

BIBLIOGRAPHY

Scientific Journals:

1. Kulkarni, S.R. and Chopra, S., 1980, *Applied Physics* **22**, 113.
“Towards an Ideal Correlator”
2. Bohidar, H., Kulkarni, S.R., Prasad, S., and Chopra, S., 1980, *J. Phys. E* **13**, 614,
“Design and Fabrication of a Digital Correlator”
3. Kulkarni, S.R. and Heiles, C., 1980, *Astron. J.* **85**, 1413,
“How to Obtain the True Correlation from a 3-level Digital Correlator”
4. Heiles, C., Stark, A.A., and Kulkarni, S.R., 1981, *Astrophys. J.* **247**, L73,
“Local Gas without Dust: The Contribution of Large Angle Scattering to 21 cm Line Measurements”
5. Kulkarni, S.R., Blitz, L., and Heiles, C., 1982, *Astrophys. J.* **253**, L63,
“The Distribution of Atomic Hydrogen in the Outer Galaxy”
6. Pauls, T., Van Gorkom, J.H., Shaver, P.A., Goss, W.M., Dickey, J.M.,
and Kulkarni, S.R., 1982, *Astron. Astrophys* **112**, 120,
“A Continuum and Line Map of G127+0.5”
7. Backer, D.C., Kulkarni, S.R., Heiles, C.E., Davis, M.M., and Goss, W.M.,
1982, *Nature* **300**, 615,
“A Millisecond Pulsar”
8. Backer, D.C., Kulkarni, S.R., and Taylor, J.H., 1983, *Nature* **301**, 314,
“Timing Observations of the Millisecond Pulsar”
9. Dickey, J.M., Kulkarni, S.R., van Gorkom, J.H., and Heiles, C.E., 1983,
Astrophys. J. Suppl. Ser. **53**, 591,
“A Survey of H I Absorption at Low Galactic Latitudes”
10. Heiles, C., Kulkarni, S.R., Stevens, M.A., Backer, D.C., Davis, M.M., and
Goss, W.M., 1983, *Astrophys. J.* **273**, L75,
“The Distance to the 1.5 Millisecond Pulsar and other 4C21.53 Objects”
11. Kulkarni, S.R. and Fich, M., 1985, *Astrophys. J.* **289**, 792,
“The Total Amount of High Dispersion H I in Our Galaxy”
12. Kulkarni, S.R., Dickey, J.M., and Heiles, C., 1985, *Astrophys. J.* **291**, 716,
“Measurement of Spin Temperatures in a Rapidly Moving H I Shell”
13. Kulkarni, S.R., Turner, K.C., Heiles, C., and Dickey, J.M., 1985, *Astro-*
phys. Suppl. Ser. **57**, 631,
“The Arecibo-Los Canos Spectral Line Interferometer”

14. Shuter, W.L.H., Williams, D.R.W., Kulkarni, S.R., and Heiles, C., 1985, *Astrophys. J.* **306**, 255,
“A Search for Vibrationally Excited Interstellar H₂⁺”
15. Kulkarni, S.R. and Mathieu, R., 1986, *Astrophys. and Space Science* **118**, 531,
“Distance to the Anti-Center Shell”
16. Djorgovski, S. and Kulkarni, S.R., 1986, *Astron. J.* **91**, 90,
“Optical Study of the Geminga Candidate Field”
17. Kulkarni, S.R. and Djorgovski, S., 1986, *Astron. J.* **91**, 98,
“No Pulses from the Geminga Candidate”
18. Kulkarni, S.R., 1986, *Astrophys. J.* **306**, L85,
“Optical Identification of Binary Pulsars: Implications for Magnetic Field Decay in Neutron Stars”
19. Lyne, A.G., Brinklow, A., Middleditch, J., Kulkarni, S.R., Backer, D.C., and Clifton, T.R., 1987, *Nature* **328**, 399,
“The Discovery of a Millisecond Pulsar in the Globular Cluster M28”
20. Romani, R.W., Kulkarni, S.R., and Blandford, R.D., 1987, *Nature* **329**, 309,
“Formation of a Millisecond Pulsar in a Globular Cluster”
21. Kulkarni, S.R., Clifton, T.R., Backer, D.C., Foster, R.S., Fruchter, A.S., and Taylor, J.H., 1988, *Nature* **331**, 50,
“Discovery of a Fast Pulsar in the Supernova Remnant CTB80”
22. Rand, R.J., Kulkarni, S.R., Backer, D.C., and Clifton, T.R. 1988, *Astron. Astrophys.* **196**, 185,
“Is There a Coherent Radiation Component in the Radio Emission SS433?”
23. Clifton, T.R., Backer, D.C., Neugebauer, G., Kulkarni, S.R., Graham, J.R., and Matthews, K. 1988, *Astron. Astrophys.* **191**, L7,
“A Search for Infrared Pulsations from PSR 1951+32”
24. Clifton, T.R., Frail, D.A., Kulkarni, S.R., and Weisberg, J.M. 1988, *Astrophys. J.* **333**, 332,
“Neutral Hydrogen Absorption Observations Towards High Dispersion Measure Pulsars”
25. Goss, W.M., Kulkarni, S.R., and Lyne, A.G. 1988, *Nature* **332**, 47,
“Radio Synthesis Observations of the Globular Cluster M4”
26. Kulkarni, S.R. and Narayan, R. 1988, *Astrophys. J.* **335**, 755,
“Birthrates of Low Mass Binary Pulsars and Low Mass X-ray Binaries”
27. Vogel, S.N., Kulkarni, S.R., and Scoville, N.Z. 1988, *Nature* **334**, 402,
“Star Formation in Giant Molecular Associations Synchronized by a Spiral Density Wave”
28. Phinney, E.S., Evans, C.R., Blandford, R.D., and Kulkarni, S.R. 1988, *Nature* **333**, 832,
“The Eclipsing Millisecond Pulsar 1957+20: Stripping a Degenerate Dwarf”
29. Hester, J.J. and Kulkarni, S.R. 1988, *Astrophys. J.* **331**, L121,
“The Origin and Energetics of CTB 80”

30. Hester, J.J. and Kulkarni, S.R. 1988, *Astrophys. J.* **340**, 362,
“Optical Imagery and Spectrophotometry of CTB 80”
31. Kulkarni, S.R., Djorgovski, S., and Fruchter, A.S. 1988, *Nature* **334**, 504,
“Probable Optical Counterpart of the Eclipsing Millisecond Pulsar System,
1957+20”
32. Kulkarni, S.R. and Hester, J.J. 1988, *Nature* **335**, 801,
“Discovery of a Nebula around PSR 1957+20”
33. Wolszczan, A., Kulkarni, S.R. Middleditch, J.M., Backer, D.C., Fruchter,
A.S., and Dewey, R.J. 1989, *Nature* **377**, 531,
“Discovery of a 110-ms Pulsar in M15”
34. Nakajima, T., Kulkarni, S.R., Gorham, P.W., Ghez, A.M., Neugebauer,
G., Oke, J.B., Prince, T.A., and Readhead, A.C.S. 1989, *Astron. J.* **97**,
1510.
“Diffraction Limited Imaging II: Optical Aperture Synthesis Imaging of
Two Binary Stars”
35. Rand, R.J. and Kulkarni, S.R. 1988, *Astrophys. J.* **343**, 760,
“The Local Galactic Magnetic Field”
36. Johnston, H.M., Kulkarni, S.R., and Oke, J.B. 1988, *Astrophys. J.* **345**,
492,
“The Black Hole A0620-00 and its Accretion Disk”
37. Kulkarni, S.R. 1989, *Astron. J.* **98**, 112,
“Self Noise in Interferometers: Radio and Infrared”
38. Gorham, P.W., Ghez, A.M., Kulkarni, S.R., Nakajima, T., Neugebauer,
G., Oke, J.B., Prince, T.A., and Readhead, A.C.S. 1989, *Astron. J.* **98**,
1783,
“Diffraction Limited Imaging III: 30-ms Closure Phase Imaging of Six
Binary Stars with the Hale 5-m Telescope”
39. Prasad, S. and Kulkarni, S.R. 1989, *J. Opt. Soc. A* **6**, 1702,
“Noise in Optical Synthesis Images I: Ideal Michelson Interferometer”
40. Backer, D.C., Clifton, T.R., Kulkarni, S.R., and Werthimer, D.W. 1989,
Astron. Astrophys., **232** 292,
“A Digital Signal Processor for Pulsar Research”
41. Rand, R.J. and Kulkarni, S.R. 1990, *Astrophys. J.* **349** L43,
“M51: Molecular Spiral Arms, GMAs, and Superclouds”
42. Kulkarni, S.R., Narayan, R., and Romani, R.W. 1990, *Astrophys. J.* **356**,
174,
“The Pulsar Content of Globular Clusters”
43. Rand, R.J., Kulkarni, S.R., and Hester, J.J. 1990, *Astrophys. J.* **352**, L1,
“The Distribution of Warm Ionized Gas in NGC 891”
44. Kulkarni, S.R., Djorgovski, S., and Klemola, A.R.. 1991, *Astrophys. J.*
367, 221,
“Optical and Radio Observations of the Binary Pulsar 1855+09: Con-
straints on White Dwarf Cooling”
45. Anderson, S.B., Gorham, P.M., Kulkarni, S.R., Prince, T.A., and Wol-
szczan, A. 1990, *Nature* **346**, 42,
“Discovery of Two Pulsars in the Globular Cluster M15”

46. Kulkarni, S.R., Prasad, S., and Nakajima, T. 1990, *J. Opt. Soc. America A* **8**, 499,
“Noise in Optical Synthesis Images II: Sensitivity of an $^{12}\text{C}_2$ Interferometer with Bispectrum Imaging”
47. Johnston, H.M. and Kulkarni, S.R. 1990, *Astrophys. J.* **368**, 504,
“On the Detectability of Pulsars in Close Binary Systems”
48. Kulkarni, S.R., Anderson, S.B., Prince, T.A., and Wolszczan, A. 1990, *Nature* **349**, 47,
“Discovery of Pulsars in Globular Clusters M31 and M53”
49. Prince, T.A., Anderson, S.B., Kulkarni, S.R., and Wolszczan, A. 1990, *Astrophys. J.* **374**, L41,
“Timing Measurements of the 8-hr Binary Pulsar in the Globular Cluster M15”
50. Kulkarni, S.R., Goss, W.M., Wolszczan, A., and Middleditch, J.M. 1991, *Astrophys. J.* **363**, L5,
“Deep Radio Synthesis Images of Globular Clusters”
51. Johnston, H. M., Kulkarni, S. R. & Goss, W. M. 1991, *Astrophys. J.* **382**, L89
“Deep VLA Images of Globular Clusters”
52. Frail, D. A. & Kulkarni, S. R. 1991, *Nature* **352**, 785
“PSR 1757–24 and G5.4–1.2: The Interaction of a High Velocity Pulsar with its Supernova Remnant”
53. Ghez, A. M., Neugebauer, G., Gorham, P. W., Haniff, C. A., Kulkarni, S. R. and Matthews, K. 1991, *Astron. J.* **102**, 2066
“Diffraction Limited Infrared Images of the Binary Star T Tauri”
54. Clegg, A. W., Cordes, J. M., Simonetti, J. H. and Kulkarni, S. R. 1992, *Astrophys. J.* **386**, 143
“Rotation Measures of Low Latitude Extragalactic Sources and the Magnetoionic Structure of the Galaxy”
55. Haniff, C. A., Ghez, A. M., Gorham, P. M., Kulkarni, S. R., Matthews, K. and Neugebauer, G. 1992, *Astron. J.* **103**, 1662
“Optical Aperture Synthetic Imaging of the Photosphere and Molecular Atmosphere of Mira”
56. Rand, R. J., Kulkarni, S. R. and Hester, J. J. 1992, *Astrophys. J.* **396**, 97
“Warm Ionized Gas in the Edge-on Galaxies NGC 4565 and NGC 4631”
57. Rand, R. J. and Kulkarni, S. R. 1992, *Astrophys. J.* **390**, 66
“Star Formation and the Distribution of HI and Infrared Emission in M51”
58. Gorham, P. W., Ghez, A. M., Haniff, C. A., Kulkarni, S. R. and Matthews, K. 1992, *Astron. J.* **103**, 953
“A Search for T-Tauri’s Optical Companion Star”
59. Johnston, H. M. and Kulkarni, S. R. 1992, *Astrophys. J.* **393**, L16-L19
“Deep VLA Images of Globular Clusters: NGC 6624”
60. Johnston, H. M. & Kulkarni, S. R. 1992, *Astrophys. J.* **396**, 267
“Spectroscopy of the Recurrent Nova U Sco”

61. Rand, R. J., Kulkarni, S. R. Hester, J. J. 1992, *Astrophys. J.* **396**, 97
“Warm Ionized Gas in the Edge-on Galaxies NGC 4565 and NGC 4631”
62. Kulkarni, S. R., Phinney, E. S., Evans, C. E. & Hasinger, G. 1992, *Nature* **359**, 300
“X-ray detection of the eclipsing millisecond pulsar 1957+20”
63. Kulkarni, S. R., Vogel, S. N., Wang, Z. and Wood, D. O. S. 1992, *Nature* **360**, 139
“Identification of the nebula G70.7+1.2 as a bow shock powered by a pulsar/Be-star binary”
64. Kulkarni, S. R., Predehl, P., Hasinger, G. and Aschenbach, B. 1993, *Nature* **362**, 135
“Identification of an association between a long-period pulsar and an old supernova remnant”
65. Gorham, P. W., Kulkarni, S. R. & Prince, T. A. 1993, *Astron. J.* **105**, 314
“VLA observations of candidate supernova remnants from the Clark Lake 30.9 MHz galactic plane survey”
66. Kulkarni, S. R., Hut, P. & McMillan, S. 1993, *Nature* **364**, 421
“Stellar black holes in globular clusters”
67. Frail, D. A., Kulkarni, S. R. & Vasisht, G. 1993, *Nature* **365**, 136
“Identification of PSR 1758–23 as a runaway pulsar from the supernova remnant W 28”
68. Deich, W. T. S., Middleditch, J., Anderson, S. B., Kulkarni, S. R., Prince, T. A. & Wolszczan, A. 1993, *Astrophys. J.* **410**, 95
“The binary pulsar 1908+00 in NGC 6760”
69. Thorsett, S. E., Deich, W. T. S., Kulkarni, S. R., Navarro, J. & Vasisht, G. 1993, *Astrophys. J.* **416**, 182
“A search for pulsars at high galactic latitudes”
70. Kulkarni, S. R. & Frail, D. A. 1993, *Nature* **365**, 33
“Identification of a supernova remnant coincident with the soft γ -ray repeater SGR 1806–20”
71. Johnston, H. M. & Kulkarni, S. R. 1993, *Astron. Astrophys.* **280**, 523
“A High Frequency Radio Observation of NGC 6624”
72. Phillips, J. A., Onello, J. S. & Kulkarni, S. R. 1993, *Astrophys. J.* **415**, L143
“A cold-HII region in the molecular globule G70.7+1.2”
73. Gorham, P. W., Ray, P. S., Anderson, S. B., Kulkarni, S. R. & Kulkarni, S. R. 1996, *Astrophys. J.* **458**, 257
“A pulsar survey of 18 supernova remnants”
74. Camilo, F., Thorsett, S. E. & Kulkarni, S. R. 1994, *Astrophys. J.* **421**, L15
“The magnetic fields, ages and original spin periods of millisecond pulsars”
75. Murakami, T., Tanaka, Y., Kulkarni, S. R., Ogasaka, Y., Sonobe, T., Ogawara, Y., Aoki, T. & Yoshida, A. 1994, *Nature* **368**, 127
“X-ray identification of the soft gamma-ray repeater 1806–20”

76. Kulkarni, S. R., Frail, D. A., Kassim, N. E., Murakami, T. & Vasisht, G. 1994, *Nature* **368**, 129
“The radio nebula of the soft gamma repeater 1806–20”
77. Rothschild, R. E. , Kulkarni, S. R., & Lingenfelter, R. E. 1994, *Nature* **368**, 432
“Discovery of an X-ray source coincident with the soft gamma-ray repeater 0526–66”
78. Danner, R., Kulkarni, S. R. & Thorsett, S. E. 1994, *Astrophys. J.* **436**, L153
“ROSAT observations of six millisecond pulsars”
79. Vasisht, G., Kulkarni, S. R., Frail, D. A. & Greiner, J. 1994, *Astrophys. J.* **431**, L35
“Supernova Remnant candidate for the Soft Gamma-ray Repeater 1900+14”
80. Nakajima, T., Durrance, S. T., Golimowski, D. A. & Kulkarni, S. R. 1994, *Astrophys. J.* **428**, 797
“A Coronagraphic Search for Brown Dwarfs around Nearby Stars”
81. Frail, D. A., Kulkarni, S. R., Hurley, K. C. et al. 1994, *Astrophys. J.* **437**, L43
“A Search for the Radio Counterpart to the 1994 March 1 Gamma Ray Burst”
82. Sonobe, T., Murakami, T., Kulkarni, S. R., Aoki, T. & Yoshida, A. 1994, *Astrophys. J.* **436**, L23 (1994)
“Characteristics of the persistent emission of SGR 1806–20”
83. Predehl, P. & Kulkarni, S. R. 1995, *Astron. Astrophys.* **294**, L29
“G359.23–0.82, the Mouse, a pulsar powered bow shock”
84. Vasisht, G., Frail, D. A. & Kulkarni, S. R. 1995, *Astrophys. J.* **440**, L65
“Radio monitoring and high resolution imaging of the soft gamma repeater 1806–20”
85. Kulkarni, S. R., Matthews, K., Neugebauer, G., Reid, I. N., van Kerkwijk, M. H. & Vasisht, G. 1995, *Astrophys. J.* **440**, L61
“Optical and infrared observations of SGR 1806–20”
86. van Kerkwijk, M.H., Kulkarni, S. R., Matthews, K. & Neugebauer, G. 1995, *Astrophys. J.* **444**, L33
“A Luminous Companion to SGR 1806–20”
87. Golimowski, D. A., Nakajima, T., Kulkarni, S. R. & Oppenheimer, B. R. 1995, *Astrophys. J.* **444**, L101
“Detection of a very low-mass companion to the astrometric binary GL 105A”
88. Ray, P. S., Deich, W. T. S., Kulkarni, S. R., Prince, T. A. et al. 1995, *Astrophys. J.* **443**, 265
“Much Ado about Nothing: Several Large-area surveys for radio pulsars from Arecibo”
89. Harrison, T. E. et al. 1995, *Astron. Astrophys.* **297**, 465
“Preliminary results from the ground-based Batse/Comptel/NMSU Rapid Response Network for GRB 940301”

90. Bell, J. F., Bailes, M., Kulkarni, S. R., Leitch, E. M. & Lyne, A. G. 1995, *Astrophys. J.* **452**, L121
“Optical Observations of the Binary Millisecond Pulsars J2145–0750 and J0034–0534”
91. van Kerkwijk, M. & Kulkarni, S. R. 1995, *Astrophys. J.* **454**, L141
“Spectroscopy of the White Dwarf Companions of PSR 0655+64 and 0820+02”
92. Nakajima, T., Oppenheimer, B. R., Kulkarni, S. R., Golimowski, D. A., Matthews, K. & Durrance, S. T. 1995, *Nature* **378**, 463
“Discovery of a cool, brown dwarf”
93. Oppenheimer, B. R., Kulkarni, S. R., Matthews, K. & Nakajima, T. 1995, *Science* **270**, 1478
“Infrared spectrum of the cool brown dwarf GL 229B”
94. Navarro, J., De Bruyn, A. G., Frail, D. A., Kulkarni, S. R. & Lyne, A. G. 1995, *Astrophys. J.* **455**, L55
“A very luminous binary millisecond pulsar”
95. Vasisht, G., Aoki, T., Dotani, T., Kulkarni, S. R. & Nagase, F. 1996, *Astrophys. J.* **456**, L59
“Detection of a hard X-ray plerion in the candidate historical remnant G11.2–0.3”
96. Hurley, K., Li, P., Vrba, F., Luginbuhl, C. et al. 1996, *Astrophys. J.* **463**, L13
“A possible X-ray counterpart to SGR 1900+14”
97. Matthews, K., Nakajima, T., Kulkarni, S. R. & Oppenheimer, B. R. 1996, *Astron. J.* **112**, 1678
“Spectral Energy Distribution and Bolometric Luminosity of the Cool Brown Dwarf Gliese 229B”
98. Geballe, T. R., Kulkarni, S. R., Woodward, C. E. & Sloan, G. C. 1996, *Astrophys. J.* **467**, L101
“The near-infrared spectrum of the cool brown dwarf Gliese 229B”
99. van Kerkwijk, M. H., Bergeron, P. & Kulkarni, S. R. 1996, *Astrophys. J.* **467**, L89
“The masses of the millisecond pulsar J1012+5307 and its white dwarf companion”
100. Vrba, F. J. et al. 1996, *Astrophys. J.* **468**, 225
“The double infrared source toward the soft gamma ray repeater 1900+14”
101. Ray, P. S., Thorsett, S. E., Jenet, F. A., van Kerkwijk, M. H., Kulkarni, S. R., Prince, T. A., Sandhu, J. S. & Nice, D. J. 1996, *Astrophys. J.* **470**, 1103
“A Survey for Millisecond Pulsars”
102. Oppenheimer, B. R., Basri, G., Nakajima, T. & Kulkarni, S. R. 1997, *Astrophys. J.* **113**, 296
“Lithium in very low-mass stars in the Pleiades”
103. Vasisht, G., Kulkarni, S. R., Anderson, S. B., Hamilton, T. T. & Kawai, N. 1997, *Astrophys. J.* **476**, L43
“A cooling neutron stars in the supernova remnant G296.5+10.0”

104. Saito, Y., Kawai, N., Kamae, T., Shibata, S., Dotani, T. & Kulkarni, S. R., 1997, *Astrophys. J.* **477**, L37
“Detection of magnetospheric X-ray pulsation from millisecond pulsar PSR B18212–24”
105. Danner, R., Kulkarni, S. R., Saito, Y. & Kawai, N. 1997, *Nature* **388**, 751
“Faint X-ray sources in the core of the globular cluster M28”
106. Sandhu, J. S. et al. 1997, *Astrophys. J.* **478**, L95
“Proper motion and parallax of PSR J0437–4715”
107. Frail, D. A., Vasisht, G. & Kulkarni, S. R. 1997, *Astrophys. J.* **480**, L129
“The changing structure of the radio nebula around the soft gamma-ray repeater 1806–20”
108. Anderson, S. B., Wolszczan, A. & Kulkarni, S. R. 1997, *Astrophys. J.* , **482**, 870
“Observations of two millisecond pulsars in the globular cluster NGC 5904”
109. Frail, D. A., Kulkarni, S. R. et al. 1997, *Astrophys. J.* **483**, L91
“Radio Monitoring of the 1997 January 11 Gamma-Ray Burst”
110. Navarro, J., Manchester, R. N., Sandhu, J. S., Kulkarni, S. R. & Bailes, M. 1997, *Astrophys. J.* **486**, 1019
“Mean Pulse Shape and Polarization of PSR J0437-4715”
111. Gotthelf, E. V. & Kulkarni, S. R. 1997, *Astrophys. J.* **490**, L161
“An unusual x-ray burst from the globular cluster M28”
112. Brown, M. E., Kulkarni, S. R. & Liggett, Timothy, J. 1997, *Astrophys. J.* **490**, L119
“An Analysis of the Statistics of the Hubble Space Telescope Kuiper Belt Object Search”
113. Li, P., Hurley, K., Vrba, F., Kouveliotou, C., Meegan, C., Fishman, G., Kulkarni, S. R. & Frail, D. 1997, *Astrophys. J.* **490**, 823
“ROSAT X-ray Observations of the Second Error Box for SGR 1900+14”
114. Djorgovski, S. G., Metzger, M. R., Kulkarni, S. R., Odewahn, S. G., Gal, R. R., Pahre, M., Frail, D. A., Feroci, M., Costa, E. & Palazzi, E. 1997, *Nature* **387**, 876
“The optical counterpart to the gamma-ray burst GRB 970508”
115. Metzger, M. R., Djorgovski, S. G., Kulkarni, S. R., Steidel, C. C., Adelberger, K. L., Frail, D. A., Costa, E. & Frontera, F. 1997, *Nature* **387**, 878
“Spectral constraints on the redshift of the optical counterpart to the gamma-ray burst of 8 May 1997”
116. Frail, D. A., Kulkarni, S. R., Nicastro, L., Feroci, M. & Taylor, G. B. 1997, *Nature* **389**, 261
“The radio afterglow from the gamma-ray burst of May 8, 1997”
117. Taylor, G. B., Frail, D. A., Beasley, A. J. & Kulkarni, S. R. 1997, *Nature* **389**, 263
“Position and parallax of the gamma-ray burst of May 8, 1997”

118. Kulkarni, S. R., Djorgovski, S. G., Ramaprakash, A. N., Goodrich, R., Bloom, J. S. et al. 1998
Nature **393**, 35
“Identification of a host galaxy at redshift $z=3.42$ for the gamma-ray burst of 14 December 1997”
119. Ramaprakash, A. N., Kulkarni, S. R. et al. 1998
Nature **393**, 35
“The energetic afterglow of GRB 971214”
120. Kulkarni, S. R., Frail, D. A., Wieringa, M. H., Ekers, R. D. Sadler, E. M., Wark, R. M., Higdon, J. L., Phinney, E. S. & Bloom, J. S. 1998
Nature **395**, 663
“Radio emission from the unusual supernova 1998bw and its association with the gamma ray burst of 25 April 1998”
121. Waxman, E., Kulkarni, S. R. & Frail, D. A. 1998, *Astrophys. J.* **497**, 859
“Implications of the radio afterglow from the gamma-ray burst of May 8 1997”
122. Shepherd, D. S., Frail, D. A., Kulkarni, S. R. & Metzger, M. R. 1998
Astrophys. J. **497**, 859
“Owens Valley Interferometric Observations of the Gamma-ray bursts GRB 970228 and GRB 970508”
123. Chary, R., Neugebauer, G., Morris, M., Becklin, E. E., Matthews, K., Kulkarni, S. R., Lowrance, P. J., Zuckerman, B. & Mastrodemos, N. 1998
Astrophys. J. **498**, L9
“Infrared Imaging of GRB 970508”
124. Golimowski, D. A., Burrows, C. J., Kulkarni, S. R., Oppenheimer, B. R. and Brukardt, R. A. 1998,
Astron. J. **115**, 257
“Wide Field Planetary Camera 2 Observations of the Brown Dwarf Gliese 229B: Optical Colors and Orbital Motion”
125. Oppenheimer, B. R., Kulkarni, S. R., Matthews, K. & van Kerkwijk, M. H. 1998,
Astrophys. J. **502**, 932
“The Spectrum of the Brown Dwarf Gliese 229B”
126. Taylor, G. B., Frail, D. A., Kulkarni, S. R., Shepherd, D. S., Feroci, M. & Frontera, F. 1998
Astrophys. J. **502**, L115
“The Discovery of the Radio Afterglow from the Optically Dim Gamma-Ray Burst of 1998 March 29”
127. Frail, D. A., Kulkarni, S. R., Shepherd, D. S. & Waxman, E. 1998
Astrophys. J. **502**, L119
“No Radio Afterglow from the gamma-ray burst of 1997 February 28”
128. Boden, A. et al. 1998,
Astrophys. J. **504**, L39
“An Interferometric Search for Bright Companions to 51 Pegasi”
129. Heyl, J. S. & Kulkarni, S. R. 1998
Astrophys. J. **506**, L61,
“How Common are Magnetars? The Consequences of Magnetic Field Decay”

130. Bloom, J. S., Kulkarni, S. R., Harrison, F., Prince, T. Phinney, E. S. & Frail, D. A. 1998,
Astrophys. J. **506**, L105,
“Expected characteristics of the subclass of Supernova Gamma-ray Bursts (S-GRBs)”
131. Bloom, J. S., Djorgovski, S. G., Kulkarni, S. R. & Frail, D. A. 1998
Astrophys. J. **507**, L25,
“The Host Galaxy of GRB 970508”
132. Kulkarni, S. R. & van Kerkwijk, M. H. 1998, *Astrophys. J.* **507**, L49,
“Optical observations of the isolated neutron star RX J0720.4-3125”
133. Malbet, F. et al. 1998,
Astrophys. J. **507**, L149
“FU Orionis Resolved by Infrared Long-Baseline Interferometry at a 2 AU Scale”
134. Djorgovski, S. G., Kulkarni, S. R., Bloom, J. S. et al. 1998,
Astrophys. J., **508**, L17
“Spectroscopy of the Host Galaxy of the Gamma-ray Burst 980703”
135. Bloom, J. S., Frail, D. A., Kulkarni, S. R., Djorgovski, S. G. et al. 1998,
Astrophys. J. **508**, L17,
“The Discovery and Broad-band Follow-up of the transient of GRB 980703”
136. Odewahn, S. C., Djorgovski, S. G., Kulkarni, S. R., Dickinson, M. et al. 1998
Astrophys. J. **509**, L45
“The Host Galaxy of the Gamma-Ray Burst 971214”
137. Koresko, C. D. et al. 1998,
Astrophys. J. **509**, L45
“The Visual Orbit of the 0.002-arcsecond RS CVN Binary Star TZ Trianguli from Near-Infrared-Baseline Interferometry”
138. Frail, D. A., Kulkarni, S. R. & Bloom, J. S. 1999,
Nature **398**, 127
“A Relativistic Particle Outburst from the Soft Gamma-ray Repeater SGR 1900+14”
139. Kulkarni, S. R., Djorgovski, S. G., Odewahn, S. C., Bloom, J. S. et al. 1999,
Nature **398**, 389
“The afterglow, the redshift and the extreme energetics of the gamma-ray burst 990123”
140. Bloom, J. S., Kulkarni, S. R., Djorgovski, S. G., Eichelberger, A. C., Cote, P., Blakesell, J. P. et al. 1999,
Nature, **401**, 453
“The unusual afterglow of GRB 980326: evidence for the gamma-ray burst/supernova connection”
141. van Belle, G. T. et al. 1999,
Astron. J. **117**, 521
“Radii and Effective Temperatures for G, K and M Giants and Supergiants”

142. Colavita, M. M. et al. 1999
Astrophys. J. **510**, 505
 “The Palomar Testbed Interferometer”
143. Stappers, B. W., van Kerkwijk, M. H., Lane, B. & Kulkarni, S. R. 1999,
Astrophys. J. **510**, L45
 “The Light Curve of the Companion to PSR J2051–0827”
144. Boden, A. F., Koresko, C. D., van Belle, G. T. et al.
Astrophys. J. **515**, 356
 “The Visual Orbit of iota Pegasi”
145. van Kerkwijk, M. H. & Kulkarni, S. R. 1999,
Astrophys. J. **516**, L25
 “A Massive White Dwarf Companion to the Eccentric Binary Pulsar System PSR B2303+46”
146. Bloom, J. S., Odewahn, S. C., Djorgovski, S. G., Kulkarni, S. R. et al. 1999,
Astrophys. J., **518**, L1
 “The Host Galaxy of GRB 990123”
147. Toscano, M., Sandhu, J. S., Bailes, M., Manchester, R. N., Britton, M. C., Kulkarni, S. R., Anderson, S. B. & Stappers, B. W. 1999
Mon. Not. Roy. Astr. Soc. **307**, 925
 “Millisecond Pulsar Velocities”
148. Wieringa, M. H., Kulkarni, S. R. & Frail, D. A. 1999,
Astron. Astrophys., **138**, 467
 “SN 1998bw: The Case for a Relativistic Shock”
149. Kulkarni, S. R., Frail, D. A., Sari, R., Moriarty-Schieven, G. H., Shepherd, D. S., Udomprasert, P., Readhead, A. C. S., Bloom, J. S., Feroci, M. & Costa, E. 1999,
Astrophys. J. **522**, L97
 “Discovery of a Radio Flare from GRB 990123”
150. Harrison, F. A., Bloom, J. S., Frail, D. A., Sari, R., Kulkarni, S. R., Djorgovski, S., Axelrod, T. et al. 1999,
Astrophys. J. **523**, L121
 “Optical and Radio Observations of the Afterglow from GRB 990510: Evidence for a Jet”
151. Toscano, M., Britton, M. C., Manchester, R. N., Bailes, M., Sandhu, J. S., Kulkarni, S. R. & Anderson, S. B. 1999,
Astrophys. J. **523**, L171
 “Parallax of PSR J1744–1134 and the Local Interstellar Medium”
152. Creech-Eakman, M. J., Kulkarni, S. R., Pan, X. P. & Shaklan, S. B. 1999,
Astronomical J. **118**, 248
 “Photometric Measurements of the Fields of More than 700 Nearby Stars”
153. Frail, D. A., Kulkarni, S. R., Bloom, J. S., Djorgovski, S. G., Gorjian, V., Gal, R. R., Meltzer, J., Sari, R., Chaffee, F. H., Goodrich, R., Frontera, F. & Costa, E. 1999
Astrophys. J., **525**, L8
 “The Radio Afterglow and the Host Galaxy of the X-ray Rich GRB 981226”

154. Boden, A. F., Lane, B. F., Creech-Eakman, M. J. et al. 1999,
Astrophys. J. **527**, 360
 “The Visual Orbit of 64 Piscium”
155. van Kerkwijk, M. H., Kaspi, V. M., Klemola, A. R., Kulkarni, S. R., Lyne, A. G. & van Buren, D. 2000,
Astrophys. J. **529**, 428
 “Optical Observations of the Binary System PSR B1718–19: Implications for Tidal Circularization”
156. Martin, E. L., Koresko, C. D., Kulkarni, S. R., Lane, B. F. & Wizinowich, P. L. 2000,
Astrophys. J. **529**, L37 “The Discovery of a Companion to the Very Cool Dwarf Gliese 569B with the Keck Adaptive Optics Facility”
157. van Kerkwijk, M. H., Bell, J. F., Kaspi, V. M. & Kulkarni, S. R. 2000,
Astrophys. J. **530**, L37
 “The Temperature and Cooling Age of the White Dwarf Companion to the Millisecond Pulsar PSR 1855+09”
158. Frail, D. A., Kulkarni, S. R., Sari, R., Taylor, G. B., Shepherd, D. S., Bloom, J. S., Young, C. H., Nicastro, L. & Masetti, N. 2000,
Astrophys. J. **534**, 559,
 “The Radio Afterglow from GRB 980519: A Test of the Jet and Circumstellar Models”
159. Hurley, K., Cline, T., Mazets, E., Aptekar, R., Golnetskii, S., Frederiks, Frail, D. A., Kulkarni, S. R., Trombka, J., McClanahan, T., Starr, R. & Goldsten, J. 2000,
Astrophys. J. **534**, L23,
 “Interplanetary Network Localization of GRB 991208 and the Discovery of its Afterglow”
160. Hulleman, F., van Kerkwijk, M. H., Verbunt, F. W. M. & Kulkarni, S. R. 2000,
Astron. & Astrophys. **358**, 605
 “A deep search for the optical counterpart to the anomalous X-ray pulsar 1E 2259+58.6”
161. Frail, D. A., Waxman, E. & Kulkarni, S. R. 2000,
Astrophys. J. **537**, 191
 “A 450-day light curve of the radio afterglow of GRB 970508: Fireball calorimetry”
162. Taylor, G. B., Bloom, J. S., Frail, D. A., Kulkarni, S. R., Djorgovski, S. G., & Jacoby, B. A. 2000,
Astrophys. J. **537**, L17
 “The Rapidly Fading Afterglow from the Gamma-Ray Burst of 1999 May 6”
163. Frail, D. A., Berger, E., Galama, T., Kulkarni, S. R., Moriarty-Schieven, G. H., Pooley, G. G., Sari, R., Shepherd, D. S., Taylor, G. B. & Walter, F. 2000
Astrophys. J. **538**, L129
 “The Enigmatic Radio Afterglow of GRB 991216”

164. Frontera, F. et al. 2000,
Astrophys. J. **540**, 697,
 “Prompt and afterglow emission from the X-ray rich GRB 981226 observed with BeppoSAX”
165. Lane, B. F., Kuchner, M. J., Boden, A. F., Creech-Eakman, M. & Kulkarni, S. R. 2000,
Nature, **407**, 485
 “Direct Detection of Pulsations of the Cepheid Zeta Geminorum and Direct Calibration of the Cepheid Period-Luminosity Relation”
166. Galama, T. J. et al. 2000
Astrophys. J. Lett., **541**, L45
 “The Bright Gamma-Ray Burst 991208 - Tight Constraints on Afterglow Models from Observations of the Early-Time Radio Evolution”
167. Berger, E., et al. 2000,
Astrophys. J. Lett., **545**, 56
 “A Jet Model for the Afterglow Emission from GRB000301C”
168. Hulleman, F., van Kerkwijk, M. H. & Kulkarni, S. R. 2000,
Nature, **408**, 689
 “An optical counterpart to the Anomalous X-ray Pulsar 4U 0142+61”
169. Stappers, B. W., van Kerkwijk, M. H., Bell, J. F. & Kulkarni, S. R. 2001
Astrophys. J. **548**, L183
 “Intrinsic and Reprocessed Optical Emission from the Companion to PSR J2051–0827”
170. Price, P. A. et al. 2001,
Astrophys. J. Lett., **549**, L7
 “Multi-Color Observations of the GRB000926 Afterglow”
171. Openheimer, B. R., Golimowski, D. A., Kulkarni, S. R., Matthews, K., Nakajima, T., Creech-Eakman, M. & Durrance, S. T. 2001,
Astronomical J. **121**, 2189
 “Coronagraphic Survey for Companions of Stars within 8 pc”
172. Eisner, J. A. & Kulkarni, S. R. 2001,
Astrophys. J., **550**, 871
 “Sensitivity of the Radial Velocity Technique in Detecting Outer Planets”
173. Lane, B. F., Boden, A. F. & Kulkarni, S. R. 2001
Astrophys. J. **551**, L81
 “Interferometric Measurement of the Angular Sizes of Dwarf Stars in the Spectral Range K3–M4”
174. Bloom, J. S., Djorgovski, S. G. & Kulkarni, S. R. 2000
Astrophys. J. **554**, 678
 “The redshift and the ordinary host galaxy of GRB 970228”
175. Kaplan, D. L., Kulkarni, S. R., van Kerkwijk, M. H., Rothschild, R. E., Lingenfelter, R. L., Marsden, D., Danner, R. M. & Murakami, T. 2001,
Astrophys. J. **556**, 399
 “Hubble Space Telescope Observations of SGR 0526-66: New Constraints on Accretion and Magnetar Models”

176. van Straten, W., Bailes, M., Britton, M., Kulkarni, S. R., Anderson, S. B., Manchester, R. N. & Sarkissian, J. 2001, *Nature* **412**, 158)
 “A test of general relativity from the three-dimensional orbital geometry of a binary pulsar”
177. Berger, E., Diercks, A., Frail, D. A., Kulkarni, S. R. et al. 2001
Astrophys. J **556**, 556
 “GRB 000418: A Hidden Jet Revealed?”
178. Kaplan, D. L., Kulkarni, S. R. & Murray, S. S. 2001, *Astrophys. J.* **558**, 270
 “Search for an Near-IR Counterpart to the Cassiopeia A X-ray Point Source”
179. Harrison, F. A. et al. 2001, *Astrophys. J.* **559**, 123
 “Broadband Observations of the Afterglow of GRB 000926: Observing the Effect of Inverse Compton Scattering”
180. Lane, B. F., Zapatero-Osorio, M. R., Britton, M. C., Martin, E. L. & Kulkarni, S. R. 2001, *Astrophys. J.* **560**, 390
 “The orbit of the brown dwarf binary Gl 569B”
181. Berger, E., Kulkarni, S. R. & Frail, D. A. 2001, *Astrophys. J.* **560**, 652
 “The Host Galaxy of GRB980703 at Radio Wavelengths - a Nuclear Starburst in a ULIRG”
182. van Kerkwijk, M. H. & Kulkarni, S. R. 2001,
Astronomy & Astrophysics **378**, 986
 “Optical spectroscopy and photometry of the isolated neutron star RX J1856.5–3754”
183. Lazzati, D., Covino, S., Ghisellini, G., Fugazza, D., Campana, S., Sarraco, P., Price, P. A., Berger, E., Kulkarni, S. R., Ramirez-Ruiz, E. et al. 2001,
Astron. Astrophys. **378**, 996
 “The optical afterglow of GRB 000911: evidence for an associated supernova?”
184. Eisner, J. A. & Kulkarni, S. R. 2001, *Astrophys. J.* **550**, 871
 “Sensitivity of the Astrometric Technique in Detecting Outer Planets”
185. Frail, D. A., Kulkarni, S. R., Sari, R., Djorgovski, S. et al. 2001,
Astrophys. J., **562**, 55
 “Beaming in Gamma-Ray Bursts: Evidence for a Standard Energy Reservoir”
186. van Kerkwijk, M. H. & Kulkarni, S. R. 2001, *Astron. & Astrophysics*, **380**, 221
 “An unusual H-alpha nebula around RX J1856.5-3754”
187. Djorgovski, S. G., Frail, D. A., Kulkarni, S. R., Bloom, J. S., Odewahn, S. C. & Diercks, A. 2001, *Astrophys. J.*, **562**, 654
 “The Afterglow and the Host Galaxy of the Dark Burst GRB 970828”
188. Hulleman, F., Tennant, A. F., van Kerkwijk, M. H., Kulkarni, S. R., Kouveliotou, C. & Patel, S. K. 2001, *Astrophys. J.*, **563**, 49
 “A possible faint near-infrared counterpart to the AXP 1E 2259+586”

189. Kaplan, D. L., Fox, D. W., Kulkarni, S. R., Gotthelf, E. V., Vasisht, G. & Frail, D. A. 2002, *Astrophys. J.*, **564**, 935
“Precise Chandra Localization of the Soft Gamma-ray Repeater SGR 1806-20”
190. Frail, D. A. et al. 2002, *Astrophys. J.*, **565**, 829
“GRB 010222: A Burst Within a Starburst”
191. Kaplan, D. L., Kulkarni, S. R., Frail, D. A. & van Kerkwijk, M. H. 2002, *Astrophys. J.*, **566**, 378
“Deep Radio, Optical, and Infrared Observations of SGR 1900+14”
192. Bloom, J. S., Kulkarni, S. R. & Djorgovski, S. G. 2002, *Astronomical J.*, **123**, 1111
“The Observed Offset Distribution of Gamma-Ray Bursts from Their Host Galaxies: A Robust Clue to the Nature of the Progenitors”
193. Kaplan, D. L., Kulkarni, S. R., van Kerkwijk, M. H. & Marshall, H. L. 2002, *Astrophys. J.*, **570**, L79
“X-Ray Timing of the Enigmatic Neutron Star RX J0720.4–3125”
194. White, Raymond E., Sarazin, Craig L. & Kulkarni, Shrinivas R. 2002, *Astrophys. J.*, **571**, L23
“ X-Ray Binaries and Globular Clusters in Elliptical Galaxies”
195. Price, P. A., Kulkarni, S. R., Berger, E. et al. 2002, *Astrophys. J.*, **571**, L121
“GRB 010921: Discovery of the First HETE Afterglow”
196. Bloom, J. S., Kulkarni, S. R., Price, P. A., Reichart, D. et al. 2002, *Astrophys. J.*, **572**, L45
“Detection of a Supernova Signature Associated with GRB 011121”
197. Price, P. A., Berger, E., Reichart, D., Kulkarni, S. R. et al. 2002, *Astrophys.*, **572**, L51
“GRB 011121: A Massive Star Progenitor”
198. Price, P. A., Berger, E., Kulkarni, S. R. et al. 2002, *Astrophys. J.*, **573**, 85
“The Unusually Long Duration Gamma-ray Burst GRB 000911”
199. Thompson, C., Lyutikov, M. & Kulkarni, S. R. 2002, *Astrophys. J.*, **574**, 332
“Electrodynamics of Magnetars: Implications for the Persistent X-ray Emission and Spindown of the Soft Gamma Repeaters and Anomalous X-ray Pulsars”
200. Eisner, J. A. & Kulkarni, S. R. 2002, *Astrophys. J.*, **574**, 426
“Detecting Outer Planets in Edge-On Orbits: Combining Radial Velocity and Astrometric Techniques”
201. Yost, S. A., Frail, D. A., Harrison, F. A., Sari, R. et al. 2002, *Astrophys. J.*, **577**, 155
“The Broadband Afterglow of GRB980329”
202. Berger, E., Kulkarni, S. R. & Chevalier, R. A. 2002, *Astrophys. J.*, **577**, L5
“The Radio Evolution of the Ordinary Type Ic Supernova SN 2002ap”

203. Mirabel, N., Halpern, J. P., Kulkarni, S. R., Castro, S. et al. 2002, *Astrophys. J.*, **578**, 29
 “Time-Dependent Optical Spectroscopy of GRB 010222: Clues to the GRB Environment”
204. Kaplan, D. K., Kulkarni, S. R. & van Kerkwijk, M. H. 2002, *Astrophys. J.*, **579**, 29
 “A Probable Optical Counterpart for the Isolated Neutron Star RX J1308.6+2127”
205. Berger, E. J., Kulkarni, S. R., Bloom, J. S. et al. 2002, *Astrophys. J.*, **581**, 981
 “The Faint Optical Afterglow and Host Galaxy of GRB 020124: Implications for the Nature of Dark Gamma-Ray Bursts”
206. Price, P. A., Kulkarni, S. R., Schmidt, B. P. et al. 2003, *Astrophys. J.*, **584**, 931
 “GRB 010921: Strong Limits on an Underlying Supernova from HST”
207. Barth, A. J., Sari, R., Cohen, M. H., Goodrich, R. W., Price, P. A., Fox, D. W., Bloom, J. S., Soderberg, A. M. & Kulkarni, S. R. 2003, *Astrophys. J.*, **584**, L47
 “Optical Spectropolarimetry of the GRB 020813 Afterglow”
208. Bloom, J. S., Berger, E., Kulkarni, S. R., Djorgovski, S. G. & Frail, D. A. 2003
Astron. J., **125**, 999
 “The Redshift Determination of GRB 990506 and GRB 000418 with the Echelle Spectrograph Imager on Keck”
209. Galama, T. J., Frail, D. A., Sari, R., Berger, E., Taylor, G. B. & Kulkarni, S. R. 2003,
Astrophys. J., **585**, 899
 “Continued Radio Monitoring of the Gamma-Ray Burst 991208”
210. Kulkarni, S. R., Kaplan, D. L., Marshall, H. L., Frail, D. A., Murakami, T. & Yonetoku, D. 2003, *Astrophys. J.*, **585**, 948
 “The Quiescent Counterpart of the Soft Gamma-ray Repeater SGR 0526–66”
211. Castro, S., Galama, T. J., Harrison, F. A., Holtzman, J. A., Bloom, J. S., Djorgovski, S. G. & Kulkarni, S. R. 2003, *Astrophys. J.*, **586**, 128
 “Keck Spectroscopy and Hubble Space Telescope Imaging of GRB 000926: Probing a Host Galaxy at $z = 2.038$ ”
212. Fox, D. W., Price, P. A., Soderberg, A. M., Berger, E., Kulkarni, S. R., Sari, R., Frail, D. A. et al. 2003, *Astrophys. J.*, **586**, L5
 “Discovery of Early Optical Emission from GRB 021211”
213. Fox, D. W., Yost, S., Kulkarni, S. R., Torii, K., Kato, T., Yamaoka, H., Sako, M., Harrison, F. A., Sari, R., Price, P. A. et al. 2003, *Nature*, **422**, 284
 “Early optical emission from the *gamma*-ray burst of 4 October 2002”
214. Galama, T. J., Reichart, D., Brown, T. M., Kimble, R. A., Price, P. A., Berger, E., Frail, D. A., Kulkarni, S. R. et al. 2003,
Astrophys. J., **587**, 135
 “Hubble Space Telescope and Ground-based Optical and Ultraviolet Observations of GRB 010222”

215. Berger, E., Soderberg, A. M., Frail, D. A. & Kulkarni, S. R. 2003, *Astrophys. J.*, **587**, L5
 “A Radio Flare from GRB 020405: Evidence for a Uniform Medium around a Massive Stellar Progenitor”
216. Frail, D. A., Kulkarni, S. R., Berger, E. & Wieringa, M. H. 2003, *Astron. J.*, **125**, 2299
 “Complete Catalog of Radio Afterglows: The First Five Years”
217. Berger, E., Cowie, L. L., Kulkarni, S. R., Frail, D. A., Aussel, H. & Barger, A. J. 2003, *Astrophys. J.*, **588**, 99
 “A Submillimeter and Radio Survey of Gamma-Ray Burst Host Galaxies: A Glimpse into the Future of Star Formation Studies”
218. Kaplan, D. L., Kulkarni, S. R. & van Kerkwijk, M. H. 2003, *Astrophys. J.*, **588**, L33
 “The Optical Counterpart of the Isolated Neutron Star RX J1605.3+3249”
219. Bassa, C. G., van Kerkwijk, M. H. & Kulkarni, S. R. 2003, *Astron. Astrophys.* **403**, 1067
 “Temperature and cooling age of the white dwarf companion of PSR J0218+4232”
220. Price, P. A., Kulkarni, S. R., Berger, E. et al. 2002, *Astrophys. J.* **589**, 838
 “Discovery of GRB 020405 and its Late Red Bump”
221. Berger, E. J., Kulkarni, S. R. & Frail, D. A. 2003, *Astrophys. J.* **590**, 379
 “A Standard Kinetic Energy Reservoir in Gamma-Ray Burst Afterglows”
222. Frail, D. A., Yost, S. A., Berger, E., Harrison, F. A., Sari, R., Kulkarni, S. R., Taylor, G. B., Bloom, J. S., Fox, D. W., Moriarty-Schieven, G. H. & Price, P. A. 2003, *Astrophys. J.* **590**, 379
 “The Broadband Afterglow of GRB 980703”
223. Kaplan, D. L., van Kerkwijk, M. H., Marshall, H. L., Jacoby, B. A., Kulkarni, S. R. & Frail, D. A. 2003, *Astrophys. J.* **590**, 1008
 “The Nearby Neutron Star RX J0720.4-3125 from Radio to X-Rays”
224. Price, P. A., Fox, D. W., Kulkarni, S. R., Peterson, B. A., Schmidt, B. P., Soderberg, A. M., Yost, S. A., Berger, E., Djorgovski, S. G., Frail, D. A., Harrison, F. A., Sari, R., Blain, A. W. & Chapman, S. C. 2003 *Nature*, **423**, 844
 “The bright optical afterglow of the nearby γ -ray burst of 29 March 2003”
225. Djorgovski, S. G., Bloom, J. S. & Kulkarni, S. R. 2001, *Astrophys. J.* **591**, L13,
 “The Redshift and the Host Galaxy of GRB 980613: A Gamma-Ray Burst From a Merger-Induced Starburst?”
226. Bloom, J. S., Frail, D. A. & Kulkarni, S. R. 2003, *Astrophys. J.* **594**, L13
 “Gamma-Ray Burst Energetics and the Gamma-Ray Burst Hubble Diagram: Promises and Limitations”
227. Sheth, K., Frail, D. A., White, S., Das, M., Bertoldi, F., Walter, F., Kulkarni, S. R. & Berger, E. 2003, *Astrophys. J.* **595**, L33
 “Millimeter Observations of GRB 030329: Continued Evidence for a Two-Component Jet”

228. Berger, E., Kulkarni, S. R., Pooley, G., Frail, D. A., McIntyre, V., Wark, R. M., Sari, R., Soderberg, A. M., Fox, D. W., Yost, S. & Price, P. A. 2003, *Nature* **426**, 154
 “A common origin for cosmic explosions inferred from calorimetry of GRB030329”
229. Berger, E., Kulkarni, S. R., Frail, D. A. & Soderberg, A. M. 2003, *Astrophys. J.* **599**, 408
 “A Radio Survey of Type Ib and Ic Supernovae: Searching for Engine-driven Supernovae”
230. Bloom, J. S., Fox, D., van Dokkum, P. G., Kulkarni, S. R., Berger, E., Djorgovski, S. G. & Frail, D. A. 2003, *Astrophys. J.* **599**, 957
 “The First Two Host Galaxies of X-Ray Flashes: XRF 011030 and XRF 020427”
231. Jacoby, B. A., Bailes, M., van Kerkwijk, M. H., Ord, S., Hotan, A., Kulkarni, S. R. & Anderson, S. B. 2003, *Astrophys. J.* **599**, L99
 “PSR J1909-3744: A Binary Millisecond Pulsar with a Very Small Duty Cycle”
232. Bloom, J. S., van Dokkum, P. G., Bailyn, C. D., Buxton, M. M., Kulkarni, S. R. & Schmidt, B. P. 2004, *Astron. J.* **127**, 252
 “Optical-Infrared ANDICAM Observations of the Transient Associated with GRB 030329”
233. Frail, D. A., Metzger, B. D., Berger, E., Kulkarni, S. R. & Yost, S. A. 2004, *Astrophys. J.* **600**, 828
 “A Late-Time Flattening of Afterglow Light Curves”
234. Pan, X., Shao, M. & Kulkarni, S. R. 2004, *Nature*, **427**, 326
 “A distance of 133-137 parsecs to the Pleiades star cluster”
235. Hulleman, F., van Kerkwijk, M. H. & Kulkarni, S. R. 2004, *Astron. Astrophys.* **416**, 103
 “The Anomalous X-ray Pulsar 4U 0142+61: Variability in the infrared and a spectral break in the optical”
236. Lipkin, Y. M., Ofek, E. O., Gal-Yam, A., Leibowitz, E. M., Poznanski, D., Kaspi, S., Polishook, D., Kulkarni, S. R., Fox, D. W., Berger, E., Mirabal, N., Halpern, J., Bureau, M., Fathi, K., Price, P. A., Peterson, B. A., Frebel, A., Schmidt, B., Orosz, J. A., Fitzgerald, J. B., Bloom, J. S., van Dokkum, P. G., Bailyn, C. D., Buxton, M. M. & Barsony, M. *Astrophys. J.* **606**, 994
 “The Detailed Optical Light Curve of GRB 030329”
237. Soderberg, A. M., Kulkarni, S. R., Berger, E., Fox, D. B., Price, P. A., Yost, S. A., Hunt, M. P., Frail, D. A., Walker, R. C., Hamuy, M., Sheckman, S. A., Halpern, J. P. & Mirabal, N. 2004, *Astrophys. J.* **606**, 994
 “A Redshift Determination for XRF 020903: First Spectroscopic Observations of an X-Ray Flash”
238. Law, N. M., Rutledge, R. E. & Kulkarni, S. R. 2004, *Mon. Not. Roy. Soc.* **350**, 1079
 “A search for X-ray flashes with XMM-Newton”
239. van Kerkwijk, M. H., Kaplan, D. L., Durant, M., Kulkarni, S. R. & Paerels, F. 2004, *Astrophys. J.* **608**, 432
 “A Strong, Broad Absorption Feature in the X-Ray Spectrum of the nearby neutron star RX J1605.3+3249”

240. Taylor, G. B., Frail, D. A., Berger, E. & Kulkarni, S. R. 2004, *Astrophys. J.* **609**, L1
 “The Angular Size and Proper Motion of the Afterglow of GRB 030329”
241. Gal-Yam, A., Moon, D.-S., Fox, D. B., Soderberg, A. M., Kulkarni, S. R., Berger, E., Cenko, S. B., Yost, S., Frail, D. A., Sako, M., Freedman, W. L., Persson, S. E., Wyatt, P., Murphy, D. C., Phillips, M. M., Suntzeff, N. B., Mazzali, P. A. & Nomoto, K. 2004, *Astrophys. J.* **609**, L153
 “The J-Band Light Curve of SN 2003lw, Associated with GRB 031203”
242. Kaplan, D. L., Frail, D. A., Gaensler, B. M., Gotthelf, E. V., Kulkarni, S. R., Slane, P. O. & Nechita, A. 2004, *Astrophys. J. Suppl. Ser.* **153**, 269
 “An X-Ray Search for Compact Central Sources in Supernova Remnants. I. SNRS G093.3+6.9, G315.4–2.3, G084.2+0.8 & G127.1+0.5”

Invited Reviews:

- 1. Blitz, L., Fich, M., and Kulkarni, S.R., 1983,
Science **220**, 1233,
 “The New Milky Way”
- 2. Kulkarni, S.R., 1983
 in *Positron-Electron Pairs in Astrophysics*, Burn et al. (Ed.), American Institute of Physics, 118,
 “Discovery of a Millisecond Pulsar”
- 3. Kulkarni, S.R. and Heiles, C., 1987
 in *Interstellar Processes*, D. Hollenbach and H. Thronson (Eds.), (D. Reidel), 87,
 “The Atomic Component”
- 4. Kulkarni, S.R. and Heiles, C., 1988,
 in *Galactic and Extragalactic Radio Astronomy*, K.I. Kellerman and G.L. Verschuur (Eds.), (Springer-Verlag), 95,
 “H I and the Diffuse Interstellar Medium”
- 5. Backer, D.C. and Kulkarni, S.R., 1990,
 in *Physics Today* **43**(3), 26,
 “Millisecond, Binary and Globular Cluster Pulsars”
- 6. Kulkarni, S. R. 1991,
 in *Texas Symposium on Relativistic Astrophysics*, Ann. New York Academy of Sciences **647**, 548
 “Globular Cluster Pulsars”
- 7. Kulkarni, S. R. 1992,
Phil. Trans. R. Soc. Lond. A **341**, 77,
 “Pulsar Demography and Neutron Star Astrophysics”
- 8. Phinney, E. S. & Kulkarni, S. R. 1994,
Annu. Rev. Astron. Astrophys. **32**, 591
 “Binary and Millisecond Pulsars”
- 9. Kulkarni, S. R. 1995,
Millisecond Pulsars: A Decade of Surprise, Eds. A. S. Fruchter, M. Tavani and D. C. Backer, 79
 “The First Decade of Millisecond Pulsars: An Overview”

- 10. Kulkarni, S. R. & Anderson, S. B. 1996,
Int. Astron. Symp. 174, 181
“Pulsars in Globular Clusters”
- 11. Kulkarni, S. R. 1997,
Science **276**, 1350
“Brown dwarfs: a possible missing link between stars and planets”
- 12. Oppenheimer, B. R., Kulkarni, S. R. & Stauffer, J. R. 1999,
Protostars & Planets IV”, Eds. V. Mannings, A. Boss & S. Russell,
pp1313, Tuscon: University of Arizona Press. “Brown Dwarfs”

Popular Articles, News and Views and Books:

- 1. Blitz, L., Fich, M., and Kulkarni, S.R., 1983, *Astronomy and Astrophysics*, M.S. Roberts (Ed.), (American Association for the Advancement of Science: Washington DC), 77,
“The New Milky Way”
- 2. Backer and Kulkarni, S.R., 1985, *McGraw Hill Yearbook for 1985*, 349,
“Fast Pulsars”
- 3. Kulkarni, S.R. 1988, *Physics Today* **41**, S10,
“Discovery of a Millisecond Pulsar in a Globular Cluster”
- 4. Shao, M., Kulkarni, S. & Jones, D. 1991, *Astrotech 21 Workshop Proceedings: Science Objectives and Architectures for Optical Interferometry in Space*, Jet Propulsion Laboratory
- 5. Kulkarni, S. R., Shao, M. and Haniff, C. A. 1991, *Nature* **352**, 383
“When Big is Beautiful”
- 6. Phillips, J. A., Thorsett, S. E. & Kulkarni, S. R. 1993, *Planets Around Pulsars*, Astron. Soc. Pacific
- 7. Kulkarni, S. R. & Thorsett, S. E. 1993, *Nature* **364**, 579
“Millisecond Pulsars – Questions of Evolution”
- 8. Kulkarni, S. R. & Thompson, C. 1998, *Nature* **393**, 215
“A star powered by magnetism”
- 9. Kulkarni, S. R. 2002, *Nature* **419**, 121
“Astronomy: The missing link”