

Daniel Mortlock: Curriculum Vitae

1 Personal particulars

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Date of birth: June 14, 1973
 Place of birth: Melbourne, Australia
 Citizenship: Australian; British

2 Employment history

2011 –	lecturer in astro-statistics	Imperial College London
2005 –	postdoctoral research associate	Imperial College London
2002 – 2005	PPARC postdoctoral fellow	Cambridge University
1999 – 2002	postdoctoral research associate	Cambridge University
1998 – 1999	lecturer	Latrobe University

3 Teaching experience

2010 –	undergraduate project supervisor	Imperial College London
2008 –	undergraduate demonstrator	Imperial College London
2001 – 2005	undergraduate supervisor	Cambridge University
1998	undergraduate astronomy lecturer	La Trobe University
1998	undergraduate demonstrator	La Trobe University
1994 – 1999	undergraduate demonstrator	Melbourne University

4 Education

1999	Doctor of Philosophy (physics)	Melbourne University
1994	Bachelor of Science (degree with honours)	Melbourne University
1990	Victorian Certificate of Education (VCE)	Scotch College, Melbourne

5 Professional affiliations

- 2010 – member of *JANUS* mission science team
- 2009 – Planck Core Team member (conferring full proprietary data access)
- 2007 – member of the London *Planck* Analysis Centre (LPAC)
- 2005 – member of the UKIDSS consortium
- 2001 – *Planck* scientist (conferring proprietary data access)
- 2000 – 2005 research associate at Corpus Christi College, Cambridge
- 1999 – *Planck* associate
- 1999 – 2005 member of the Cambridge *Planck* Analysis Centre (CPAC)

6 Professional experience and expertise

- Referee for scientific journals (including *A&A*, *AJ*, *ApJ*, *MNRAS*, *Nature*, *PASA*, *PRD* and *Statistical Analysis And Data-Mining*)
- Considerable programming experience in C, Fortran90, Linux/UNIX shell scripting, SQL, \LaTeX and HTML
- Clear and enthusiastic science communicator, including public talks, teaching and professional presentations
- Active member of several group and departmental committees

7 Awards and scholarships

- 2012 Royal Astronomical Society Group Award for UKIDSS
- 2011 Faculty Research Staff Award at Imperial College London
- 2000 Melbourne University Chancellor's Prize
(for best PhD thesis in science or engineering)
- 1997 Melbourne University Graduate Studies travel scholarship
- 1995 Australian Postgraduate Award with stipend
- 1994 Melbourne University Bryan Scholarship in Natural Science
(for highest average mark in final year physics)
- 1993 E.M. & J.F. Ward Prize in Experimental Physics
(for highest mark in final year physics laboratory classes)
- 1990 Australian Students' Prize
(for VCE mark)
- 1990 Bronze Certificate in the Australian Mathematics Olympiad

8 Scientific talks

2012	February	group seminar	University of Oxford
2012	February	group seminar	University of Hertfordshire
2012	February	statistics seminar	Imperial College London
2011	November	group seminar	CfA, Harvard
2011	November	ITC lunchtime talk	CfA, Harvard
2011	November	departmental colloquium	Goddard Space Flight Center
2011	October	group seminar	Weizmann Institute
2011	September	departmental seminar	IAS, Princeton
2011	September	departmental seminar	Rutgers University
2011	July	conference talk	New Horizons for High Redshift, Cambridge
2011	July	invited conference talk	Galaxy Formation, Durham
2011	May	departmental seminar	ICG, Portsmouth
2011	March	departmental seminar	Imperial College London
2010	November	departmental seminar	University College London
2010	June	invited conference talk	Planets To Galaxies, Budapest
2010	May	cosmology workshop talk	University College London
2010	March	invited workshop talk	Imperial College London
2009	December	invited workshop talk	Imperial College London
2009	September	invited workshop talk	Statistical Frontiers Of Astrophysics, IMPU, Tokyo
2009	September	conference talk	UKIRT at 30: A British Success Story, Royal Obs. Edinburgh
2009	June	departmental seminar	University of Nottingham
2009	May	departmental seminar	Liverpool John Moores University
2009	April	departmental seminar	University of Heidelberg
2009	April	conference talk	National Astronomy Meeting, University of Hertfordshire
2009	March	departmental seminar	University of Manchester
2009	March	departmental seminar	Durham University
2009	February	group seminar	Oxford University
2009	February	group seminar	Cambridge University
2008	December	workshop talk	UKIDSS Workshop, Imperial College London
2008	August	invited workshop talk	Problems In Cosmology, Snowdon
2008	July	conference talk	JEDI 2 Meeting, Cape Town
2008	July	invited conference talk	JEDI 2 Meeting, Cape Town
2008	May	departmental seminar	Cardiff University
2008	April	departmental seminar	Melbourne University
2008	April	departmental seminar	University of New South Wales
2008	March	invited conference talk	Moriond Meeting, La Thuile
2008	February	departmental seminar	University of Bristol
2007	December	workshop talk	UKIDSS Workshop, European Southern Observatory
2007	June	workshop talk	London Cosmology Discussion Meeting, University College
2006	November	departmental seminar	Jodrell Bank Observatory
2006	February	departmental seminar	Imperial College London
2005	December	workshop talk	UKIDSS Workshop, Royal Observatory Edinburgh
2005	February	departmental seminar	Melbourne University
2004	March	departmental seminar	Institute of Astronomy, University of Cambridge
2004	March	conference talk	Moriond Meeting, La Thuile
2003	November	cosmology workshop talk	DAMTP, Cambridge University
2003	October	departmental seminar	University of Nottingham
2003	February	departmental seminar	University of Melbourne

2002	August	invited conference talk	Mapping The Mass, University of Birmingham
2002	March	departmental seminar	University of Birmingham
2002	February	workshop talk	Planck Workshop, Institute D'Astrophysique, Paris
2002	January	departmental seminar	Oxford University
2001	November	departmental seminar	University of Sussex
2001	October	Planck workshop talk	Imperial College London
2001	July	workshop talk	Planck Workshop, University of Pisa
2001	July	invited workshop talk	Planck Workshop, University of Pisa
2001	March	workshop talk	Unsolved Problems In Cosmology, DAMTP
2000	December	invited conference talk	OzLens, University of Melbourne
2000	October	departmental seminar	Princeton University
2000	September	departmental seminar	Cambridge University
2000	March	conference talk	Moriond Meeting, Les Arcs
2000	February	departmental seminar	Mullard Space Science Laboratory
1999	January	conference talk	AGN Workshop, Mount Stromlo Observatory

9 Publications

9.1 Refereed

72. 'A robust constraint on cosmic textures from the cosmic microwave background'
Feeney, S., Johnson, M.C., **Mortlock, D.J.**, Peiris, H.V., 2012, *PRL*, submitted
71. 'Planck intermediate results I: Further validation of new Planck clusters with XMM-Newton'
Aghanim, N., . . . , **Mortlock, D.J.**, . . . , Zacchei, A., 2012, *A&A*, submitted
70. 'Evolution of the far-infrared luminosity functions in the Spitzer Wide-area Infrared Extra-galactic Legacy Survey'
Patel, H., Clements, D.L., Vaccari, M., **Mortlock, D.J.**, Rowan-Robinson, M. & Pérez-Fournon, I., 2012, *MNRAS*, submitted
69. 'CASOS: A subspace method for anomaly detection in high dimensional astronomical databases'
Henrion, M., Hand, D.J., Gandy, A. & **Mortlock, D.J.**, 2012, *Statistical Analysis And Data Mining*, submitted
68. 'Detection of atomic carbon [C II] 158 μm and dust emission from a redshift $z = 7.1$ quasar host galaxy'
Venemans, B.P., McMahon, R.G., Walter, F., Decarli, R., Cox, P., Neri, R., Hewett, P.C., **Mortlock, D.J.**, Simpson, C. & Warren, S.J.
2011, *ApJL*, in press
67. 'Reconstruction of total solar irradiance 1974–2009'
Ball, W.T., Unruh, Y.C., Krivova, N.A., Solanki, S., **Mortlock, D.J.**, Jaffe, A.H. & Wenzler, T., 2012, *A&A*, in press
66. 'Probabilistic selection of high-redshift quasars'
Mortlock, D.J., Patel, M., Warren, S.J., Hewett, P.C., Venemans, B.P., McMahon, R.G. & Simpson, C.J., 2012, *MNRAS*, **419**, 390
65. 'Planck early results: The Planck mission'
Ade, P.A.R., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 1
64. 'Planck early results: The thermal performance of Planck'
Ade, P.A.R., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 2
63. 'Planck early results: First assessment of the High Frequency Instrument in-flight performance'
Ade, P.A.R., . . . , **Mortlock, D.J.**, . . . , Zacchei, A., 2011, *A&A*, **536**, 4
62. 'Planck early results: The High Frequency Instrument data processing'
Ade, P.A.R., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 6
61. 'Planck early results: The Early Release Compact Source Catalogue'
Ade, P.A.R., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 7
60. 'Planck early results: The all-sky early Sunyaev-Zel'dovich cluster sample'
Ade, P.A.R., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 8
59. 'Planck early results: XMM-Newton follow-up for validation of Planck cluster candidates'
Aghanim, N., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 9

58. 'Planck early results: Statistical analysis of Sunyaev-Zel'dovich scaling relations for X-ray galaxy clusters'
Ade, P.A.R., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 10
57. 'Planck early results: Calibration of the local galaxy cluster Sunyaev-Zel'dovich scaling relations'
Ade, P.A.R., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 11
56. 'Planck early results: Cluster Sunyaev-Zeldovich optical scaling relations'
Aghanim, N., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 12
55. 'Planck early results: Statistical properties of extragalactic radio sources in the Planck Early Release Compact Source Catalogue'
Ade, P.A.R., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 13
54. 'Planck early results: Spectral energy distributions and radio continuum spectra of northern extragalactic radio sources'
Aatrokoski, J., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 15
53. 'Planck early results: The Planck view of nearby galaxies'
Ade, P.A.R., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 16
52. 'Planck early results: Origin of the submillimetre excess dust emission in the Magellanic Clouds'
Ade, P.A.R., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 17
51. 'Planck early results: The power spectrum of cosmic infrared background anisotropies'
Ade, P.A.R., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 18
50. 'Planck early results: All-sky temperature and dust optical depth from Planck and IRAS - constraints on the "dark gas" in our Galaxy'
Ade, P.A.R., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 19
49. 'Planck early results: New light on anomalous microwave emission from spinning dust grains'
Ade, P.A.R., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 20
48. 'Planck early results: The submillimetre properties of a sample of Galactic cold clumps'
Ade, P.A.R., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 22
47. 'Planck early results: The first all-sky survey of Galactic cold clumps'
Ade, P.A.R., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 23
46. 'Planck early results: Thermal dust in nearby molecular clouds'
Abergel, A., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 25
45. 'Planck early results: Detection with Planck and confirmation by XMM-Newton of PLCK G266.6–27.3, an exceptionally X-ray luminous and massive galaxy cluster at $z = 1$ '
Aghanim, N., . . . , **Mortlock, D.J.**, . . . , Zonca, A., 2011, *A&A*, **536**, 26
44. 'A Bayesian analysis of the 27 highest energy cosmic rays detected by the Pierre Auger Observatory'
Watson, L.J., **Mortlock, D.J.** & Jaffe, A.H., 2011, *MNRAS*, **418**, 206
43. 'How neutral is the inter-galactic medium surrounding the redshift $z = 7.085$ quasar ULAS J1120+0641?'
Bolton, J.S., Haehnelt, M.G., Warren, S.J., Hewett, P.C., **Mortlock, D.J.**, Venemans, B.P., McMahon, R.G. & Simpson, C.J., 2011, *MNRAS*, **416**, L70

42. 'First observational tests of eternal inflation: analysis methods and WMAP 7-year results'
Feeney, S.M., Johnson, M.C., **Mortlock, D.J.** & Peiris, H.V., 2011, *PRD*, **84**, 043507
41. 'The first constraints on eternal inflation'
Feeney, S.M., Johnson, M.C., **Mortlock, D.J.** & Peiris, H.V., 2011, *PRL*, **107**, 071301
40. 'A luminous quasar at a redshift of 7.085'
Mortlock, D.J., Warren, S.J., Venemans, B.P., Patel, M., Hewett, P.C., McMahon, R.G., Simpson, C., Theuns, T., González–Solares, E.A., Adamson, A., Dye, S., Hambly, N.C., Hirst, P., Irwin, M.J., Kuiper, E., Lawrence, A. & Röttgering, H.J.A., 2011, *Nature*, **474**, 616
39. 'A Bayesian approach to star–galaxy classification'
Henrion, M., **Mortlock, D.J.**, Hand, D.J., Gandy, A., 2011, *MNRAS*, **412**, 2286
38. 'Planck pre-launch status: The Planck mission'
Tauber, J.A., . . . , **Mortlock, D.J.**, . . . , Zorita, D., 2010, *A&A*, **520**, A1
37. 'Forty-seven new T dwarfs from the UKIDSS Large Area Survey'
Burningham, B., Pinfield, D.J., Lucas, P.W., Leggett, S.K., Deacon, N.R., Tinney, C.G., Lodieu, N., Zhang, Z., Huelamo, N., Murray, D.N., **Mortlock, D.J.**, Barrado y Navascués, D., & Zapatero Osorio, M.R., 2010, *MNRAS*, **406**, 1885
36. 'The reanalysis of spectra of GRB 080913 to estimate the neutral fraction of the IGM at a redshift of 6.7'
Patel, M., Warren, S.J., **Mortlock, D.J.** & Fynbo, J.P.U., 2010, *A&A*, 512, L3
35. 'Photometric constraints on white dwarfs and the identification of extreme objects'
Mortlock, D.J., Peiris, H.V. & Ivezić, Ž., 2009, *MNRAS*, **399**, 699
34. 'Discovery of a redshift 6.13 quasar in the UKIRT Infrared Deep Sky Survey'
Mortlock, D.J., Patel, M., Warren, S.J., Venemans, B.P., McMahon, R.G., Hewett, P.C., Simpson, C., Sharp, R.G., Burningham, B., Dye, S., Ellis, S., González–Solares, E.A. & Huélamo, N., 2009, *A&A*, **505**, 97
33. 'Exploring the substellar temperature regime down to ~ 550 K'
Burningham, B., Pinfield, D.J., Leggett, S.K., Tamura, M., Lucas, P.W., Homeier, D., Day–Jones, A., Jones, H.R.A., Clarke, J.R.A., Ishii, M., Kuzuhara, M., Lodieu, N., Zapatero Osorio, M.R., Venemans, B.P., **Mortlock, D., J.**, Barrado y Navascués, D., Martin, E.L. & Magazzu, A., 2008, *MNRAS*, **391**, 320
32. 'Fifteen new T dwarfs discovered in the UKIDSS Large Area Survey'
Pinfield, D.J., Burningham, B., Tamura, M., Leggett, S.K., Lodieu, N., Lucas, P.W., **Mortlock, D.J.**, Warren, S.J., Homeier, D., Ishi, M., Deacon, N.R., McMahon, R.G., Hewett, P.C., Zapatero Osorio, M.R., Martin, E.L., Jones, H.R.A., Venemans, B.P., Day–Jones, A., Dobbie, P.D., Folkes, S.L., Dye, S., Allard, F., Baraffe, I., Barrado y Navascués, D., Casewell, S.K., Chiu, K., Chabrier, G., Clarke, F., Hodgkin, S.T., Magazzu, A., McCaughrean, M.J., Moraux, E., Nakajima, T., Pavlenko, Y. & Tinney, C.G., 2008, *MNRAS*, **390**, 304
31. 'A high-significance detection of non-Gaussianity in the WMAP 5-year data using directional spherical wavelets'
McEwen, J.D., Hobson, M.P., Lasenby, A.N. & **Mortlock, D.J.**, 2008, *MNRAS*, **388**, 659

30. 'A very cool brown dwarf in UKIDSS DR1'
Warren, S.J., **Mortlock, D.J.**, Leggett, S.K., Pinfield, D.J., Homerier, D., Dye, S., Jameson, R.F., Lodieu, N., Lucas, P.W., Adamson, A.J., Allard, F., Chiu, K., Hambly, N.C., Hewett, P.C., Hirst, P., Irwin, M.J., Liu, M.C. & Venemans, B.P., 2007, *MNRAS*, **381**, 1400
29. 'The UKIRT Infrared Deep Sky Survey (UKIDSS)'
Lawrence, A., Warren, S.J., Almaini, O., Edge, A.C., Hambly, N.C., Jameson, R.F., Lucas, P., Casali, M., Adamson, A., Dye, S., Emerson, J.P., Foucaud, S., Hewett, P.C., Hirst, P., Hodgkin, S.T., Irwin, M.J., Lodieu, N., McMahon, R.G., Simpson, C., Smail, I., **Mortlock, D.J.** & Folger, M., 2007, *MNRAS*, **379**, 1599
28. 'Eight new T4.5–T7.5 dwarfs discovered in the UKIDSS Large Area Survey Data Release 1'
Lodieu, N., Pinfield, D.J., Leggett, S.K., Jameson, R.F., **Mortlock, D.J.**, Warren, S.J., Lucas, P.W., Chiu, K., Liu, M.C., Venemans, B.P., McMahon, R.G., Allard, F., Baraffe, I., Barrado y Navascués, D., Carraro, G., Deacon, N.R., Dobbie, P.D., Folkes, S.L., Hambly, N.C., Hewett, P.C., Hodgkin, S.T., Jones, H.R.A., Kendall, T.R., Magazzù, A., Martin, E.L., McCaughrean, M.J., Nakajima, T., Pavlenko, Y., Tamura, M., Tinney, C.G. & Zapatero Osorio, M.R., 2007, *MNRAS*, **379**, 1423
27. 'The discovery of the first luminous $z \simeq 6$ quasar in the UKIDSS Large Area Survey'
Venemans, B.P., McMahon, R.G., Warren, S.J., González–Solares, E.A., **Mortlock, D.J.**, Dye, S. & Sharp, R.G., 2007, *MNRAS*, **376**, L76
26. 'The UKIRT Infrared Deep Sky Survey First Data Release'
Warren, S.J., Hambly, N.C., Dye, S., Almaini, O., Cross, N.J.G., Edge, A.C., Foucaud, S., Hewett, P.C., Hodgkin, S.T., Irwin, M.J., Jameson, R.F., Lawrence, A., Lucas, P.W., Adamson, A.J., Bandyopadhyay, R.M., Bryant, J., Collins, R.S., Davis, C.J., Dunlop, J.S., Evans, D.W., González–Solares, E.A., Hirst, P., Jarvis, M.J., Kendall, T.R., Kerr, T.H., Leggett, S.K., Lewis, J.R., Mann, R.G., McLure, R.J., **Mortlock, D.J.**, Rawlings, M.G., Read, M.A., Riello, M., Simpson, C., Smith, D.J.B., Sutorius, E.T.W., Targett, T.A. & Varricatt, W.P., 2006, *MNRAS*, **375**, 213
25. 'Fast directional continuous spherical wavelet transform algorithms'
McEwen, J.D., Hobson, M.P., **Mortlock, D.J.** & Lasenby, A.N., 2007, *IEEE Trans. Signal Proc.*, **55**, 520
24. 'The UKIRT Infrared Deep Sky Survey Early Data Release'
Dye, S., Warren, S.J., Hambly, N.C., Cross, N.J.G., Hodgkin, S.T., Irwin, M.J., Lawrence, A., Adamson, A.J., Almaini, O., Edge, A.C., Hirst, P., Jameson, R.F., Lucas, P.W., van Breukelen, C., Bryant, J., Collins, R.S., Dalton, G.B., Davies, C.J., Evans, D.W., Foucaud, S., González–Solares, E.A., Hewett, P.C., Kerr, T.H., Leggett, S.K., Lodieu, N., Loveday, J., Lewis, J.R., McMahon, R.G., **Mortlock, D.J.**, Nakajima, Y., Pinfield, D.J., Rawlings, M., Read, M.A., Riello, M., Sekiguchi, K., Smith, A.J., Sutorius, E.T.W., Varricatt, W. & Weatherley, S.J., 2007, *MNRAS*, **372**, 1227
23. 'A high-significance detection of non-Gaussianity in the *WMAP* 3-yr data using directional spherical wavelets'
McEwen, J.D., Hobson, M.P., Lasenby, A.N. & **Mortlock, D.J.**, 2006, *MNRAS*, **371**, L50
22. 'Non-Gaussianity detections in the Bianchi VII_h-corrected *WMAP* 1-year data made with directional spherical wavelets'
McEwen, J.D., Hobson, M.P., Lasenby, A.N. & **Mortlock, D.J.**, 2006, *MNRAS*, **369**, 1858

21. 'A high-significance detection of non-Gaussianity in the *WMAP* 1-yr data using directional spherical wavelets'
McEwen, J.D., Hobson, M.P., Lasenby, A.N. & **Mortlock, D.J.**, 2005, *MNRAS*, **359**, 1583
20. 'Neutrino interferometry in curved spacetime'
Crocker, R.M., Giunti, C. & **Mortlock, D.J.**, 2004, *PRD*, **69**, 063008
19. 'Spectroscopic detection of type Ia supernovae in the Sloan Digital Sky Survey'
Madgwick, D.S., Hewett, P.C., **Mortlock, D.J.** & Wang, L., 2003, *ApJ*, **599**, L33
18. 'Spectroscopic detection of quasars in the 2dF galaxy redshift survey'
Madgwick, D.S., Hewett, P.C., **Mortlock, D.J.** & Lahav, O., 2002, *MNRAS*, **334**, 209
17. 'Harmonic analysis of microwave background data - II. From ring-sets to the sky'
Challinor, A.D., **Mortlock, D.J.**, van Leeuwen, F., Lasenby, A.N., Hobson, M.P., Ashdown, M.A.J. & Efstathiou, G.P., 2002, *MNRAS*, **331**, 994
16. 'Harmonic analysis of microwave background data - I. Ring reductions and point-source catalogue'
van Leeuwen, F., Challinor, A.D., **Mortlock, D.J.**, Ashdown, M.A.J., Hobson, M.P., Lasenby, A.N., Efstathiou, G.P., Shellard, E.P.S., Munshi, D. & Stolyarov, V., 2002, *MNRAS*, **331**, 975
15. 'Investigating cosmological weak lensing with the ruy-bundle method'
Fluke, C.J., Webster, R.L. & **Mortlock, D.J.**, 2002, *MNRAS*, **331**, 180
14. 'Analysis of cosmic microwave background data on an incomplete sky'
Mortlock, D.J., Challinor, A.D. & Hobson, M.P., 2002, *MNRAS*, **330**, 405
13. 'Gravitational lensing in modified Newtonian dynamics'
Mortlock, D.J. & Turner, E.L., 2001, *MNRAS*, **327**, 557
12. 'Empirical constraints on alternative gravity theories from gravitational lensing'
Mortlock, D.J. & Turner, E.L., 2001, *MNRAS*, **327**, 552
11. 'Using the 2dF galaxy redshift survey to detect gravitationally-lensed quasars'
Mortlock, D.J. & Webster, R.L., 2001, *MNRAS*, **321**, 629
10. 'Using the 6dF galaxy redshift survey to detect gravitationally-lensed quasars'
Mortlock, D.J. & Drinkwater, M.J., 2001, *PASA*, **18**, 195
9. 'The 2dF gravitational lens survey'
Mortlock, D.J., Madgwick, D.S. & Lahav, O., 2001, *PASA*, **18**, 192
8. 'Gravitational lensing and modified Newtonian dynamics'
Mortlock, D.J. & Turner, E.L., 2001, *PASA*, **18**, 189
7. 'All-sky convolution for polarimetry experiments'
Challinor, A.D., Fosalba, P., **Mortlock, D.J.**, Ashdown, M.A.J., Wandelt, B.W. & Górski, K.M., 2000, *PRD*, **62**, 123002
6. 'Using galaxy redshift surveys to detect gravitationally-lensed quasars'
Mortlock, D.J. & Webster, R.L., 2000, *MNRAS*, **319**, 879
5. 'The statistics of wide-separation lensed quasars'
Mortlock, D.J. & Webster, R.L., 2000, *MNRAS*, **319**, 872

4. 'Gravitational lensing by elliptical galaxies'
Mortlock, D.J. & Webster, R.L., 2000, *MNRAS*, **319**, 860
3. 'A gravitational microlensing determination of continuum source size in Q 2237+0305'
Wyithe, J.S.B., Webster, R.L., Turner, E.L. & **Mortlock, D.J.**, 2000, *MNRAS*, **315**, 62
2. 'Binary quasars'
Mortlock, D.J., Webster, R.L. & Francis, P.J., 1999, *MNRAS*, **309**, 836
1. 'The ray-bundle method for calculating weak magnification by gravitational lenses'
Fluke, C.J., Webster, R.L. & **Mortlock, D.J.**, 1999, *MNRAS*, **306**, 567

9.2 Unrefereed

Conference proceedings

20. 'The UKIRT Infrared Deep Sky Survey and the search for the most distant quasars'
Mortlock, D.J., Patel, M., Warren, S.J., Venemans, B.P., McMahon, R.G., Hewett, P.C., Simpson, C. & Sharp, R.G., 2011, in Tran Thanh Van, J., *et al.*, eds., *Proceedings of the XXth Moriond Meeting: Cosmology*, EDP Sciences, Les Ulis, in press
19. 'A fast directional continuous spherical wavelet transform'
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18. 'UKIDSS: Surveying the sky in the near-IR'
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