

CURRICULUM VITAE — Kunal Mooley

Address: Caltech, 1200 E California Blvd, Pasadena, CA 91125 — *Phone:* +1-6263656775

Email: kmooley@caltech.edu — *Web:* <http://www.tauceti.caltech.edu/kunal>

ACADEMIC QUALIFICATIONS

- 2017–Pres. Jansky Fellow, California Institute of Technology
- 2015–2017 Hintze Research Fellow, University of Oxford
- 2009–2015 Ph.D. (Astrophysics), California Institute of Technology. Dissertation: Exploring the Dynamic Radio Sky
- 2007–2009 M.Sc. (Physics), Indian Institute of Technology, Bombay
- 2004–2007 B.Sc. (Physics), Fergusson College, Pune, India

RESEARCH INTERESTS

Astrophysical transient phenomena; gravitational waves; radio surveys

FELLOWSHIPS, AWARDS, HONOURS

- 2017–Pres. Jansky Fellowship
- 2015–2017 Oxford University Hintze Fellowship
- 2015–2016 Brasenose College Visiting Fellowship
- 2012–2014 National Radio Astronomy Observatory Grote Reber Fellowship
- 2009 IIT Bombay Graduate Silver Medal
- 2008 Inter-University Centre for Astronomy and Astrophysics Junior Research Fellowship (waived)
- 2007 Indian Institute of Technology M.Sc. Joint Admissions Examination Rank 10 (India-wide)
- 2004 Loyola Junior College Best Graduating Student Award

TEACHING, MENTORING, JUDGING

Teaching Assistantship (Caltech)

- 2011 Introduction to Modern Astronomy (Ay20)
- 2012 Undergraduate Cosmology (Ay21)
- 2012 Graduate Cosmology (Ay127)
- 2013 Undergraduate Electricity, Magnetism and Optics Laboratory (Ph6)
- 2013 Undergraduate Nuclear Physics Laboratory (Ph7)

Mentoring Elementary School Students (Washington Elementary School, Pasadena)

- 2012–2013 Brainstorming for Annual Science Fair Projects
- 2012–2013 Teaching New Science Concepts

Judging at Science Fairs

- 2012–2014 California Science Fair
- 2013–2014 McKinley School Science Fair

PROFESSIONAL SERVICES

- 2018–Pres. Reviewer for the UK Science and Technology Facilities Council (STFC)
- 2017–Pres. Reviewer for the eMERLIN Telescope
- 2016–Pres. Co-chair of the VLA Telescope Sky Survey (VLASS) Technical Implementation Committee
- 2016–Pres. Co-chair of the MeerKAT Telescope Gravitational Wave Followup Committee
- 2016–Pres. Reviewer for the Astrophysical Journal (ApJ)
- 2015–Pres. Reviewer for the Monthly Notices of Royal Astronomical Society (MNRAS)
- 2015–Pres. Reviewer for the Giant Meterwave Radio Telescope

OUTREACH AND EDUCATION

- 2017 Oxford Stargazing Event, University of Oxford
- 2016 Oxford Stargazing Event, University of Oxford
- 2012 Venus Transit Outreach Event, Caltech
- 2011 SN2011fe Supernova Outreach Event, Caltech
- 2001 IUCAA Open Day: Stargazing Night, Pune, India

APPROVED LARGE PROGRAMS

Observing Programs

- 2012–2018 LRIS on Keck — 10 nights, PIs G. Hallinan, S. Kulkarni, S. Burke-Spolaor
2012–2015 DBSP on Palomar — 10 nights, PIs S. Kulkarni, G. Hallinan
2013–2015 JVLA — 386 hours for the COSMOS 3 GHz Survey, PI V. Smolcic
2013–2015 JVLA — 292 hours for the Caltech-NRAO Stripe 82 Survey, PIs G. Hallinan, S. Kulkarni
2014 SWIFT — 20 ks in Cycle 11, PI K. Mooley
2014–2015 GMRT — 60 hours for the G1STS Survey, PI K. Mooley
2015–2016 JVLA — 75 hours for the LIGO follow up, PI S. Kulkarni
2015–2017 AMI-LA — >1000 hours for Rapid radio follow up of Transients, PIs R. Fender, K. Mooley
2016 XMM-Newton — 80 ks in AO-15, PI M. Kunert-Bajraszewska
GMRT — 70 hours for the TGSS ADR Follow up Survey, PI H. Intema
uGMRT — 54 hours for the 4MUGS Survey, PI F. deGasperin
2017 uGMRT — 37 hours for Galactic Center transients (WATCHDOG Project), PI K. Mooley
2017–2018 JVLA — 266 hours for LIGO follow up (JAGWAR Project), PI K. Mooley
2017–2018 uGMRT — 40 hours for GW170817 and off-axis GRB follow up, PIs K. Mooley, K. De
2017–2022 MeerKAT — 400 hours for LIGO follow up (as part of ThunderKAT Project), PIs K. Mooley, P. Groot
2017–2022 MeerKAT — 2700 hours for the ThunderKAT Project, PIs P. Woudt, R. Fender
2018–2019 JVLA — 280 hours for LIGO follow up (JAGWAR 2), PI D. Frail (liaison/co-PI: K. Mooley)

Research Funding

- 2015 SWIFT Grant (Cycle 11), \$15k

PRESS RELEASES

- 2017–2018 **A mildly relativistic wide-angle outflow in the neutron-star merger event GW170817**
- [Caltech News](#)
 - [NRAO News](#)
 - [NRAO Blogs](#)
 - [Sky & Telescope](#)
- 2017 **Discovery of the EM counterpart of the Neutron Star Merger GW170817**
- [NRAO News](#)
 - [Caltech News](#)
 - [University of Oxford News](#)
- 2016–2017 **Discovery of rapid radio flaring in a white dwarf binary system**
- [University of Oxford News](#)
 - [R&D Magazine](#)
 - [United Press International](#)
- 2015–2016 **Discovery of the black hole X-ray binary V404 Cygni in outburst**
- [University of Oxford News](#)
 - [El Pais \(Spanish\)](#)

COMPUTATIONAL EXPERIENCE

- Programming* Python, MATLAB, C, C++, Fortran, ROOT, Shell
Data Tools Scipy, Numpy, R, Matplotlib, GnuPlot
Astronomical CASA, AIPS, MIRIAD, IRAF, HEASoft, XSPEC, Astropy

CONFERENCE TALKS, SEMINARS & COLLOQUIA

2018

- a) The First EM Counterpart of a Gravitational Wave Source (AUI Board Meeting, Pasadena)
- b) The First EM Counterpart of a Gravitational Wave Source (NRAO, Socorro)
- c) The Dynamic Radio Sky (Jansky Symposium, Socorro)

2017

- a) The Search for Radio Afterglows of Gravitational Wave Sources (University of Bath)
- b) The Search for Radio Afterglows of Gravitational Wave Sources (University of Glasgow)
- c) The Search for Radio Afterglows of Gravitational Wave Sources (ThunderKAT Meeting, Oxford)
- d) The First EM Counterpart of a Gravitational Wave Source (University of Oxford)
- e) The Search for Radio Afterglows of Gravitational Wave Sources (University of Manchester)

2016

- a) The Search for Radio Afterglows of Gravitational Wave Sources (SPIMAX Talk, Univ. of Oxford)
- b) The 2015 Outburst of the Black Hole X-ray Binary, V404 Cyg (University of Manchester)
- c) The Phenomenal 2015 Outburst of V404 Cyg (University of Cambridge)
- d) Widefield Near-Real-time Transient Surveys (SKA Meeting, University of Cambridge)
- e) The GHz Transient Sky in the Gravitational Wave Era (B&E Conference, Caltech)
- f) Multi-frequency, high-resolution and rapid-trigger programs with AMI and eMELRIN (SKA Meeting, Jodrell Bank)
- g) Accretion and Jet Processes Across the Mass Scale: from White Dwarfs to AGN (TIFR, India)
- h) The VLA Sky Survey (NCRA, India)

2015

- a) Exploring the Dynamic Radio Sky (Dissertation talk, AAS 225, Seattle, USA)
- b) The Hunt for Radio Transients With the Jansky VLA (SPIMAX Talk, Oxford, UK)
- c) Joint Radio-Optical Searches for Radio Transients (Radio Transients Meeting, Univ. of Oxford)
- d) Radio Observations of the V404 Cyg 2015 Outburst (INTEGRAL Workshop, La Sapienza Univ., Rome)
- e) The Search for the Radio Afterglows of Orphan GRBs and GW Sources (INAF Merate, Italy)
- f) The Search for the Radio Afterglows of Gravitational Wave Sources (IUCAA, India)
- g) The 2015 Outburst of the Black Hole X-ray Binary, V404 Cyg (TIFR, India)
- h) The 2015 Outburst of the Black Hole X-ray Binary, V404 Cyg (NCRA, India)
- i) The 2015 Outburst of the Black Hole X-ray Binary, V404 Cyg (PRL, India)

2014

- a) Exploring the Dynamic Radio Sky: The 270 sq. deg Stripe 82 Survey (AAS 223, Washington DC)
- b) Search for Slow Transients with the VLA (University of Sydney)
- c) Search for Slow Transients with the VLA (Curtin University, Australia)
- d) Search for Fast and Slow Transients with the VLA (Swinburne University, Australia)
- e) Transient Search with the VLA and India's role in Time Domain Radio Astronomy (IIA, India)
- f) Transient Search with the VLA and India's role in Time Domain Radio Astronomy (NCRA, India)

2013

- a) Exploring the Dynamic Radio Sky (AAS 221, Los Angeles)
- b) Exploring the Dynamic Radio Sky (Locating Astrophysical Transients Conference, Netherlands)
- c) Exploring the Dynamic Radio Sky with the VLA (Radboud University Seminar, Netherlands)
- d) Exploring the Dynamic Radio Sky with the VLA (University of Groningen Seminar, Netherlands)
- e) Exploring the Dynamic Radio Sky (University of Southampton Seminar)
- f) Transients & On-The-Fly Mosaicking with the EVLA (NRAO Lunch Talk, Socorro, USA)

2012

- a) Radio Variables and Transients in the E-CDFS (YERAC Conference, Puschino Observatory, Russia)
- b) The PTF + VLA Stripe 82 Survey (PTF Annual Meet, UC Santa Barbara)

2009

- a) X-rays from the old Star Cluster, M67 (IIT Bombay)
- b) X-rays from the old Stellar Population of M67 (Caltech)

PUBLICATION RECORD

Apart from refereed publications, a gauge of success for astronomers working on astrophysical transient phenomena is circulars and telegrams that they have issued for quickly disseminating information about discoveries and multi-wavelength follow up observations. In this regard, I am one of the most active members of the astronomical community, issuing circulars and telegrams almost every week.

REFEREED JOURNAL PUBLICATIONS

Citations: 1224, h-index: 18

1. The Caltech-NRAO Stripe 82 Survey (CNSS) Paper II: On-the-Fly Mapping Methodology
Mooley, K. P.; Myers, S. T.; Frail, D. A.; Bhatnagar, S. G.; Rau, U.; Hallinan, G.; 2016, ApJ, submitting shortly
2. SPIRITS 16th in NGC 3556: A heavily obscured and low-luminosity supernova at 8.8 Mpc
Jencson, Jacob E.; Kasliwal, Mansi M.; Adams, Scott M.; Bond, Howard E.; Lau, Ryan M.; Johansson, Joel; Horesh, Asaf; **Mooley, Kunal P.**; Fender, Robert; De, Kishalay; and 10 coauthors; 2018, arXiv:180300574 ([2018arXiv180300574J](#))
3. A Sensitive Search for the Radio Afterglow of GW151226 using the Jansky VLA On-the-Fly Mapping
Mooley, K. P.; Myers, S. T.; Kulkarni, S. R.; Frail, D. A.; Hallinan, G.; Horesh, A.; 2016, ApJ Letters, accepted
4. A mildly relativistic wide-angle outflow in the neutron-star merger event GW170817
Mooley, K. P.; Nakar, E.; Hotokezaka, K.; Hallinan, G.; Corsi, A.; Frail, D. A.; Horesh, A.; Murphy, T.; Lenc, E.; Kaplan, D. L.; and 15 coauthors; 2018, Nature, 554, 207 ([2018Natur.554..207M](#))
5. A radio counterpart to a neutron star merger
Hallinan, G.; Corsi, A.; **Mooley, K. P.**; Hotokezaka, K.; Nakar, E.; Kasliwal, M. M.; Kaplan, D. L.; Frail, D. A.; Myers, S. T.; Murphy, T.; and 23 coauthors; 2017, Science, 358, 1579 ([2017Sci...358.1579H](#))
6. Illuminating gravitational waves: A concordant picture of photons from a neutron star merger
Kasliwal, M. M.; Nakar, E.; Singer, L. P.; Kaplan, D. L.; Cook, D. O.; Van Sistine, A.; Lau, R. M.; Fremling, C.; Gottlieb, O.; Jencson, J. E.; and 71 coauthors; 2017, Science, 358, 1559 ([2017Sci...358.1559K](#))
7. A precise measurement of the magnetic field in the corona of the black hole binary V404 Cygni
Dallilar, Yigit; Eikenberry, Stephen S.; Garner, Alan; Stelter, Richard D.; Gottlieb, Amy; Gandhi, Poshak; Casella, Piergiorgio; Dhillon, Vik S.; Marsh, Tom R.; Littlefair, Stuart P.; and 57 coauthors; 2017, Science, 358, 1299 ([2017Sci...358.1299D](#))
8. An image-based search for pulsars among Fermi unassociated LAT sources
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.; and 2 coauthors; 2018, MNRAS, 475, 942 ([2018MNRAS.475..942F](#))
9. Long-term radio and X-ray evolution of the tidal disruption event ASASSN-14li
Bright, J. S.; Fender, R. P.; Motta, S. E.; **Mooley, K.**; Perrott, Y. C.; van Velzen, S.; Carey, S.; Hickish, J.; Razavi-Ghods, N.; Titterton, D.; and 5 coauthors; 2018, MNRAS, 475, 4011 ([2018MNRAS.475.4011B](#))
10. An elevation of 0.1 light-seconds for the optical jet base in an accreting Galactic black hole system
Gandhi, P.; Bachetti, M.; Dhillon, V. S.; Fender, R. P.; Hardy, L. K.; Harrison, F. A.; Littlefair, S. P.; Malzac, J.; Markoff, S.; Marsh, T. R.; and 18 coauthors; 2017, Nature Astronomy, 1, 859 ([2017NatAs...1..859G](#))
11. Energetic eruptions leading to a peculiar hydrogen-rich explosion of a massive star
Arcavi, Iair; Howell, D. Andrew; Kasen, Daniel; Bildsten, Lars; Hosseinzadeh, Griffin; McCully, Curtis; Wong, Zheng Chuen; Katz, Sarah Rebekah; Gal-Yam, Avishay; Sollerman, Jesper; and 43 coauthors; 2017, Nature, 551, 210 ([2017Natur.551..210A](#))
12. A Multi-telescope Campaign on FRB 121102: Implications for the FRB Population
Law, C. J.; Abruzzo, M. W.; Bassa, C. G.; Bower, G. C.; Burke-Spolaor, S.; Butler, B. J.; Cantwell, T.; Carey, S. H.; Chatterjee, S.; Cordes, J. M.; and 26 coauthors; 2017, The Astrophysical Journal, 850, 76 ([2017ApJ...850...76L](#))
13. Multi-messenger Observations of a Binary Neutron Star Merger
Abbott, B. P.; Abbott, R.; Abbott, T. D.; Acernese, F.; Ackley, K.; Adams, C.; Adams, T.; Addesso, P.; Adhikari, R. X.; Adya, V. B.; and 3667 coauthors; 2017, The Astrophysical Journal Letters, 848, 12 ([2017ApJ...848L..12A](#))
14. A Tale of Two Transients: GW 170104 and GRB 170105A
Bhalerao, V.; Kasliwal, M. M.; Bhattacharya, D.; Corsi, A.; Aarthy, E.; Adams, S. M.; Blagorodnova, N.; Cantwell, T.; Cenko, S. B.; Fender, R.; and 23 coauthors; 2017, The Astrophysical Journal, 845, 152 ([2017ApJ...845..152B](#))
15. iPTF16fnl: A Faint and Fast Tidal Disruption Event in an E+A Galaxy
Blagorodnova, N.; Gezari, S.; Hung, T.; Kulkarni, S. R.; Cenko, S. B.; Pasham, D. R.; Yan, L.; Arcavi, I.; Ben-Ami, S.; Bue, B. D.; and 23 coauthors; 2017, The Astrophysical Journal, 844, 46 ([2017ApJ...844..46B](#))
16. A VLA Search for Radio Signals from M31 and M33
Gray, R.; K. P. **Mooley**; The Astronomical Journal, 153, 110 ([2017AJ....153..110G](#))

17. A Millisecond Pulsar Toward the Galactic Center GeV Excess
Bhakta, D.; Deneva, J.; Frail, D. A.; de Gasperin, F.; Intema, H. T.; Jagannathan, P.; **Mooley**, K. P.; MNRAS, 468, 2526 ([2017MNRAS.468.2526B](#))
18. Rapid Radio Flaring during an Anomalous Outburst of SS Cyg
K. P. **Mooley**; J. C. A. Miller-Jones; R. P. Fender; G. R. Sivakoff; C. Rumsey; Y. Perrott; D. Titterton; K. Grainge; and 7 coauthors; MNRAS Letters, 467, 31 ([2017MNRAS.467L..31M](#))
19. iPTF Discovery of the Rapid "Turn On" of a Luminous Quasar
Gezari, S.; Hung, T.; Cenko, S. B.; Blagorodnova, N.; Yan, Lin; Kulkarni, S. R.; **Mooley**, K.; Kong, A. K. H.; Cantwell, T. M.; Yu, P. C.; and 6 coauthors; The Astrophysical Journal, accepted ([2016arXiv161204830G](#))
20. The peculiar mass-loss history of supernova SN 2014C as revealed through AMI radio observations
G. E. Anderson; A. Horesh; K. P. **Mooley**; A. P. Rushton; R. P. Fender; T. D. Staley; S. R. Kulkarni; and 10 coauthors; MNRAS, 466, 3648 ([2017MNRAS.466.3648A](#))
21. Flares, wind and nebulae: the 2015 December mini-outburst of V404 Cygni
T. Munoz-Darias; J. Casares; D. Mata Sanchez; R. P. Fender; M. Armas Padilla; K. **Mooley**; L. Hardy; P. A. Charles; G. Ponti; and 14 coauthors; MNRAS Letters ([2017MNRAS.465L.124M](#))
22. Living on a Flare: Relativistic Reflection in V404 Cyg Observed by NuSTAR During its Summer 2015 Outburst
Walton, D. J.; **Mooley**, K.; King, A. L.; Tomsick, J. A.; Miller, J. M.; Dauser, T.; Garcia, J.; Bachetti, M.; Brightman, M.; Fabian, A. C.; and 12 coauthors; The Astrophysical Journal, accepted ([2016arXiv160901293W](#))
23. Evidence for magnetic field compression in shocks within the jet of V404 Cyg
Shahbaz, T.; Russell, D. M.; Covino, S.; **Mooley**, K.; Fender, R. P.; Rumsey, C.; 2016, MNRAS ([2016MNRAS.463.1822S](#))
24. The Caltech-NRAO Stripe 82 Survey (CNSS). I. The Pilot Radio Transient Survey In 50 deg²
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.; and 3 coauthors 18; 2016, The Astrophysical Journal ([2016ApJ...818..105M](#))
25. Known Pulsars Identified in the GMRT 150 MHz All-Sky Survey
Frail, D. A.; Jagannathan, P.; **Mooley**, K. P.; Intema, H. T.; 2016, The Astrophysical Journal ([2016ApJ...829..119F](#))
26. Pulsar candidates towards Fermi unassociated sources
Frail, D. A.; **Mooley**, K. P.; Jagannathan, P.; Intema, H. T.; 2016, MNRAS ([2016MNRAS.461.1062F](#))
27. On Associating Fast Radio Bursts with Afterglows
Vedantham, H. K.; Ravi, V.; **Mooley**, K.; Frail, D.; Hallinan, G.; Kulkarni, S. R.; 2016, The Astrophysical Journal ([2016ApJ...824L..9V](#))
28. The Circumgalactic Medium of Submillimeter Galaxies. I. First Results from a Radio-Identified Sample
Fu, Hai; Hennawi, J. F.; Prochaska, J. X.; Mutel, R.; Casey, C.; Cooray, A.; Kere, D.; Zhang, Z.-Y.; Clements, D.; Isbell, J.; and 7 coauthors; 2016, The Astrophysical Journal ([2016ApJ...832...52F](#))
29. A multi-resolution, multi-epoch low radio frequency survey of the Kepler K2 mission Campaign 1 field
Tingay, S. J.; Hancock, P. J.; Wayth, R. B.; Intema, H.; Jagannathan, P.; **Mooley**, K.; 2016, The Astronomical Journal ([2016AJ....152...82T](#))
30. Regulation of black-hole accretion by a disk wind during a violent outburst of V404 Cygni
Muoz-Darias, T.; Casares, J.; Mata Sanchez, D.; Fender, R. P.; Armas Padilla, M.; Linares, M.; Ponti, G.; Charles, P. A.; **Mooley**, K. P.; Rodriguez, J.; 2016, Nature ([2016Natur.534...75M](#))
31. The XXL Survey. IX. Optical overdensity and radio continuum analysis of a supercluster at $z = 0.43$
Baran, N.; Smoli, V.; Milakovi, D.; Novak, M.; Delhaize, J.; Gastaldello, F.; Ramos-Ceja, M. E.; Pacaud, F.; Bourke, S.; Carilli, C. L.; and 11 coauthors; 2016, Astronomy & Astrophysics ([2016A&A...592A...8B](#))
32. The GMRT 150 MHz All-sky Radio Survey: First Alternative Data Release TGSS ADR1
Intema, H. T.; Jagannathan, P.; **Mooley**, K. P.; Frail, D. A.; 2016, Astronomy & Astrophysics ([2016arXiv160304368I](#))
33. Furiously fast and red: sub-second optical flaring in V404 Cyg during the 2015 outburst peak
Gandhi, P.; Littlefair, S. P.; Hardy, L. K.; Dhillon, V. S.; Marsh, T. R.; Shaw, A. W.; Altamirano, D.; Caballero-Garcia, M. D.; Casares, J.; Casella, P.; and 18 coauthors; 2016, MNRAS ([2016MNRAS.459..554G](#))
34. High-energy gamma-ray observations of the accreting black hole V404 Cygni during its June 2015 outburst
Loh, A.; Corbel, S.; Dubus, G.; Rodriguez, J.; Grenier, I.; Hovatta, T.; Pearson, T.; Readhead, A.; Fender, R.; **Mooley**, K.; 2016, MNRAS Letters ([2016MNRAS.462L.111L](#))
35. A Survey for H α Emission from Late L Dwarfs and T Dwarfs
Pineda, J. Sebastian; Hallinan, Gregg; Kirkpatrick, J. Davy; Cotter, Garret; Kao, Melodie M.; **Mooley**, Kunal; 2016, The Astrophysical Journal ([2016ApJ...826...73P](#))

36. Physical properties of $z > 4$ submillimeter galaxies in the COSMOS field
Smoli, V.; Karim, A.; Miettinen, O.; Novak, M.; Magnelli, B.; Riechers, D. A.; Schinnerer, E.; Capak, P.; Bondi, M.; Ciliegi, P.; and 24 coauthors; 2015, *Astronomy & Astrophysics* ([2015A&A...576A.127S](#))
37. New insights from deep VLA data on the potentially recoiling black hole CID-42 in the COSMOS field
Novak, Mladen; Smoli, Vernesa; Civano, Francesca; Bondi, Marco; Ciliegi, Paolo; Wang, Xiawei; Loeb, Abraham; Banfield, Julie; Bourke, Stephen; Elvis, Martin; and 5 coauthors; 2015, *The Astrophysical Journal* ([2015MNRAS.447.1282N](#))
38. Study of X-ray emission from the old open cluster, M67
Mooley, K. P.; Singh, K. P.; 2015, *MNRAS* ([2015MNRAS.452.3394M](#))
39. A Multi-wavelength Investigation of the Radio-loud Supernova PTF11qej and its Circumstellar Environment
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.; and 13 coauthors; 2014, *The Astrophysical Journal* ([2014ApJ...782...42C](#))
40. B- and A-type Stars in the Taurus-Auriga Star-forming Region
Mooley, Kunal; Hillenbrand, Lynne; Rebull, Luisa; Padgett, Deborah; Knapp, Gillian, 2013, *The Astrophysical Journal* ([2013ApJ...771..110M](#))
41. Sensitive Search for Radio Variables and Transients in the Extended Chandra Deep Field South
Mooley, K. P.; Frail, D. A.; Ofek, E. O.; Miller, N. A.; Kulkarni, S. R.; Horesh, A.; 2013, *The Astrophysical Journal* ([2013ApJ...768..165M](#))
42. X-Ray Transients in the Advanced LIGO/Virgo Horizon
Kanner, Jonah; Baker, John; Blackburn, Lindy; Camp, Jordan; **Mooley**, Kunal; Mushotzky, Richard; Ptak, Andy; 2013, *The Astrophysical Journal* ([2013ApJ...774...63K](#))
43. Birth of a relativistic outflow in the unusual γ -ray transient Swift J164449.3+573451
Zauderer, B. A.; Berger, E.; Soderberg, A. M.; Loeb, A.; Narayan, R.; Frail, D. A.; Petitpas, G. R.; Brunthaler, A.; Chornock, R.; Carpenter, J. M.; and 17 coauthors; 2011, *Nature* ([2011Natur.476..425Z](#))

CONFERENCE PROCEEDINGS

1. Rapid Processing of Radio Interferometer Data for Transient Surveys
Bourke, S.; **Mooley**, K.; Hallinan, G.; 2016 ([2014ASPC..485..367B](#))
2. MeerKAT Science: On the Pathway to the SKA
Fender, R.; Woudt, P. A.; Armstrong, R.; Groot, P.; McBride, V.; Miller-Jones, J.; **Mooley**, K.; Stappers, B.; Wijers, R.; Bietenholz, M.; and 52 coauthors; *Proceedings of Science 2018* ([2017arXiv171104132F](#))

CIRCULARS/ TELEGRAMS

1. GRB 161108A: 15 GHz upper limits from AMI
Mooley, K. P.; Staley, T. D.; Fender, R. P.; Anderson, G. E.; Cantwell, T.; Titterington, D.; Carey, S. H.; Hickish, J.; Perrott, Y. C.; Razavi-Ghods, N.; and 3 coauthors ([2016GCN..20200...1M](#))
2. GRB 161022A: 15 GHz upper limits from AMI
Mooley, K. P.; Staley, T. D.; Fender, R. P.; Anderson, G. E.; Cantwell, T.; Titterington, D.; Carey, S. H.; Hickish, J.; Perrott, Y. C.; Razavi-Ghods, N.; and 3 coauthors ([2016GCN..20143...1M](#))
3. GRB 161017A: 15 GHz upper limits from AMI
Mooley, K. P.; Staley, T. D.; Fender, R. P.; Anderson, G. E.; Cantwell, T.; Titterington, D.; Carey, S. H.; Hickish, J.; Perrott, Y. C.; Razavi-Ghods, N.; and 3 coauthors ([2016GCN..20142...1M](#))
4. GRB 161015A: 15 GHz upper limits from AMI
Mooley, K. P.; Staley, T. D.; Fender, R. P.; Anderson, G. E.; Cantwell, T.; Titterington, D.; Carey, S. H.; Hickish, J.; Perrott, Y. C.; Razavi-Ghods, N.; and 3 coauthors ([2016GCN..20116...1M](#))
5. GRB 161014A: 15 GHz upper limits from AMI
Mooley, K. P.; Staley, T. D.; Fender, R. P.; Anderson, G. E.; Cantwell, T.; Titterington, D.; Carey, S. H.; Hickish, J.; Perrott, Y. C.; Razavi-Ghods, N.; and 3 coauthors ([2016GCN..20115...1M](#))
6. GRB 161011A: 15 GHz upper limits from AMI
Mooley, K. P.; Staley, T. D.; Fender, R. P.; Anderson, G. E.; Cantwell, T.; Titterington, D.; Carey, S. H.; Hickish, J.; Perrott, Y. C.; Razavi-Ghods, N.; and 3 coauthors ([2016GCN..20084...1M](#))
7. GRB 161007A: 15 GHz upper limits from AMI
Mooley, K. P.; Staley, T. D.; Fender, R. P.; Anderson, G. E.; Cantwell, T.; Titterington, D.; Carey, S. H.; Hickish, J.; Perrott, Y. C.; Razavi-Ghods, N.; and 3 coauthors ([2016GCN..20083...1M](#))

8. GRB 160927A: 15 GHz upper limits from AMI
Mooley, K. P.; Staley, T. D.; Fender, R. P.; Anderson, G. E.; Cantwell, T.; Titterington, D.; Carey, S. H.; Hickish, J.; Perrott, Y. C.; Razavi-Ghods, N.; and 3 coauthors ([2016GCN..19978...1M](#))
9. GRB 160917A: 15 GHz upper limits from AMI
Mooley, K. P.; Staley, T. D.; Fender, R. P.; Anderson, G. E.; Cantwell, T.; Titterington, D.; Carey, S. H.; Hickish, J.; Perrott, Y. C.; Razavi-Ghods, N.; and 3 coauthors ([2016GCN..19951...1M](#))
10. GRB 160912A: 15 GHz upper limits from AMI
Mooley, K. P.; Staley, T. D.; Fender, R. P.; Anderson, G. E.; Cantwell, T.; Titterington, D.; Carey, S. H.; Hickish, J.; Perrott, Y. C.; Razavi-Ghods, N.; and 3 coauthors ([2016GCN..19950...1M](#))
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