



## Roger Romani

Professor of Physics

---

### Bio

#### ACADEMIC APPOINTMENTS

- Professor, Physics

---

### Teaching

#### COURSES

##### 2025-26

- Introduction to Stellar and Galactic Astrophysics: PHYSICS 160, PHYSICS 260 (Win)
- The Origin and Development of the Cosmos: PHYSICS 16 (Spr)

##### 2024-25

- Introduction to Stellar and Galactic Astrophysics: PHYSICS 160, PHYSICS 260 (Win)
- The Origin and Development of the Cosmos: PHYSICS 16 (Spr)

##### 2023-24

- Introduction to Stellar and Galactic Astrophysics: PHYSICS 160, PHYSICS 260 (Win)
- The Origin and Development of the Cosmos: PHYSICS 16 (Spr)

##### 2022-23

- Introduction to Cosmology and Extragalactic Astrophysics: PHYSICS 161, PHYSICS 261 (Spr)
- Modern Astrophysics: PHYSICS 360 (Aut)

#### STANFORD ADVISEES

##### Doctoral Dissertation Reader (AC)

Bahrudin Trbalic

##### Doctoral Dissertation Advisor (AC)

Maya Beleznyay, Jack Dinsmore, Andrew Sullivan, Josephine Wong

##### Doctoral (Program)

Maya Beleznyay, Brianna Cantrall, Hannah Magoon, Karna Morey, Pamela Stark, Sam Young

## Publications

---

### PUBLICATIONS

- **The Bow Shock and Kinematics of PSR J1959+2048** *ASTROPHYSICAL JOURNAL*  
Romani, R. W., Deller, A., Guillemot, L., Ding, H., de Vries, M., Parker, C., Zavala, R. T., Chalumeau, A., Cognard, I.  
2022; 930 (2)
- **Testing High-energy Emission Models for Blazars with X-Ray Polarimetry** *ASTROPHYSICAL JOURNAL*  
Peirson, A. L., Liodakis, I., Romani, R. W.  
2022; 931 (1)
- **The Long Filament of PSR J2030+4415** *ASTROPHYSICAL JOURNAL*  
de Vries, M., Romani, R. W.  
2022; 928 (1)
- **Toward Optimal Signal Extraction for Imaging X-Ray Polarimetry** *ASTROPHYSICAL JOURNAL*  
Peirson, A. L., Romani, R. W.  
2021; 920 (1)
- **XMM-Newton Observes the Intrabinary Shock of PSR J1959+2048** *ASTROPHYSICAL JOURNAL LETTERS*  
Kandel, D., Romani, R. W., An, H.  
2021; 917 (1)
- **A polarized view of the hot and violent universe** *EXPERIMENTAL ASTRONOMY*  
Soffitta, P., Bucciantini, N., Churazov, E., Costa, E., Dovciak, M., Feng, H., Heyl, J., Ingram, A., Jahoda, K., Kaaret, P., Kallman, T., Karas, V., Khabibullin, et al  
2021
- **PSR J1810+1744: Companion Darkening and a Precise High Neutron Star Mass** *ASTROPHYSICAL JOURNAL LETTERS*  
Romani, R. W., Kandel, D., Filippenko, A. V., Brink, T. G., Zheng, W.  
2021; 908 (2)
- **PSR J1709-4429's Proper Motion and Its Relationship to SNR G343.1-2.3** *ASTROPHYSICAL JOURNAL*  
de Vries, M., Romani, R. W., Kargaltsev, O., Pavlov, G., Posselt, B., Slane, P., Bucciantini, N., Ng, C. Y., Klingler, N.  
2021; 908 (1)
- **The Imaging X-ray Polarimetry Explorer (IXPE): technical overview III**  
Soffitta, P., Attina, P., Baldini, L., Barbanera, M., Baumgartner, W. H., Bellazzini, R., Bladt, J., Bongiorno, S. D., Brez, A., Castellano, S., Carpentiero, R., Castronuovo, M., Cavalli, et al  
edited by DenHerder, J. W., Nikzad, S., Nakazawa, K.  
SPIE-INT SOC OPTICAL ENGINEERING.2021
- **The Imaging X-Ray Polarimetry Explorer (IXPE): Technical Overview IV**  
Ramsey, B. D., Attina, P., Baldini, L., Barbanera, M., Baumgartner, W. H., Bellazzini, R., Bladt, J., Bongiorno, S. D., Brez, A., Castellano, S., Carpentiero, R., Castronuovo, M., Cavalli, et al  
edited by Siegmund, O. H.  
SPIE-INT SOC OPTICAL ENGINEERING.2021
- **X-Ray Constraints on the Spectral Energy Distribution of the z=5.18 Blazar SDSS J013127.34-032100.1** *ASTROPHYSICAL JOURNAL*  
An, H., Romani, R. W.  
2020; 904 (1)
- **Heated Poles on the Companion of Redback PSR J2339-0533** *ASTROPHYSICAL JOURNAL*  
Kandel, D., Romani, R. W., Filippenko, A., Brink, T. G., Zheng, W.  
2020; 903 (1)
- **Orbital Modulation of Gamma Rays from PSR J2339-0533** *ASTROPHYSICAL JOURNAL*  
An, H., Romani, R. W., Kerr, M., Fermi-LAT Collaboration

2020; 897 (1)

- **PSR J2030+4415's Remarkable Bow Shock, PWN, and Filament** *ASTROPHYSICAL JOURNAL LETTERS*  
de Vries, M., Romani, R. W.  
2020; 896 (1)
- **Atmospheric Circulation on Black Widow Companions** *ASTROPHYSICAL JOURNAL*  
Kandel, D., Romani, R. W.  
2020; 892 (2)
- **The Polarization Behavior of Relativistic Synchrotron Self-Compton Jets** *ASTROPHYSICAL JOURNAL*  
Peirson, A. L., Romani, R. W.  
2019; 885 (1)
- **Multiband Optical Light Curves of Black-widow Pulsars** *ASTROPHYSICAL JOURNAL*  
Draghis, P., Romani, R. W., Filippenko, A. V., Brink, T. G., Zheng, W., Halpern, J. P., Camilo, F.  
2019; 883 (1)
- **Prospects for Detecting X-Ray Polarization in Blazar Jets** *ASTROPHYSICAL JOURNAL*  
Liodakis, I., Peirson, A. L., Romani, R. W.  
2019; 880 (1)
- **Probing Blazar Emission Processes with Optical/Gamma-Ray Flare Correlations** *ASTROPHYSICAL JOURNAL*  
Liodakis, I., Romani, R. W., Filippenko, A., Kocevski, D., Zheng, W.  
2019; 880 (1)
- **The Synchrotron Emission Pattern of Intra-binary Shocks** *ASTROPHYSICAL JOURNAL*  
Kandel, D., Romani, R. W., An, H.  
2019; 879 (2)
- **The Imaging X-ray Polarimetry Explorer (IXPE): technical overview II**  
O'Dell, S. L., Attina, P., Baldini, L., Barbanera, M., Baumgartner, W. H., Bellazzini, R., Bladt, J., Bongiorno, S. D., Brez, A., Cavazzuti, E., Citraro, S., Costa, E., Deining, et al  
edited by Siegmund, O. H.  
SPIE-INT SOC OPTICAL ENGINEERING.2019
- **Signatures of Intra-binary Shock Emission in the Black Widow Pulsar Binary PSR J2241-5236** *ASTROPHYSICAL JOURNAL LETTERS*  
An, H., Romani, R. W., Kerr, M.  
2018; 868 (1)
- **PSR J0636+5128: A Heated Companion in a Tight Orbit** *ASTROPHYSICAL JOURNAL LETTERS*  
Draghis, P., Romani, R. W.  
2018; 862 (1)
- **The Data Release of the Sloan Digital Sky Survey-II Supernova Survey** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC*  
Sako, M., Bassett, B., Becker, A. C., Brown, P. J., Campbell, H., Wolf, R., Cinabro, D., D'Andrea, C. B., Dawson, K. S., DeJongh, F., Depoy, D. L., Dilday, B., Doi, et al  
2018; 130 (988)
- **SED Constraints on the Highest-z Blazar Jet: QSO J0906+6930** *ASTROPHYSICAL JOURNAL*  
An, H., Romani, R. W.  
2018; 856 (2)
- **Einstein@Home discovers a radio-quiet gamma-ray millisecond pulsar** *SCIENCE ADVANCES*  
Clark, C. J., Pletsch, H. J., Wu, J., Guillemot, L., Kerr, M., Johnson, T. J., Camilo, F., Salvetti, D., Allen, B., Anderson, D., Aulbert, C., Beer, C., Bock, et al  
2018; 4 (2)
- **Einstein@Home discovers a radio-quiet gamma-ray millisecond pulsar.** *Science advances*  
Clark, C. J., Pletsch, H. J., Wu, J., Guillemot, L., Kerr, M., Johnson, T. J., Camilo, F., Salvetti, D., Allen, B., Anderson, D., Aulbert, C., Beer, C., Bock, et al

2018; 4 (2): eaa07228

- **The Imaging X-ray Polarimetry Explorer (IXPE): technical overview**  
O'Dell, S. L., Baldini, L., Bellazzini, R., Costa, E., Elsner, R. F., Kaspi, V. M., Kolodziejczak, J. J., Latronico, L., Marshall, H. L., Matt, G., Muleri, F., Ramsey, B. D., Romani, et al  
edited by DenHerder, J. W., Nikzad, S., Nakazawa, K.  
SPIE-INT SOC OPTICAL ENGINEERING.2018
- **The Asymmetric Bow Shock/Pulsar Wind Nebula of PSR J2124-3358** *ASTROPHYSICAL JOURNAL*  
Romani, R. W., Slane, P., Green, A. W.  
2017; 851 (1)
- **Light Curve and SED Modeling of the Gamma-Ray Binary 1FGL J1018.6-5856: Constraints on the Orbital Geometry and Relativistic Flow** *ASTROPHYSICAL JOURNAL*  
An, H., Romani, R. W.  
2017; 838 (2)
- **GEMINGA'S PUZZLING PULSAR WIND NEBULA** *ASTROPHYSICAL JOURNAL*  
Posselt, B., Pavlov, G. G., Slane, P. O., Romani, R., Bucciantini, N., Bykov, A. M., Kargaltsev, O., Weisskopf, M. C., Ng, C.  
2017; 835 (1)
- **DEEP CHANDRA OBSERVATIONS OF THE PULSAR WIND NEBULA CREATED BY PSR B0355+54** *ASTROPHYSICAL JOURNAL*  
Klingler, N., Rangelov, B., Kargaltsev, O., Pavlov, G. G., Romani, R. W., Posselt, B., Slane, P., Temim, T., Ng, C., Bucciantini, N., Bykov, A., Swartz, D. A., Buehler, et al  
2016; 833 (2)
- **PSR J1301+0833: A KINEMATIC STUDY OF A BLACK-WIDOW PULSAR** *ASTROPHYSICAL JOURNAL*  
Romani, R. W., Graham, M. L., Filippenko, A. V., Zheng, W.  
2016; 833 (2)
- **INTRA-BINARY SHOCK HEATING OF BLACK WIDOW COMPANIONS** *ASTROPHYSICAL JOURNAL*  
Romani, R. W., Sanchez, N.  
2016; 828 (1)
- **BINARY BLACK HOLES, GAS SLOSHING, AND COLD FRONTS IN THE X-RAY HALO HOSTING 4C+37.11** *ASTROPHYSICAL JOURNAL*  
Andrade-Santos, F., Bogdan, A., Romani, R. W., Forman, W. R., Jones, C., Murray, S. S., Taylor, G. B., Zavala, R. T.  
2016; 826 (1)
- **Compact symmetric objects and supermassive binary black holes in the VLBA Imaging and Polarimetry Survey** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Tremblay, S. E., Taylor, G. B., Ortiz, A. A., Tremblay, C. D., Helmboldt, J. F., Romani, R. W.  
2016; 459 (1): 820-840
- **The Imaging X-ray Polarimetry Explorer (IXPE)** *RESULTS IN PHYSICS*  
Weisskopf, M. C., Ramsey, B., O'Dell, S. L., Tennant, A., Elsner, R., Soffita, P., Bellazzini, R., Costa, E., Kolodziejczak, J., Kaspi, V., Muleri, F., Marshall, H., Matt, et al  
2016; 6: 1179-1180
- **A LIKELY MILLISECOND PULSAR BINARY COUNTERPART FOR FERMI SOURCE 2FGL J2039.6-5620** *ASTROPHYSICAL JOURNAL LETTERS*  
Romani, R. W.  
2015; 812 (2)
- **CHARACTERIZATION OF THE INNER KNOT OF THE CRAB: THE SITE OF THE GAMMA-RAY FLARES?** *ASTROPHYSICAL JOURNAL*  
Rudy, A., Horns, D., Deluca, A., Kolodziejczak, J., Tennant, A., Yuan, Y., Buehler, R., Arons, J., Blandford, R., Caraveo, P., Costa, E., Funk, S., Hays, et al  
2015; 811 (1)
- **KECK SPECTROSCOPY OF MILLISECOND PULSAR J2215+5135: A MODERATE- M-NS, HIGH-INCLINATION BINARY** *ASTROPHYSICAL JOURNAL LETTERS*  
Romani, R. W., Graham, M. L., Filippenko, A. V., Kerr, M.

- 2015; 809 (1)
- **ECHELLE SPECTROSCOPY OF gamma-RAY BINARY 1FGL J1018.6-5856** *ASTROPHYSICAL JOURNAL*  
Waisberg, I. R., Romani, R. W.  
2015; 805 (1)
  - **A SPECTROSCOPIC STUDY OF THE EXTREME BLACK WIDOW PSR J1311-3430** *ASTROPHYSICAL JOURNAL*  
Romani, R. W., Filippenko, A. V., Cenko, S. B.  
2015; 804 (2)
  - **X-RAY ANALYSIS OF THE PROPER MOTION AND PULSAR WIND NEBULA FOR PSR J1741-2054** *ASTROPHYSICAL JOURNAL*  
Auchettl, K., Slane, P., Romani, R. W., Posselt, B., Pavlov, G. G., Kargaltsev, O., Ng, C., Temim, T., Weisskopf, M. C., Bykov, A., Swartz, D. A.  
2015; 802 (1)
  - **THE ORIGIN OF THE EXTRAGALACTIC GAMMA-RAY BACKGROUND AND IMPLICATIONS FOR DARK MATTER ANNIHILATION** *ASTROPHYSICAL JOURNAL LETTERS*  
Ajello, M., Gasparrini, D., Sanchez-Conde, M., Zaharijas, G., Gustafsson, M., Cohen-Tanugi, J., Dermer, C. D., Inoue, Y., Hartmann, D., Ackermann, M., Bechtol, K., Franckowiak, A., Reimer, et al  
2015; 800 (2)
  - **TEMPORAL CORRELATIONS BETWEEN OPTICAL AND GAMMA-RAY ACTIVITY IN BLAZARS** *ASTROPHYSICAL JOURNAL*  
Cohen, D. P., Romani, R. W., Filippenko, A. V., Cenko, S. B., Lott, B., Zheng, W., Li, W.  
2014; 797 (2)
  - **Time correlation between the radio and gamma-ray activity in blazars and the production site of the gamma-ray emission** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Max-Moerbeck, W., Hovatta, T., Richards, J. L., KING, O. G., Pearson, T. J., Readhead, A. C., Reeves, R., Shepherd, M. C., Stevenson, M. A., Angelakis, E., Fuhrmann, L., Grainge, K. J., Pavlidou, et al  
2014; 445 (1): 428-436
  - **2FGL J1653.6-0159: A NEW LOW IN EVAPORATING PULSAR BINARY PERIODS** *ASTROPHYSICAL JOURNAL LETTERS*  
Romani, R. W., Filippenko, A. V., Cenko, S. B.  
2014; 793 (1)
  - **Two active states of the narrow-line gamma-ray-loud AGN GB 1310+487** *ASTRONOMY & ASTROPHYSICS*  
Sokolovsky, K. V., Schinzel, F. K., Tanaka, Y. T., Abolmasov, P. K., Angelakis, E., Bulgarelli, A., Carrasco, L., Cenko, S. B., Cheung, C. C., Clubb, K. I., D'Ammando, F., ESCANDE, L., Fegan, et al  
2014; 565
  - **Astronomy. Pulsar beams--big and bright.** *Science*  
Romani, R. W.  
2014; 344 (6180): 159-160
  - **A SURVEY FOR H alpha PULSAR BOW SHOCKS** *ASTROPHYSICAL JOURNAL*  
Brownsberger, S., Romani, R. W.  
2014; 784 (2)
  - **IMAGING REDSHIFT ESTIMATES FOR FERMI BL LAC OBJECTS** *ASTROPHYSICAL JOURNAL*  
Stadnik, M., Romani, R. W.  
2014; 784 (2)
  - **A MULTI-WAVELENGTH STUDY OF THE HOST ENVIRONMENT OF SMBHB 4C+37.11** *ASTROPHYSICAL JOURNAL*  
Romani, R. W., Forman, W. R., Jones, C., Murray, S. S., Readhead, A. C., Taylor, G. B., Zavala, R. T.  
2014; 780 (2)
  - **THE COSMIC EVOLUTION OF FERMI BL LACERTAE OBJECTS** *ASTROPHYSICAL JOURNAL*  
Ajello, M., Romani, R. W., Gasparrini, D., Shaw, M. S., BOLMER, J., Cotter, G., Finke, J., Greiner, J., Healey, S. E., King, O., Max-Moerbeck, W., Michelson, P. F., Potter, et al  
2014; 780 (1)
  - **BROADBAND PULSATIONS FROM PSR B1821-24: IMPLICATIONS FOR EMISSION MODELS AND THE PULSAR POPULATION OF M28** *ASTROPHYSICAL JOURNAL*

- Johnson, T. J., Guillemot, L., Kerr, M., Cognard, I., Ray, P. S., Wolff, M. T., Begin, S., Janssen, G. H., Romani, R. W., Venter, C., Grove, J. E., Freire, P. C., Wood, et al  
2013; 778 (2)
- **PSR J2021+4026 IN THE GAMMA CYGNI REGION: THE FIRST VARIABLE gamma-RAY PULSAR SEEN BY THE Fermi LAT** *ASTROPHYSICAL JOURNAL LETTERS*  
Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bellazzini, R., Bonamente, E., Bottacini, E., Brandt, T. J., Bregeon, J., Bruel, P., Buehler, et al  
2013; 777 (1)
  - **PHOTOMETRICALLY TRIGGERED KECK SPECTROSCOPY OF FERMI BL LACERTAE OBJECTS** *ASTRONOMICAL JOURNAL*  
Shaw, M. S., Filippenko, A. V., Romani, R. W., Cenko, S. B., Li, W.  
2013; 146 (5)
  - **Search for gamma-ray spectral lines with the Fermi Large Area Telescope and dark matter implications** *PHYSICAL REVIEW D*  
Ackermann, M., Ajello, M., Albert, A., Allafort, A., Baldini, L., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bissaldi, E., Bloom, E. D., Bonamente, E., Bottacini, et al  
2013; 88 (8)
  - **THE VELA-X PULSAR WIND NEBULA REVISITED WITH FOUR YEARS OF FERMI LARGE AREA TELESCOPE OBSERVATIONS** *ASTROPHYSICAL JOURNAL*  
Grondin, M., Romani, R. W., Lemoine-Goumard, M., Guillemot, L., Harding, A. K., Reposeur, T.  
2013; 774 (2)
  - **GMRT DISCOVERY OF PSR J1544+4937: AN ECLIPSING BLACK-WIDOW PULSAR IDENTIFIED WITH A FERMI-LAT SOURCE** *ASTROPHYSICAL JOURNAL LETTERS*  
Bhattacharyya, B., Roy, J., Ray, P. S., Gupta, Y., Bhattacharya, D., Romani, R. W., Ransom, S. M., Ferrara, E. C., Wolff, M. T., Camilo, F., Cognard, I., Harding, A. K., den Hartog, et al  
2013; 773 (1)
  - **FERMI LAT PULSED DETECTION OF PSR J0737-3039A IN THE DOUBLE PULSAR SYSTEM** *ASTROPHYSICAL JOURNAL*  
Guillemot, L., Kramer, M., Johnson, T. J., Craig, H. A., Romani, R. W., Venter, C., Harding, A. K., Ferdman, R. D., Stairs, I. H., Kerr, M.  
2013; 768 (2)
  - **CHANDRA, KECK, AND VLA OBSERVATIONS OF THE CRAB NEBULA DURING THE 2011-APRIL GAMMA-RAY FLARE** *ASTROPHYSICAL JOURNAL*  
Weisskopf, M. C., Tennant, A. F., Arons, J., Blandford, R., Buehler, R., Caraveo, P., Cheung, C. C., Costa, E., De Luca, A., Ferrigno, C., Fu, H., Funk, S., Habermehl, et al  
2013; 765 (1)
  - **SPECTROSCOPY OF THE LARGEST EVER gamma-RAY-SELECTED BL LAC SAMPLE** *ASTROPHYSICAL JOURNAL*  
Shaw, M. S., Romani, R. W., Cotter, G., Healey, S. E., Michelson, P. F., Readhead, A. C., Richards, J. L., Max-Moerbeck, W., King, O. G., Potter, W. J.  
2013; 764 (2)
  - **RADIO DETECTION OF THE FERMI-LAT BLIND SEARCH MILLISECOND PULSAR J1311-3430** *ASTROPHYSICAL JOURNAL LETTERS*  
Ray, P. S., Ransom, S. M., Cheung, C. C., Giroletti, M., Cognard, I., Camilo, F., Bhattacharyya, B., Roy, J., Romani, R. W., Ferrara, E. C., Guillemot, L., Johnston, S., Keith, et al  
2013; 763 (1)
  - **Binary Millisecond Pulsar Discovery via Gamma-Ray Pulsations** *SCIENCE*  
Pletsch, H. J., Guillemot, L., Fehrmann, H., Allen, B., Kramer, M., Aulbert, C., Ackermann, M., Ajello, M., De Angelis, A., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, et al  
2012; 338 (6112): 1314-1317
  - **PSR J1311-3430: A HEAVYWEIGHT NEUTRON STAR WITH A FLYWEIGHT HELIUM COMPANION** *ASTROPHYSICAL JOURNAL LETTERS*  
Romani, R. W., Filippenko, A. V., Silverman, J. M., Cenko, S. B., Greiner, J., Rau, A., Elliott, J., Pletsch, H. J.  
2012; 760 (2)
  - **ALTITUDE LIMITS FOR ROTATING VECTOR MODEL FITTING OF PULSAR POLARIZATION** *ASTROPHYSICAL JOURNAL*  
Craig, H. A., Romani, R. W.

2012; 755 (2)

● **A CHANDRA PROPER MOTION FOR PSR J1809-2332** *ASTROPHYSICAL JOURNAL*

Van Etten, A., Romani, R. W., Ng, C.

2012; 755 (2)

● **2FGL J1311.7-3429 JOINS THE BLACK WIDOW CLUB** *ASTROPHYSICAL JOURNAL LETTERS*

Romani, R. W.

2012; 754 (2)

● **ASSESSING THE SIGNIFICANCE OF APPARENT CORRELATIONS BETWEEN RADIO AND GAMMA-RAY BLAZAR FLUXES** *ASTROPHYSICAL JOURNAL*

Pavlidou, V., Richards, J. L., Max-Moerbeck, W., KING, O. G., Pearson, T. J., Readhead, A. C., Reeves, R., Stevenson, M. A., Angelakis, E., Fuhrmann, L., Zensus, J. A., Giroletti, M., Reimer, et al

2012; 751 (2)

● **THE LUMINOSITY FUNCTION OF FERMI-DETECTED FLAT-SPECTRUM RADIO QUASARS** *ASTROPHYSICAL JOURNAL*

Ajello, M., Shaw, M. S., Romani, R. W., Dermer, C. D., Costamante, L., KING, O. G., Max-Moerbeck, W., Readhead, A., Reimer, A., Richards, J. L., Stevenson, M.

2012; 751 (2)

● **GAMMA-RAY ACTIVITY IN THE CRAB NEBULA: THE EXCEPTIONAL FLARE OF 2011 APRIL** *ASTROPHYSICAL JOURNAL*

Buehler, R., Scargle, J. D., Blandford, R. D., Baldini, L., Baring, M. G., Belfiore, A., Charles, E., Chiang, J., D'Ammando, F., Dermer, C. D., Funk, S., Grove, J. E., Harding, et al

2012; 749 (1)

● **SPECTROSCOPY OF BROAD-LINE BLAZARS FROM 1LAC** *ASTROPHYSICAL JOURNAL*

Shaw, M. S., Romani, R. W., Cotter, G., Healey, S. E., Michelson, P. F., Readhead, A. C., Richards, J. L., Max-Moerbeck, W., King, O. G., Potter, W. J.

2012; 748 (1)

● **PSR J2030+3641: RADIO DISCOVERY AND GAMMA-RAY STUDY OF A MIDDLE-AGED PULSAR IN THE NOW IDENTIFIED FERMI-LAT SOURCE 1FGL J2030.0+3641** *ASTROPHYSICAL JOURNAL*

Camilo, F., Kerr, M., Ray, P. S., Ransom, S. M., Johnston, S., Romani, R. W., Parent, D., DeCesar, M. E., Harding, A. K., Donato, D., Parkinson, P. M., Ferrara, E. C., Freire, et al

2012; 746 (1)

● **Periodic Emission from the Gamma-Ray Binary 1FGL J1018.6-5856** *SCIENCE*

Ackermann, M., Ajello, M., Ballet, J., Barbiellini, G., Bastieri, D., Belfiore, A., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, E., Borgland, A. W., Bregeon, et al

2012; 335 (6065): 189-193

● **CONTEMPORANEOUS VLBA 5 GHz OBSERVATIONS OF LARGE AREA TELESCOPE DETECTED BLAZARS** *ASTROPHYSICAL JOURNAL*

Linford, J. D., Taylor, G. B., Romani, R. W., Helmboldt, J. F., Readhead, A. C., Reeves, R., Richards, J. L.

2012; 744 (2)

● **Measurement of Separate Cosmic-Ray Electron and Positron Spectra with the Fermi Large Area Telescope** *PHYSICAL REVIEW LETTERS*

Ackermann, M., Ajello, M., Allafort, A., Atwood, W. B., Baldini, L., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, et al

2012; 108 (1)

● **THE ORBIT AND COMPANION OF PROBABLE gamma-RAY PULSAR J2339-0533** *ASTROPHYSICAL JOURNAL LETTERS*

Romani, R. W., Shaw, M. S.

2011; 743 (2)

● **OBSERVATIONS OF ENERGETIC HIGH MAGNETIC FIELD PULSARS WITH THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*

Parent, D., Kerr, M., den Hartog, P. R., Baring, M. G., DeCesar, M. E., Espinoza, C. M., Gotthelf, E. V., Harding, A. K., Johnston, S., Kaspi, V. M., Livingstone, M., Romani, R. W., Stappers, et al

2011; 743 (2)

- **THE IDENTIFICATION OF THE X-RAY COUNTERPART TO PSR J2021+4026** *ASTROPHYSICAL JOURNAL*  
Weisskopf, M. C., Romani, R. W., Razzano, M., Belfiore, A., Parkinson, P. S., Ray, P. S., Kerr, M., Harding, A., Swartz, D. A., Carraminana, A., Ziegler, M., Becker, W., De Luca, et al  
2011; 743 (1)
- **MULTI-ZONE MODELING OF THE PULSAR WIND NEBULA HESS J1825-137** *ASTROPHYSICAL JOURNAL*  
Van Etten, A., Romani, R. W.  
2011; 742 (2)
- **Fermi Detection of a Luminous gamma-Ray Pulsar in a Globular Cluster** *SCIENCE*  
Freire, P. C., Abdo, A. A., Ajello, M., Allafort, A., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Blandford, R. D., Bloom, E. D., Bonamente, E., Borgland, et al  
2011; 334 (6059): 1107-1110
- **THE RADIO/GAMMA-RAY CONNECTION IN ACTIVE GALACTIC NUCLEI IN THE ERA OF THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*  
Ackermann, M., Ajello, M., Allafort, A., Angelakis, E., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, et al  
2011; 741 (1)
- **SUB-LUMINOUS gamma-RAY PULSARS** *ASTROPHYSICAL JOURNAL*  
Romani, R. W., Kerr, M., Craig, H. A., Johnston, S., Cognard, I., Smith, D. A.  
2011; 738 (1)
- **DETECTION OF THE PULSAR WIND NEBULA HESS J1825-137 WITH THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*  
Grondin, M., Funk, S., Lemoine-Goumard, M., Van Etten, A., Hinton, J. A., Camilo, F., Cognard, I., Espinoza, C. M., Freire, P. C., Grove, J. E., Guillemot, L., Johnston, S., Kramer, et al  
2011; 738 (1)
- **OBSERVATIONS OF THE YOUNG SUPERNOVA REMNANT RX J1713.7-3946 WITH THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, et al  
2011; 734 (1)
- **Discovery of millisecond pulsars in radio searches of southern Fermi Large Area Telescope sources** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Keith, M. J., Johnston, S., Ray, P. S., Ferrara, E. C., Parkinson, P. M., Celik, O., Belfiore, A., Donato, D., Cheung, C. C., Abdo, A. A., Camilo, F., Freire, P. C., Guillemot, et al  
2011; 414 (2): 1292-1300
- **BLAZARS IN THE FERMI ERA: THE OVRO 40 m TELESCOPE MONITORING PROGRAM** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*  
Richards, J. L., Max-Moerbeck, W., Pavlidou, V., King, O. G., Pearson, T. J., Readhead, A. C., Reeves, R., Shepherd, M. C., Stevenson, M. A., Weintraub, L. C., Fuhrmann, L., Angelakis, E., Zensus, et al  
2011; 194 (2)
- **PRECISE gamma-RAY TIMING AND RADIO OBSERVATIONS OF 17 FERMI gamma-RAY PULSARS** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*  
Ray, P. S., Kerr, M., Parent, D., Abdo, A. A., Guillemot, L., Ransom, S. M., Rea, N., Wolff, M. T., Makeev, A., Roberts, M. S., Camilo, F., Dormody, M., Freire, et al  
2011; 194 (2)
- **DISCOVERY OF TWO MILLISECOND PULSARS IN FERMI SOURCES WITH THE NANCAY RADIO TELESCOPE** *ASTROPHYSICAL JOURNAL*  
Cognard, I., Guillemot, L., Johnson, T. J., Smith, D. A., Venter, C., Harding, A. K., Wolff, M. T., Cheung, C. C., Donato, D., Abdo, A. A., Ballet, J., Camilo, F., Desvignes, et al  
2011; 732 (1)
- **THE FIRST FERMI LARGE AREA TELESCOPE CATALOG OF GAMMA-RAY PULSARS (vol 187, pg 460, 2010)** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*  
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, et al

2011; 193 (1)

- **RADIO AND gamma-RAY CONSTRAINTS ON THE EMISSION GEOMETRY AND BIRTHPLACE OF PSR J2043+2740** *ASTROPHYSICAL JOURNAL*  
Noutsos, A., Abdo, A. A., Ackermann, M., Ajello, M., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bonamente, E., Borgland, et al  
2011; 728 (2)
- **Gamma-Ray Flares from the Crab Nebula** *SCIENCE*  
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, et al  
2011; 331 (6018): 739-742
- **THE GALACTIC POPULATION OF YOUNG gamma-RAY PULSARS** *ASTROPHYSICAL JOURNAL*  
Watters, K. P., Romani, R. W.  
2011; 727 (2)
- **THREE MILLISECOND PULSARS IN FERMI LAT UNASSOCIATED BRIGHT SOURCES** *ASTROPHYSICAL JOURNAL LETTERS*  
Ransom, S. M., Ray, P. S., Camilo, F., Roberts, M. S., Celik, O., Wolff, M. T., Cheung, C. C., Kerr, M., Pennucci, T., DeCesar, M. E., Cognard, I., Lyne, A. G., Stappers, et al  
2011; 727 (1)
- **The Fermi LAT Pulsars** *Conference on Radio Pulsars - An Astrophysical Key to Unlock the Secrets of the Universe*  
Romani, R. W.  
AMER INST PHYSICS.2011: 205-212
- **PSRs J0248+6021 and J2240+5832: young pulsars in the northern Galactic plane** *Discovery, timing, and gamma-ray observations* *ASTRONOMY & ASTROPHYSICS*  
Theureau, G., Parent, D., Cognard, I., Desvignes, G., Smith, D. A., Casandjian, J. M., Cheung, C. C., Craig, H. A., Donato, D., Foster, R., Guillemot, L., Harding, A. K., Lestrade, et al  
2011; 525
- **CHARACTERISTICS OF GAMMA-RAY LOUD BLAZARS IN THE VLBA IMAGING AND POLARIMETRY SURVEY** *ASTROPHYSICAL JOURNAL*  
Linford, J. D., Taylor, G. B., Romani, R. W., Healey, S. E., Helmboldt, J. F., Readhead, A. C., Reeves, R., Richards, J. L., Cotter, G.  
2011; 726 (1)
- **THE BALMER-DOMINATED BOW SHOCK AND WIND NEBULA STRUCTURE OF gamma-RAY PULSAR PSR J1741-2054** *ASTROPHYSICAL JOURNAL*  
Romani, R. W., Shaw, M. S., Camilo, F., Cotter, G., Sivakoff, G. R.  
2010; 724 (2): 908-914
- **A population of gamma-ray emitting globular clusters seen with the Fermi Large Area Telescope** *ASTRONOMY & ASTROPHYSICS*  
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Blandford, R. D., Bloom, E. D., Bonamente, E., Borgland, A. W., Bouvier, et al  
2010; 524
- **EIGHT gamma-RAY PULSARS DISCOVERED IN BLIND FREQUENCY SEARCHES OF FERMI LAT DATA** *ASTROPHYSICAL JOURNAL*  
Parkinson, P. M., Dormody, M., Ziegler, M., Ray, P. S., Abdo, A. A., Ballet, J., Baring, M. G., Belfiore, A., Burnett, T. H., Caliandro, G. A., Camilo, F., Caraveo, P. A., De Luca, et al  
2010; 725 (1): 571-584
- **Fermi LAT observations of cosmic-ray electrons from 7 GeV to 1 TeV** *PHYSICAL REVIEW D*  
Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellardi, F., Bellazzini, R., Belli, F., Berenji, et al  
2010; 82 (9)
- **Fermi Large Area Telescope observations of Local Group galaxies: detection of M31 and search for M33** *ASTRONOMY & ASTROPHYSICS*  
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al  
2010; 523

- **FERMI LARGE AREA TELESCOPE OBSERVATION OF A GAMMA-RAY SOURCE AT THE POSITION OF ETA CARINAE** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bonamente, et al  
2010; 723 (1): 649-657
- **FERMI-LAT OBSERVATIONS OF THE GEMINGA PULSAR** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastier, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Bignami, G. F., Blandford, et al  
2010; 720 (1): 272-283
- **FERMI LARGE AREA TELESCOPE OBSERVATIONS OF GAMMA-RAY PULSARS PSR J1057-5226, J1709-4429, AND J1952+3252** *ASTROPHYSICAL JOURNAL*  
Ardo, A. A., Ajello, M., Antolini, E., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bonamente, E., Borgland, et al  
2010; 720 (1): 26-40
- **THE FERMI-LAT HIGH-LATITUDE SURVEY: SOURCE COUNT DISTRIBUTIONS AND THE ORIGIN OF THE EXTRAGALACTIC DIFFUSE BACKGROUND** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Ajello, M., Antolini, E., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al  
2010; 720 (1): 435-453
- **DISCOVERY OF A GeV BLAZAR SHINING THROUGH THE GALACTIC PLANE** *ASTROPHYSICAL JOURNAL LETTERS*  
Vandenbroucke, J., Buehler, R., Ajello, M., Bechtol, K., Bellini, A., Bolte, M., Cheung, C. C., Civano, F., Donato, D., Fuhrmann, L., Funk, S., Healey, S. E., Hill, et al  
2010; 718 (2): L166-L170
- **Fermi Gamma-Ray Imaging of a Radio Galaxy** *SCIENCE*  
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al  
2010; 328 (5979): 725-729
- **CONSTRAINING PULSAR MAGNETOSPHERE GEOMETRY WITH gamma-RAY LIGHT CURVES** *ASTROPHYSICAL JOURNAL*  
Romani, R. W., Watters, K. P.  
2010; 714 (1): 810-824
- **FERMI-LARGE AREA TELESCOPE OBSERVATIONS OF THE EXCEPTIONAL GAMMA-RAY OUTBURSTS OF 3C 273 IN 2009 SEPTEMBER** *ASTROPHYSICAL JOURNAL LETTERS*  
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, et al  
2010; 714 (1): L73-L78
- **DISCOVERY OF PULSED gamma-RAYS FROM PSR J0034-0534 WITH THE FERMI LARGE AREA TELESCOPE: A CASE FOR CO-LOCATED RADIO AND gamma-RAY EMISSION REGIONS** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, et al  
2010; 712 (2): 957-963
- **FERMI LARGE AREA TELESCOPE OBSERVATIONS OF PSR J1836+5925** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Ajello, M., ATWOOD, B., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Belfiore, A., Bellazzini, R., Berenji, et al  
2010; 712 (2): 1209-1218
- **J16021+3326: NEW MULTI-FREQUENCY OBSERVATIONS OF A COMPLEX SOURCE** *ASTROPHYSICAL JOURNAL*  
Tremblay, S. E., Taylor, G. B., Richards, J. L., Readhead, A. C., Helmboldt, J. F., Romani, R. W., Healey, S. E.  
2010; 712 (1): 159-163
- **IMAGING REDSHIFT ESTIMATES FOR BL LACERTAE OBJECTS** *ASTROPHYSICAL JOURNAL*  
Meisner, A. M., Romani, R. W.  
2010; 712 (1): 14-25

- **OBSERVATION OF SUPERNOVA REMNANT IC 443 WITH THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, et al  
2010; 712 (1): 459-468
- **THE EXTENDED X-RAY NEBULA OF PSR J1420-6048** *ASTROPHYSICAL JOURNAL*  
Van Etten, A., Romani, R. W.  
2010; 711 (2): 1168-1173
- **Gamma-Ray Emission from the Shell of Supernova Remnant W44 Revealed by the Fermi LAT** *SCIENCE*  
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al  
2010; 327 (5969): 1103-1106
- **SPECTRAL PROPERTIES OF BRIGHT FERMI-DETECTED BLAZARS IN THE GAMMA-RAY BAND** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al  
2010; 710 (2): 1271-1285
- **FERMI-LAT DISCOVERY OF GeV GAMMA-RAY EMISSION FROM THE YOUNG SUPERNOVA REMNANT CASSIOPEIA A** *ASTROPHYSICAL JOURNAL LETTERS*  
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, et al  
2010; 710 (1): L92-L97
- **PKS 1502+106: A NEW AND DISTANT GAMMA-RAY BLAZAR IN OUTBURST DISCOVERED BY THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, et al  
2010; 710 (1): 810-827
- **DETECTION OF GAMMA-RAY EMISSION FROM THE STARBURST GALAXIES M82 AND NGC 253 WITH THE LARGE AREA TELESCOPE ON FERMI** *ASTROPHYSICAL JOURNAL LETTERS*  
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, et al  
2010; 709 (2): L152-L157
- **FERMI LARGE AREA TELESCOPE OBSERVATIONS OF THE CRAB PULSAR AND NEBULA** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, et al  
2010; 708 (2): 1254-1267
- **FERMI OBSERVATIONS OF THE VERY HARD GAMMA-RAY BLAZAR PG 1553+113** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, et al  
2010; 708 (2): 1310-1320
- **GAMMA-RAY AND RADIO PROPERTIES OF SIX PULSARS DETECTED BY THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*  
Weltevrede, P., Abdo, A. A., Ackermann, M., Ajello, M., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, et al  
2010; 708 (2): 1426-1441
- **Modulated High-Energy Gamma-Ray Emission from the Microquasar Cygnus X-3** *SCIENCE*  
Abdo, A. A., Ackermann, M., Ajello, M., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al  
2009; 326 (5959): 1512-1516
- **FERMI LARGE AREA TELESCOPE GAMMA-RAY DETECTION OF THE RADIO GALAXY M87** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al

2009; 707 (1): 55-60

- **FERMI LARGE AREA TELESCOPE DETECTION OF PULSED gamma-RAYS FROM THE VELA-LIKE PULSARS PSR J1048-5832 AND PSR J2229+6114** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, et al  
2009; 706 (2): 1331-1340
- **FERMI LAT DISCOVERY OF EXTENDED GAMMA-RAY EMISSION IN THE DIRECTION OF SUPERNOVA REMNANT W51C** *ASTROPHYSICAL JOURNAL LETTERS*  
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al  
2009; 706 (1): L1-L6
- **FERMI/LAT OBSERVATIONS OF LS 5039** *ASTROPHYSICAL JOURNAL LETTERS*  
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, et al  
2009; 706 (1): L56-L61
- **RADIO DETECTION OF LAT PSRs J1741-2054 AND J2032+4127: NO LONGER JUST GAMMA-RAY PULSARS** *ASTROPHYSICAL JOURNAL*  
Camilo, F., Ray, P. S., Ransom, S. M., Burgay, M., Johnson, T. J., Kerr, M., Gotthelf, E. V., Halpern, J. P., Reynolds, J., Romani, R. W., Demorest, P., Johnston, S., van Straten, et al  
2009; 705 (1): 1-13
- **FIRST-YEAR SLOAN DIGITAL SKY SURVEY-II SUPERNOVA RESULTS: HUBBLE DIAGRAM AND COSMOLOGICAL PARAMETERS** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*  
Kessler, R., Becker, A. C., Cinabro, D., Vanderplas, J., Frieman, J. A., Marriner, J., Davis, T. M., Dilday, B., Holtzman, J., Jha, S. W., Lampeitl, H., Sako, M., Smith, et al  
2009; 185 (1): 32-84
- **OPTICAL SPECTROSCOPY OF BRIGHT FERMI LAT BLAZARS** *ASTROPHYSICAL JOURNAL*  
Shaw, M. S., Romani, R. W., Healey, S. E., Cotter, G., Michelson, P. F., Readhead, A. C.  
2009; 704 (1): 477-484
- **FILLING IN THE GAPS IN THE 4.85 GHz SKY** *ASTRONOMICAL JOURNAL*  
Healey, S. E., Fuhrmann, L., Taylor, G. B., Romani, R. W., Readhead, A. C.  
2009; 138 (4): 1032-1036
- **The on-orbit calibration of the Fermi Large Area Telescope** *ASTROPARTICLE PHYSICS*  
Abdo, A. A., Ackermann, M., Ajello, M., Ampe, J., Anderson, B., Atwood, W. B., Axelsson, M., Bagagli, R., Baldini, L., Ballet, J., Barbiellini, G., Bartelt, J., Bastieri, et al  
2009; 32 (3-4): 193-219
- **FERMI LAT OBSERVATIONS OF LS I+61 degrees 303: FIRST DETECTION OF AN ORBITAL MODULATION IN GeV GAMMA RAYS** *ASTROPHYSICAL JOURNAL LETTERS*  
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, et al  
2009; 701 (2): L123-L128
- **Detection of 16 Gamma-Ray Pulsars Through Blind Frequency Searches Using the Fermi LAT** *SCIENCE*  
Abdo, A. A., Ackermann, M., Ajello, M., Anderson, B., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, et al  
2009; 325 (5942): 840-844
- **A Population of Gamma-Ray Millisecond Pulsars Seen with the Fermi Large Area Telescope** *SCIENCE*  
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, et al  
2009; 325 (5942): 848-852
- **Detection of High-Energy Gamma-Ray Emission from the Globular Cluster 47 Tucanae with Fermi** *SCIENCE*  
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, et al

2009; 325 (5942): 845-848

- **PULSED GAMMA-RAYS FROM PSR J2021+3651 WITH THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Battelino, M., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, et al  
2009; 700 (2): 1059-1066
- **BRIGHT ACTIVE GALACTIC NUCLEI SOURCE LIST FROM THE FIRST THREE MONTHS OF THE FERMI LARGE AREA TELESCOPE ALL-SKY SURVEY** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Blandford, et al  
2009; 700 (1): 597-622
- **FERMI/LARGE AREA TELESCOPE DISCOVERY OF GAMMA-RAY EMISSION FROM A RELATIVISTIC JET IN THE NARROW-LINE QUASAR PMN J0948+0022** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Ajello, M., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Battelino, M., Baughman, B. M., Bechtol, K., Bellazzini, R., Bloom, et al  
2009; 699 (2): 976-984
- **DISCOVERY OF PULSATIONS FROM THE PULSAR J0205+6449 IN SNR 3C 58 WITH THE FERMI GAMMA-RAY SPACE TELESCOPE** *ASTROPHYSICAL JOURNAL LETTERS*  
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, et al  
2009; 699 (2): L102-L107
- **PULSED GAMMA RAYS FROM THE MILLISECOND PULSAR J0030+0451 WITH THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Battelino, M., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, et al  
2009; 699 (2): 1171-1177
- **FERMI DISCOVERY OF GAMMA-RAY EMISSION FROM NGC 1275** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Ajello, M., Asano, K., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Blandford, R. D., Bloom, et al  
2009; 699 (1): 31-39
- **FERMI/LARGE AREA TELESCOPE BRIGHT GAMMA-RAY SOURCE LIST** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*  
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Band, D. L., Barbiellini, G., Bastieri, D., Battelino, M., Baughman, B. M., Bechtol, et al  
2009; 183 (1): 46-66
- **THE LARGE AREA TELESCOPE ON THE FERMI GAMMA-RAY SPACE TELESCOPE MISSION** *ASTROPHYSICAL JOURNAL*  
Atwood, W. B., Abdo, A. A., Ackermann, M., Althouse, W., Anderson, B., Axelsson, M., Baldini, L., Ballet, J., Band, D. L., Barbiellini, G., Bartelt, J., Bastieri, D., Baughman, et al  
2009; 697 (2): 1071-1102
- **FERMI/LARGE AREA TELESCOPE DISCOVERY OF GAMMA-RAY EMISSION FROM THE FLAT-SPECTRUM RADIO QUASAR PKS 1454-354** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al  
2009; 697 (1): 934-941
- **FERMI LARGE AREA TELESCOPE OBSERVATIONS OF THE VELA PULSAR** *ASTROPHYSICAL JOURNAL*  
Abdo, A. A., Ackermann, M., Atwood, W. B., Bagagli, R., Baldini, L., Ballet, J., Band, D. L., Barbiellini, G., Baring, M. G., Bartelt, J., Bastieri, D., Baughman, B. M., Bechtol, et al  
2009; 696 (2): 1084-1093
- **Measurement of the Cosmic Ray  $e^{+}+e^{-}$  Spectrum from 20 GeV to 1 TeV with the Fermi Large Area Telescope** *PHYSICAL REVIEW LETTERS*  
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Battelino, M., Baughman, B. M., Bechtol, K., Bellazzini, et al  
2009; 102 (18)

- **AN ATLAS FOR INTERPRETING gamma-RAY PULSAR LIGHT CURVES** *ASTROPHYSICAL JOURNAL*  
Watters, K. P., Romani, R. W., Weltevrede, P., Johnston, S.  
2009; 695 (2): 1289-1301
- **DISCOVERY OF PULSED gamma-RAYS FROM THE YOUNG RADIO PULSAR PSR J1028-5819 WITH THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL LETTERS*  
Abdo, A. A., Ackermann, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, et al  
2009; 695 (1): L72-L77
- **SUZAKU OBSERVATIONS OF THE EXTREME MeV BLAZAR SWIFT J0746.3+2548** *ASTROPHYSICAL JOURNAL*  
Watanabe, S., Sato, R., Takahashi, T., Kataoka, J., Madejski, G., Sikora, M., Tavecchio, F., Sambruna, R., Romani, R., Edwards, P. G., Pursimo, T.  
2009; 694 (1): 294-301
- **Identifying Compact Symmetric Objects from the VLBA Imaging and Polarization Survey** *4th Workshop on Compact Steep Spectrum and Gigahertz-Peaked Spectrum Radio Sources*  
Tremblay, S. E., Taylor, G. B., Helmboldt, J. F., Fassnacht, C. D., Romani, R. W.  
WILEY-VCH VERLAG GMBH.2009: 206-9
- **The Advanced Gamma-ray Imaging System (AGIS) Telescope Optical System Designs** *HIGH ENERGY GAMMA-RAY ASTRONOMY*  
Bugaev, V., Buckley, J., Diegel, S., Falcone, A., Fegan, S., Finley, J., Guarino, V., Hanna, D., Kaaret, P., Konopelko, A., Krawczynski, H., Ramsey, B., Romani, et al  
2009; 1085: 834-?
- **The Advanced Gamma-ray Imaging System (AGIS) - Science Highlights** *HIGH ENERGY GAMMA-RAY ASTRONOMY*  
Buckley, J., Coppi, P., Digel, S., Funk, S., Krawczynski, H., Krennrich, F., Pohl, M., Romani, R., Vassiliev, V.  
2009; 1085: 902-?
- **THE SLOAN DIGITAL SKY SURVEY-II: PHOTOMETRY AND SUPERNOVA IA LIGHT CURVES FROM THE 2005 DATA** *ASTRONOMICAL JOURNAL*  
Holtzman, J. A., Marriner, J., Kessler, R., Sako, M., Dilday, B., Frieman, J. A., Schneider, D. P., Bassett, B., Becker, A., Cinabro, D., DeJongh, F., Depoy, D. L., Doi, et al  
2008; 136 (6): 2306-2320
- **Pulsar timing for the Fermi gamma-ray space telescope** *ASTRONOMY & ASTROPHYSICS*  
Smith, D. A., Guillemot, L., Camilo, F., Cognard, I., Dumora, D., ESPINOZA, C., Freire, P. C., Gotthelf, E. V., Harding, A. K., Hobbs, G. B., Johnston, S., Kaspi, V. M., Kramer, et al  
2008; 492 (3): 923-931
- **The Fermi Gamma-Ray Space Telescope Discovers the Pulsar in the Young Galactic Supernova Remnant CTA 1** *SCIENCE*  
Abdo, A. A., Ackermann, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al  
2008; 322 (5905): 1218-1221
- **A measurement of the rate of Type Ia supernovae at redshift z approximate to 0.1 from the first season of the SDSS-II Supernova Survey** *ASTROPHYSICAL JOURNAL*  
Dilday, B., Kessler, R., Frieman, J. A., Holtzman, J., Marriner, J., Miknaitis, G., Nichol, R. C., Romani, R., Sako, M., Bassett, B., Becker, A., Cinabro, D., DeJongh, et al  
2008; 682 (1): 262-282
- **Rings and jets around PSR J2021+3651: The "Dragonfly Nebula"** *ASTROPHYSICAL JOURNAL*  
Van Etten, A., Romani, R. W., Ng, C.  
2008; 680 (2): 1417-1425
- **First-year spectroscopy for the Sloan Digital Sky Survey-II supernova survey** *ASTRONOMICAL JOURNAL*  
Zheng, C., Romani, R. W., Sako, M., Marriner, J., Bassett, B., Becker, A., Choi, C., Cinabro, D., DeJongh, F., Depoy, D. L., Dilday, B., Doi, M., Frieman, et al  
2008; 135 (5): 1766-1784
- **CGRaBS: An all-sky survey of gamma-ray blazar candidates** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*  
Healey, S. E., Romani, R. W., Cotter, G., Michelson, P. F., Schlafly, E. F., Readhead, A. C., Giommi, P., Chaty, S., Grenier, I. A., Weintraub, L. C.

2008; 175 (1): 97-104

- **Fitting pulsar wind tori. II. Error analysis and applications** *ASTROPHYSICAL JOURNAL*  
Ng, C., Romani, R. W.  
2008; 673 (1): 411-417
- **The Sloan Digital Sky Survey-II Supernova Survey: Search algorithm and follow-up observations** *ASTRONOMICAL JOURNAL*  
Sako, M., Bassett, B., Becker, A., Cinabro, D., DeJongh, F., DePoy, D. L., Dilday, B., Doi, M., Frieman, J. A., Garnavich, P. M., Hogan, C. J., Holtzman, J., Jha, et al  
2008; 135 (1): 348-373
- **The Sloan Digital Sky Survey-II Supernova Survey: Technical summary** *ASTRONOMICAL JOURNAL*  
Frieman, J. A., Bassett, B., Becker, A., Choi, C., Cinabro, D., DeJongh, F., Depoy, D. L., Dilday, B., Doi, M., Garnavich, P. M., Hogan, C. J., Holtzman, J., Im, et al  
2008; 135 (1): 338-347
- **Transition edge cameras for fast optical spectrophotometry** *2nd Galway Conference on High Time Resolution Astrophysics*  
Romani, R. W., Bay, T. J., Burney, J., Cabrera, B.  
SPRINGER.2008: 311–325
- **Characteristics of EGRET blazars in the VLBA Imaging and Polarimetry Survey (VIPS)** *ASTROPHYSICAL JOURNAL*  
Taylor, G. B., Healey, S. E., Helmboldt, J. F., Tremblay, S., Fassnacht, C. D., Walker, R. C., Sjouwerman, L. O., Pearson, T. J., Readhead, A. C., WEINTRAUB, L., Gehrels, N., Romani, R. W., Michelson, et al  
2007; 671 (2): 1355-1364
- **CRATES: An All-Sky Survey of flat-spectrum radio sources** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*  
Healey, S. E., Romani, R. W., Taylor, G. B., Sadler, E. M., Ricci, R., Murphy, T., Ulvestad, J. S., Winn, J. N.  
2007; 171 (1): 61-71
- **Birth kick distributions and the spin-kick correlation of young pulsars** *ASTROPHYSICAL JOURNAL*  
Ng, C., Romani, R. W.  
2007; 660 (2): 1357-1374
- **The VLBA imaging and polarimetry survey at 5 GHz** *ASTROPHYSICAL JOURNAL*  
Helmboldt, J. F., Taylor, G. B., Tremblay, S., Fassnacht, C. D., Walker, R. C., Myers, S. T., Sjouwerman, L. O., Pearson, T. J., Readhead, A. C., WEINTRAUB, L., Gehrels, N., Romani, R. W., Healey, et al  
2007; 658 (1): 203-216
- **The origin and motion of PSR J0538+2817 in S147** *ASTROPHYSICAL JOURNAL*  
Ng, C., Romani, R. W., Briskin, W. F., Chatterjee, S., Kramer, M.  
2007; 654 (1): 487-493
- **The spectral energy distribution of the high-z blazar Q0906+6930** *ASTRONOMICAL JOURNAL*  
Romani, R. W.  
2006; 132 (5): 1959-1963
- **A compact supermassive binary black hole system** *ASTROPHYSICAL JOURNAL*  
Rodriguez, C., Taylor, G. B., Zavala, R. T., Peck, A. B., Pollack, L. K., Romani, R. W.  
2006; 646 (1): 49-60
- **Proper motion of the Crab pulsar revisited** *ASTROPHYSICAL JOURNAL*  
Ng, C., Romani, R. W.  
2006; 644 (1): 445-450
- **The optical imaging TES detector array: Considerations for a cryogenic imaging instrument** *11th International Workshop on Low-Temperature Detectors*  
Bay, T. J., Burney, J. A., Barral, J., Brink, P. L., Cabrera, B., Castle, J. P., Miller, A. J., Nam, S. W., Romani, R. W., Tomada, A.  
ELSEVIER SCIENCE BV.2006: 506–8
- **Transition-edge sensor arrays for UV-optical-IR astrophysics** *11th International Workshop on Low-Temperature Detectors*  
Burney, J., Bay, T. J., Barral, J., Brink, P. L., Cabrera, B., Castle, J. P., Miller, A. J., Nam, S., Rosenberg, D., Romani, R. W., Tomada, A.

ELSEVIER SCIENCE BV.2006: 525–27

- **Near-infrared, kilosecond variability of the wisps and jet in the Crab pulsar wind nebula** *ASTROPHYSICAL JOURNAL*  
Melatos, A., Scheltus, D., Whiting, M. T., Eikenberry, S. S., Romani, R. W., Rigaut, F., Spitkovsky, A., Arons, J., Payne, D. J.  
2005; 633 (2): 931-940
- **The complex wind torus and jets of PSR B1706-44** *ASTROPHYSICAL JOURNAL*  
Romani, R. W., Ng, C. Y., Dodson, R., Brisken, W.  
2005; 631 (1): 480-487
- **Two pulsar wind nebulae: Chandra/XMM-Newton imaging of GeV J1417-6100** *ASTROPHYSICAL JOURNAL*  
Ng, C. Y., Roberts, M. S., Romani, R. W.  
2005; 627 (2): 904-909
- **The Vela pulsar in the ultraviolet** *ASTROPHYSICAL JOURNAL*  
Romani, R. W., Kargaltsev, O., Pavlov, G. G.  
2005; 627 (1): 383-389
- **A northern survey of gamma-ray blazar candidates** *ASTROPHYSICAL JOURNAL*  
Sowards-Emmerd, D., Romani, R. W., Michelson, P. F., Healey, S. E., Nolan, P. L.  
2005; 626 (1): 95-103
- **Ultraviolet, X-ray, and optical radiation from the geminga pulsar** *ASTROPHYSICAL JOURNAL*  
Kargaltsev, O. Y., Pavlov, G. G., Zavlin, V. E., Romani, R. W.  
2005; 625 (1): 307-323
- **Pulsar wind nebulae in EGRET error boxes** *Conference on Multiwavelength Approach to Unidentified Gamma-Ray Sources*  
Roberts, M. S., Brogan, C. L., Gaensler, B. M., Hessels, J. W., Ng, C. Y., Romani, R. W.  
SPRINGER.2005: 93–100
- **Optical/UV astrophysics applications of cryogenic detectors** *CRYOGENIC PARTICLE DETECTION*  
Cabrera, B., Romani, R. W.  
2005; 99: 417-451
- **Search for radio emission from the young 16-ms X-ray pulsar PSR J0537-6910** *35th COSPAR Scientific Assembly*  
Crawford, F., McLaughlin, M., Johnston, S., Romani, R., Sorrelgreen, E.  
PERGAMON-ELSEVIER SCIENCE LTD.2005: 1181–84
- **Radio and X-ray observations of PSR B0540-69** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Johnston, S., Romani, R. W., Marshall, F. E., Zhang, W.  
2004; 355 (1): 31-36
- **Observations of PSR J2021+3651 and its X-ray pulsar wind nebula G75.2+0.1** *ASTROPHYSICAL JOURNAL*  
Hessels, J. W., Roberts, M. S., Ransom, S. M., Kaspi, V. M., Romani, R. W., Ng, C. Y., Freire, P. C., Gaensler, B. M.  
2004; 612 (1): 389-397
- **Q0906+6930: The highest redshift blazar** *ASTROPHYSICAL JOURNAL*  
Romani, R. W., Sowards-Emmerd, D., Greenhill, L., Michelson, P.  
2004; 610 (1): L9-L11
- **Blazar counterparts for 3EG sources at-40 degrees < decl. < 0 degrees: Pushing south through the bulge** *ASTROPHYSICAL JOURNAL*  
Sowards-Emmerd, D., Romani, R. W., Michelson, P. F., Ulvestad, J. S.  
2004; 609 (2): 564-575
- **Development and characterization of a TES optical imaging array for astrophysics applications** *10th International Workshop on Low Temperature Detectors*  
Burney, J., Bay, T. J., Brink, P. L., Cabrera, B., Castle, J. P., Romani, R. W., Tomada, A., Nam, S. W., Miller, A. J., Martinis, J., Wang, E., Kenny, T., Young, et al  
ELSEVIER SCIENCE BV.2004: 533–36
- **Ultraviolet emission from the millisecond pulsar J0437-4715** *ASTROPHYSICAL JOURNAL*

- 
- Kargaltsev, O., Pavlov, G. G., Romani, R. W.  
2004; 602 (1): 327-335
- **Fitting pulsar wind tori** *ASTROPHYSICAL JOURNAL*  
Ng, C. Y., Romani, R. W.  
2004; 601 (1): 479-484
  - **Giant pulses - A brief review** *218th Symposium of the International-Astronomical-Union on Young Neutron Stars and Their Environments*  
Johnston, S., Romani, R. W.  
ASTRONOMICAL SOC PACIFIC.2004: 315-18
  - **Giant pulses from PSR B0540-69 in the Large Magellanic Cloud** *ASTROPHYSICAL JOURNAL*  
Johnston, S., Romani, R. W.  
2003; 590 (2): L95-L98
  - **The gamma-ray blazar content of the northern sky** *ASTROPHYSICAL JOURNAL*  
Sowards-Emmerd, D., Romani, R. W., Michelson, P. F.  
2003; 590 (1): 109-122
  - **A search for the radio counterpart of the unidentified gamma-ray source 3EG J1410-6147** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Doherty, M., Johnston, S., Green, A. J., Roberts, M. S., Romani, R. W., Gaensler, B. M., Crawford, F.  
2003; 339 (4): 1048-1056
  - **The pulsar wind nebula torus of PSR J0538+2817 and the origin of pulsar velocities** *ASTROPHYSICAL JOURNAL*  
Romani, R. W., Ng, C. Y.  
2003; 585 (1): L41-L44
  - **UV-IR science prospects with TES imaging arrays** *Workshop on Hubbles Science Legacy - Future Optical/Ultraviolet Astronomy from Space*  
Romani, R. W., Burney, J., Brink, P., Cabrera, B., Castle, P., Kenny, T., Wang, E., Young, B., Miller, A. J., Nam, S. W.  
ASTRONOMICAL SOC PACIFIC.2003: 399-402
  - **The rest of the story: Radio pulsars and IR through gamma-ray emission** *Meeting on Radio Pulsars*  
Romani, R. W.  
ASTRONOMICAL SOC PACIFIC.2003: 331-336
  - **Development of superconducting transition edge sensors for time and energy resolved single photon counters with application to imaging astronomy** *Conference on Materials for Infrared Detectors III*  
Bay, T. J., Burney, J. A., Brink, P. L., Cabrera, B., Castle, J. P., Romani, R. W., Tomada, A., Young, B. A., Nam, S. W., Miller, A. J., Martinis, J. M., Kenny, T., Wang, et al  
SPIE-INT SOC OPTICAL ENGINEERING.2003: 192-200
  - **Chandra observations of the Guitar Nebula** *214th Symposium of the International-Astronomical-Union*  
Wong, D. S., Cordes, J. M., Chatterjee, S., Zweibel, E. G., Finley, J. P., Romani, R. W., Ulmer, M. P.  
ASTRONOMICAL SOC PACIFIC.2003: 135-36
  - **RX J1856-3754: Evidence for a stiff equation of state** *ASTROPHYSICAL JOURNAL*  
Braje, T. M., Romani, R. W.  
2002; 580 (2): 1043-1047
  - **Thermal emission from low-field neutron stars** *ASTRONOMY & ASTROPHYSICS*  
Gansicke, B. T., Braje, T. M., Romani, R. W.  
2002; 386 (3): 1001-1008
  - **A search for giant pulses in Vela-like pulsars** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Johnston, S., Romani, R. W.  
2002; 332 (1): 109-115
  - **Chandra imaging of the gamma-ray source GeV J1809-2327** *ASTROPHYSICAL JOURNAL*  
Braje, T. M., Romani, R. W., Roberts, M. S., Kawai, N.  
2002; 565 (2): L91-L95

- **TES spectrophotometers for near IR/optical/UV** *9th International Workshop on Low Temperature Detectors*  
Cabrera, B., Martinis, J. M., Miller, A. J., Nam, S. W., Romani, R.  
AMER INST PHYSICS.2002: 565–570
- **Phase-resolved Crab studies with a cryogenic transition-edge sensor spectrophotometer** *ASTROPHYSICAL JOURNAL*  
Romani, R. W., Miller, A. J., Cabrera, B., Nam, S. W., Martinis, J. M.  
2001; 563 (1): 221-228
- **Multiwavelength studies of PSR J1420-6048, a young pulsar in the Kookaburra** *ASTROPHYSICAL JOURNAL*  
Roberts, M. S., Romani, R. W., Johnston, S.  
2001; 561 (2): L187-L190
- **Giant pulses from the millisecond pulsar B1821-24** *ASTROPHYSICAL JOURNAL*  
Romani, R. W., Johnston, S.  
2001; 557 (2): L93-L96
- **The ASCA catalog of potential X-ray counterparts of GeV sources** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*  
Roberts, M. S., Romani, R. W., Kawai, N.  
2001; 133 (2): 451-465
- **Magnetospheric scattering and emission in millisecond pulsars** *ASTROPHYSICAL JOURNAL*  
Braje, T. M., Romani, R. W.  
2001; 550 (1): 392-396
- **Gamma-ray pulsars in the unidentified population: The 'outer gap' perspective** *Workshop on the Nature of Unidentified Galactic High-Energy Gamma-Ray Sources*  
Romani, R. W.  
SPRINGER.2001: 153–166
- **Jeffrey Alan Willick - Obituary** *PHYSICS TODAY*  
Strauss, M. A., Courteau, S., Petrosian, V., Romani, R.  
2000; 53 (10): 105-105
- **Cryogenic detectors based on superconducting transition-edge sensors for time-energy-resolved single-photon counters and for dark matter searches** *22nd International Conference on Low Temperature Physics*  
Cabrera, B., Clarke, R., Miller, A., Nam, S. W., Romani, R., Saab, T., Young, B.  
ELSEVIER SCIENCE BV.2000: 509–14
- **Development of wide-band, time and energy resolving, optical photon detectors with application to imaging astronomy** *8th International Workshop on Low-Temperature Detectors (LTD-8)*  
Miller, A. J., Cabrera, B., Romani, R. W., Figueroa-Feliciano, E., Nam, S. W., Clarke, R. M.  
ELSEVIER SCIENCE BV.2000: 445–48
- **Light curves of rapidly rotating neutron stars** *ASTROPHYSICAL JOURNAL*  
Braje, T. M., Romani, R. W., Rauch, K. P.  
2000; 531 (1): 447-452
- **Multiwavelength diagnostics of pulsar plasmas** *195th Symposium of the International-Astronomical-Union*  
Romani, R. W.  
ASTRONOMICAL SOC PACIFIC.2000: 95–102
- **Cryogenic IR/Optical/UV fast spectrophotometers for the study of time-variable astronomical sources** *Conference on Infrared Spaceborne Remote Sensing VIII*  
Miller, A. J., Cabrera, B., Romani, R. W., Martinis, J., Nam, S. W., Weld, D. M., Castle, P.  
SPIE-INT SOCIETY OPTICAL ENGINEERING.2000: 278–284
- **A dark cloud associated with an unidentified EGRET source** *ASTROPHYSICAL JOURNAL*  
Oka, T., Kawai, N., Naito, T., Horiuchi, T., Namiki, M., Saito, Y., Romani, R. W., Kifune, T.  
1999; 526 (2): 764-771

- **First astronomical application of a cryogenic transition edge sensor spectrophotometer** *ASTROPHYSICAL JOURNAL*  
Romani, R. W., Miller, A. J., Cabrera, B., Figueroa-Feliciano, E., Nam, S. W.  
1999; 521 (2): L153-L156
- **Transition edge sensors as single photon detectors** *1998 Applied Superconductivity Conference*  
Miller, A. J., Cabrera, B., Clarke, R. M., Figueroa-Feliciano, E., Nam, S., Romani, R. W.  
IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC. 1999: 4205-8
- **A new biasing technique for transition edge sensors with electrothermal feedback** *1998 Applied Superconductivity Conference*  
Nam, S. W., Cabrera, B., Colling, P., Clarke, R. M., Figueroa-Feliciano, E., Miller, A. J., Romani, R. W.  
IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC. 1999: 4209-12
- **The "Rabbit": A potential radio counterpart of GeV J1417-6100** *ASTROPHYSICAL JOURNAL*  
Roberts, M. S., Romani, R. W., Johnston, S., Green, A. J.  
1999; 515 (2): 712-720
- **A dark cloud associated with an unidentified EGRET source** *ASTRONOMISCHE NACHRICHTEN*  
Oka, T., Kawai, N., Naito, T., Horiuchi, T., Namiki, M., Saito, Y., Romani, R. W., Kifune, T.  
1999; 320 (4-5): 327-327
- **Detection of single infrared, optical, and ultraviolet photons using superconducting transition edge sensors** *APPLIED PHYSICS LETTERS*  
Cabrera, B., Clarke, R. M., Colling, P., Miller, A. J., Nam, S., Romani, R. W.  
1998; 73 (6): 735-737
- **A census of low mass black hole binaries** *ASTRONOMY & ASTROPHYSICS*  
Romani, R. W.  
1998; 333 (2): 583-590
- **ASCA observations of the unidentified EGRET source 2EGS J1418-6049** *ASTROPHYSICAL JOURNAL*  
Roberts, M. S., Romani, R. W.  
1998; 496 (2): 827-?
- **Magnetospheric scattering of pulsar surface radiation** *ASTROPHYSICAL JOURNAL*  
Rajagopal, M., Romani, R. W.  
1997; 491 (1): 296-302
- **X-ray emission from the guitar nebula** *ASTROPHYSICAL JOURNAL*  
Romani, R. W., Cordes, J. M., Yadigaroglu, I. A.  
1997; 484 (2): L137-?
- **Magnetized iron atmospheres for neutron stars** *ASTROPHYSICAL JOURNAL*  
Rajagopal, M., Romani, R. W., Miller, M. C.  
1997; 479 (1): 347-356
- **Gamma-ray pulsars and massive stars in the solar neighborhood** *ASTROPHYSICAL JOURNAL*  
Yadigaroglu, I. A., Romani, R. W.  
1997; 476 (1): 347-356
- **Gamma-ray pulsars: Radiation processes in the outer magnetosphere** *ASTROPHYSICAL JOURNAL*  
Romani, R. W.  
1996; 470 (1): 469-478
- **Model atmospheres for low-field neutron stars** *ASTROPHYSICAL JOURNAL*  
Rajagopal, M., Romani, R. W.  
1996; 461 (1): 327-333
- **The formation and evolution of black-hole binaries** *165th Symposium of the International-Astronomical-Union on Compact Stars in Binaries*  
Romani, R. W.  
SPRINGER. 1996: 93-103

- **High energy pulsars: Pulses and populations** *IAU Colloquium 160 on Pulsars - Problems and Progress*  
Romani, R. W.  
ASTRONOMICAL SOC PACIFIC.1996: 331–338
- **EUV soft X-ray spectra for low B neutron stars** *152nd IAU Colloquium on Astrophysics in the Extreme Ultraviolet*  
Romani, R. W., Rajagopal, M., Rogers, F. J., Iglesias, C. A.  
KLUWER ACADEMIC PUBL.1996: 443–447
- **GAMMA-RAY PULSARS - BEAMING EVOLUTION, STATISTICS, AND UNIDENTIFIED EGRET SOURCES** *ASTROPHYSICAL JOURNAL*  
Yadigaroglu, I. A., Romani, R. W.  
1995; 449 (1): 211-215
- **ULTRA-LOW-FREQUENCY GRAVITATIONAL-RADIATION FROM MASSIVE BLACK-HOLE BINARIES** *ASTROPHYSICAL JOURNAL*  
Rajagopal, M., Romani, R. W.  
1995; 446 (2): 543-549
- **Neutron star magnetic fields** *1994 Aspen Winter Conference in Astrophysics*  
Romani, R. W.  
ASTRONOMICAL SOC PACIFIC.1995: 288–297
- **GAMMA-RAY PULSARS - EMISSION ZONES AND VIEWING GEOMETRIES** *ASTROPHYSICAL JOURNAL*  
Romani, R. W., Yadigaroglu, I. A.  
1995; 438 (1): 314-321
- **AN OUTER GAP MODEL OF HIGH-ENERGY EMISSION FROM ROTATION-POWERED PULSARS** *ASTROPHYSICAL JOURNAL*  
Chiang, J., Romani, R. W.  
1994; 436 (2): 754-761
- **Neutron stars and black holes in low mass systems** *Symposium on Interacting Binary Stars/105th Meeting of the Astronomical-Society-of-the-Pacific*  
Romani, R. W.  
ASTRONOMICAL SOC PACIFIC.1994: 196–207
- **THE GUITAR NEBULA - A BOW SHOCK FROM A SLOW-SPIN, HIGH-VELOCITY NEUTRON-STAR NATURE**  
Cordes, J. M., Romani, R. W., Lundgren, S. C.  
1993; 362 (6416): 133-135
- **GAMMA-RADIATION FROM PULSAR MAGNETOSPHERIC GAPS** *ASTROPHYSICAL JOURNAL*  
Chiang, J., Romani, R. W.  
1992; 400 (2): 629-637
- **SPECTROSCOPY OF THE COMPANION AND BOW-SHOCK NEBULA OF PSR 1957 + 20** *ASTROPHYSICAL JOURNAL*  
Aldcroft, T. L., Romani, R. W., Cordes, J. M.  
1992; 400 (2): 638-646
- **POPULATIONS OF LOW-MASS BLACK-HOLE BINARIES** *ASTROPHYSICAL JOURNAL*  
Romani, R. W.  
1992; 399 (2): 621-626
- **THE EVOLUTION OF A PRIMORDIAL BINARY POPULATION IN A GLOBULAR-CLUSTER** *ASTROPHYSICAL JOURNAL*  
Hut, P., McMillan, S., Romani, R. W.  
1992; 389 (2): 527-545
- **SEARCHING FOR HIGH-REDSHIFT SUPERCLUSTERS** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC*  
Romani, R. W., Filippenko, A. V., Steidel, C. C.  
1991; 103 (660): 154-159
- **REFRACTIVE INTERSTELLAR SCINTILLATION AND MILLISECOND PULSAR TIMING** *ASTROPHYSICAL JOURNAL*  
Hu, W., Romani, R. W., Stinebring, D. R.  
1991; 366 (1): L33-L37