

**Stephen E. Thorsett**  
**Curriculum vitae**  
**September 23, 2014**

**EMPLOYMENT**

2011– President, Willamette University  
 2011– Professor of Physics, Willamette University  
 2006–11 Dean, Physical and Biological Sciences, UC Santa Cruz  
 2005–06 Acting Dean, Physical and Biological Sciences, UC Santa Cruz  
 2003–05 Chair, Department of Astronomy and Astrophysics, UC Santa Cruz  
 2003–11 Professor of Astronomy and Astrophysics, UC Santa Cruz (currently Step 6)  
 1999–03 Associate Professor of Astronomy and Astrophysics, UC Santa Cruz  
 1994–99 Assistant Professor of Physics, Princeton University  
 1991–94 Robert A. Millikan Research Fellow in Physics,  
 California Institute of Technology

**EDUCATION**

1991 Princeton University Ph.D. (Physics)  
 (Thesis advisor: Joseph H. Taylor)  
 1989 Princeton University M.A. (Physics)  
 1987 Carleton College B.A. *Summa cum laude* (Math, with Honors)  
 1985–86 Visiting Student at Worcester College, Oxford University

**HONORS AND AWARDS**

1997 Alfred P. Sloan Fellow  
 1994 Ernest F. Fullam Award, Dudley Observatory  
 1987–91 Fellowship support from the General Electric Foundation, Tektronix Foundation,  
 National Science Foundation Graduate Fellowship  
 1987 Joseph Henry Prize, Princeton University  
 1987 Elected member, Phi Beta Kappa and Sigma Xi

**NON-DISCIPLINARY SERVICE**

2014– Member, Marion County Commission on Children and Families  
 2014– Board Member, National Association of Independent Colleges and Universities  
 2011– Board Member, Oregon Alliance of Independent Colleges and Universities  
 2011– Member, Presidents' Council, Northwest Conference of the NCAA

**RECENT GRANT SUPPORT**

2010–11 NIH (P.I.), “UCSC Vivarium Improvement Project,”  
 2009–11 NSF (P.I.), “Noyce Program Supplement: Summer Interns,”  
 2008–13 NSF (P.I.), “UCSC Robert Noyce Teacher Scholars Program,”  
 2001–10 NSF (P.I.), “Pulsar Interferometry,”  
 2004–11 NASA (Co.I., Chair of Science Team), “*The Nuclear Spectroscopic Telescope Array*,”  
 Details of past funding (NSF, NASA, Seaver Institute, Sloan Foundation) available upon request.

## ADMINISTRATIVE SERVICE AT UC SANTA CRUZ

## SYSTEMWIDE AND STATEWIDE SERVICE

- 2009– Member, Subcommittee on Size & Shape, UC Commission on the Future
- 2009 Convener, annual meeting, University of California Letters & Sciences Deans
- 2008–09 Member, Advisory Board, California State Summer School for Mathematics and Science
- 2005– UC Science and Mathematics Initiative Task Force/Executive Committee
- 2002–04 Member, University of California Committee on Research Policy  
Chair, Subcommittee on Research Restrictions

## CAMPUSWIDE SERVICE

- 2010– Member, Chancellor’s Executive Committee on Sustainability and Climate
- 2010 Member, Vice Provost for Planning and Budget search committee
- 2008–09 Decanal representative, Provost’s Budget Advisory Group
- 2008 Co-chair, Chancellor’s Inauguration Strategic Committee
- 2007–09 Chair, Council of Deans
- 2007–09 Decanal representative, Chancellor’s Cabinet
- 2006 Partner Hire Task Force
- 2005–06 Chair, Vice Chancellor for Research search committee
- 2005– Campus lead, SMI/Cal Teach
- 2005– Honorary Trustee, UC Santa Cruz Foundation
- 2005– Member, Advisory Committee for Facilities/Committee for Planning and Stewardship
- 2005– Member, Deans Advisory Council/Academic Advisory Committee
- 2005– Member, Chancellor’s Educational Partnership Advisory Committee
- 2004 Member, UCSC Chancellor Selection Advisory Committee
- 2004 Chair, UCSC-LANL Cooperative Agreement for Research and Education working group
- 2003–05 Parliamentarian, UCSC Academic Senate
- 2001–04 Member, Senate Committee on Research (Chair, 2001–2003)
- 2001–03 Member, Senate Advisory Committee
- 2001–03 Member, Academic Planning Committee

## DIVISIONAL SERVICE

- 2008– Chair, building committee, Coastal Biology Building
- 2007–08 Area plan advisory group, Coastal Sciences Campus
- 2006– NSF Center for Adaptive Optics Oversight Committee
- 2005– Chair, Building Committee, Biomedical Sciences Building
- 2005 Associate Dean, Physical and Biological Sciences

## DEPARTMENTAL SERVICE

- 2003–05 Chair, Department of Astronomy and Astrophysics
- 2002–03 Faculty Search Committee, Physics
- 2001–03 Admissions Committee, Astronomy
- 2000–03 Associate Chair and Graduate Representative, Astronomy
- 2000–01 Faculty Search and Admissions Committees, Astronomy  
Faculty Search Committee, Physics
- 1999–2000 Admissions, Exam, & Colloquium Committees, Astronomy

## ADDITIONAL ADMINISTRATIVE ACTIVITIES IN PHYSICS AND ASTROPHYSICS

### EXTERNAL ADMINISTRATIVE REVIEW PANELS

- 2007 Blue Ribbon Committee, U. of Arizona Physics Department review
- 2007 Committee of Experts, Paris Observatory review of Nançay facility
- 2006 *GLAST* Instrument Science Operations Center External Review Panel

### NATIONAL ADVISORY COMMITTEES

- 2002–07 Member, Expanded Very Large Array Advisory Panel
- 2002–05 Member, National Radio Astronomy Observatory Users Committee
- 2002–03 Member, VLA/VLBA Target of Opportunity Working Group
- 2000– Member, Science Working Group, *Gamma-ray Large-Area Space Telescope*, NASA
- 1998–2001 Arecibo (Observatory) Users and Scientific Advisory Committee

### MEETING ORGANIZATION

- 2007 Meeting Organizer, Extreme Solar Systems, Santorini, Greece
- 2004 Meeting Organizer, Binary Radio Pulsars, Aspen Center for Physics
- 2002 Meeting Co-Chair, Radio Pulsars, Chania, Crete
- 2001 Meeting Organizer, Pulsar Astronomy with *GLAST*, UCSC
- 1999 Member, Program Committee, XVIII Moriond Workshop, Gravitational Waves and Experimental Gravity
- 1998 Meeting Organizer, Physical Applications of Radio Pulsar Timing, Aspen
- 1992 Meeting Organizer, Planets Around Pulsars, Pasadena

### OTHER ACTIVITIES

- 1997 Honors Examiner, Oberlin College Department of Physics

### REVIEW PANELS

- 2007 National Science Foundation Review Panel
- 2000–03 Member, Proposal Review Panel, Very Large Array,  
& 1994–96 National Radio Astronomy Observatory

Also occasional and ongoing publication reviews for the *Astrophysical Journal*, *Physical Review*, *Physical Review Letters*, *Nature*, *Monthly Notices of the Royal Astronomical Society*, and grant proposal reviews for various agencies, including NASA panel reviews (ADP, LTSA).

### SELECTED INVITED TALKS

Brown University; Carleton College; Columbia University; Harvard University  
 Institute for Advanced Study; Princeton University; Stanford University; Swarthmore College  
 University of British Columbia; University of California, Berkeley; University of California, Davis  
 University of California, Los Angeles; University of California, Santa Barbara  
 University of California, Santa Cruz; University of Iowa; University of San Francisco; Yale University  
 Lawrence Livermore National Laboratory; Massachusetts Institute of Technology  
 Naval Research Laboratory; Stanford Linear Accelerator Center  
 UCSC Life Long Learners; Monterey Institute for Research in Astronomy  
 Santa Cruz Astronomy Club; Santa Cruz Rotary

## REFEREED PUBLICATIONS

(conference papers, abstracts, and book reviews available upon request)

1. “A Comprehensive Study of Relativistic Gravity using PSR B1534+12,”  
E. Fonseca, I. H. Stairs & S. E. Thorsett,  
*Astrophys. J.*, **787**, 82– (2014).
2. “Broadband Pulsations from PSR B1821–24: Implications for Emission Models and the  
Pulsar Population of M28,”  
T. J. Johnson, *et al.* (The *Fermi* LAT collaboration)  
*Astrophys. J.*, **778**, 106– (2013).
3. “The Neutron Star Mass Distribution,”  
B. Kızıltan, A. Kottas, M. De Yoreo & S. E. Thorsett,  
*Astrophys. J.*, **778**, 66– (2013).
4. “2nd *Fermi* LAT Catalog of Gamma-Ray Pulsars,”  
A. A. Abdo, *et al.* (The *Fermi* LAT collaboration)  
*Astrophys. J. Supp.*, **208**, 17– (2013).
5. “The *Nuclear Spectroscopic Telescope Array (NUSTAR)* High-energy X-Ray Mission,”  
F. A. Harrison *et al.*, (The *NUSTAR* collaboration)  
*Astrophys. J.*, **770** 103– (2013).
6. “Detection of the Characteristic Pion-Decay Signature in Supernova Remnants,”  
M. Ackermann *et al.*, (The *Fermi* collaboration)  
*Science*, **339** 807– (2013).
7. “Pulsed Gamma Rays from the Original Millisecond and Black Widow Pulsars: A Case for  
Caustic Radio Emission?”  
L. Guillemot *et al.*, (The *Fermi* collaboration)  
*Astrophys. J.*, **744** 33– (2012).
8. “*Fermi* Detection of a Luminous  $\gamma$ -Ray Pulsar in a Globular Cluster,”  
P. C. C. Freire *et al.* (The *Fermi* collaboration)  
*Science*, **334** 1107– (2011).
9. “Discovery of Gamma- and X-Ray Pulsations from the Young and Energetic PSR  
J1357–6429 with *Fermi* and *XMM-Newton*,” M. Lemoine-Goumard *et al.* (The *Fermi*  
collaboration)  
*Astron. & Astrophys. Lett.*, **533** 102– (2011).
10. “Discovery of High-Energy Gamma-Ray Emission from the Binary System PSR  
B1259–63/LS 2883 around Periastron with *Fermi*,” A. A. Abdo *et al.* (The *Fermi*  
collaboration)  
*Astrophys. J. Lett.*, **736** 11– (2011).
11. “Radio and  $\gamma$ -Ray Constraints on the Emission Geometry and Birthplace of PSR  
J2043+2740,”  
A. Noutsos *et al.* (The *Fermi* collaboration)  
*Astrophys. J.*, **728** 77– (2011).

12. “*Fermi*-LAT Search for Pulsar Wind Nebulae Around Gamma-Ray Pulsars,”  
M. Ackermann *et al.* (The *Fermi* collaboration)  
*Astrophys. J.*, **726** 35– (2011).
13. “*Fermi* Large Area Telescope Observations of PSR J1057–5226, J1709–4429, and  
J1952+3252,”  
A. A. Abdo *et al.* (The *Fermi* collaboration)  
*Astrophys. J.*, **720** 26– (2010).
14. “Millisecond Pulsar Ages: Implications of Binary Evolution and a Maximum Spin Limit,”  
B. Kızıltan & S. E. Thorsett,  
*Astrophys. J.*, **715** 335– (2010).
15. “Detection of the Energetic Pulsar PSR B1509–58 and its Pulsar Wind Nebula in MSH  
15–52 using the *Fermi* Large Area Telescope,”  
A. A. Abdo, *et al.* (The *Fermi* LAT collaboration)  
*Astrophys. J.*, **714**, 927–936 (2010).
16. “The First *Fermi* Large Area Telescope Catalog of Gamma-ray Pulsars,”  
A. A. Abdo, *et al.* (The *Fermi* LAT collaboration)  
*Astrophys. J. Supp. Ser.*, **187**, 460–494 (2010).
17. “*Fermi* Large Area Telescope Observations of PSR J1836+5925,”  
A. A. Abdo, *et al.* (The *Fermi* LAT collaboration)  
*Astrophys. J.*, **712**, 1209–1218 (2010).
18. “Discovery of Pulsed  $\gamma$ -rays from PSR J0034–0534 with the *Fermi* LAT: A Case for  
Co-located Radio and  $\gamma$ -ray Emission Regions,”  
A. A. Abdo, *et al.* (The *Fermi* LAT collaboration)  
*Astrophys. J.*, **712**, 957–963 (2010).
19. “*Fermi*-LAT Discovery of GeV Gamma-Ray Emission from the Young Supernova Remnant  
Cassiopeia A,”  
A. A. Abdo, *et al.* (The *Fermi* LAT collaboration)  
*Astrophys. J. Lett.*, **710**, L92–L97 (2010).
20. “Gamma-ray and Radio Properties of Six Pulsars Detected by the *Fermi* Large Area  
Telescope,”  
A. A. Abdo, *et al.* (The *Fermi* LAT collaboration)  
*Astrophys. J.*, **708**, 1426–1441 (2010).
21. “*Fermi* Large Area Telescope Observations of the Crab Pulsar and Nebula,”  
A. A. Abdo, *et al.* (The *Fermi* LAT collaboration)  
*Astrophys. J.*, **708**, 1254–1267 (2010).
22. “*Fermi* LAT Detection of Pulsed  $\gamma$  Rays from the Vela-like Pulsars PSRs J1048–5832 and  
J2229+6114,”  
A. A. Abdo, *et al.* (The *Fermi* LAT collaboration)  
*Astrophys. J.*, **706**, 1331–1340 (2009).
23. “A Population of Gamma-Ray Millisecond Pulsars seen with the *Fermi* Large Area  
Telescope,” A. A. Abdo, *et al.* (The *Fermi* LAT collaboration)  
*Science*, **325**, 848–852 (2009).

24. “Discovery of Pulsations from the Pulsar J0205+6449 in SNR 3C 58 with the *Fermi* Gamma-ray Space Telescope,” A. A. Abdo, *et al.* (The *Fermi* LAT collaboration) *Astrophys. J. Lett.*, **699**, L102–L107(2009).
25. “Pulsed Gamma-Rays from PSR J2021+3651 with the *Fermi* Large Area Telescope,” A. A. Abdo, *et al.* (The *Fermi* LAT collaboration) *Astrophys. J.*, **700**, 1059–1066 (2009).
26. “Precision Astrometry with the Very Long Baseline Array: Parallaxes and Proper Motions for 14 Pulsars,” S. Chatterjee, W. F. Brisken, W. H. T. Vlemmings, W. M. Goss, T. J. W. Lazio, J. M. Cordes, S. E. Thorsett, E. B. Fomalont, A. G. Lyne, & M. Kramer, *Astrophys. J.*, **698**, 250–265 (2009).
27. “Constraints on Pulsar Evolution: The Joint Period-Spin-Down Distribution of Millisecond Pulsars,” B. Kızıltan & S. E. Thorsett, *Astrophys. J. Letters*, **693**, L109–L112 (2009).
28. “Discovery of Pulsed  $\gamma$ -Rays from the Young Radio Pulsar PSR J1028–5819 with the *Fermi* Large Area Telescope,” A. A. Abdo, *et al.* (The *Fermi* LAT collaboration) *Astrophys. J. Letters*, **695**, L72–L77 (2009).
29. “*Fermi* Large Area Telescope Observations of the Vela Pulsar,” A. A. Abdo, *et al.* (The *Fermi* LAT collaboration) *Astrophys. J.*, **696**, 1084–1093 (2009).
30. “The *Fermi* Gamma Ray Space Telescope discovers the Pulsar in the Young Galactic Supernova Remnant CTA 1,” A. A. Abdo, *et al.* (The *Fermi* LAT collaboration) *Science*, **322**, 1218–1221 (2008).
31. “Pulsar Timing for the *Fermi* Gamma-ray Space Telescope,” Smith, D. A., *et al.* (The *Fermi* timing consortium), *Astron. & Astrophys.*, **492**, 923–931 (2008).
32. “Age Constraints in the Double Pulsar System J0737–3039,” Lorimer, D. R., Freire, P. C. C., Stairs, I. H., Kramer, M., McLaughlin, M. A., Burgay, M., Thorsett, S. E., Dewey, R. J., Lyne, A. G., Manchester, R. N., D’Amico, N., Possenti, A., & Joshi, B. C., *Mon. Not. Royal Ast. Soc.*, **379**, 1217–1221 (2007).
33. “The Formation of the Double Pulsar PSR J0737–3039A/B,” Stairs, I. H., Thorsett, S. E., Dewey, R. J., Kramer, M., & McPhee, C. A., *Mon. Not. Royal Ast. Soc.*, **373**, L50–L54 (2006).
34. “Long  $\gamma$ -ray bursts and core-collapse supernovae have different environments,” Fruchter, A. S., Levan, A. J., Strolger, L., Vreeswijk, P. M., Thorsett, S. E., Bersier, D., Burud, I., Castro Cerón, J. M., Conselice, C., Dahlen, T., Ferguson, H. C., Fynbo, J. P. U., Garnavich, P. M., Gibbons, R. A., Gorosabel, J., Gull, T. R., Hjorth, J., Holland, S. T., Kouveliotou, C., Levay, Z., Livio, M., Nugent, P. E., Petro, L., Pian, E., Rhoads, J. E., Riess, A. G., Sahu, K. C., Smette, A., Tanvir, N. R., Wijers, R. A. M. J., & Woosley, S. E., *Nature*, **441**, 463–468 (2006).
35. “Infrared and Optical Observations of GRB 030115 and its Extremely Red Host Galaxy: Implications for Dark Bursts,” Levan, A., Fruchter, A., Rhoads, J., Mobasher, B., Tanvir, N., Gorsabel, J., Rol, E.,

- Kouvelioutou, C., Dell’Antonio, I., Merrill, M., Bergeron, E., Castro Cerón, J. M., Masetti, N., Vreeswijk, P., Bersier, D., Castro-Tirado, A., Fynbo, J., Garnavich, P., Holland, S., Hjorth, J., Nugent, P., Pian, E., Smette, A., Thomsen, B., Thorsett, S., and Woosley, S., *Astrophys. J.*, **647**, 471–482 (2006).
36. “Implications of a VLBA Parallax for PSR B0656+14,” Golden, A., Brisken, W. F., Thorsett, S. E., Benjamin, R. A., & Goss, W. M., *Baltic Astronomy*, **14**, 436–439 (2005).
37. “Pulsar Astrometry at the Microarcsecond Level,” Vlemmings, W. H. T., Chatterjee, S., Brisken, W. F., Lazio, T. J. W., Cordes, J. M., Thorsett, S. E., Goss, W. M., Fomalont, E. B., Kramer, M., Lyne, A. G., Seagroves, S., Benson, J. M., McKinnon, M. M., Backer, D. C., & Dewey, R. J., *Memorie della Societa Astronomica Italiana*, **76**, 531–533 (2005).
38. “Getting its Kicks: A VLBA Parallax for the Hyper-Fast Pulsar B1508+55,” Chatterjee, S., Vlemmings, W. H. T., Brisken, W. F., Lazio, T. J. W., Cordes, J. M., Goss, W. M., Thorsett, S. E., Fomalont, E. B., and Kramer, M., *Astrophys. J. Lett.*, **630**, L61–L64 (2005).
39. “Gamma-Ray Burst Selected High Redshift Galaxies: Comparison to Field Galaxy Populations to  $z \sim 3$ ,” Conselice, C. J., Vreeswijk, P. M., Fruchter, A. S., Levan, A., Kouveliotou, C., Fynbo, J., Gorosabel, J., Tanvir, N. R., & Thorsett, S. E., *Astrophys. J.*, **633**, 29–40 (2005).
40. “On the Afterglow and Host Galaxy of GRB 021004: A Comprehensive Study with the *Hubble Space Telescope*” Fynbo, J. P. U., Gorosabel, J., Smette, Fruchter, A. S., Hjorth, J., Pedersen, K., Levan, A., Burud, I., Sahu, K., Vreeswijk, P. M., Bergeron, E., Kouveliotou, C., Tanvir, N., Thorsett, S. E., Wijers, R. A. M. J., Castro Cerón, J. M., Garnavich, P., Holland, S. T., Jakobsson, P., Møller, P. M., Nugent, P., Pian, E., Rhoads, J., Watson, D., Woosley, S., *Astrophys. J.*, **633**, 317–327 (2005).
41. “GRB 020410: A Gamma-Ray Burst Afterglow Discovered by its Supernova Light,” Levan, A., Nugent, P., Fruchter, A., Burud, I., Branch, D., Rhoads, J., Castro-Tirado, A. J., Gorosabel, J., Ceron, J. M. Castro, Thorsett, S. E., Kouveliotou, C., Golenetskii, S., Fynbo, J. P. U., Garnavich, P., Holland, S. T., Hjorth, J., Møller, P., Pian, E., Tanvir, N., Ulanov, M., Wijers, R. A. M. J., Woosley, S., *Astrophys. J.*, **624**, 880–888 (2005).
42. “A Deep Search with *HST* for Late-Time Supernova Signatures in the Hosts of XRF 011030 and XRF 020427,” Levan, A., Patel, S., Kouveliotou, C., Fruchter, A., Rhoads, J., Rol, E., Ramirez-Ruiz, E., Gorosabel, J., Hjorth, J., Wijers, R., Wood Vasey, M., Bersier, D., Castro-Tirado, A., Fynbo, J., Jensen, B., Pian, E., Tanvir, N., Thorsett, S., and Woosley, S., *Astrophys. J.*, **622**, 977–985 (2005)
43. “Studies of the Relativistic Binary Pulsar PSR B1534+12. II. Origin and Evolution” Thorsett, S. E., Dewey, R. J., and Stairs, I. H., *Astrophys. J.*, **619**, 1036–1045 (2005).
44. “Measurement of Gravitational Spin-Orbit Coupling in a Binary Pulsar System,” Stairs, I. H., Thorsett, S. E., and Arzoumanian, Z.,

- Phys. Rev. Lett.*, **93**, 141101 (1 Oct 2004).
45. “Proper Motion Measurements with the VLA. II. Observations of Twenty-Eight Pulsars,” Brisken, W. F., Fruchter, A. S., Goss, W. M., Herrnstein, R. S., and Thorsett, S. E., *Astron. J.*, **126**, 3090–3098 (2003).
  46. “The Distance and Radius of the Neutron Star PSR B0656+14,” Brisken, W. F., Thorsett, S. E., Golden, A., and Goss, W. M., *Astrophys. J. Lett.*, **593**, L89–92 (2003).
  47. “Pulsar PSR B0656+14, the Monogem Ring, and the Origin of the ‘Knee’ in the Primary Cosmic Ray Spectrum,” Thorsett, S. E., Benjamin, R. A., Brisken, W. F., Golden, A., and Goss, W. M., *Astrophys. J. Lett.*, **592**, L71–73 (2003).
  48. “A Young White Dwarf Companion to Pulsar B1620–26: Evidence for Early Planet Formation,” Sigurdsson, S., Richer, H. B., Hansen, B. M., Stairs, I. H., and Thorsett, S. E., *Science*, **301**, 193–196 (2003).
  49. “Studies of the Relativistic Binary Pulsar PSR B1534+12: I. Timing Analysis,” Stairs, I. H., Thorsett, S. E., Taylor, J. H., and Wolszczan, A., *Astrophys. J.* **581**, 501–508 (2002).
  50. “Decapitating the Duck: The (non)association of PSR B1757–24 and the supernova remnant G5.4–1.2,” Thorsett, S. E., Brisken, W. F., and Goss, W. M., *Astrophys. J. Lett.* **573**, L111–114 (2002).
  51. “VLBA Measurement of Nine Pulsar Parallaxes,” Brisken, W. F., Benson, J. M., Goss, W. M., and Thorsett, S. E., *Astrophys. J.* **571**, 906–917 (2002).
  52. “*Hubble Space Telescope* STIS Observations of GRB 000301C: CCD Imaging and Near-Ultraviolet MAMA Spectroscopy,” Smette, A., Fruchter, A. S., Gull, T. R., Sahu, K. C., Petro, L., Ferguson, H., Rhoads, J., Lindler, D. L., Gibbons, R., Hogg, D. W., Kouveliotou, C., Livio, M., Macchetto, D., Metzger, M. R., Pedersen, H., Pian, E., Thorsett, S. E., Wijers, R., Fynbo, J. P. U., Gorosabel, J., Hjorth, J., Jensen, B. L., Levine, A., Smith, D. A., Cline, T., Hurley, K., and Trombka, J., *Astrophys. J.* **556**, 70–76 (2001).
  53. “Proper Motion Measurements with the VLA: I. Pulse Gating Techniques,” McGary, R. S., Brisken, W. F., Fruchter, A. S., Goss, W. M., and Thorsett, S. E., *Astronomical J.*, **121**, 1192–1198 (2001).
  54. “*HST* Observations of the Host Galaxy of GRB 970508,” Fruchter, A. S., Pian, E., Gibbons, R., Thorsett, S. E., Ferguson, H., Livio, M., Petro, L., Caraveo, P., Frontera, F., Kouveliotou, C., Macchetto, D., Palazzi, E., Pedersen, H., Sahu, K., Tavani, M., van Paradijs, J., *Astrophys. J.*, **545**, 664–669 (2000).
  55. “Measurement of the Parallax of PSR B0950+08 Using the VLBA,” Brisken, W. F., Benson, J. M., Beasley, A. J., Fomalont, E. B., Goss, W. M., and Thorsett, S. E., *Astrophys. J.*, **541**, 959–962 (2000).
  56. “Multifrequency Observations of Giant Radio Pulses from the Millisecond Pulsar B1937+21,” Kinkhabwala, A., and Thorsett, S. E.,



- Astrophys. J.*, **535**, 365-372 (2000).
57. “A Baseband Recorder for Radio Pulsar Observations,”  
Stairs, I. H., Splaver, E. M., Thorsett, S. E., Nice, D. J., and Taylor, J. H.,  
*Mon. Not. Roy. Astr. Soc.*, **314**, 459-467 (2000).
  58. “The Triple Pulsar System PSR B1620–26 in M4,”  
Thorsett, S. E., Arzoumanian, Z., Camilo, F., and Lyne, A. G.,  
*Astrophys. J.* **524**, 763-770 (1999).
  59. “*HST* and Palomar Imaging of GRB 990123: Implications for the Nature of Gamma-Ray Bursts and their Hosts,” Fruchter, A. S., Thorsett, S. E., Metzger, M., Sahu, K. C., Petro, L., Livio, M., Ferguson, H., Pian, E., Hogg, D. W., Galama, T., Gull, T. R., Kouveliotou, C., Macchetto, D., van Paradijs, J., Pedersen, H., Smette, A.,  
*Astrophys. J. Lett.*, **519**, L13-L16 (1999).
  60. “Coherently-Dedispersed Polarimetry of Millisecond Pulsars,”  
Stairs, I. H., Thorsett, S. E., and Camilo, F.,  
*Astrophys. J. Suppl. Ser.*, **123**, 627-638 (1999).
  61. “The Fading Optical Counterpart of GRB 970228, Six Months and One Year Later,”  
Fruchter, A. S., Pian, E., Thorsett, S. E., Bergeron, E., Gonzales, R., Metzger, M., Goudfrooij, P., Sahu, K. C., Ferguson, H., Livio, M., Mutchler, M., Petro, L., Frontera, F., Galama, T., Groot, P., Hook, R., Kouveliotou, C., Macchetto, D., van Paradijs, J., Palazzi, E., Pedersen, H., Sparks, W., and Tavani, M.,  
*Astrophys. J.*, **516**, 683-692 (1999).
  62. “Neutron Star Mass Measurements. I. Radio Pulsars,” Thorsett, S. E., and Chakrabarty, D.,  
*Astrophys. J.*, **512**, 288-299 (1999).
  63. “Gamma-Ray Bursts and the Cosmic Star Formation Rate,”  
Krumholz, M., Thorsett, S. E., and Harrison, F. A.,  
*Astrophys. J. Lett.*, **506**, L81-L84 (1998).
  64. “Measurement of Relativistic Orbital Decay in the PSR B1534+12 Binary System,”  
Stairs, I. H., Arzoumanian, Z., Camilo, F., Lyne, A. G., Nice, D. J., Taylor, J. H., Thorsett, S. E., and Wolszczan, A.,  
*Astrophys. J.*, **505**, 352-357 (1998).
  65. “*Hubble Space Telescope* Imaging of the Optical Transient Associated with GRB 970508,”  
Pian, E., Fruchter, A. S., Bergeron, L. E., Thorsett, S. E., Frontera, F., Tavani, M., Costa, E., Feroci, M., Halpern, J., Lucas, R. A., Nicastro, L., Palazzi, E., Piro, L., Sparks, W., Castro-Tirado, A. J., Gull, T., Hurley, K., and Pedersen, H.,  
*Astrophys. J. Lett.*, **492**, L103-L106 (1998).
  66. “The Gravitational Constant, the Chandrasekhar Limit, and Neutron Star Masses,”  
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