absorption systems"

[THO95.1] Thomas, P.A., Webster, R.L., Drinkwater, M.J.: 1995, *Monthly Notices Roy. Astron. Soc.* **273**, 1069, "Quasar-galaxy associations"

[TIN95.1] Tinney, C.G.: 1995, *Monthly Notices Roy. Astron. Soc.* **277**, 609, "A gravitational lens candidate behind the Fornax dwarf spheroidal galaxy"

[TIP99.1] Tippler, F.G.: 1999, *Astrophys. J.* **511**, 546, "How far out must we go to get into the Hubble flow?"

[TOF00.1] Toft, S., Hjörth, J., Burud, I.: 2000, *Astron. Astrophys.* **357**, 115, "The extinction curve of the lensing galaxy of B1152+199 at z=0.44"

[TOF03.1] Toft, S., Soucail, G., Hjörth, J.: 2003, *Monthly Not. Roy. Astron. Soc.* **344 (2)**, 337-346, "The galaxy population of the z=1 cluster of galaxies MG2016+112"

[TOM96.3] Tomita, K.: 1996, *Publ. Astron. Soc. Japan.* **48**, 265, "Quasar lensing caused by clusters of galaxies in various cosmological models"

[TOM98.1] Tomita, K.: 1998, *Progress of Theoretical Physics* **99 (1)**, 97-108, "Cosmological simulation of gravitational weak lensing in flat models"

[TOM96.2] Tomaney, A.B., Crotts, A.P.S.: 1996, *Astron. J.* **112**, 2872, "Expanding the realm of microlensing surveys with difference image photometry"

[TOM91.1] Tomita, K.: 1991, *Prog. Theor. Phys.* **85**, 57, "Gravitational lens effect of wall-like objects and its cosmological implications"

[TOM96.1] Tomita, K.: 1996, *Publ. Astron. Soc. Japan* **48**, 265, "Quasar lensing caused by clusters of galaxies in various cosmological models"

[TOM00.1] Tomita, K.: 2000, *Astrophys. J.* **529**, 38, "Distances and lensing in cosmological void models"

[TOM99.2] Tomita, K., Asada, H., Hamana, T.: 1999, *Prog. Theor. Phys. Supp.* **133**, 155, "Distances in inhomogeneous cosmological models"

[TOM99.1] Tomita, K., Premadi, P., Nakamura, T.T.: 1999, *Prog. Theor. Phys. Supp.* **133**, 185, "Various approaches to cosmological gravitational lensing in inhomogenous models"

[TOM89.1] Tomita, K., Watanabe, K.: 1989, *Prog. Theor. Phys.* **82**, 563, "Gravitational lens effect on the cosmic background radiation due to nonlinear inhomogeneities"

[TOM90.1] Tomita, K., Watanabe, K.: 1990, *Prog. Theor. Phys.* **83**, 467, "Gravitational lens effect on the images of high redshift objects"

[TON98.1] Tonry, J.L.: 1998, *Astron. J.* **115**, 1, "Redshifts of the gravitational lenses B1422+231 and PG1115+080"

[TON99.1] Tonry, J.L., Franx, M.: 1999, *Astrophys. J.* **515**, 512, "Velocity dispersion of the gravitational lens 0957+561"

[TON99.2] Tonry, J.L., Kochanek, C.S.: 1999, *Astron. J.* **117**, 2034, "Redshifts of the gravitational lenses MG0414+0534 and MG0751+2716"

[TON00.1] Tonry, J.L., Kochanek, C.S.: 2000, *Astron. J.* **119**, 1078, "Redshifts of the gravitational lenses MG1131+0456 and B1938+666"

[TOR01.1] Torres, D.F., Eiroa, E.F., Romero, G.E.: 2001, sl Modern Physics Let. A **16, No. 28**, 1849-1861, "On the Possibility of An Astronomical Detection of Chromaticity Effects in Microlensing by Wormhole-Like Objects"

[TOR02.1] Torres, D.F., Romero, G.E., Eiroa, E.F.: 2002, *Astrophys. J.* **569**, 600-604, "Gravitational lensing as a possible explanation for some unidentified gamma-ray sources at high latitudes"

[TOR03.1] Torres, D.F., Romero, G.E., Eiroa, E.F., Wambsganss, J., Pessah, M.E.: 2003, *Monthly Notice Roy. Astron. Soc.* **339 (2)**, 335-352, "Gravitational microlensing of gamma-ray blazars"

[TOT03.1] Totani, T.: 2003, *Astrophys. J.* **586**, 735-744, "Cluster-Cluster Microlensing as a Probe of Intracluster Stars, MACHOs, and Remnants of the First-Generation Stars"

[TRA97.1] Trager, S.C., Faber, S.M.: 1997, *Astrophys. J.* **485**, 92, "Galaxies at z 4 and the formation of population II"

[TRE81.1] Treder, H.-J., Jackish, G.: 1981, *Astron. Nachr.* **302**, 275, “On Soldner’s value of Newtonian deflection of light”
[TRE95.1] Trentham, N.: 1995, *Monthly Notices Roy. Astron. Soc.* **277**, 616, “How much of the extreme luminosity of IRAS F10214+4724 can be attributed to gravitational lensing”
[TRE02.1] Treu, T., Koopmans, L.V.E.: 2002, *Astrophys. J.* **575**, 87-94, “The Internal Structure and Formation of Early-Type Galaxies: The Gravitational Lens System MG 2016+112 at z = 1.004”
[TRE03.1] Treu, T., Koopmans, L.V.E.: 2003, *Monthly Notices Roy. Astron. Soc.* **337 (2)**, L6-L10, “The internal structure of the lens PG1115+080: breaking degeneracies in the value of the Hubble constant”
[TRE03.2] Treu, T., Koopmans, L.: 2003, *Monthly Notices Roy. Astron. Soc.* **343**, L29-L32, “The redshift of the Einstein Ring in MG1549+305”
[TRE91.1] Treuhaft, R. N., Lowe, S.T.: 1991, *Astron. J.* **102**, 1879, “A measurement of planetary relativistic deflection”
[TRI96.1] Trifalenkov, I.A., Sazhin, M.V., Cherepashchuk, A.M.: 1996, *Astronomy Reports* **40**, 458, “Microlensing effects in globular star clusters”
[TRI90.1] Trinchieri, G., Fabbiano, G., Elvis, M.: 1990, *Astrophys. J.* **356**, 430, “A highly X-ray-variable active galactic nucleus near M 101: a microlensing candidate”
[TRI90.2] Tripp, T.M., Green, R.F., Bechtold, J.: 1990, *Astrophys. J.* **364**, L29, “IUE Observations of PG 1115+080: the He I Gunn-Peterson test and a search for the lensing galaxy”
[TRO02.1] Trott, C.M., Webster, R.L.: 2002, *Monthly Notices Roy. Astron. Soc.* **334 (3)**, 621-630, “Dissecting a galaxy: mass distribution of 2237+0305”
[TRO00.1] Trotter, C.S., Winn, J.N., Hewitt, J.N.: 2000, *Astrophys. J.* **535**, 671, “A multipole-Taylor expansion for the potential of gravitational lens MG J0414+0534”
[TSA01.1] Tsapras, Y., Street, R., Horne, K., Penny, A., Clarke, F. et al.: 2001, *Monthly Notices Roy. Astron. Soc.* **325**, 1205-1212, “Can Jupiters be found by monitoring Galactic Bulge microlensing events from northern sites?”
[TSA03.1] Tsapras, Y., Horne, K., Carson, R., Alvarez, J.M., Batcheldor, D., Graham, A.W., James, P.A.: 2003, *Monthly Notices Roy. Astron. Soc.* **337 (1)**, 41-48, “Constraints on Jupiters from observations of Galactic Bulge microlensing events during 2000”
[TSA03.2] Tsapras, Y., Horne, K., Kane, S., Carson, R.: 2003, *Monthly Notices Roy. Astron. Soc.* **343**, 1131-1144, “Microlensing limits on numbers and orbits of extra-solar planets from the 1998-2000 OGLE events”
[TSU94.1] Tsuboi, M., Nakai, N.: 1994, *Publ. Astron. Soc. Japan* **46**, L179, “ Strong CO (J=1-0) emission toward IRASF 10214+4724”
[TUR80.1] Turner, E.L.: 1980, *Astrophys. J.* **242**, L135, “The effect of undetected gravitational lenses on statistical measures of quasar evolution”
[TUR84.1] Turner, E.L.: 1984, *Science* **223**, 1255, “Quasars and gravitational lenses”
[TUR86.2] Turner, E.L.: 1986, *Inner Space Outer Space: The interface between cosmology and particle physics (eds. Kolb, E.W., Turner, M.S., Lindley, D. et al.), ed. Univ. of Chicago Press*, p.535, “Gravitational lenses and particle properties”

[TUR87.1] Turner, E.L.: 1987, *IAU Symposium* **117**, 227, "Gravitational lenses and dark matter: observations"

[TUR87.2] Turner, E.L.: 1987, *IAU Symposium, Observational Cosmology* **124**, 755, "1146+111 B, C: A giant gravitational lens?"

[TUR87.3] Turner, E.L.: 1988, *IAU Symposium, The Impact of VLBI on Astrophys.* **129**, 191, "VLBI observations of gravitational lens systems"

[TUR88.6] Turner, E.L.: 1988, *The Proc. of the 13th Texas Symposium on Relativistic Astr. (ed. Ulmer, M.), World Scientific, Singapore*, p.317, "Gravitational lenses and large scale structures"

[TUR88.1] Turner, E.L.: 1988, *Scientific American* **259**, 26, "Gravitational lenses"

[TUR88.2] Turner, E.L.: 1988, *23rd Moriond Astrophys. Meet., "Dark Mat.in Uni." (eds. Audouze, J., Trân Thanh Vân), ed. Frontières*, p.347, "Dark matter in gravitational lenses"

[TUR88.3] Turner, E.L.: 1988, *Proc. of a Workshop on Opt. Surveys for Quasars (eds. Osmer, P.S., Porter, A.C., Green, R.F., Foltz, C.B.), ASP, San Francisco*, p.173, "Undetected gravitational lensing events and quasar population statistics"

[TUR89.1] Turner, E.L.: 1989, *The 14th Texas Symposium on Relativistic Astrophys. (ed. Fenyves, E.J.), New York Academy of Science*, p.319, "Gravitational lenses"

[TUR90.1] Turner, E.L.: 1990, *Astrophys. J.* **365**, L43, "Gravitational lensing limits on the cosmological constant in a flat universe"

[TUR91.1] Turner, E.L.: 1991, *Astrophys. J.* **397**, 345, "Optical variability of quasars: statistics and cosmological properties"

[TUR02.1] Turner, E.L.: 2002, *Nature* **417**, 905-906, "Astronomy: Through a lens brightly"

[TUR88.4] Turner, E.L., Hillenbrand, L.A., Schneider, D.P., Hewitt, J.N., Burke, B.F.: 1988, *Astron. J.* **96**, 1682, "Spectroscopic evidence supporting the gravitational lens hypothesis for 1635+267 A, B"

[TUR84.2] Turner, E.L., Ostriker, J.P., Gott, J.R.: 1984, *Astrophys. J.* **284**, 1, "The statistics of gravitational lenses: the distributions of image angular separations and lens redshifts"

[TUR86.1] Turner, E.L., Schneider, D.P., Burke, B.F., Hewitt, J.N., Langston, G.I., Gunn, J.E., Lawrence, C.R., Schmidt, M.: 1986, *Nature* **321**, 142, "An apparent gravitational lens with an image separation of 2.6 arcmin."

[TUR97.1] Turner, M.S., Umemura, M.: 1997, *Astrophys. J.* **483**, 603, "Very strong microlensing of distant luminous stars by relic massive black holes"

[TUR91.3] Turner, E.L., Wardle, M., Schneider, D.P.: 1991, *Astron. J.* **100**, 146, "A technique for detecting massive collapsed objects in the dark halo of the Galaxy"

[TUR93.1] Turnshek, D.A., Bohlin, R.C.: 1993, *Astrophys. J.* **407**, 60, "Damped Lyman-α absorption in Q 0957+561A,B"

[TUR97.2] Turnshek, D.A., Lupie, O.L., Rao, S.M., Espey, B.R., Sirola, C.J.: 1997, *Astrophys. J.* **485**, 100, "Hubble Space Telescope observations of the gravitationally lensed Cloverleaf broad absorption line QSO H1413+1143: Imaging"

[TUR03.1] Turyshev, S.G., Andersson, B-G.: 2003, *Monthly Notices Roy. Astron. Soc.* **341**, 577-582, "The 550-au Mission: a critical discussion"

[TZA03.1] Tzanavaris, P., Carswell, R.F.: 2003, *Monthly Notices Roy. Astron. Soc.* **340 (3)**, 937-948, "Size estimates for intervening C iv absorbers from high-resolution spectroscopy of APM 0827+5255"

[TYS81.1] Tyson, J.A.: 1981, *Astrophys. J.* **248**, L89, "Gravitational lensing and the relation between QSO and galaxy magnitude-number counts"

[TYS83.1] Tyson, J.A.: 1983, *Astrophys. J.* **272**, L41, "Expected number of multiple QSOs from galaxy and QSO surface density data"

[TYS83.2] Tyson, J.A.: 1983, *IAU Symposium* **104**, 375, "Are QSOs gravitationally lensed"

[TYS85.1] Tyson, J.A.: 1985, *Nature* **316**, 799, "Image distortion near galaxies: dwarfs or lensing?"

[TYS88.1] Tyson, J.A.: 1988, *Astron. J.* **96**, 1, "Deep CCD survey: galaxy luminosity and color evolution"

[TYS88.2] Tyson, J.A.: 1988, *Nature* **334**, 294, "Dark matter distortions"

[TYS92.1] Tyson, J.A.: 1992, *Physics Today* **45**, 24, "Mapping dark matter with gravitational lenses"

[TYS95.1] Tyson, J.A., Fischer, P.: 1995, *Astrophys.J.* **446**, L55, "Measurement of the mass profile of Abell 1689"

[TYS85.2] Tyson, T., Gorenstein, M.: 1985, *Sky and Telescope* **70**, 319, "Resolving the nearest gravitational lens"

[TYS86.1] Tyson, J.A., Gullixson, C.A.: 1986, *Science* **233**, 1183, "Colors of objects in the field of the double quasi-stellar object 1146+111 B, C"

[TYS98.1] Tyson, J.A., Kochanski, G.P., Dell'Antonio, I.P.: 1998, *Astrophys. J.* **498**, L107, "Detailed mass map of CL0024+1654 from strong lensing"

[TYS86.2] Tyson, J.A., Seitzer, P., Weymann, R.J., Foltz, C.: 1986, *Astron. J.* **91**, 1274, "Deep CCD images of 2345+007: lensing by dark matter"

[TYS84.1] Tyson, J.A., Valdes, F., Jarvis, J.F., Mills, A.P.: 1984, *Astrophys. J.* **281**, L59, "Galaxy mass distribution from gravitational light deflection"

[TYS90.2] Tyson, J.A., Valdes, F., Wenk, R.A.: 1990, *Astrophys. J.* **349**, L1, "Detection of systematic gravitational lens galaxy image alignments: mapping dark matter in galaxy clusters"

[UDA97.1] Udalski, A., Kubiak, M., Szymański, M.: 1997, *Acta Astron.* **47**, 319, "Optical Gravitational Lensing Experiment. OGLE-2 - the Second Phase of the OGLE Project"

[UDA92.1] Udalski, A., Szymański, M., Kaluzny, J., Kubiak, M., Mateo, M.: 1992, *Acta Astron.* **42**, 253, "The optical gravitational lensing experiment"

[UDA94.6] Udalski, A., Szymański, M., Kaluzny, J., Kubiak, M., Mateo, M. et al.: 1994, *Acta Astronomica* **44**, 227, "The optical gravitational lensing experiment. The early warning system: real time microlensing"

[UDA94.1] Udalski, A., Szymański, M., Kaluzny, J.,,Kubiak, M., Krzemiński, W., Mateo, M., Preston, G.W., Paczyński, B.: 1994, *Acta Astron.* **43**, 289, "The optical gravitational lensing experiment. Discovery of the first candidate microlensing event in the direction of the galactic bulge"

[UDA94.2] Udalski, A., Szymański, M., Kaluzny, J.,,Kubiak, M., Mateo, M., Krzemiński, W.: 1994, *Astrophys. J.* **426**, L69, " The optical gravitational lensing experi-

ment: The discovery of three further microlensing events in the direction of the galactic bulge"
[UDA97.2] Udalski, A., Szymański, M., Kubiak, M., Pietrzyński, G., Woźniak, P., Zebruń, K.: 1997, *Acta Astron.* **47**, 431, "Optical Gravitational Lensing Experiment. Photometry of the MACHO-SMC-1 microlensing candidate"
[UDA98.1] Udalski, A., Szymański, M., Kubiak, M., Pietrzyński, G., Wozńiak, P., Zebruń, K.: 1998, *Acta Astron.* **48**, 431, "Optical Gravitational Lensing Experiment. Photometry of the MACHO-SMC-98-1 binary microlensing event"
[UDA94.3] Udalski, A., Szymański, M., Stanek, K.Z., Kaluzny, J., Kubiak, M. et al.: 1994, *Acta Astron.* **44**, 165, "The optical gravitational lensing experiment. The optical depth to gravitational microlensing in the direction of the galactic bulge"
[UDA94.4] Udalski, A., Szymański, M., Kaluzny, J., Kubiak, M., Mateo, M., Krzemiński, W.: 1994, *Acta Astron.* **44**, 1, "The optical gravitational lensing experiment. Journal of the 1993 season observations"
[UDA95.1] Udalski, A., Szymański, M., Kaluzny, J., Kubiak, M., Mateo, M., Krzemiński, W.: 1995, *Acta Astron.* **45**, 237, "The optical gravitational lensing experiment. Journal of the 1994 season observations"
[UDA94.5] Udalski, A., Szymański, M., Mao, S., Di Stefano, R., Kaluzny, J. et al.: 1994, *Astrophys. J.* **436**, L103, "The optical gravitational lensing experiment. Ogle No 7: binary microlens or a new unusual variable"
[UDA00.1] Udalski, A., Zebruń, K., Szymański, M., Kubiak, M., Pietrzyński, G., Soszyński, I., Wozniak, P.: 2000, *Acta Astronomica* **50**, 1, "The optical gravitational lensing experiment. Catalog of microlensing events in the Galactic Bulge"
[ULM95.1] Ulmer, A., Goodman, J.: 1995, *Astrophys. J.* **442**, 67, "Femtolensing: beyond the semiclassical approximation"
[UME00.1] Umetsu, K., Futamase, T: 2000, *Astrophys. J.* **539**, L5, "Detection of dark matter concentrations in the field of Cl 1604+4304 from weak lensing analysis"
[UME99.1] Umetsu, K., Tada, M., Futamase, T.: 1999, *Prog. Theor. Phys. Suppl.* **133**, 53, "Cluster mass reconstruction by a weak shear field"
[UZA01.1] Uzan, J.-P., Bernardeau, F.: 2001, *Phys. Rev. D* **63**, 023004, "Cosmic strings lens phenomenology: general properties of distortion fields"
[VAL00.2] Valageas, P.: 2000, *Astron. Astrophys.* **356**, P 771, "Statistical properties of the convergence due to weak gravitational lensing by non-linear structures"
[VAL83.1] Valdes, F., Tyson, J.A., Jarvis, J.F.: 1983, *Astrophys. J.* **271**, 431, "Alignment of faint galaxy images: Cosmological distortion and rotation"
[VAL03.1] Vale, C., White, M.: 2003, *Astrophys. J.* **592**, 699-709, "Simulating Weak Lensing by Large-Scale Structure"
[VAL98.1] Valls-Gabaud, D.: 1998, *Monthly Notices Roy. Astron. Soc.* **294**, 747, "Chromatic and spectroscopic signatures of microlensing events as a tool for the gravitational imaging of stars"
[VAN99.2] Van Den Bergh, S.: 1999, *Publ. Astron. Soc. Pacific* **111**, 657, "The early history of dark matter"
[VAN96.1] Vanden Berk, D.E., Quashnock, J.M., York, D.G., Yanny, B.: 1996, *Astrophys. J.* **469**, 78, "An excess of C IV absorbers in luminous QSOs: evidence for

gravitational lensing?"
[VAN03.1] van de Ven, G., van Dokkum, P.G., Franx, M.: 2003, *Monthly Notices Roy. Astron. Soc.* **344**, 924-934, "The Fundamental Plane and the evolution of the M/L ratio of early-type field galaxies up to z 1"
[VAN98.3] van Kampen, E.: 1998, *New Astronomy Reviews* **42**, 149-152, "Cluster mass estimation from number counts of background galaxies"
[VAN82.1] Vanderriest, C.: 1982, *Astron. Astrophys.* **106**, L1, "Possible measurements of the time delay between gravitational images of expanding double radiosources"
[VAN85.1] Vanderriest, C.: 1985, *Lecture Notes in Physics* **212**, 265, "Close up on gravitational lensing: the gravitational mirages"
[VAN82.2] Vanderriest, C., Bijaoui, A., Felenbok, P., Lelièvre, G., Schneider, J., Wlérick, G.: 1982, *Astron. Astrophys.* **110**, L11, "Photométrie de 0957+561: détection de variations à courte période"
[VAN89.1] Vanderriest, C., Schneider, J., Herpe, G., Chèvreton, M., Moles, M., Wlérick, G.: 1989, *Astron. Astrophys.* **215**, 1, "The value of the time delay ΔT (A, B) for the "double" quasar 0957+561 from optical photometric monitoring"
[VAN86.1] Vanderriest, C., Wlérick, G., Lelièvre, G., Schneider, J., Sol, H., Horville, D., Renard, L., Servan, B.: 1986, *Astron. Astrophys.* **158**, L5, "La variabilité du mirage gravitationnel PG 1115+080"
[VAN98.4] van Kampen, E.: 1998, *Large Scale Structure: Tracks and Traces, Proc. of the 12th Potsdam Cosmology Workshop, Sept.97, eds. V. Mueller, S. Gottloeber, J.P.Muecket, J. Wambsganss, World Scientific 1998*, p.333, "Cluster mass estimation from lens magnification"
[VAN98.5] van Kampen, E.: 1998, *Monthly Notices Roy. Astron. Soc.* **301**, 389, "Cluster mass estimation from lens magnification"
[VAN95.1] van Ommen, T.D., Jones, D.L., Preston, R.A., Janucey, D.L.: 1995, *Astrophys. J.* **444**, 561, "Time delay in the Einstein ring PKS 1830-211"
[VAN98.1] Van Waerbeke, L.: 1998, *Astron, Astrophys.* **334**, 1, "Scale dependence of the bias investigated by weak lensing"
[VAN00.1] Van Waerbeke, L.: 2000, *Monthly Notices Roy. Astron. Soc.* **313**, 524, "Gravitational lensing of distant supernovae in cold dark matter universes"
[VAN99.1] Van Waerbeke, L., Bernardeau, F., Mellier, Y.: 1999, *Astron. Astrophys.* **342**, 15, "Efficiency of weak lensing surveys to probe cosmological models"
[VAN00.3] Van Waerbeke, L., Bernardeau, F., Benabed, K.: 2000, *Astrophys. J.* **540**, 14, "Lensing effect on the relative orientation between the cosmic microwave background ellipticities and the distant galaxies"
[VAN01.2] Van Waerbeke, L., Hamana, T., Scoccimarro, R., Colombi, S., Bernardeau, F.: 2001, *Monthly Notices Roy. Astron. Soc.* **322**, 918-926, "Weak lensing predictions at intermediate scales"
[VAN02.1] Van Waerbeke, L., Mellier, Y., Pelló, R., Pen, U.-L., McCrackenH.J., Jain, B.: 2002, *Astron. Astrophys.* **393**, 369-379, "Likelihood analysis of cosmic shear on simulated and VIRMOS-DESCART data"
[VAN97.1] Van Waerbeke, L., Mellier, Y., Schneider , P.,Fort, B., Mathez, G.: 1997, *Astron, Astrophys.* **317**, 303, "The auto-correlation function of the extragalactic

background light: I. Measuring gravitational shear"

[VAN00.2] Van Waerbeke, L., Mellier, Y., Erben, T., Cuillandre, J.C., Bernardeau, F. et al.: 2000, *Astron. Astrophys.* **358**, 30, "Detection of correlated galaxy ellipticities on CFHT data: first evidence for gravitational lensing by large-scale structures"

[VAN01.1] Van Waerbeke, L., Mellier, Y., Radovich, M., 4, Bertin, E., Dantel-Fort, M. et al.: 2001, *Astron. Astrophys.* **374**, 757-769, "Cosmic shear statistics and cosmology"

[VEN03.1] Venturini, S., Solomon, P.M.: 2003, *Astrophys. J.* **590**, 740-745, "The Molecular Disk in the Cloverleaf Quasar"

[VER00.1] Vermaak, P.: 2000, *Monthly Notices Roy. Astron. Soc.* **319**, 1011, "The effects of resolved sources and blending on the detection of planets via gravitational microlensing"

[VER03.1] Vermaak, P.: 2003, *Monthly Notices Roy. Astron. Soc.* **344**, 651-656, "Rapid analysis of binary lens gravitational microlensing light curves

[VER90.1] Véron, P., Véron-Cetty, M.-P., Djorgovski, S., Magain, P., Meylan, G., Surdej, J.: 1990, *Astron. Astrophys. Suppl.* **86**, 543, "Miscellaneous spectroscopic observations of quasars and quasar candidates"

[VID92.1] Vidal-Madjar, A., Aubourg, E., Kunth, D., Ferlet, R., Mochkovitch, R. et al.: 1992, *2nd DAEC meeting, The distribution of matter in the Universe*, p.388, "Is our massive dark halo made of compact objects?"

[VIE85.1] Vietri, M.: 1985, *Astrophys. J.* **293**, 343, "The statistics of gravitational lenses. II - Apparent evolution in the quasars' luminosity function"

[VIE83.1] Vietri, M., Ostriker, J.P.: 1983, *Astrophys. J.* **267**, 488, "The statistics of gravitational lenses: apparent changes in the luminosity function of distant sources due to passage of light through a single galaxy"

[VIL81.1] Vilenkin, A.: 1981, *Phys. Rev. D* **23**, 852, "Gravitational field of vacuum domain walls and strings"

[VIL81.2] Vilenkin, A.: 1981, *Phys. Rev. Let.* **46**, 1169, "Cosmological density fluctuations produced by vacuum strings"

[VIL84.1] Vilenkin, A.: 1984, *Astrophys. J.* **282**, L51, "Cosmic strings as gravitational lenses"

[VIL85.1] Vilenkin, A.: 1985, *Phys. Rep.* **121**, 263, "Cosmic strings and domain walls"

[VIL86.1] Vilenkin, A.: 1986, *Nature* **322**, 613, "Looking for cosmic strings"

[VIL90.1] Vilenkin, A.: 1990, *Nature* **343**, 591, "Kinky cosmic strings"

[VIL99.1] Villani, D., di Serego Alighieri, S.: 1999, *Astron. Astrophys. Sup.* **135**, 299, "Infrared imaging of WENSS radio sources"

[VIL96.1] Villumsen, J.V.: 1996, *Monthly Notices Roy. Astron. Soc.* **281**, 369, "Weak lensing by large scale structure in open, flat, and closed universes"

[VIL97.1] Villumsen, J.V., Freudling, W., da Costa, L.N.: 1997, *Astrophys. J.* **481**, 578, "Clustering of Galaxies in the Hubble Deep Field"

[VIR00.1] Virbhadra, K.S., Ellis, F.R.: 2000, *Phys. Rev. D* **62**, 084003, "Swarzschild black hole lensing"

[VIR98.1] Virbhadra, K.S., Narasimha, D., Chitre, S.M.: 1998, *Astron. Astrophys.* **337**, 1, "Role of the scalar field in gravitational lensing"

[VIS89.1] Vishniac, E.: 1989, *Nature* **339**, 579, "Making light of gravity"

[VOL91.1] Vollick, D.N., Unruh, W.G.: 1991, *Phys. Rev. D.* **44**, 2388, "Gravitational lensing properties of curved cosmic strings"

[VON03.1] von Hippel, T., Sarajedini, A., Ruiz, M.T.: 2003, *Astrophys. J.* **595**, 794-802, "Using Optical and Near-Infrared Photometry to Test MACHO Lens Candidates"

[VON93.1] von Linde, J., Borgeest, U., Schramm, K.-J., Graser, U., Heidt, J., Hopp, U., Wagner, S.: 1993, *Astron. Astrophys.* **267**, L23, "A rapid optical flare in the distant gamma-ray source 0836+710"

[VON97.1] von Montigny, C., Aller, H., Aller, M., Bruhweiler, F., Collmar, W. et al.: 1997, *Astrophys. J.* **483**, 161, "Multiwavelength observations of 3C 273 in 1993-1995"

[WAC88.1] Wace, M.: 1988, *British Astron. Assoc. J.* **98**, 270, "Gravitational lensing and the cloverleaf quasar H 1413+117"

[WAG00.1] Waga, I., Frieman, J.A.: 2000, *Phys. Rev. D* **62**, 043521, "New constraints from high redshift supernovae and lensing statistics upon scalar field cosmologies"

[WAG99.1] Waga, I., Miceli, M.R.: 1999, *Phys. Rev. D* **59**, 103507, "Cosmological constraints from lensing statistics and supernovae on the cosmic equation of state"

[WAL86.1] Waldrop, M.: 1986, *Science* **232**, 1601, "Snarls from the cosmic string in Leo"

[WAL86.2] Waldrop, M.M.: 1986, *Science* **232**, 936, "A cosmic string in Leo?"

[WAL87.1] Waldrop, M.M.: 1987, *Science* **238**, 1351, "The giant arcs are gravitational mirages"

[WAL88.1] Waldrop, M.M.: 1988, *Science* **240**, 1733, "Einstein's impossible ring: found"

[WAL96.1] Wallington, S., Kochanek, C.S., Narayan, R.: 1996, *Astrophys. J.* **465**, 64, "LensMEM: A gravitational lens inversion algorithm using the maximum entropy method"

[WAL94.2] Walker, A.M.: 1994, *Astrophys. J.* **430**, 463, "Lensing in alternative gravity"

[WAL97.1] Walker, M.A.: 1997, *Monthly Notices Roy. Astron. Soc.* **287**, 629, "Kinematics of microlensed stars"

[WAL95.2] Walker, A.M.: 1995, *Astrophys. J.* **453**, 37, "Microlensed image motions"

[WAL95.4] Walker, A.M., Ireland, P.M.: 1995, *Monthly Notices Roy. Astron. Soc.* **275**, L41, "Rich cluster microlensing"

[WAL03.1] Walker, M.A., Lewis, G.F.: 2003, *Astrophys. J.* **589**, 844-860, "Nanolensing of Gamma-Ray Bursts"

[WAL95.1] Wallington, S., Kochanek, C.S., Koo, D.C.: 1995, *Astrophys. J.* **441**, 58, "Gravitational lens inversion of C10024+1654"

[WAL93.1] Wallington, S., Narayan, R.: 1993, *Astrophys. J.* **403**, 517, "The influence of core radius on gravitational lensing by elliptical lenses"

[WAL94.1] Wallington, S., Narayan, R., Kochanek, C.S.: 1994, *Astrophys. J.* **426**, 60, "Gravitational lens inversion using the maximum entropy method"

[WAL93.2] Walsh, D.: 1993, *Proc. Sub-Arcsecond Radio Astronomy, 1992, Manchester*, p.111, "Observations of gravitational lenses"

[WAL79.1] Walsh, D., Carswell, R.F., Weymann, R.J.: 1979, *Nature* **279**, 381, "0957+561 A, B: twin quasistellar objects or gravitational lens?"

[WAM90.1] Wambsganss, J.: 1990, *Ph.D. thesis, Report MPA, Garching* **550**, "Gravitational microlensing"

[WAM92.1] Wambsganss, J.: 1992, *Astrophys. J.* **386**, 19, "Probability distributions for the magnification of quasars due to microlensing"

[WAM92.2] Wambsganss, J.: 1992, *Astrophys. J.* **392**, 424, "Gravitational microlensing: the effect of a single lens and the impact of sparse sampling"

[WAM93.1] Wambsganss, J.: 1993, *Astrophys. J.* **406**, 29, "A method to distinguish two gamma ray bursts with similar time profiles"

[WAM94.2] Wambsganss, J.: 1994, *Nature, News and views* **370**, 248, "Dark matter: MACHOs not so tough"

[WAM95.1] Wambsganss, J.: 1995, *"Cluster of galaxies", 14th Moriond Astrophys. Meeting, 1994*, p.363, "Simulations of gravitational lensing by clusters of galaxies"

[WAM97.1] Wambsganss, J.: 1997, *Monthly Notices Roy. Astron. Soc.* **284**, 172, "Discovering Galactic planets by gravitational microlensing: magnification patterns and light curves"

[WAM98.2] Wambsganss, J.: 1998, *Living Reviews in Relativity* **1**, No.12, "Gravitational lensing in astronomy"

[WAM99.2] Wambsganss, J.: 1999, *Journal of Computational and Applied Mathematics* **109**, 353, "Gravitational lensing: numerical simulations with a hierarchical tree code"

[WAM99.1] Wambsganss, J, Brunner, H., Schindler, S., Falco, E.: 1999, *Astron. Astrophys.* **346**, L5, "The gravitationally lensed quasar Q2237+0305 in X-rays: ROSAT/HRI detection of the "Einstein Cross""

[WAM95.3] Wambsganss, J., Cen, R., Ostriker, J.P., Turner, E.L.: 1995, *Science* **268**, 274, "Testing cosmogonic models with gravitational lensing"

[WAM97.2] Wambsganss, J., Cen, R., Xu, G., Ostriker, J.P.: 1997, *Astrophys. J.* **475**, L81, "Effects of weak gravitational lensing from large-scale structure on the determination of q_0"

[WAM89.2] Wambsganss, J., Giraud, E., Schneider, P., Weiss, A.: 1989, *Astrophys. J.* **337**, L73, "A gravitational lens explanation for the arclike structure in Cl 0500-24"

[WAM95.2] Wambsganss, J., Kundić, T.: 1995, *Astrophys. J.* **450**, 19, "Gravitational microlensing by random motion of stars: analysis of light curves"

[WAM98.1] Wambsganss, J., Cen, R., Ostriker, J.P.: 1998, *Astrophys. J.* **494**, 29, "Testing cosmological models by gravitational lensing: I. Method and first applications"

[WAM91.1] Wambsganss, J., Paczyński, B.: 1991, *Astron. J.* **102**, 864, "Expected color variations of the gravitationally microlensed QSO 2237+0305"

[WAM92.3] Wambsganss, J., Paczyński, B.: 1992, *Astrophys. J.* **397**, L1, "A direct gravitational lensing test for 10^6 $M_\odot$ black holes in halos of galaxies"
[WAM94.1] Wambsganss, J., Paczyński, B.: 1994, *Astron. J.* **108**, 1156, "Parameter degeneracy in models of the quadruple lens Q2237+0305"
[WAM90.2] Wambsganss, J., Paczyński, B., Katz, N.: 1990, *Astrophys. J.* **352**, 407, "A microlensing model for QSO 2237 + 0305"
[WAM90.3] Wambsganss, J., Paczyński, B., Schneider, P.: 1990, *Astrophys. J.* **358**, L33, "Interpretation of the microlensing event in QSO 2237+0305"
[WAM00.1] Wambsganss, J., Schmidt, R.W., Colley, W.N., Kundic, T., Turner, E.L.: 2000, *Astron. Astrophys.* **362**, L37, "Microlensing results from APO monitoring of the double quasar Q0957+561A,B between 1995 and 1998"
[WAM92.4] Wambsganss, J., Witt, H.J., Schneider, P.: 1992, *Astron. Astrophys.* **258**, 591, "Gravitational microlensing: powerful combination of ray-shooting and parametric representation of caustics"
[WAM97.3] Wampler, E.J.: 1997, *Astrophys. J.* **476**, L55, "Do quasars lens quasars"
[WAM84.1] Wampler, E.J., Gaskell, C.M., Burke, W.L., Baldwin, J.A.: 1984, *Astrophys. J.* **276**, 403, "Spectrophotometry of two complete samples of flat radio spectrum quasars"
[WAN00.1] Wang, Y.: 2000, *Astrophys. J.* **531**, 676, "Supernova pencil beam survey"
[WAN99.1] Wang, Y.: 1999, *Astrophys. J.* **525**, 651, "Analytical modeling of the weak lensing of standard candles. I. Empirical fitting of numerical simulation results"
[WAN02.1] Wang, Y., Holz, D.E., Munshi, D.: 2002, *Astrophys. J.* **572**, L15-L18, "A Universal Probability Distribution Function for Weak-lensing Amplification"
[WAN96.1] Wang, Y., Stebbins, A., Turner, E.L.: 1996, *Phys. Rev. Lett.* **77**, 2875, "Gravitational lensing of gravitational waves from merging neutron star binaries"
[WAN96.2] Wang, Y., Turner, E.L.: 1996, *Astrophys. J.* **464**, 114, "Statistics of extreme gravitational lensing events. I. The zero shear case"
[WAN97.1] Wang, Y., Turner, E.L.: 1997, *Astrophys. J.* **482**, 63, "Statistics of extreme gravitational lensing events. II. The finite shear case"
[WAN97.3] Wang, Y., Turner, E.L.: 1997, *Monthly Notices Roy. Astron. Soc.* **292**, 863, "Caustics, critical curves and cross-sections for gravitational lensing by disk galaxies"
[WAR92.1] Wardle, M., Yusef-Zadeh, F.: 1992, *Astrophys. J.* **387**, L65, "Gravitational lensing by a massive black hole at the galactic center"
[WAR03.1] Warren, S., Dye, S.: 2003, *Astrophys. J.* **590**, 673-682, "Semilinear gravitational lens inversion"
[WAR96.1] Warren, S.J., Hewett, P.C., Lewis, G.F., Möller, P., Iovino, A., Shaver, P.A.: 1996, *Monthly Notices Roy. Astron. Soc.* **278**, 139, "A candidate optical Einstein ring"
[WAR98.1] Warren, S.J., Iovino, A., Hewett, P.C., Shaver, P.A.: 1998, *Monthly Notices Roy. Astron. Soc.* **299**, 1215, "Spectroscopy of the optical Einstein ring 0047-2808"
[WAR99.1] Warren, S.J., Lewis, G.F., Hewett, P.C., Möller, P., Shaver, P. Iovino, A.: 1999, *Astron. Astrophys.* **343**, L35, "A VLT colour image of the optical

Einstein ring 0047-2808”

[WAT90.1] Watanabe, K., Sasaki, M.: 1990, *Publ. Astron. Soc. Japan* **42**, L33, “The role of shear in the cosmological distance”

[WAT92.1] Watanabe, K., Sasaki, M., Tomita, K.: 1992, *Astrophys. J.* **394**, 38, “On distances and the Hubble parameter determination in gravitational lenses”

[WAT90.2] Watanabe, K., Tomita, K.: 1990, *Astrophys. J.* **355**, 1, “Cosmological observations in an inhomogeneous universe: distance-redshift relation”

[WAT91.1] Watanabe, K., Tomita, K.: 1991, *Astrophys. J.* **370**, 481, “Correlation function of gravitational deflection angles of light paths”

[WAX95.1] Waxman, E., Miralda-Escudé, J.: 1995, *Astrophys. J.* **451**, 451, “The distribution of mass and gas in the center of clusters of galaxies implied by X-ray and lensing observations”

[WAY74.1] Wayte, R.C.: 1974, *Monthly Notices Roy. Astron. Soc.* **169**, 1, “Integral image produced by gravitational-lens effect”

[WEB86.1] Webster, E., Fitchett, M.: 1986, *Nature* **324**, 617, “Views with a gravitational lens”

[WEB85.1] Webster, R.L.: 1985, *Monthly Notices Roy. Astron. Soc.* **213**, 871, “Gravitational lensing and galaxy shape”

[WEB89.1] Webster, R.L., Corrigan, R., Irwin, M., Hewett, P., Jedrzejewski, R.: 1989, *Gemini* **25**, 1, “Microlensing: the first detection”[WEB91.1] Webster, R.L., Ferguson, A.M.N., Corrigan, R.T., Irwin, M.J.: 1991, *Astron. J.* **102**, 1939, “Interpreting the lightcurve of Q 2237+0305”

[WEB88.1] Webster, R.L., Hewett, P.C., Irwin, M.J.: 1988, *Astron. J.* **95**, 19, “An automated survey for gravitational lenses”

[WEB88.2] Webster, R.L., Hewett, P.C., Harding, M.E., Wegner, G.A.: 1988, *Nature* **336**, 358, “Detection of statistical gravitational lensing by foreground mass distributions”

[WEB00.1] Webb, J.R., Howard, E., Benitez, E., Balonek, T., McGrath, E. et al.: 2000, *Astron. J.* **120**, 41, “The 1997 outburst of AO 0235+164: evidence for a microlensing event?”

[WEE90.1] Weedman, D.W.: 1990, *Nature* **344**, 18, “Distorted view of the Universe”

[WEE82.1] Weedman, D.W., Weymann, R.J., Green, R.F., Heckman, T.M.: 1982, *Astrophys. J.* **255**, L5, “Discovery of a third gravitational lens”

[WEI76.1] Weinberg, S.: 1976, *Astrophys. J.* **208**, L1, “Apparent luminosities in a locally inhomogeneous universe”

[WEI03.2] Weinberg, N.N., Kamionkowski, M.: 2003, *Monthly Notices Roy. Astron. Soc.* **341 (1)**, 251-262, “Constraining dark energy from the abundance of weak gravitational lenses”

[WEI90.1] Weir, N., Djorgovski, S.: 1990, *Proc. STScI Workshop on Image Restoration., (eds. White, R.L., Allen, R.J.)*, p.31, “Maximum entropy: New techniques, applications, and photometric integrity”

[WEI91.1] Weir, N., Djorgovski, S.: 1991, *Astron. J.* **101**, 66, “High-resolution imaging of the double QSO 2345+007”

[WEI91.2] Weir, N., Djorgovski, S.: 1991, *Proc. 10th Maximum Entropy Workshop, (eds. Grandy, W., Schick, L.)*, p.275, “A subpixel deconvolution method for

astronomical images"
[WEI03.1] Weinberg, N.N., Kamionkowski, M.: 2003, *Monthly Notices Roy. Astron. Soc.* **337 (4)**, 1269-1281, "Weak Gravitational Lensing by Dark Clusters"
[WEL84.1] Welter, G.L., Perry, J.J., Kronberg, P.P.: 1984, *Astrophys. J.* **279**, 19, "The rotation measure distribution of QSOs and of intervening clouds: magnetic fields and column densities"
[WEN99.1] Wenkatesan, A. Olinto, A.V., Truran, J.W.: 1999, *Astrophys. J.* **516**, 863, "Neutron stars and black holes as MACHOs"
[WES94.1] Wesson, P.S.: 1994, *Astrophys. J.* **420**, L49, "A new dark matter candidate: Kaluza-Klein solitons."
[WEX96.1] Wex, N., Gil, J., Sendyk, M.: 1996, *Astron. Astrophys.* **311**, 746, "Microlensing of pulsar radiation in the Galactic Center"
[WEY79.1] Weymann, R.J., Chaffee, F.H.Jr., Davis, M., Carleton, N.P., Walsh, D., Carswell, R.F.: 1979, *Astrophys. J.* **233**, L43, "Multiple-mirror telescope observations of the twin QSOs 0957+561 A, B"
[WEY80.1] Weymann, R.J., Latham, D., Angel, J.R.P., Green, R.F., Liebert, J.W., Turnshek, D.A., Turnshek, D.E., Tyson, J.A.: 1980, *Nature* **285**, 641, "The triple QSO PG 1115+080: another probable gravitational lens"
[WHI00.1] White, M., Hu, W.: 2000, *Astrophys. J.* **537**, 1, "A new algorithm for computing statistics of weak lensing by large-scale structure"
[WHI01.1] White, M., Kochanek, C.S.: 2001, *Astrophys. J.* **560**, 539, "Constraints on the long-range properties of gravity from weak gravitational lensing"
[WHI02.1] White, M., van Waerbeke, L., Mackey, J.: 2002, *Astrophys. J.* **575**, 640-649, "Completeness in Weak-Lensing Searches for Clusters"
[WHI55.1] Whitney, H.: 1955, *Ann. Math.* **62**, 374, "Mapping of the plane into the plane"
[WID98.1] Widrow, L.M., Dubinski, J.: 1998, *Astrophys. J.* **504**, 12, "Searching for Machos (and other Dark Matter Candidates) in a simulated galaxy"
[WID03.1] Widrow, L.M., Perrett, K.M., Suyu, S.H.: 2003, *Astrophys. J.* **588**, 311-325, "Disk-Bulge-Halo Models for the Andromeda Galaxy"
[WIK95.1] Wiklind, T., Combes, F.: 1995, *Astron. Astrophys.* **299**, 382, "CO, HCO+ and HCN absorption in the gravitational lens candidate B0218+357 at z=0.685"
[WIK96.1] Wiklind, T., Combes, F.: 1996, *Nature* **379**, 139, "The redshift of the gravitational lens of PKS 1830-211 determined from molecular lines"
[WIK98.1] Wiklind, T., Combes, F.: 1998, *Astrophys. J.* **500**, 129, "The complex molecular absorption line system at z=0.886 toward PKS1830-211"
[WIL00.2] Williams, L.L.R.: 2000, *Astrophys. J.* **535**, 37, "Large-scale QSO-galaxy correlations and weak lensing"
[WIL98.3] Williams, L.L.R.: 1998, *New Astronomy Reviews* **42(2)**, 81-84, "Image separation vs. redshift of lensed QSOs: Implications for galaxies and Λ"
[WIL03.1] Williams, L.L.R., Frey, N.: 2003, *Astrophys. J.* **583**, 594-605, "Angular Distribution of Gamma-Ray Bursts and Weak Lensing"
[WIL99.2] Williams, L.L.R., Navarro, J.F., Bartelmann, M.: 1999, *Astrophys. J.* **527**, 535, "The core structure of galaxy clusters from gravitational lensing"

[WIL00.1] Williams, L.L., Saha, P.: 2000, *Astron. J.* **119**, 439, "Pixelated lenses and H_0 from time-delay quasars"
[WIL97.1] Williams, L.L.R., Wijers, R.A.M.J.: 1997, *Monthly Notices Roy. Astron. Soc.* **286**, L11, "Distortion of gamma-ray burst light curves by gravitational microlensing"
[WIL80.1] Wills, B.J., Wills, D.: 1980, *Astrophys. J.* **238**, 1, "Spectrophotometry of the double QSO 0957+561"
[WIL88.1] Will, C.M.: 1988, *Am. J. Phys.* **56**, 413, "Henry Cavendish, Johann von Soldner, and the deflection of light"
[WIL94.1] Wilkinson, P.N., Henstock, D.R., Browne, I.W.A., Patnaik, A.R. et al.: 1994, *Compact extragalactic radio-sources*, p.259, "Gravitational milli-lens candidates in the CJ2 survey"
[WIL96.1] Williams, L.L.R.: 1996, *Astrophys. J.* **472**, 497, "The effect of weak gravitational lensing on the angular distribution of gamma-ray bursts"
[WIL97.3] Williams, L.L.R.: 1997, *Monthly Notices Roy. Astron. Soc.* **292**, L27, "Image separation versus redshift of lensed QSOs: implications for galaxy mass profiles"
[WIL98.2] Williams, L.L.R., Irwin, M.: 1998, *Monthly Notices Roy. Astron. Soc.* **298**, 378, "Angular correlations between LBQS and APM: weak lensing by the large scale structure"
[WIL98.1] Williams, L.L.R., Lewis, G.F.: 1998, *Monthly Notices Roy. Astron. Soc.* **294**, 299, "Undistorted lensed images in galaxy clusters"
[WIL96.4] Williams, L.L.R., Lewis, G.F.: 1996, *Monthly Notices Roy. Astron. Soc.* **281**, L35, "The giant protogalaxy cB58; an artifact of gravitational lensing?"
[WIL99.1] Wilner, D.J., Bourke, T.L., Ho, P.T.P., Killeen, N.E.B., Calabretta, M.: 1999, *Astron. J.* **117**, 1139, "A search for water masers in the gravitationally lensed quasars H 1413+117 and MG 0414+0534"
[WIL95.3] Wilner, D.J., Zhao, J.-H., Ho, P.T.P.: 1995, *Astrophys. J.* **453**, L91, "The molecular medium of H1413+117: BIMA array CO(3-2) and HCO+(4-3) observations"
[WIL96.3] Wilson, G., Cole, S., Frenk, C.S.: 1996, *Monthly Notices Roy. Astron. Soc.* **280**, 199, "Cluster mass reconstruction from weak gravitational lensing"
[WIL96.2] Wilson, G., Cole, S., Frenk, C.S.: 1996, *Monthly Notices Roy. Astron. Soc.* **282**, 501, "Constraining Omega using weak gravitational lensing by clusters"
[WIL01.2] Wilson, , G., Kaiser, N., Luppino, G.A., Cowie, L.L.: 2001, *Astrophys. J.* **555**, 572, "Galaxy halo masses from galaxy-galaxy lensing"
[WIN01.2] Winn, J.N., Hewitt, J.N., Patnaik, A.R., Schechter, P.L., Schommer, R.A. et al.: 2001, *Astron. J.* **121**, 1223, "A nearly symmetric double-image gravitational lens"
[WIN01.1] Winn, J.N., Hewitt, J.N., Schechter, P.L., Dressler, A., Falco, E.E. et al.: 2001, *Astron. J.* **120**, 2868, "PMN J1838-3427: A new gravitationally lensed quasar"
[WIN03.1] Winn, J.N., Kochanek, C.S., Keeton, C.R., Lovell, J.E.J.: 2003, *Astrophys. J.* **590**, 26-38, "The Quintuple Quasar: Radio and Optical Observations"
[WIN02.3] Winn, J.N., Kochanek, C.S., McLeod, B.A., Falco, E.E., Impey, C.D., Rix,

H.-W.: 2002, *Astrophys. J.* **575**, 103-110, "PKS 1830-211: A Face-On Spiral Galaxy Lens"

[WIN02.1] Winn, J.N., Lovell, J.E.J., Chen, H.-W., Fletcher, A.B., Hewitt, J.N., Patnaik, A.R., Schechter, P.L.: 2002, *Astrophys. J.* **564**, 143-152, "PMN J0134-0931: A gravitationally lensed quasar with an unusual radio morphology"

[WIN02.2] Winn, J.N., Morgan, N.D., Hewitt, J.N., Kochanek, C.S., Lovell, J.E.J. et al.: 2002, *Astron. J.* **123**, 10-19, "PMN J1632-0033: A new gravitationally lensed quasar"

[WIN73.1] Winterberg, F., Phillips, W.G.: 1973, *Phys. Rev. D* **8**, 3329, "Gravitational self-lens effect"

[WIS00.1] Wisotzki, L.: 2000, *Astron. Astrophys.* **353**, 853, "The bright end of the QSO luminosity function"

[WIS03.1] Wisotzki, L., Becker, T., Christensen, L., Helms, Jahnke, K., Kelz, A., Roth, M.M., Sanchez, S.F.: 2003, *Astron. Astrophys.* **408**, 455-463, "Integral-field spectrophotometry of the quadruple QSO HE 0435-1223: Evidence for microlensing"

[WIS99.1] Wisotzki, L., Chriestlieb, N., Liu, M.C., Maza, J., Morgan, N.D., Schechter, P.L.: 1999, *Astron. Astrophys.* **348**, L41, "The new complex gravitational lens system HE 0230-2130"

[WIS93.1] Wisotzki, L., Köhler, T., Kayser, R., Reimers, D.: 1993, *Astron. Astrophys.* **278**, L15, "The new double QSO HE 1104-1805: Gravitational lens with microlensing or binary quasar?"

[WIS95.1] Wisotzki, L., Köhler, T., Ikonomou, M., Reimers, D.: 1995, *Astron. Astrophys.* **297**, L59, "Spectral variability in the double QSO HE 1104-1805: further evidence for gravitational lensing"

[WIS96.1] Wisotzki, L., Köhler, T., Lopez, S., Reimers, D.: 1996, *Astron. Astrophys.* **315**, L408, "Discovery of a new gravitationally lensed QSO with broad absorption lines"

[WIN03.2] Winn, J.N., Rusin, D., Kochanek, C.S.: 2003, *Astrophys. J.* **587**, 80-89, "Investigation of the Possible Third Image and Mass Models of the Gravitational Lens PMN J1632-0033"

[WIS02.1] Wisotzki, L., Schechter, P.L., Bradt, H.V., Heinmueller, J., Reimers, D.: 2002, *Astron. Astrophys.* **395**, 17-23, "HE 0435-1223: a wide separation quadruple QSO and gravitational lens"

[WIS98.1] Wisotzki, L., Wucknitz, O., Lopez, S., Soerensen, A.N.: 1998, *Astron. Astrophys.* **339**, L73, "First estimate of the time delay in HE 1104-1805"

[WIT90.1] Witt, H.J.: 1990, *Astron. Astrophys.* **236**, 311, "Investigation of high amplification events in light curves of gravitationally lensed quasars"

[WIT93.1] Witt, H.J.: 1993, *Astrophys. J.* **403**, 530, "An efficient method to compute microlensed light curves for point sources"

[WIT95.3] Witt, H.J.: 1995, *Astrophys. J.* **449**, 42, "The effect of the stellar size on microlensing at the Baade window"

[WIT00.5] Witt, H.J., Mao, S., Keeton, C.R.: 2000, *Astrophys. J.* **544**, 98, "Analytic time delays and H_0 estimates for gravitational lenses"

[WIT96.1] Witt, H.J.: 1996, *Astrophys. J.* **472**, L1, "Using quadruple lenses to probe the structure of the lensing galaxy"

[WIT91.1] Witt, H.J., Kayser, R., Refsdal, S.: 1991, *"Physical Cosmology", (eds. Blanchard et al.), ed. Frontières*, p.472, "Microlensing in the Einstein Cross 2237+0305"

[WIT93.2] Witt, H.J., Kayser, R., Refsdal, S.: 1993, *Astron. Astrophys.* **268**, 501, "Microlensing predictions for the Einstein Cross 2237+0305"

[WIT94.1] Witt, H.J., Mao, S.: 1994, *Astrophys. J.* **430**, 505, "Can lensed stars be regarded as pointlike for microlensing by MACHOs"

[WIT94.2] Witt, H.J., Mao, S.: 1994, *Astrophys. J.* **429**, 66, "Interpretation of microlensing events in Q2237+0305"

[WIT95.2] Witt, H.J., Mao, S.: 1995, *Astrophys. J.* **447**, L105, "On the minimum magnification between caustic crossings for microlensing by binary and multiple stars"

[WIT97.1] Witt, H.J., Mao,S.: 1997, *Monthly Notices Roy. Astron. Soc.* **291**, 211, "Probing the structure of lensing galaxies with quadruple lenses: the effect of the 'external' shear"

[WIT00.1] Witt, H.J., Mao, S.M.: 2000, *Monthly Notices Roy. Astron. Soc.* **311**, 689, "On the magnfication relations in quadruple lenses: A moment approach"

[WIT95.1] Witt, H.J., Mao, S., Schechter, P.L.: 1995, *Astrophys. J.* **443**, 18, "On the universality of microlensing in quadruple gravitational lenses"

[WIT93.3] Witt, H.J., Petters, A.O.: 1993, *Journ. of Mat. Physics* **34**, 4093, "Singularities of the one- and two-point mass gravitational lens"

[WIT00.2] Wittman, D.M., Tyson, J.A., Kirkman, D., Dell'Antonio, I., Bernstein, G.: 2000, *Nature* **405**, 143, "Detection of weak gravitational lensing distortions of distant galaxies by cosmic dark matter at large scales"

[WIT01.1] Wittman, D. , Tyson, J.A., Margoniner, V.E., Cohen, J.G., Dell'Antonio, I.P.: 2001, *Astrophys. J.* **557**, L89, "Discovery of a galaxy cluster via weak lensing"

[WOL82.1] Wolfe, A.M., Davis, M.M., Briggs, F.H.: 1982, *Astrophys. J.* **259**, 495, "Time variations in the high-redshift 21 centimeter absorption spectrum of the BL Lacertae object AO 0235+164"

[WOL95.1] Wolfe, A.M., Lanzetta, K.M., Foltz, C.B., Chaffee, F.H.: 1995, *Astrophys. J.* **454**, 698, "The LBQS survey for damped Ly α absorption systems"

[WOO88.1] Wood, K.S., Ftaclas, C., Kearney, M.: 1988, *Astrophys. J.* **324**, L63, "The effect of gravitational lensing on pulsed emission from neutron stars exhibiting quasi-periodic oscillation"

[WOZ00.1] Woźniak, P.R., Alard, C., Udalski, A., Szymański, M., Kubiak, M., Pietrzyński, G., Zebruń, K.: 2000, *Astrophys. J.* **529**, 88, "The Optical Gravitational Lensing Experiment Monitoring of QSO 2237+0305"

[WOZ97.1] Woźniak, P., Paczyński, B.: 1997, *Astrophys. J.* **487**, 55, "Microlensing of blended stellar images"

[WOZ98.1] Woźniak, P., Szymański, M.: 1998, *Acta Astronomica* **48**, 269, "Stellar variability background in OGLE-I microlensing search"

[WOZ00.2] Woźniak, P.R., Udalski, A., Szymański, M., Kubiak, M., Pietrzyński, G.,

Soszyński, I., Zebruń, K.: 2000, *Astrophys. J.* **540**, L65, "The Optical Gravitational Lensing Experiment. A hunt for caustic crossings in QSO 2237+0305"
[WRI00.1] Wright C.O., Brainerd, T.G.: 2000, *Astrophys. J.* **534**, 34, "Gravitational lensing by NFW halos"
[WUC02.1] Wucknitz, O.: 2002, *Monthly Notices Roy. Astron. Soc.* **332 (4)**, 951-961, "Degeneracies and scaling relations in general power-law models for gravitational lenses"
[WUC03.1] Wucknitz, O., Wisotzki , L., Lopez, S., Gregg, M.D.: 2003, *Astron. Astrophys.* **405**, 445-454, "Disentangling microlensing and differential extinction in the double QSO HE0512-3329"
[WU 89.1] Wu, X.-P.: 1989, *Acta Astrophys. Sin.* **9**, 231, "The statistic properties of gravitational lenses of King galaxies and QSOs"
[WU 89.2] Wu, X.-P.: 1989, *Astron. Astrophys.* **214**, 43, "The statistical properties of gravitational lenses of galaxies and quasars"
[WU 89.3] Wu, X.-P.: 1989, *Chin. Phys. Let.* **6**, 570, "Arcs from cosmic strings as gravitational lenses"
[WU 89.4] Wu, X.-P.: 1989, *Chinese Science Bulletin* **34**, 657, "Lensing effects of a straight cosmic string"
[WU 90.1] Wu, X.-P.: 1990, *Astron. Astrophys.* **232**, 3, "Multiple gravitational lensing and flux conservation"
[WU 90.2] Wu, X.-P.: 1990, *Astron. Astrophys.* **239**, 29, "The magnitude-redshift relation in locally inhomogeneous universe"
[WU 90.3] Wu, X.-P.: 1990, *Chin. Phys. Let.* **7**, 44, "Image splittings in an inhomogeneous universe"
[WU 92.1] Wu, X.-P.: 1992, *Acta Astrophys. Sinica* **12**, 207, "The effect of gravitational lens: a possible limit on the distribution of compact objects in the universe"
[WU 92.2] Wu, X.-P.: 1992, *ASP Conf. Ser.* **31**, 423, "AGNs: the most efficiently lensed sources"
[WU 92.3] Wu, X.-P.: 1992, *Astrophys. Space Science* **187**, 87, "The statistics of multiple gravitational lensing and the application of a single lensing approximation"
[WU 93.1] Wu, X.-P.: 1993, *Astron. Astrophys.* **270**, L1, "Giant luminous arcs: a possible test for the evolution of clusters of galaxies"
[WU 93.2] Wu, X.-P.: 1993, *Astrophys. J.* **411**, 513, "Velocity dispersion in statistical lensing"
[WU 94.1] Wu, X.-P.: 1994, *Astron. Astrophys.* **286**, 748, "A further discussion on quasar-galaxy associations from gravitational lensing"
[WU 94.2] Wu, X.-P.: 1994, *Astrophys. J.* **435**, 66, "Gravitational microlensing by the MACHOs of the Large Magellanic Cloud"
[WU 94.3] Wu, X.-P.: 1994, *Astrophys. J.* **436**, L115, "Determining gravitational masses of galaxy clusters with virial equilibrium and arc-like images"
[WU 00.1] Wu, X.-P: 2000, *Monthly Notices Roy. Astron. Soc.* **316**, 299, "A combined analysis of cluster mass estimates from strong lensing, X-ray measurement and the universal density profile"

[WU 98.1] Wu, X.-P., Chiueh, T., Fang, L.-Z., Xue, Y.-J.: 1998, *Monthly Notices Roy. Astron. Soc.* **301**, 861, "A comparison of different cluster mass estimates: consistency or discrepancy?"

[WU 96.4] Wu, X.-P., Fang,L.-Z.: 1996, *Astrophys. J.* **467**, L45, "Comparisons of cluster mass determinations by X-Ray observations and gravitational lensing"

[WU 96.2] Wu, X.-P., Fang, L.-Z.: 1996, *Astrophys. J.* **461**, L5, "Quasar-cluster associations from gravitational lensing by large-scale matter clumps"

[WU 96.3] Wu, X.-P., Fang, L.-Z., Zhu, Z., Qin, B.: 1996, *Astrophys. J.* **471**, 575, "Environmental Effect on the Associations of Background Quasars with Foreground Objects: I. Analytic Investigation"

[WU 97.1] Wu, X.-P., Fang, L.-Z.: 1997, *Astrophys. J.* **483**, 62, "A statistical comparison of cluster mass estimates from optical/X-ray observations and gravitational lensing"

[WU 96.1] Wu, X.-P., Mao, S.: 1996, *Astrophys. J.* **463**, 404, "The cosmological constant and statistical lensing of giant arcs"

[WU 95.2] Wu, X.-P., Hammer, F.: 1995, *Astron Astrophys.* **299**, 353, "Galaxy-cluster associations from gravitational lensing'

[WU 95.1] Wu, X.-P., Han, J.: 1995, *Monthly Notices Roy. Astron. Soc.* **272**, 705, "A search for associations of distant radio-bright quasars with Abell clusters: an effect of gravitational amplification bias?"

[WU 93.3] Wu, X.-P., Hammer, F.: 1993, *Monthly Notices Roy. Astron. Soc.* **262**, 187, "Statistics of lensing by cluster of galaxies: I. Giant arcs"

[WU 99.2] Wu, K.K.S., Lahav, O., Rees, M.J.: 1999, *Nature* **397**, 225 - 230, "The large-scale smoothness of the Universe"

[WU 97.2] Wu, X.-P., Zhu, X.-H, Jing, Y.-P., Fang, L.-Z.: 1997, *Astrophys. J.* **488**, 557, "Environmental effect on the associations of background quasars with foreground objects: II. Numerical simulations"

[WYI02.3] Wyithe, J.S.B., Agol, E., Fluke, C.J.: 2002, *Monthly Notices Roy. Astron. Soc.* **331**, 1041-1052, "The size of the mid-IR emission region of a quasar inferred from microlensed images of Q2237+0305"

[WYI02.1] Wyithe, J.S.B., Agol, E., Turner, E.L., Schmidt, R.W.: 2002, *Monthly Notices Roy. Astron. Soc.* **330**, 575-582, "Constraints on the mass-profile of the lens galaxy G2237+0305"

[WYI02.5] Wyithe, S., Loeb, A.: 2002, *Astrophys. J.* **577**, 57-68, "Gravitational Lensing of the Sloan Digital Sky Survey High-Redshift Quasars

[WYI02.6] Wyithe, S., Loeb, A.: 2002, *Nature* **417**, 923 - 925, "Magnification of light from many distant quasars by gravitational lenses"

[WYI02.8] Wyithe, J.S.B., Loeb, A.: 2002, *Astrophys. J.* **577**, 615-625, "Measuring the size of quasar broad-line clouds through time-delay light-curve anomalies of gravitational lenses"

[WYI02.7] Wyithe, S., Loeb, A.: 2002, *Astrophys. J.* **581**, 886-894, "A Physical Model for the Luminosity Function of High-Redshift Quasars"

[WYI00.8] Wyithe, J.S.B., Turner, E.L.: 2000, *Monthly Notices Roy. Astron. Soc.* **319**, 1163, "Gravitational microlensing of gamma-ray bursts at medium optical depth"

[WYI01.1] Wyithe, J.S.B., Turner, E.L.: 2001, *Monthly Notices Roy. Astron. Soc.* **320**, 21, "Determining the microlens mass function from quasar microlensing statistics"

[WYI02.2] Wyithe, J.S.B., Turner, E.L.: 2002, *Astrophys. J.* **567**, 18-30, "On the Probability Distribution of Cosmological Microlensing Optical Depths"

[WYI02.4] Wyithe, J.S.B., Turner, E.L.: 2002, *Astrophys. J.* **575**, 650-666, "Cosmological Microlensing Statistics: Variability Rates for Quasars and Gamma-Ray Burst Afterglows and Implications for Macrolensing Magnification Bias and Flux Ratios"

[WYI01.2] Wyithe, J.S.B., Turner, E.L., Spergel, D.N.: 2001, *Astrophys. J.* **555**, 504, "Gravitational lens statistics for generalized NFW profiles: Parameter degeneracy and implications for self-interacting cold dark matter"

[WYI00.5] Wyithe, J.S.B., Turner, E.L., Webster, R.L., Agol, E.: 2000, *Monthly Notices Roy. Astron. Soc.* **318**, 1105, "Predicting caustic-crossing high-magnification events in Q2237+0305"

[WYI00.6] Wyithe, J.S.B., Turner, E.L., Webster, R.L.: 2000, *Monthly Notices Roy. Astron. Soc.* **318**, 1120, "Interpretation of the OGLE Q2237+0305 microlensing light curve (1997-1999)"

[WYI99.1] Wyithe, J.S.B., Webster, R.L.: 1999, *Monthly Not. Roy. Astron. Soc.* **306**, 223, "Application of the contouring method to extended microlensed sources"

[WYI99.3] Wyithe, J.S.B., Webster, R.L., Turner, E.L.: 1999, *Monthly Notices Roy. Astron. Soc.* **309**, 261, "A measurement of the transverse velocity of Q2237+0305"

[WYI00.1] Wyithe, J.S.B., Webster, R.L., Turner, E.L.: 2000, *Monthly Notices Roy. Astron. Soc.* **312**, 843, "The distribution of microlensed light-curve derivatives: the relationship between stellar proper motions and transverse velocity"

[WYI00.2] Wyithe, J.S.B., Webster, R.L., Turner, E.L.: 2000, *Monthly Notices Roy. Astron. Soc.* **315**, 51, "Limits on the microlens mass function of Q2237+0305"

[WYI00.3] Wyithe, J.S.B, Webster, R.L., Turner, E.L., Mortlock, D.J.: 2000, *Monthly Notices Roy. Astron. Soc.* **315**, 62, "A gravitational microlensing determination of continuum source size in Q2237+0305"

[WYI00.4] Wyithe, J.S.B., Webster, R.L., Turner, E.L.: 2000, *Monthly Notices Roy. Astron. Soc.* **315**, 337, "The rate of caustic crossing microlensing events for Q2237+0305"

[WYI00.10] Wyithe, J.S.B., Webster, R.L., Turner, E.L.: 2000, *Monthly Notices Roy. Astron. Soc. 3* **18**, 762, "A small source in Q2237+0305?"

[WYI03.1] Wyithe, J.S.B., Winn, J.N., Rusin, D.: 2003, *Astrophys. J.* **583**, 58-66, "The Multiband Magnification Bias for Gravitational Lenses"

[WYN01.1] Wyn Evans, N., Witt, H.J.: 2001, *Monthly Notices Roy. Astron. Soc.* **327**, 1260-1268, "Are there sextuplet and octuplet image systems?"

[XU 89.1] Xu, C., Fabbri, R., Wu Xuejin: 1989, *Astron. Astrophys.* **220**, 30, "The gravitational lens effect of the Virgo Supercluster"

[XU 83.1] Xu, C., Xu, X.: 1983, *Astron. Astrophys.* **120**, 15, "Gravitational lens effects of neutrino astronomical objects"

[XU 83.2] Xu, C.-m., Wu, X.-j., Xiang, S.-p.: 1983, *Chinese Astronomy and Astrophysics* **7**, 298-302, "Gravitational lens effect of degenerate neutrino celestial

bodies"
[XU 87.1] Xu, C.M., Yin, Q.F., Yu, D.W.: 1987, *Acta Astrophysica Sinica* **7**, 11, "To determine the gravitational lens effects with a method of correlation function"
[XUE01.1] Xue, Y.-J., Wu, X,-P.: 2001, *Astrophys. J.* **549**, L21, "Constraints on the warm dark matter model from gravitational lensing"
[XAN98.1] Xanthopoulos, E., Browne, I.W.A., King, L.J., Koopmans, L.V.E., Jackson, N.J. et al.: 1998, *Monthly Notices Roy. Astron. Soc.* **300**, 649, "The new gravitational lens system B1030+074"
[XAN01.1] Xanthopoulos, E., Combes, F., Wiklind, T.: 2001, *Monthly Notices Roy. Astron. Soc.* **325**, 273, "IRAM observations of JVAS/CLASS gravitational lenses"
[XIA86.1] Xiang, S.-P., Ruffini, R.: 1986, *Astrophys. Space Science* **123**, 1, "Superluminal separation caused by gravitational lens effect of neutrino objects"
[XIN01.1] Xin-Zhou, L., Hong-Bo, C., Kuo, C.-I.: 2001, *Chinese Phys. Lett.* **18**, 4-6, "D-Stars as Gravitational Lenses"
[YAK83.1] Yakovlev, D.G., Mitrofanov, I.G., Levshakov, S.A., Varshalovich, D.A.: 1983, *Astrophys. Space Science* **91**, 133, "Effects of spherically-symmetric gravitational lenses produced by galaxies and clusters"
[YAM01.1] Yamada,T., Yamazaki, S., Hattori, M., Soucail, G., Kneib, J.-P.: 2001, *Astron. Astrophys.* **367**, 51, "Emission-line properties of MG2016+112: A Luminous obscured quasar at high redshift"
[YAM01.3] Yamamoto, K., Futamase, T.: 2001, *Progress of Theoretical Physics* **105 (5)**, 707-716, "Possible method to reconstruct the cosmic equation of state from strong gravitational lensing systems"
[YAM01.2] Yamamoto, K., Kadoya, Y., Murata, T., Futamase, T.: 2001, *Progress of Theoretical Physics* **106 (5)**, 917-928, "Feasibility of Probing Dark Energy with Strong Gravitational Lensing Systems – Fisher-Matrix Approach –"
[YAN95.1] Yang, Z.-L., He, X.-t., Liang, K.: 1994, *Astron. J.* **109**, 56, "Quasar distribution and lensing effects in the Virgo region"
[YAN03.1] Yang, X.H., Mo, H.J., Kauffmann, G., Chu, Y.Q.: 2003, *Monthly Notices Roy. Astron. Soc.* **339 (2)**, 387-396, "Understanding the Results of Galaxy-Galaxy Lensing using Galaxy-Mass Correlation in Numerical Simulations"
[YAN03.2] Yang, X.H., Mo, H.J., van den Bosch, F.C.: 2003, *Monthly Notices Roy. Astron. Soc.* **339 (4)**, 1057-1080, "Constraining galaxy formation and cosmology with the conditional luminosity function of galaxies"
[YAN89.1] Yanny, B., York, D.G., Gallagher, J.S.: 1989, *Astrophys. J.* **338**, 735, "The extent of nebular emission associated with the z=0.525 absorber near AO 0235+164"
[YAN87.1] Yanny, B., York, D.G., Hamilton, D., Schommer, R.A., Williams, T.V.: 1987, *Astrophys. J.* **323**, L19, "Forbidden OII and OIII emission 29 arcsec from a QSO absorption-line region"
[YEE88.1] Yee, H.K.C.: 1988, *Astron. J.* **95**, 1331, "High-resolution imaging of the gravitational lens system candidate 2237+0305"
[YEE96.1] Yee, H.K.C., Bechtold. J.: 1996, *Astron. J.* **111**, 1007, "Variability in the gravitational lens system B1422+231"

[YEE88.2] Yee, H.K.C., De Robertis, M.M.: 1988, *Roy. Astron. Soc. Canada J.* **82**, 274, "The gravitational lens system 2237+030"

[YEE91.1] Yee, H.K.C., De Robertis, M.M.: 1991, *Astrophys. J.* **381**, 386, "Spatially resolved spectroscopy of Lyman-α and CIV in the gravitational lens 2237+030"

[YEE92.1] Yee, H.K.C., De Robertis, M.M.: 1992, *Astrophys. J.* **398**, L21, "Ly-α and CIV narrow-band imaging of the gravitational lens 2237+030"

[YEE94.1] Yee, H.K.C., Ellingson, E.: 1994, *Astron. J.* **107**, 28, "High-resolution optical imaging of the gravitational lens system B1422+231"

[YEE93.1] Yee, H.K.C., Filippenko, A.V., Tang, D.: 1993, *Astron. J.* **105**, 7, "A high-resolution gravitational lens survey"

[YON99.1] Yonehara, A.: 1999, *Astrophys. J.* **519**, L31, "Source size limitation from variabilities of a lensed quasar"

[YON01.1] Yonehara, A.: 2001, *Astrophys. J.* **548**, L127, "Evidence for a source size of less than 2000 AU in quasar 2237+0305"

[YON99.2] Yonehara, A., Mineshige, S., Fukue, J., Umemura, M., Turner, E.L.: 1999, *Astron. Astrophys.* **343**, 41, "Microlens diagnostics of accretion disks in active galactic nuclei"

[YON98.1] Yonehara,A., Mineshige, S., Manmoto, T., Fukue, J., Umemura, M., Turner, E.: 1998, *Astrophys. J.* **501**, L41, "An X-Ray microlensing test of AU-scale accretion disk structure in Q2237+0305", Erratum:*Astrophys. J.*, **511**, L65

[YON03.1] Yonehara, A., Mineshige, S., Takei, Y., Chartas, G., Turner, E.L.: 2003, *Astrophys. J.* **594**, 107-115, "A New Method to Map Flares in Quasars"

[YOR91.1] York, D.G., Yanny, B., Crotts, A., Carilli, C., Garrison, E., Matheson, L.: 1991, *Monthly Notices Roy. Astron. Soc.* **250**, 24, "An inhomogeneous reference catalogue of identified intervening heavy element systems in spectra of QSOs"

[YOS92.1] Yoshida, H., Omote, M.: 1992, *Astrophys. J.* **388**, L1, "Gravitational lens effects on the density parameter"

[YOS88.1] Yoshida, H., Omote, M.: 1988, *Progress of Theoretical Physics* **79 (5)**, 1095-1109, "General Formulation of the Gravitational Lens and Analysis of the Multiple Quasar PG1115 + 080"

[YOU81.1] Young, P.: 1981, *Astrophys. J.* **244**, 756, "Q 0957+561: effects of random stars on the gravitational lens"

[YOU81.2] Young, P., Deverill, R.S., Gunn, J.E., Westphal, J.A.: 1981, *Astrophys. J.* **244**, 723, "The triple quasar Q 1115+080 A, B, C: a quintuple gravitational lens image?"

[YOU80.1] Young, P., Gunn, J.E., Kristian, J., Oke, J.B., Westphal, J.A.: 1980, *Astrophys. J.* **241**, 507, "The double quasar Q 0957+561 A, B: a gravitational lens image formed by a galaxy at z = 0.39"

[YOU81.3] Young, P., Gunn, J.E., Kristian, J., Oke, J.B., Westphal, J.A.: 1981, *Astrophys. J.* **244**, 736, "Q 0957+561: detailed models of the gravitational lens effect"

[YOU81.4] Young, P., Sargent, W.L.W., Boksenberg, A., Oke, J.B.: 1981, *Astrophys. J.* **249**, 415, "The origin of a new absorption system discovered in both components of the double QSO Q 0957+561"

[YUN97.1] Yun, M.S., Scoville, N.Z., Carrasco, J.J., Blandford, R.D.: 1997, *Astrophys. J.* **479**, L9, "Resolution and kinematics of molecular gas surrounding the Cloverleaf Quasar at z=2.6 using the gravitational lens"

[ZAB03.1] Zabel, S.A., Peterson, J.B.: 2003, *Astrophys. J.* **594**, 456-463, "Extended Source Diffraction Effects near Gravitational Lens Fold Caustics"

[ZAC03.1] Zackrisson, E., Bergvall, N.: 2003, *Astron. Astrophys.* **399**, 23-32, "Constraining the cosmological density of compact objects with the long-term variability of quasars"

[ZAL01.2] Zaldarriaga, M.: 2001, *Annals of the New York Academy of Sciences* **927**, 84-93, "Lensing of the CMB: Non gaussian aspects"

[ZAL00.1] Zaldarriaga, M.: 2000, *Phys. Rev. D* **62**, 063510, "Lensing of the CMB: Non-Gaussian aspects"

[ZAL98.1] Zaldarriaga, M., Seljak, U.: 1998, *Phys. Rev.* **D 58**, 023003, "Gravitational lensing effect on cosmic microwave background polarization"

[ZAL97.1] Zaldarriaga, M., Spergel, D.N., Seljak, U.: 1997, *Astrophys. J.* **488**, 1, "Microwave background constraints on cosmological parameters"

[ZAK95.1] Zakharov, A.F.: 1995, *Astron. Astrophys.* **293**, 1, "On the magnification of gavitational lens images near cusps"

[ZAK94.1] Zakharov, A.F.: 1994, *Astronomy Letters* **20**, 300, "On the observational test of quasar variability caused by microlensing"

[ZAK99.1] Zakharov, A.I.: 1999, *Astronomy Reports* **43**, 325, "A nonsingular model for a gravitational microlens"

[ZAK02.1] Zakharov, A.F., Baryshev, Y.V.: 2002, *Class. Quantum Grav.* **19**, 1361-1366, "Influence of gravitational lensing on sources of gravitational radiation"

[ZAK02.2] Zakharov, A.F., Baryshev, Y.V.: 2002, *Int. Journal of Modern Phys. D* **11, No.7**, 1067-1074, "Gravitational Lens Amplification of Gravitational Radiation"

[ZAK97.1] Zakharov, A.F., Sazhin, M.V.: 1997, *Astronomy Letters* **23**, 349, "Influence of the galactic gravitational field on the microlensing of noncompact bodies"

[ZAK97.2] Zakharov, A.F., Sazhin, M.V.: 1997, *Astronomy Reports* **41**, 291, "Estimation of the influence of the galactic gravitational field on microlensing"

[ZAR01.1] Zaroubi, S., Squires, G., de Gasperis, G., Evrard, A., Hoffman, Y., Silk, J.: 2001, *Astrophys. J.* **561**, 600, "Deprojection galaxy cluster X-ray, Sunyaev-Zel'dovich temperature decrement, and weak lensing mass maps"

[ZAR03.1] Zaritsky, D., Gonzalez, A.H.: 2003, *Astrophys. J.* **584**, 691-701, "On the Incidence of Strong Gravitational Lensing by Clusters in the Las Campanas Distant Cluster Survey"

[ZHD98.1] Zhdanov, V.I., Salata, S.A.: 1998, *Kinematics and Physics of Celestial Bodies* **14**, 156, "Motion of the image of a distant object microlensed by stars in a foreground galaxy"

[ZEL64.1] Zel'dovich, Ya. B.: 1964, *Soviet Astron.* **8**, 13, "Observations in a universe homogeneous in the mean"

[ZEL70.1] Zel'dovich, Ya. B.: 1970, *Astron. Astrophys.* **5**, 84, "Gravitational instability: an approximate theory for large density perturbations"

[ZEL80.1] Zel'dovich, Ya. B.: 1980, *Monthly Notices Roy. Astron. Soc.* **192**, 663, "Cosmological fluctuations produced near a singularity"

[ZEP97.1] Zepf, S., Moustakas, L.A., Davis, M.: 1997, *Astrophys. J.* **474**, L1, "Keck spectroscopy of objects with lens-like morphologies in the Hubble Deep Field"
[ZHA98.1] Zhang, X., Xie, G.Z., Bai, J.M.: 1998, *Astron. Astrophys.* **330**, 469, "A historical light curve of 3C 345 and its periodic analysis"
[ZHA00.1] Zhao, H.S.: 2000, *Astrophys. J.* **530**, 299, "Extinction bias of microlensed stars towards the Large Magellanic Cloud and the fraction of machos in the halo"
[ZHA00.2] Zhao, H.S, Graff, D., Guhathakurta, P.: 2000, *Astrophys. J.* **532**, L37, "Magnitude bias of microlensed sources towards the Large Magellanic Cloud"
[ZHA96.1] Zhao, H.S., Mao, S.: 1996, *Monthly Notices Roy. Astron. Soc.* **283**, 1197, "On the Microlensing Optical Depth of the Galactic Bar"
[ZHA96.2] Zhao, H.S.: 1996, *IAU Colloquim 157, eds R.Buta, Croker, D.A., Elmgreen, B.G., ASP Conf. Ser.* **91**, 549, "A self-consistent dynamical model for the COBE observed galactic bar and its application to microlensing"
[ZHA98.2] Zhao, H.S.: 1998, *Monthly Not. Roy. Astron. Soc* **294**, 139, "Microlensing of tidal debris on the Magellanic great circle"
[ZHA99.2] Zhao, H.S.: 1999, *Astrophys. J.* **526**, 141, "A radial velocity survey for Large Magellanic Cloud microlensed sources"
[ZHA99.3] Zhao, H.S.: 1999, *Astrophys. J.* **527**, 167, "Reddening of microlensed Large Magellanic Cloud stars versus the location of the lenses"
[ZHA98.3] Zhao, H.S., de Zeeuw, P.T.: 1998, *Monthly Notices Roy. Astron. Soc.* **297**, 449, "The microlensing rate and mass function versus dynamics of the Galactic bar"
[ZHA01.1] Zhao, H.-S., Pronk, D.: 2001, *Monthly Notices Roy. Astron. Soc.* **320**, 401, "Systematic uncertainties in gravitational lensing models: a semi-analytical study of PG1115+080"
[ZHA03.1] Zhao, H.S., Qin, B.: 2003, *Astrophys. J.* **582**, 2-5, "Intrinsic Degeneracy of Gravitational Lens Time Delays: the case for a simple quadruple system in Lambda Cold Dark Matter cosmology"
[ZHA96.3] Zhao, H.S., Rich, R.M., Spergel, D.N.: 1996, *Monthly Notices Roy. Astron. Soc.* **282**, 175, "A consistent microlensing model for the galactic bar"
[ZHA95.1] Zhao, H.S., Spergel, D.N., Rich, R.M.: 1995, *Astrophys. J.* **440**, L13, "Microlensing by the galactic bar"
[ZHD89.1] Zhdanova, V.V., Piragas, K.A.: 1989, *Astrophysics* **31**, 389, "The influence of motion of gravitating masses on the observed characteristics of a point light source"
[ZHD01.1] Zhdanov, V.I., Surdej, J.: 2001, *Astron. Astrophys.* **372**, 1, "Quasar pairs with arcminute angular seperations"
[ZHD95.1] Zhdanov, V.I., Zhdanova, V.V.: 1995, *Astron. Astrophys.* **299**, 321, "Analytical relations for time-dependent statistical microlensing"
[ZHE00.1] Zheng, Z., Gould, A.: 2000, *Astrophys. J.* **541**, 728, "Superluminal caustics of close, rapidly rotating binary microlenses"
[ZHE86.1] Zheng, W., Hubbard, E.N.: 1986, *Astrophys. Letters* **25**, 99, "An edge-on galaxy model for Q 0957+561"

[ZHU98.1] Zhu, Z.-H.: 1998, *Astron. Astrophys.* **338**, 777, "Magnification cross-section of gravitational lensing by galaxies in general FLRW cosmologie"

[ZHU98.1] Zhu, Z.-H., Wu, X.-P.: 1998, *Int. Journal of Modern Phys. D* **7, No.3**, 463-469, "Sample incompletness in the study of the quasar-galaxy associations as a result of gravitational lensing"

[ZHU00.1] Zhu, Z.-H.:2000, *Mod. Phys. Let.* **A15**, 1023, "Gravitational lensing statistics as a probe of dark energy"

[ZHU97.2] Zhu, Z.-H., Wu, X.-P.: 1997, *Astron. Astrophys.* **326**, L9, "Do the lensing cross-sections of faint galaxies cover the whole sky ?"

[ZHU97.1] Zhu, Z.-H., Wu, X.-P.: 1997, *Astron. Astrophys.* **324**, 483, "A remark on the inversion of the magnification bias in the quasar-galaxy associations"

[ZHU97.3] Zhu, Z.-H., Wu, X.-P., Fang, L.-Z.: 1997, *Astrophys. J.* **490**, 31, "Quasar-galaxy associations from gravitational lensing: revisited"

[ZU 89.1] Zu, C.M., Fabbri, R., Wu, X.J.: 1989, *Astron. Astrophys.* **220**, 30, "The gravitational lens effect of the virgo supercluster"

[ZUI85.1] Zuiderwijk, E.J.: 1985, *Monthly Notices Roy. Astron. Soc.* **215**, 639, "The gravitational lens effect and the surface density of quasars near foreground galaxies"

[ZUO97.1] Zuo, L., Beaver, E.A., Burbidge, E.M., Cohen, R.D., Junkkarinen, V.T., Lyons, R.W.: 1997, *Astrophys. J.* **477**, 568, "The dust-to-gas ratio in the damped Ly α clouds toward the gravitationally lensed QSO 0957+561"

[ZWI37.1] Zwicky, F.: 1937, *Phys. Rev.* **51**, 679, "On the probability of detecting nebulae which act as gravitational lenses"

[ZWI37.2] Zwicky, F.: 1937, *Phys. Rev.* **51**, 290, "Nebulae as gravitational lenses"

Conference Proceedings and Books

[BOOK20.1] 1920, *Eddington, A.S., Cam. Univ. Press*, "Space, time, and gravitation"

[BOOK57.1] 1957, *Zwicky, F., Springer-Verlag, Berlin*, "Morphological Astronomy"

[BOOK72.1] 1972, *Weinberg, S., (ed. Wiley)*, "Gravitation and Cosmology"

[BOOK83.1] 1983, *Proceedings of the 24th Liège International Astrophysical Colloquium, Université de Liège, Institut d'Astrophysique*, "Quasars and gravitational lenses"

[BOOK86.1] 1986, *Weedman, D.W., Cambridge*, "Quasar Astronomy"

[BOOK88.1] 1988, *Cohen, B., (ed. Wiley, New York, 1988)*, "Gravity's lens. Views of the new cosmology"

[BOOK89.1] 1989, *Lecture Notes in Physics, (eds. Moran, J.M., Hewitt, J.N., Lo, K.Y., Springer-Verlag)* **330**, "Gravitational lenses"

[BOOK89.2] 1989, *Proceedings MPA/P3, Workshop held at Ringberg-Castle, Tegernsee, Max Plank-Institut für Physik und Astrophysik, (eds. Börner, G., Buchert, T., Schneider, P.)*, "Cosmology and gravitational lensing"

[BOOK89.3] 1989, *Bliokh, P.V., Minakov, A.A.*, "Gravitational lensing" (in russian)

[BOOK90.1] 1990, *Lecture Notes in Physics, (eds. Mellier, Y., Fort, B., Soucail, G.)* **360**, "Gravitational lensing"

[BOOK92.1] 1992, *Lecture Notes in Physics, (eds. Kayser, R., Schramm, T., Nieser, L.)* **406**, "Gravitational lenses"

[BOOK92.2] 1992, *Schneider, P., Ehlers, J., Falco, E.E., (ed. Springer-Verlag, Berlin, 1992)*, "Gravitational lenses"

[BOOK93.1] 1993, *Proceedings of the 31st Liège International Astrophysical Colloquim, Université de Liège, Institut d'Astrophysique, (eds. Surdej, J., Fraipont-Caro, D., Gosset, E., Refsdal, S. and Remy., M.)*, "Gravitational lenses in the Universe"

[BOOK96.1] 1996, *Proceedings of the 173rd Symposium of the IAU "Astrophysical applications of gravitational lensing" (Melbourne, Australia, July 9-14, 1995, eds. Kochanek, C.S., Hewitt, J.N.)*

[BOOK97.1] 1997, *Proceedings of the "Golden Lenses, Hubble's constant and galaxies at high redshift" (Jodrell Bank, June 23-25, 1997)*

[BOOK98.1] 1998, *New Astronomy Reviews, "Gravitational lensing: Nature's own weighing scales", Proceedings of the Workshop held at the Department of Physics at Mansfield College, Oxford University, Oxford, UK, January 1998, (eds. AbdelSalam, H., Blundell, K., Miller, J., Saha, P.)* **42**, p.67-166

[BOOK99.1] 1999, *Proceedings of the ASP Conf. Ser. "Gravitational lensing: Recent Progress and Future Goals", eds. Brainerd, T., Kochanek, C.S., Boston, July, 1999*

[BOOK00.1] 2000, *Proceedings of the ASP Conf. Ser. "Microlensing 2000, A New Era of Microlensing Astrophysics", (eds. J.W. Menzies and P.D. Sackett)*

[BOOK00.2] 2000, *Proceedings of the XXth Moriond Astrophysics Meeting "Cosmological Physics with Gravitational Lensing", March 2000, (eds. Y. Mellier, M. Mon, J. Tran Thanh Van, J.P. Kneib)*