

# Bibliography

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## REFEREED PUBLICATIONS

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- HI and OH Absorption in the Lensing Galaxy of MG J0414+0534.** S. J. Curran, *J. Darling*, A. D. Bolatto, M. T. Whiting, C. Bignell, & J. K. Webb. 2007, MNRAS, in press
- Formaldehyde Densitometry of Starburst Galaxies.** J. G. Mangum, *J. Darling*, K. M. Menten, & C. Henkel. 2007, ApJ, submitted
- Properties of Active Galaxies Deduced from HI Observations.** L. C. Ho, *J. Darling*, & J. E. Greene. 2007, ApJ, submitted
- A New HI Survey of Active Galaxies.** L. C. Ho, *J. Darling*, & J. E. Greene. 2007, ApJ, submitted
- A Dense Gas Trigger for OH Megamasers.** *J. Darling*. 2007, ApJ, in press
- Optical Spectral Classification of Major Mergers: OH Megamaser Hosts Versus Non-Masing (Ultra)Luminous Infrared Galaxies.** *J. Darling* & R. Giovanelli. 2006, AJ, 132, 2596
- The Arecibo Legacy Fast ALFA Survey. I. Science Goals, Survey Design, and Strategy.** R. Giovanelli, et al. 2005, AJ, 130, 2598
- On the X-Ray Properties of OH Megamaser Sources: Chandra Snapshot Observations.** C. Vignali, W. N. Brandt, A. Comastri, & *J. Darling*. 2005, MNRAS, 364, 99
- High Resolution Imaging of the OH Megamaser Emission in IRAS 12032+1707 and IRAS 14070+0525.** Y. M. Pihlström, W. A. Baan, *J. Darling*, & H.-R. Klöckner. 2005, ApJ, 618, 705
- Detection of 21 cm HI Absorption at  $z = 0.78$  in a Survey of Radio Continuum Sources.** *J. Darling*, R. Giovanelli, M. P. Haynes, A. D. Bolatto, & G. C. Bower. 2004, ApJ, 613, L101
- A Laboratory for Constraining Cosmic Evolution of the Fine Structure Constant: Conjugate 18 cm OH Lines Toward PKS 1413+135 at  $z = 0.2467$ .** *J. Darling*. 2004, ApJ, 612, 58
- Methods for Constraining Fine Structure Constant Evolution with OH Microwave Transitions.** *J. Darling*. 2003, Phys. Rev. Lett., 91, 011301
- Peculiar Broad Absorption Line Quasars Found in The Digitized Palomar Observatory Sky Survey.** R. J. Brunner, P. B. Hall, S. G. Djorgovski, R. R. Gal, A. A. Mahabal, P. A. A. Lopes, R. R. De Carvalho, S. C. Odewahn, S. Castro, D. Thompson, F. Chaffee, *J. Darling*, & V. Desai. 2003, AJ, 126, 53
- A Search for 6.7 GHz Methanol Masers in OH Megamaser Galaxies at  $0.11 < z < 0.27$ .** *J. Darling*, P. Goldsmith, D. Li, & R. Giovanelli. 2003, AJ, 125, 1177
- The OH Megamaser Luminosity Function.** *J. Darling* & R. Giovanelli. 2002, ApJ, 572, 810
- The Discovery of Time Variability in OH Megamasers.** *J. Darling* & R. Giovanelli. 2002, ApJ, 569, L87
- A Search for OH Megamasers at  $z > 0.1$ . III. The Complete Survey.** *J. Darling* & R. Giovanelli. 2002, AJ, 124, 100
- A Search for OH Megamasers at  $z > 0.1$ . II. Further Results.** *J. Darling* & R. Giovanelli. 2001, AJ, 121, 1278
- A Search for OH Megamasers at  $z > 0.1$ . I. Preliminary Results.** *J. Darling* & R. Giovanelli. 2000, AJ, 119, 3003
- The Optical/Infrared Astronomical Quality of High Atacama Sites. I. Optical Seeing** R. Gio-

vanelli, *J. Darling*, M. Sarazin, J. Yu, P. Harvey, C. Henderson, W. Hoffman, L. Keller, D. Barry, J. Cordes, S. Eikenberry, G. Gull, J. Harrington, J. D. Smith, G. Stacey, & M. Swain. 2001, *PASP*, 113, 789

**The Optical/Infrared Astronomical Quality of High Atacama Sites. II. Infrared Characteristics** R. Giovanelli, *J. Darling*, C. Henderson, W. Hoffman, D. Barry, J. Cordes, S. Eikenberry, G. Gull, L. Keller, J. D. Smith, & G. Stacey. 2001, *PASP*, 113, 803

**A Search for OH Megamasers at  $z > 0.1$ . I. Preliminary Results.** *J. Darling* & R. Giovanelli. 2000, *AJ*, 119, 3003

**The Nonvariability of the Progenitor of Supernova 1993J in M81.** J. G. Cohen, *J. Darling*, & A. Porter. 1995, *AJ*, 110, 308

## CONFERENCE PROCEEDINGS & BOOK CHAPTERS

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**Masers in Starburst Galaxies** *J. Darling*. 2007, Proc. IAU Symp. 242, Astrophysical Masers and Their Environments, eds. J. M. Chapman & W. A. Baan, in press

**Formaldehyde: A High Redshift Tracer of Pre-Starburst Gas?** *J. Darling*. 2006, ASP Conf. Ser., From Z-Machines to ALMA: (Sub)millimeter Spectroscopy of Galaxies, eds. A. J. Baker, J. Glenn, A. I. Harris, J. G. Mangum, & M. S. Yun., in press

**Searching for High-Redshift Centimeter-Wave Continuum, Line, and Maser Emission Using the Square Kilometer Array.** A. W. Blain, C. Carilli, & *J. Darling*. 2004, Science with the Square Kilometer Array, eds. C. Carilli & S. Rawlings, New Astronomy Reviews, 48, 1247

**Measuring Changes in the Fundamental Constants with Redshifted Radio Absorption Lines.** S. J. Curran, N. Kanekar, & *J. Darling*. 2004, Science with the Square Kilometer Array, eds. C. Carilli & S. Rawlings, New Astronomy Reviews, 48, 1095

**OH Megamasers: Discoveries, Insights, and Future Directions.** *J. Darling*. 2005, ASP Conf. Ser., Future Directions in High Resolution Astronomy: The 10th Anniversary of the VLBA, ed. J. D. Romney & M. J. Reid, 340, 216

**The Arecibo OH Megamaser Survey and the Galaxy Merger Rate.** *J. Darling*, and R. Giovanelli. 2001, Gas and Galaxy Evolution, ed. J. Hibbard, M. Rupen, & J. van Gorkom, ASP Conf Ser 240, 200

**A Search for OH Megamasers at  $z > 0.1$ : Preliminary Results.** *J. Darling*, and R. Giovanelli. 2001, ASP Conf. Ser., Science with the Atacama Large Millimeter Array, ed. A. Wootten, 235, 309

**Luminosity Function of  $z > 4$  Quasars from the Second Palomar Sky Survey.** J. D. Kennefick, *J. Darling*, S. G. Djorgovski, & R. R. de Carvalho. 1997, Young Galaxies and QSO Absorption-Line Systems, ASP Conference Series, Vol. 114, ed. Sueli M. Viegas, Ruth Gruenwald, & Reinaldo R. de Carvalho, 95

## ABSTRACTS

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**Molecular Tori in AGN: A Search Using Excited States of OH.** C. M. V. Impellizzeri, A. L. Roy, C. Henkel, *J. Darling*, & J. A. Braatz. 2005, *Astron. Nachr.*, 326, 544

**The Broad OH Megamaser Lines in Ultra Luminous Infrared Galaxies.** Y. M. Pihlström, J. E. Conway, & *J. Darling*. 2004, AAS Meeting 205, #26.09

**OH Maser Disks and Outflows in ULIRGs: VLBA Observations of two IRAS Galaxies.** Y. M. Pihlström, W. A. Baan, *J. Darling*, & H.-R. Klöckner. 2003, AAS Meeting 203, #146.02

**OH Megamasers in External Galaxies.** *J. Darling*. 2003, The Astrochemistry of External Galaxies, IAU 25, JD 21

**The Green Bank Telescope OH Megamaser Survey.** B. Kent, J. Braatz, & *J. Darling*. 2002, AAS

- Meeting 201, #52.16
- The Arecibo OH Megamaser Survey.** *J. Darling.* 2001, AAS Meeting 199, #35.05
- Observing OH Megamasers with the Upgraded Arecibo Telescope.** *J. Darling & R. Giovanelli.* 2001, AAS Meeting 198, #89.03
- OH Megamasers: Luminous Radio Beacons of Merging Galaxies.** *J. Darling & R. Giovanelli.* 2001, AAS Meeting 198, #34.05
- A Survey of Lyman Break Galaxies Associated with Damped Lyman Alpha Systems at  $z \sim 3$ .** *J. Cooke, A. M. Wolfe, E. Gawiser, J. X. Prochaska, & J. Darling.* AAS Meeting 198, #54.10 (2001)
- The Arecibo OH Megamaser Survey and the Galaxy Merger Rate.** *J. Darling, and R. Giovanelli.* 2000, AAS Meeting 196, #51.01
- Optical/Infrared Site Survey in the High Atacama Desert.** *R. Giovanelli, J. Darling, M. Sarazin, S. Eikenberry, B. Hoffman, M. Swain, J. Yu, P. M. Harvey, A. Otarola, and G. Valladares.* 1999, AAS Meeting 193, #11.02
- High-Redshift Quasars and Other Peculiar-Color Objects in DPOSS.** *S. G. Djorgovski, S. C. Odewahn, R. R. Gal, R. R. De Carvalho, A. Kelly, J. Kollmeier, E. Kartalov, J. Darling, and V. Desai.* 1998, AAS Meeting 192, #55.22
- Galaxy Companions of Quasars at  $z > 4$ : Formation of Protocluster Cores?.** *S. G. Djorgovski, K. R. Banas, S. C. Odewahn, R. R. Gal, M. A. Pahre, R. R. de Carvalho, V. Desai, & J. Darling.* 1997, AAS Meeting 191, #95.07
- Discovery of 6 Bright Quasars at  $z > 4$  From Digitized POSS-II.** *J. Darling, R. R. de Carvalho, J. Kenefick, & S. G. Djorgovski.* 1995, BAAS, 187, #84.17