

## CURRICULUM VITAE

### DALE ANDREW FRAIL

National Radio Astronomy Observatory  
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**Education:** 1989 – Ph.D. in Astronomy, University of Toronto  
1985 – M.Sc. in Astronomy, University of Toronto

**Current Position:** NRAO Astronomer (tenured)

**Research Interests:**

- electromagnetic counterparts of gravitational waves
- the origin of gamma ray bursts and soft gamma ray repeaters
- time-domain astronomy with an emphasis on the dynamic radio sky
- pulsars, supernova remnant associations and pulsar wind nebulae
- the 1720 MHz OH maser line toward supernova remnants
- HI absorption and interstellar scattering

**Professional Experience:**

1999-Present: Astronomer, NRAO  
2019-2020: *Interim* Assistant Director, Science Support and Research (12 mo)  
2016 Visiting Associate in Astronomy, Caltech  
2011-2015: Assistant Director, New Mexico Operations, VLA and VLBA  
2011: Visiting Scientist, Harvard Smithsonian Center for Astrophysics (CfA)  
2010: Visiting Scientist, Weizmann Institute of Science  
2006-2009: Assistant Director, Science and Academic Affairs, NRAO  
2001-2002: Visiting Associate in Astronomy, Caltech  
1995-1999: Associate Astronomer, NRAO  
1993-1995: Assistant Astronomer, NRAO  
1990–1993: Jansky Fellow, NRAO  
1989-1991: NSERC Postdoctoral Fellow

**Professional and NRAO Service (since 2010):**

2020 TIFR-NCRA Visiting Committee (February 2020)  
Reviewer for the MeerKAT Large Science Proposal reports

2019 Red Team for *Fermi* NASA Senior Review  
Proposal review for GMRT, MeerKAT, German-Israeli Foundation  
Referee for ApJ, PASP  
Astronomer Performance Review Committee (APRC; *ad hoc*)  
Member of Jansky Postdoc Selection Committee (last year)

2018 Chandra User’s Committee (CUC; ends Oct. 2018)  
Promotion Cases (Michigan, Caltech, TIFR/NCRA)  
Referee for MNRAS, A&A, ApJ & Nature  
External examiner for K. Alexander PhD at Harvard

Member of NSF Intergalactic Medium Review Panel  
Member of Jansky Postdoc Selection Committee

- 2017 Chair of MeerKAT Large Science Proposal Review  
Organizer of the New Mexico Symposium and Jansky Lecture  
Chandra User's Committee (CUC)  
NRAO Astronomer Promotion Review Committee (APRC)  
Promotion Review for NCRA-TIFR and TTU  
Member of Jansky Postdoc Selection Committee  
Referee for MNRAS, A&A and GMRT
- 2016 Chandra User's Committee (CUC)  
NRAO Astronomer Promotion Review Committee (APRC)  
Promotion Cases (Michigan, GSFC, Weizmann, NRL, & TTU)  
Referee for MNRAS, European Research Council and Research Corp.  
Committee on the Future of OVRO  
Community Science Advisory Committee for ZTF (ended Sept 2016)
- 2015 Chair of Fermi User Committee (term ended August 2015)  
Jansky Lectureship Nomination Committee  
Community Science Advisory Committee (CSAC) for ZTF  
Promotion Cases (UCSD and NCRA-TIFR)  
NuStar Cycle 1 Review, Panel Chair  
Committee on the Future of OVRO
- 2014 Chair of Fermi User Committee  
Jansky Lectureship Nomination Committee  
Community Science Advisory Committee (CSAC) for Zwicky  
Transient Factory  
Promotion Cases, Caltech  
Swift Cycle 10 Review, Chair Panel 4  
Presenter, NASA Astrophysics Senior Review  
Fermi Cycle 7 Review, Chair Panel 4
- 2013 Chair of the Fermi User Committee  
Jansky Lectureship Committee  
Tenure Review case, University of Colorado  
External thesis reviewer, Curtin University  
Examiner, Thesis Candidacy Caltech  
Promotion case, Cambridge University  
Promotion case, TATA Institute  
External thesis reviewer, University of Adelaide  
External promotion, NCRA
- 2012 Fermi Cycle 5 Review, Panel 6, Chair  
Promotions Review for Harvard  
NCR Review of scientific staff  
LDRD Panel for LANL  
Co-investigator on SWIFT (NASA Midex mission)  
Fermi User Community

Referee for GMRT  
Referee for ApJ, MNRAS

- 2011 External Examiner, Caltech, PhD Thesis. Mansi Kasliwal  
Promotions Review for Harvard  
Tenure Review for the University Colorado Boulder  
Co-investigator on SWIFT (NASA Midex mission)  
Tenure Review for the Pennsylvania State College  
Fermi User Community  
Referee for GMRT  
Referee for Nature, MNRAS
- 2010 Tenure Review for the University of California Berkeley  
Tenure Review for the University Nevada Las Vegas  
NSERC grant Review (Canada)  
High Energy Astrophysics Executive Committee of AAS  
Referee for Advances in Space Research  
Member, NRAO Observatory Science Council  
Member, NRAO Observatory Science Operations Working Group

#### **Societies and Organizations:**

International Astronomical Union (IAU)

#### **Science Organizing Committees (since 2008):**

- |     |      |  |
|-----|------|--|
| May | 2017 | SOC for Seventh Gamma-Ray Symposium                              |
| Jul | 2016 | SOC "Boutiques and Experiments", Pasadena, CA.                   |
| Nov | 2015 | SOC for Sixth Fermi Gamma-Ray Symposium, Washington, DC.         |
| Oct | 2013 | SOC for Fourth International Gamma-Ray Symposium, Monterey       |
| Apr | 2013 | SOC for Modern Radio Universe, Germany                           |
| Jun | 2012 | SOC of Gamma Ray Bursts in the Era of Rapid Follow-up, Liverpool |
| May | 2013 | SOC for Multi-Messenger Time-Domain Astronomy, Maryland          |
| Jan | 2012 | Event Horizon Telescope Meeting, Tucson                          |
| May | 2011 | Fermi Symposium, Rome, Italy                                     |
| Mar | 2011 | Co-organizer of "Building on New Words, New Horizons", Santa Fe  |
| Jan | 2011 | Co-organizer of AAS HEAD Special Session                         |
| Mar | 2010 | Co-organizer High Energy Astrophysics Division Meeting, Hawaii   |
| Apr | 2009 | Co-organizer NRAO Postdoctoral Symposium, Socorro                |
| Apr | 2008 | NRAO Scientific Staff Retreat. Futures Planning, Socorro         |
| Mar | 2008 | High Energy Astrophysics Meeting, Los Angeles                    |

#### **Students Supervised:**

- |      |                                 |
|------|---------------------------------|
| 2017 | Melody Kao (Caltech, PhD)       |
| 2016 | Deven Bhakta (Texas Tech. U)    |
| 2013 | Kunal Mooley (Caltech, PhD)     |
| 2012 | Corey Bathurst (U. Florida)     |
| 2008 | Ben Breslauer (Oberlin College) |

- 2004 P. Brian Cameron (Caltech; PhD)
- 2003 Alicia Soderberg (Caltech; PhD)
- 2002 Brian Metzger (Iowa)
- 2000 Kathryn Becker (Oberlin)
- 2000 Edo Berger (Caltech; PhD)
- 1999 Chad Young (Mississippi)
- 1999 Crystal Brogan (Kentucky; PhD)
- 1998 Josh Bloom (Caltech; PhD)
- 1998 Katrina Koski (NMIMT)
- 1997 Barron Koralesky (Minnesota; PhD)
- 1996 Craig Heinke (Carleton)
- 1995 Chris Carpenter (Harvard)
- 1994 Britt Scharringhausen (Iowa)
- 1993 Tas Philp (North Carolina; PhD)
- 1992 David Moffett (NMIMT; PhD)
- 1990 Henry (“Chip”) Koblunicky (Iowa)

### Honours and Awards:

- 2019 Baird Lecturer, Caltech
- 2016 Doctor of Science, honours causa, Acadia University
- 2010 John Simon Guggenheim Fellowship
- 2009 Maria & Eric Muhlmann Award, Astron. Society of the Pacific, Swift Team
- 2007 Bruno Rossi Prize, American Astronomical Society, with the Swift Team

### Publications:

- 282. Hyman, S. D., Frail, D. A., Deneva, J. S., Kassim, N. E., Giacintucci, S., Kooi, J. E., Lazio, T. J. W., Joyner, I., Peters, W. M., Gajjar, V., & Siemion, A. P. V.  
*Two Extreme Steep-Spectrum, Polarized Radio Sources Towards the Galactic Bulge*  
2021, *MNRAS*, submitted (2021arXiv210503282H)
- 281. Bhakta, D., Mooley, K. P., Corsi, A., Balasubramanian, A., Dobie, D., Frail, D. A., et al.  
*The JAGWAR Prowls LIGO/Virgo O3 Paper I: Radio Search of a Possible Multimessenger Counterpart of the Binary Black Hole Merger Candidate S191216ap*  
2021, *ApJ*, 911, 77 (8pp)
- 280. Anderson, M. M., Mooley, K. P., Hallinan, G., Dong, D., Phinney, E. S., Horesh, A., Bourke, S., Cenko, S. B., Frail, D., Kulkarni, S. R., & Myers, S.  
*Caltech-NRAO Stripe 82 Survey (CNSS). III. The First Radio-discovered Tidal Disruption Event*  
2020, *ApJ*, 903, 116 (12pp)
- 279. Hajela, A., Mooley, K. P., Intema, H. T., & Frail, D. A.  
*A GMRT 150 MHz Search for Variables and Transients in Stripe 82*  
2020, *MNRAS*, 490, 4898-4906
- 278. Schinzel, F. K., Kerr, M., Rau, U., Bhatnagar, S., & Frail, D. A.  
*The Tail of PSR J0002+6216 and the Supernova Remnant CTB 1*  
2019, *ApJ*, 876, L17-L26
- 277. Hyman, S. D., Frail, D. A., Deneva, J. S., Kassim, N. E., McLaughlin, M. A., Kooi, J. E., Ray, P. S., & Polisensky, E. J.

*A Search for Pulsars in Steep-spectrum Radio Sources toward the Galactic Center*  
2019, *ApJ*, 876, 20-29

276. Palliyaguru, N. T., Corsi, A., Frail, D. A., Vinkó, J., Wheeler, J. C., Gal-Yam, A., Cenko, S. B., Kulkarni, S. R., & Kasliwal, M. M.  
*The Double-peaked Radio Light Curve of Supernova PTF11qej*  
2019, *ApJ*, 872, 201-209
275. Mooley, K. P., Myers, S. T., Frail, D. A., Hallinan, G., Butler, B., Kimball, A., & Golap, K.  
*The Caltech-NRAO Stripe 82 Survey (CNSS). II. On-the-fly Mosaicking Methodology*  
2019, *ApJ*, 870, 25-35
274. Corsi, A., Frail, D. A., Lazzati, D., Carbone, D., Murphy, E. J., Owen, B. J., Sand, D. J., & O'Shaughnessy, R.  
*Compact Binary Mergers as Traced by Gravitational Waves*  
*Science with a Next Generation Very Large Array, ASP Conference Series, 517, 689-699*
273. Mooley, K. P., Frail, D. A., Dobie, D., Lenc, E., Corsi, A., De, K., Nayana, A. J., Makhathini, S., Heywood, I., Murphy, T., Kaplan, D. L., Chandra, P., Smirnov, O., Nakar, E., Hallinan, G., Camilo, F., Fender, R., Goedhart, S., Groot, P., Kasliwal, M. M., Kulkarni, S. R., & Woudt, P. A.  
*A Strong Jet Signature in the Late-time Light Curve of GW170817*  
2018, *ApJ*, 868, L11-L18
272. Mooley, K. P., Deller, A. T., Gottlieb, O., Nakar, E., Hallinan, G., Bourke, S., Frail, D. A., Horesh, A., Corsi, A., & Hotokezaka, K.  
*Superluminal motion of a relativistic jet in the neutron star merger GW170817*  
2018, *Nature*, 561, 355-359
271. Corsi, A., Hallinan, G. W., Lazzati, D., Mooley, K. P., Murphy, E. J., Frail, D. A., Carbone, D., Kaplan, D. L., Murphy, T., Kulkarni, S. R., Hotokezaka, K.  
*An Upper Limit on the Linear Polarization Fraction of the GW170817 Radio Continuum*  
2018, *ApJ*, 861, L10-L14
270. Dobie, D., Kaplan, D. L., Murphy, T., Lenc, E., Mooley, K. P., Lynch, C., Corsi, A., Frail, D. A., Kasliwal, M. & Hallinan, G.  
*A Turnover in the Radio Light Curve of GW170817*  
2018, *ApJ*, 858, L15-L19
269. Mooley, K. P., Frail, D. A., Myers, S. T., Kulkarni, S. R., Hotokezaka, K., Singer, L. P., Horesh, A., Kasliwal, M. M., Cenko, S. B., & Hallinan, G.,  
*A Case Study of On-the-fly Wide-field Radio Imaging Applied to the Gravitational Wave Event GW151226*  
2018, *ApJ*, 857, 183-150
268. Frail, D. A., Ray, P. S., Mooley, K. P., Hancock, P., Burnett, T. H., Jagannathan, P., Ferrara, E. C., Intema, H. T., de Gasperin, F., Demorest, P. B., Stovall, K., & McKinnon, M. M.,  
*An image-based search for pulsars among Fermi unassociated LAT sources*  
2018, *MNRAS*, 475, 942-954
267. de Gasperin, F. Intema, H. T., & Frail, D. A.  
*A radio spectral index map and catalogue of 80~percent of the sky*  
2018, *MNRAS*, 474, 5008-5022

266. Mooley, K. P., Nakar, E., Hotokezaka, K., Hallinan, G., Corsi, A., Frail, D. A., Horesh, A., Murphy, T., Lenc, E., Kaplan, D. L., de, K., Dobie, D., Chandra, P., Deller, A., Gottlieb, O., Kasliwal, M. M., Kulkarni, S. R., Myers, S. T., Nissanke, S., Piran, T., Lynch, C., Bhalerao, V., Bourke, S., Bannister, K. W., Singer, L. P.  
*A mildly relativistic wide-angle outflow in the neutron-star merger event GW170817*  
2018, *Nature*, 554, 207-210
265. G. Hallinan, A. Corsi, K. P. Mooley, K. Hotokezaka, E. Nakar, M. M. Kasliwal, D. L. Kaplan, D. A. Frail, S. T. Myers, T. Murphy, K. De, D. Dobie, J. R. Allison, K. W. Bannister, V. Bhalerao, P. Chandra, T. E. Clarke, S. Giacintucci, A. Y. Q. Ho, A. Horesh, N. E. Kassim, S. R. Kulkarni, E. Lenc, F. J. Lockman, C. Lynch, D. Nichols, S. Nissanke, N. Palliyaguru, W. M. Peters, T. Piran, J. Rana, E. M. Sadler, & L.P. Singer  
*A Radio Counterpart to a Neutron Star Merger*  
2017, *Science*, 358, 1579-1583
264. M. M. Kasliwal, E. Nakar, L. P. Singer, D. L. Kaplan, D. O. Cook, A. van Sistine, R. M. Lau, C. Fremling, O. Gottlieb, J. E. Jencson, S.M. Adams, U. Feindt, K. Hotokezaka, S. Ghosh, D. Perley, P.-C. Yu, J. R. Allison, G. C. Anupama, A. Balasubramanian, K. Bannister, J. Bally, J. Barnes, S. Barway, E. Bellm, V. Bhalerao, D. Bhattacharya, N. Blagorodnova, J. S. Bloom, P. R. Brady, C. Cannella, D. Chatterjee, S. B. Cenko, B. E. Cobb, C. Copperwheat, A. Corsi, K. De, D. Dobie, S. W. K. Emery, P. A. Evans, O. D. Fox, D. A. Frail, C. Frohmaier, A. Goobar, G. Hallinan, F. Harrison, G. Helou, T. Hinderer, A. Y. Q. Ho, A. Horesh, W.-H. Ip, R. Itoh, D. Kasen, H. Kim, N.P.M. Kuin, T. Kupfer, C. Lynch, K. Madsen, P. A. Mazzali, A. A. Miller, K. Mooley, T. Murphy, C.-C. Ngeow, D. Nichols, S. Nissanke, P. E. Nugent, E. O. Ofek, T. J. Pearson, T. Piran, H. Qi, R.M. Quimby, A. C. S. Readhead, S. Rosswog, F. Rusu, E. M. Sadler, P. Schmidt, J. Sollerman, I. Steele, A. R. Williamson, Y. Xu, L. Yan, Y. Yatsu, C. Zhang, & W. Zhao,  
*Illuminating gravitational waves: A concordant picture of photons from a neutron star merger*  
2017, *Science*, 358, 1559-1565
263. Abbott, B. P. and 3376 co-authors  
*Multi-messenger Observations of a Binary Neutron Star Merger*  
2017, *ApJ*, 848, L12-L70
262. Corsi, A., Cenko, S. B., Kasliwal, M. M., Quimby, R., Kulkarni, S. R., Frail, D. A., Goldstein, A. M., Blagorodnova, N., Connaughton, V., Perley, D. A., Singer, L. P., Copperwheat, C. M., Fremling, C., Kupfer, T., Piascik, A. S., Steele, I. A., Taddia, F., Vedantham, H., Kutryev, A., Palliyaguru, N. T., Roberts, O., Sollerman, J., Troja, E., & Veilleux, S.  
*iPTF17cw: An engine-driven supernova candidate discovered independent of a gamma-ray trigger*  
2017, *ApJ*, 847, 54-67
261. Bhalerao, V., Kasliwal, M. M., Bhattacharya, D., Corsi, A., Aarthy, E., Adams, S. M., Blagorodnova, N., Cantwell, T., Cenko, S. B., Fender, R., Frail, D., Itoh, R., Jencson, J., Kawai, N., Kong, A. K. H., Kupfer, T., Kutryev, A., Mao, J., Mate, S., Mithun, N. P. S., Mooley, K., Perley, D. A., Perrott, Y. C., Quimby, R. M., Rao, A. R., Singer, L. P., Sharma, V., Titterington, D. J., Troja, E., Vadawale, S. V., Vibhute, A., Vedantham, H. & Veilleux  
*A Tale of Two Transients: GW 170104 and GRB 170105A*  
2017, *ApJ*, 845, 152-161
260. Bhakta, D., Deneva, J. S., Frail, D. A., de Gasperin, F., Intema, H. T., Jagannathan, P. & Mooley, K.  
*Searching for pulsars associated with the Fermi GeV excess*  
2017, *MNRAS*, 468, 2526-2531

259. Smolcic, V., Novak, M., Bondi, M., Ciliegi, P., Mooley, K. P., Schinnerer, E., Zamorani, G., Navarrete, F., Bourke, S., Karim, A., Vardoulaki, E., Leslie, S., Delhaize, J., Carilli, C. L., Myers, S. T., Baran, N., Delvecchio, I., Miettinen, O., Banfield, J., Baloković, M., Bertoldi, F., Capak, P., Frail, D. A., Hallinan, G., Hao, H., Herrera Ruiz, N., Horesh, A., Ilbert, O., Intema, H., Jelma, V., Klackner, H.-R., Krpan, J., Kulkarni, S. R., McCracken, H., Laigle, C., Middleberg, E., Murphy, E. J., Sargent, M., Scoville, N. Z. & Sheth, K.  
*The VLA-COSMOS 3 GHz Large Project: Continuum data and source catalog release*,  
2017, *A & A*, 602, A1-A19
258. Intema, H. T., Jagannathan, P., Mooley, K. P., & Frail, D. A.  
*The GMRT 150 MHz all-sky radio survey. First alternative data release TGSS ADR1*  
2017, *A & A*, 598, A78-A105
257. Polisensky, E., Lane, W. M., Hyman, S. D., Kassim, N. E., Giacintucci, S., Clarke, T. E., Cotton, W. D., Cleland, E., & Frail, D. A.  
*Exploring the Transient Radio Sky with VLITE: Early Results*  
2016, *ApJ*, 832, 60-69
256. Corsi, A., Gal-Yam, A., Kulkarni, S. R., Frail, D. A., Mazzali, P. A., Cenko, S. B., Kasliwal, M. M., Cao, Y., Horesh, A., Palliyaguru, N., Perley, D. A., Laher, R. R., Taddia, F., Leloudas, G., Maguire, K., Nugent, P. E., Sollerman, J., & Sullivan, M.  
*Radio Observations of a Sample of Broad-line Type Ic Supernovae Discovered by PTF/IPTF: A Search for Relativistic Explosions*  
2016, *ApJ*, 830, 42-59
255. Palliyaguru, N. T., Corsi, A., Kasliwal, M. M., Cenko, S. B., Frail, D. A., Perley, D. A., Mishra, N., Singer, L. P., Gal-Yam, A., Nugent, P. E., & Surace, J. A.  
*Radio Follow-up of Gravitational-wave Triggers during Advanced LIGO O1*  
2016, *ApJ*, 829, L28
254. Frail, D. A., Jagannathan, P., Mooley, K. P. and Intema, H. T.  
*Known Pulsars Identified in the GMRT 150 MHz All-sky Survey*  
2016, *ApJ*, 829, 119
253. Frail, D. A., Mooley, K. P., Jagannathan, P. and Intema, H. T.  
*Pulsar candidates towards Fermi unassociated sources*  
2016, *MNRAS*, 461, 1062
252. Kasliwal, M. M., Cenko, S. B., Singer, L. P., Corsi, A., Cao, Y., Barlow, T., Bhalerao, V., Bellm, E., Cook, D., Duggan, G. E., Ferretti, R., Frail, D. A., Horesh, A., Kendrick, R., Kulkarni, S. R., Lunnan, R., Palliyaguru, N., Laher, R., Masci, F., Manulis, I., Miller, A. A., Nugent, P. E., Perley, D., Prince, T. A., Quimby, R. M., Rana, J., Rebbapragada, U., Sesar, B., Singhal, A., Surace, J. and Van Sistine  
*iPTF Search for an Optical Counterpart to Gravitational-wave Transient GW150914*  
2016, *ApJ*, 824, L24
251. Vedantham, H. K., Ravi, V., Mooley, K., Frail, D., Hallinan, G., and Kulkarni, S. R.  
*On Associating Fast Radio Bursts with Afterglows*  
2016, *ApJ*, 824, L9.
250. Mooley, K. P., Hallinan, G., Bourke, S., Horesh, A., Myers, S. T., Frail, D. A., Kulkarni, S. R., Levitan, D. B., Kasliwal, M. M., Cenko, S. B., Cao, Y., Bellm, E., and Laher, R. R.

249. Cucchiara, A., Veres, P., Corsi, A., Cenko, S. B., Perley, D. A., Lien, A., Marshall, F. E., Pagani, C., Toy, V. L., Capone, J. I., Frail, D. A., Horesh, A., Modjaz, M., Butler, N. R., Littlejohns, O. M., Watson, A. M., Kuttyrev, A. S., Lee, W. H., Richer, M. G., Klein, C. R., Fox, O. D., Prochaska, J. X., Bloom, J. S., Troja, E., Ramirez-Ruiz, E., de Diego, J. A., Georgiev, L., Gonz'alez, J., Roman-Zuniga, C. G., Gehrels, N., and Moseley, H.  
*Happy Birthday Swift: Ultra-long GRB 141121A, Its Broadband Afterglow*  
2016, *ApJ*, 812, 122.
248. Veres, P., Corsi, A., Frail, D. A., Cenko, S. B., and Perley, D. A.  
*Early-time VLA Observations, Broadband Afterglow Analysis of the Fermi/LAT Detected GRB 130907A*  
2015, *ApJ*, 810, 31.
247. De Pasquale, M., Kuin, N. P. M., Oates, S., Schulze, S., Cano, Z., Guidorzi, C., Beardmore, A., Evans, P. A., Uhm, Z. L., Zhang, B., Page, M., Kobayashi, S., Castro-Tirado, A., Gorosabel, J., Sakamoto, T., Fatkhullin, T., Pandey, S. B., Im, M., Chandra, P., Frail, D., Gao, H., Kopavc, D., Jeon, Y., Akerlof, C., Huang, K. Y., Pak, S., Park, W.-K., Gomboc, A., Melandri, A., Zane, S., Mundell, C. G., Saxton, C. J., Holland, S. T., Virgili, F., Urata, Y., Steele, I., Bersier, D., Tanvir, N., Sokolov, V. V., and Moskvitin, A. S.  
*The optical rebrightening of GRB100814A: An interplay of forward, reverse shocks?*  
2015, *MNRAS*, 449, 1024-1042.
246. Schulze, S., Malesani, D., Cucchiara, A., Tanvir, N.R., Kruhler, T., deUgarte Postigo, A., Leloudas, G., Lyman, J. Bersier, D., Wiersema, K., Perley, D.A., Schady, P., Gorosabel, J., Anderson, J.P., Castro-Tirado, A.J., Cenko, S.B., DeCia, A., Ellerbroek, L.E., Fynbo, J.P.U., Greiner, J. Hjorth, J., Kann, D.A., Kaper, L. Klose, S., Levan, A.J., Martin, S., O'Brien, P.T., Page, K.L., Pignata, G., Rapaport, S., Sanchez-Ramirez, R., Sollerman, J., Smith, I.A., Sparre, M., Thone, C.C., Watson, D.J., Xu, D., Bauer, F.E., Baylis, M. Bjornsson, G., Bremer, M., Cano, Z., Covino, S., D'Elia, V., Frail, D.A., Geier, S., Goldoni, P., Hartoog, O.E., Jakobsson, P., Korhonen, H., Lee, K.Y., Milvang-Jensen, B., Nardini, M., Nicuesa Guelbenzu, A., Oguri, M., Pandey, S.B., Petitpas, G., Rossi, A., Sandberg, A., Schmidl, S., Tagliaferri, G., Tilanus, R.P.J., Winters, J.M., Wright, D., Wuyts, E.  
*GRB 120422A/SN 2012 bz: Bridging the gap between low-and high-luminosity gamma-ray bursts*  
2014, *A&A*, Vol. 566, id. A102, 31 pp
245. Pihlstrom, Y.M., Sjouwerman, L.O., Frail, D.A., Claussen, M.J., Mesler, R.A., McEwen, B.C.  
*Detection of Class I Methanol (CH<sub>3</sub>OH) Maser Candidates in Supernova Remnants*  
2014, *Astronomical Journal*, Vol. 147, Issue 4, article id. 73, 8 pp
244. Corsi, A., Ofek, E.O., Gal-Yam, A., Frail, D.A., Kulkarni, S.R., Fox, D.B., Kasliwal, M.M., Sullivan, M., Horesh, A., Carpenter, J. Maguire, K., Arcavi, I., Cenko, S.B., Cao, Y., Mooley, K., Pan, Y.-C., Sesar, B., Sternberg, A., Xu, D., Bersier, D., James, P., Bloom, J.S., Nugent, P.E.  
*A Multi-wavelength Investigation of the Radio-loud Supernova PTF11qej and its Circumstellar Environment*  
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