

David L. Kaplan

Professor, Department of Physics, University of Wisconsin-Milwaukee
3135 N Maryland Ave, Milwaukee, WI 53211
☎ (414) 229-4971 | ✉ kaplan@uwm.edu | 🏠 <https://dlakaplan.github.io/>

Research Interests

Pulsars, young neutron stars, and magnetars
White dwarfs and binaries
Millisecond pulsars and binaries
Multi-wavelength/multi-messenger transients
Radio, optical, X-ray instrumentation and signal processing

Employment

University of Wisconsin-Milwaukee <i>Professor, Department of Physics</i>	Milwaukee, WI 2021 – present
University of Wisconsin-Milwaukee <i>Associate Professor, Department of Physics</i>	Milwaukee, WI 2014 – 2021
University of Wisconsin-Madison <i>Visiting Associate Professor, Department of Astronomy</i>	Madison, WI 2014 – present
University of Wisconsin-Milwaukee <i>Assistant Professor, Department of Physics</i>	Milwaukee, WI 2010 – 2014
University of Wisconsin-Madison <i>Visiting Assistant Professor, Department of Astronomy</i>	Madison, WI 2010 – 2014
University of California Santa Barbara <i>Hubble Postdoctoral Fellow</i>	Santa Barbara, CA 2008 – 2010
MIT Kavli Institute <i>Hubble Postdoctoral Fellow</i>	Cambridge, MA 2007 – 2008
MIT Kavli Institute <i>Pappalardo Postdoctoral Fellow</i>	Cambridge, MA 2004 – 2007

Education

California Institute of Technology <i>Ph.D. Astrophysics</i> <ul style="list-style-type: none">“Neutron Star Diversity: Nearby Thermally Emitting Neutron Stars and the Compact Central Objects in Supernova Remnants” — Research Advisor: Professor Shri R. Kulkarni	Pasadena, CA 2004
Cornell University <i>B.S. Applied and Engineering Physics</i>	Ithaca, NY 1999

Grants and Proposals

Total extramural funding as PI	\$1,811,480
Total extramural funding	\$24,812,976
NSF Physics Frontiers Center <i>North American Nanohertz Observatory for Gravitational Waves (SIs David Kaplan, Sarah Vigeland)</i> Subaward from Oregon State University, PI Xavier Siemens	\$1,614,514 2021 – 2026

NSF Physics Frontiers Center	\$2,476,299 (UWM: \$461,802)
<i>North American Nanohertz Observatory for Gravitational Waves (PI Xavier Siemens, SI David Kaplan)</i>	2020 – 2021
NSF Astronomy & Astrophysics Grant	\$532,687
<i>Einstein@Home (Bruce Allen, David Kaplan, Maria Alessandra Papa, Xavier Siemens)</i>	2018 – 2021
NSF Astronomy & Astrophysics Grant	\$493,436
<i>Explosions Near and Far (PI David Kaplan)</i>	2018 – 2021
NSF Gravity Program	\$2,765,000 (UWM: \$703,930)
<i>A Framework for Data Intensive Discovery in Multimessenger Astrophysics (SCiMMA) (Patrick Brady, Warren Anderson, Phil Chang, David Kaplan)</i>	2019 – 2021
NSF Physics Frontiers Center	\$14,346,573 (UWM: \$2,488,332)
<i>North American Nanohertz Observatory for Gravitational Waves (PI Xavier Siemens, SI David Kaplan)</i>	2015 – 2020
NSF Partnerships in International Research and Education	\$150,269
<i>PIRE: GROWTH: Global Relay of Observatories Watching Transients Happen (PI David Kaplan)</i>	2015 – 2020
Subaward from Caltech, PI Mansi Kasliwal	
NSF Gravity Program	\$262,279
<i>Scalable Cyberinfrastructure in Multimessenger Astrophysics (Patrick Brady, Warren Anderson, Phil Chang, David Kaplan)</i>	2018 – 2020
NSF Major Research Instrumentation	\$874,669
<i>MRI: Acquisition of a High-Capacity Data Analysis System for Gravitational-Wave Detection with Advanced LIGO (Patrick Brady, Jolien Creighton, Tom Downes, David Kaplan, and Alan Wiseman)</i>	2016 – 2019
WI SPACE GRANT CONSORTIUM	\$3,000
<i>RockSat Program (PI David Kaplan)</i>	2019 – 2019
WI SPACE GRANT CONSORTIUM	\$3,000
<i>RockSatC Program (PI David Kaplan)</i>	2018 – 2018
Research Corporation of America	\$50,000
<i>Identifying the origin of the Extreme Scattering Events (PI David Kaplan)</i>	2017 – 2017
Space Telescope Science Institute HST Guest Observer	\$39,609
<i>A $1.05 M_{\odot}$ Companion to PSR J2222–0137: The Coolest Known White Dwarf? (PI David Kaplan)</i>	2014 – 2017
NSF Astronomy & Astrophysics Grant	\$232,096
<i>Variables and Slow Transients with the Murchison Widefield Array (PI David Kaplan)</i>	2014 – 2017
NSF Astronomy & Astrophysics Grant	\$254,800
<i>Isolated Neutron Stars: The Impact of Magnetic Field Decay (PI David Kaplan)</i>	2013 – 2017
Smithsonian Astrophysical Observatory Chandra Guest Observer	\$9,874
<i>Following the temperature of a neutron star (PI David Kaplan)</i>	2014 – 2016
Jet Propulsion Laboratory Spitzer Guest Observer	\$5,000
<i>A Mid-Infrared Search for the Outer Companion in a Millisecond Pulsar Triple System (PI David Kaplan)</i>	2014 – 2016
NASA XMM Guest Observer	\$58,342
<i>The First X-ray Observations of Four Exotic New Millisecond Pulsars (PI David Kaplan)</i>	2014 – 2016
UWM Research Growth Initiative	\$126,500.00
<i>Isolated Neutron Stars: The Impact of Magnetic Field Decay (PI David Kaplan)</i>	2012 – 2016
NASA Fermi Guest Observer	\$50,821
<i>The Eclipsing Millisecond Pulsar J1816+4510 and its Strange Companion (PI David Kaplan)</i>	2012 – 2014
Smithsonian Astrophysical Observatory Chandra Guest Observer	\$24,276
<i>Are Long-period, Strong-field Radio Pulsars Progenitors of Isolated Neutron Stars? (PI David Kaplan)</i>	2011 – 2014

NSF Astronomy & Astrophysics Grant	\$292,368
<i>Collaborative Research: Booming or Beaming? Sorting out the Dynamic Radio Universe (PI David Kaplan)</i>	2010 – 2014
Space Telescope Science Institute HST Guest Observer	\$42,422
<i>Optical and Ultraviolet Photometry of Isolated Neutron Stars (PI David Kaplan)</i>	2011 – 2013
NSF Astronomy & Astrophysics Grant	\$35,837
<i>Low-frequency radio transient science with the MWA (PI David Kaplan)</i>	2009 – 2012
Subaward from MIT (PI: Deepto Chakrabarty)	
NASA XMM Guest Observer	\$66,330
<i>Measuring the Spin-down of Two Nearby Isolated Neutron Stars (PI David Kaplan)</i>	2010 – 2011
Subaward from UCSB (PI: Omer Blaes)	

Awards and Honors

American Astronomical Society High Energy Division Bruno Rossi Prize (to the NANOGrav Collaboration)	2025
UWM Research Foundation Excellence in Research Award	2018
Research Corporation Scialog Time Domain Astrophysics Fellow	2015 – 2016
Milton and Francis Clauser Doctoral Dissertation Prize	Caltech, 2004
Hertz Foundation Graduate Fellowship	1999 – 2004
Hartmann Award for Experimental Physics	Cornell, 1999
Goldwater Fellowship	Cornell, 1997 – 1999

Professional Service and Appointments

NRAO Very Large Array Sky Survey Epoch 4 Review	2024
<i>Panel Chair</i>	
NASA Infrared Science Archive (IRSA) Users' Committee	2022 – present
<i>Panel Member</i>	
Astro2020 Panel on Radio, Millimeter, and Submillimeter Instrumentation (National Academy of Sciences)	2019 – 2021
<i>Panel Member</i>	
Monthly Notices of the Royal Astronomical Society	2020 – present
<i>Editorial Board</i>	
OVRO-Long Wavelength Array	2019
<i>Technical Advisory Committee Member</i>	
Milwaukee Urban Observatory	2018
<i>Co-Founder</i>	
North American Nanohertz Observatory for Gravitational Waves (NANOGrav)	
<i>Associate Member</i>	2014 – 2015
<i>Full Member</i>	2016 – present
<i>Climate & Equity Committee Chair</i>	2018 – 2020
ARC Centre of Excellence for Gravitational Wave Discovery (OzGrav)	2018 – present
<i>Associate Investigator</i>	

Pulsars and Transients session/Summary talk at U.S. Radio/Millimeter/Submillimeter Science Futures II	2016
<i>Session Organizer and Summary Talk</i>	Baltimore, MD
Murchison Widefield Array	
<i>Chair, Transient Science Team</i>	2010 – 2018
<i>Project Scientist</i>	2016 – 2017
<i>Transient Science Team; Science/Technical Alignment Group</i>	2007 – 2010
Australia SKA Pathfinder (ASKAP) Variables and Slow Transients (VAST)	
<i>Co-PI</i>	2017 – present
<i>collaboration work-group 6 leader</i>	2009 – 2017
Large Scale Synoptic Telescope (LSST) Transient Science Collaboration	2011 – present
<i>Member</i>	
Scientific Organizing Committee: “Gravitational Wave Physics & Astronomy”	2011
Co-Sponsor: AAS High Energy Astrophysics Division (HEAD) special session “Transient Astronomy in the Advanced LIGO Era: Electromagnetic Counter-parts to Gravitational-Wave Signals”	2011
Constellation-X Facility Science Team Science Panel	2006
NASA Astrophysics Data Analysis Program (ADAP) Review Panel	2016
Hubble Space Telescope Review Panel	2013, 2015, 2019, 2021, 2022
National Optical Astronomy Observatory Review Panel	2015 – 2018
National Radio Astronomy Observatory Review Panel	2006 – 2007, 2013 – 2015, 2025 -
Arecibo Observatory Review Panel	2018 – 2019
Chandra X-ray Observatory Review Panel	2007, 2010, 2012, 2014, 2021, 2023 (chair)
Suzaku X-ray Observatory Review Panel	2009
NASA Astrophysics Theory Program (ATP) Review Panel	2011
National Science Foundation Review Panel	2015, 2017, 2018
James Webb Space Telescope Review Panel	2021, 2024
Peer review	2000 – present
<i>Nature, The Astrophysical Journal, The Astrophysical Journal Letters, The Astronomical Journal, Monthly Notices of the Royal Astronomical Society, Astronomy & Astrophysics</i>	

Refereed Publications

Total refereed publications	358
Total refereed publications as first author	48
Total citations	28,464
Total citations to first author papers	1,886
h-index	83

358. “Constraints on LIGO/Virgo compact object mergers from late-time radio observations,” Gulati, A., Murphy, T., Dobie, D., Deller, A., Kaplan, D. L., Lenc, E., Mandel, I., Duchesne, S., & Moss, V. 2025, *Monthly Notices of the Royal Astronomical Society*, 538, 2676
357. “The Anomalous Acceleration of PSR J2043+1711: Long-period Orbital Companion or Stellar Flyby?,” Donlon, T., Chakrabarti, S., Lam, M. T., Huber, D., Hey, D., Ramirez-Ruiz, E., Shappee, B., et al. 2025, *The Astrophysical Journal*, 983, 62
356. “The emission of interpulses by a 6.45-h-period coherent radio transient,” Lee, Y. W. J., Caleb, M., Murphy, T., Lenc, E., Kaplan, D. L., Ferrario, L., Wadiasingh, Z., et al. 2025, *Nature Astronomy*, 9, 393

355. “Prospects for Systematic Planetary Nebulae Detection with the Census of the Local Universe Narrowband Survey,” Du, R., Cook, D. O., Bhattacharjee, S., Kulkarni, S. R., Fremling, C., Kaplan, D. L., Kasliwal, M. M., et al. 2025, *Publications of the Astronomical Society of the Pacific*, 137, 024203
354. “The NANOGrav 15 Yr Data Set: Removing Pulsars One by One from the Pulsar Timing Array,” Agazie, G., Anumalapudi, A., Archibald, A. M., Arzoumanian, Z., Baier, J. G., Baker, P. T., Bécsy, B., et al. 2025, *The Astrophysical Journal*, 978, 168
353. “The NANOGrav 15 yr Data Set: Looking for Signs of Discreteness in the Gravitational-wave Background,” Agazie, G., Anumalapudi, A., Archibald, A. M., Arzoumanian, Z., Baier, J. G., Baker, P. T., Bécsy, B., et al. 2025, *The Astrophysical Journal*, 978, 31
352. “Calibrating the Clock of JWST,” Shaw, A. W., Kaplan, D. L., Gandhi, P., Maccarone, T. J., Borowski, E. S., Britt, C. T., Buckley, D. A. H., et al. 2025, *The Astronomical Journal*, 169, 21
351. “Pulse Profile Variability of PSR J1022+1001 in NANOGrav Data,” Fiore, W., McLaughlin, M. A., Agazie, G., Anumalapudi, A., Archibald, A. M., Arzoumanian, Z., Baker, P. T., et al. 2024, *The Astronomical Journal*, arXiv:2412.05452
350. “Detection of X-ray Emission from a Bright Long-Period Radio Transient,” Wang, Z., Rea, N., Bao, T., Kaplan, D. L., Lenc, E., Wadiasingh, Z., Hare, J., et al. 2024, *Nature*, in press, arXiv:2411.16606
349. “The NANOGrav 15 yr Data Set: Harmonic Analysis of the Pulsar Angular Correlations,” Agazie, G., Baier, J. G., Baker, P. T., Bécsy, B., Blecha, L., Boddy, K. K., Brazier, A., et al. 2024, *arXiv e-prints*, arXiv:2411.13472
348. “Galaxy Tomography with the Gravitational Wave Background from Supermassive Black Hole Binaries,” Chen, Y., Daniel, M., D’Orazio, D. J., Mitridate, A., Sagunski, L., Xue, X., Agazie, G., et al. 2024, *arXiv e-prints*, arXiv:2411.05906
347. “The Sydney Radio Star Catalogue: Properties of radio stars at megahertz to gigahertz frequencies,” Driessen, L. N., Pritchard, J., Murphy, T., Heald, G., Robrade, J., Das, B., Duchesne, S. W., et al. 2024, *Publications of the Astronomical Society of Australia*, 41, e084
346. “A two-minute burst of highly polarized radio emission originating from low Galactic latitude,” Dobie, D., Zic, A., Oswald, L. S., Pritchard, J., Lower, M. E., Wang, Z., Qiu, H., et al. 2024, *Monthly Notices of the Royal Astronomical Society*, 535, 909
345. “Late-time supernovae radio re-brightening in the VAST pilot survey,” Rose, K., Horesh, A., Murphy, T., Kaplan, D. L., Sfaradi, I., Ryder, S. D., Aloisi, R. J., et al. 2024, *Monthly Notices of the Royal Astronomical Society*, 534, 3853
344. “An Image-based Search for Pulsar Candidates in the MeerKAT Bulge Survey,” Frail, D. A., Polisensky, E., Hyman, S. D., Cotton, W. D., Kassim, N. E., Silverstein, M. L., Sengar, R., et al. 2024, *The Astrophysical Journal*, 975, 34
343. “Radio Afterglows from Tidal Disruption Events: An Unbiased Sample from ASKAP RACS,” Anumalapudi, A., Dobie, D., Kaplan, D. L., Murphy, T., Horesh, A., Lenc, E., Driessen, L., et al. 2024, *The Astrophysical Journal*, 974, 241
342. “An Untargeted Search for Radio-emitting Tidal Disruption Events in the VAST Pilot Survey,” Dykaar, H., Drout, M. R., Gaensler, B. M., Kaplan, D. L., Murphy, T., Horesh, A., Anumalapudi, A., et al. 2024, *The Astrophysical Journal*, 973, 104
341. “An emission-state-switching radio transient with a 54-minute period,” Caleb, M., Lenc, E., Kaplan, D. L., Murphy, T., Men, Y. P., Shannon, R. M., Ferrario, L., et al. 2024, *Nature Astronomy*, 8, 1159
340. “Results of the follow-up of ANTARES neutrino alerts,” Albert, A., Alves, S., André, M., Ardid, M., Ardid, S., Aubert, J.-J., Aublin, J., et al. 2024, *Journal of Cosmology and Astroparticle Physics*, 2024, 042
339. “The NANOGrav 15 yr Data Set: Chromatic Gaussian Process Noise Models for Six Pulsars,” Larsen, B., Mingarelli, C. M. F., Hazboun, J. S., Chalumeau, A., Good, D. C., Simon, J., Agazie, G., et al. 2024, *The Astrophysical Journal*, 972, 49
338. “PINT: Maximum-likelihood Estimation of Pulsar Timing Noise Parameters,” Susobhanan, A., Kaplan, D. L., Archibald, A. M., Luo, J., Ray, P. S., Pennucci, T. T., Ransom, S. M., et al. 2024, *The Astrophysical Journal*, 971, 150
337. “The Green Bank 820 MHz Pulsar Survey. I. Survey Overview and Initial Results,” McEwen, A. E., Lynch, R. S., Kaplan, D. L., Bolda, C., Sengar, R., Fonseca, E., Agoudemos, T., et al. 2024, *The Astrophysical Journal*, 969, 118
336. “NANOGrav 15-year gravitational-wave background methods,” Johnson, A. D., Meyers, P. M., Baker, P. T., Cornish, N. J., Hazboun, J. S., Littenberg, T. B., Romano, J. D., et al. 2024, *Physical Review D*, 109, 103012
335. “Comparing Recent Pulsar Timing Array Results on the Nanohertz Stochastic Gravitational-wave Background,” Agazie, G., Antoniadis, J., Anumalapudi, A., Archibald, A. M., Arumugam, P., Arumugam, S., Arzoumanian, Z., et al. 2024, *The Astrophysical Journal*, 966, 105
334. “Multi-epoch sampling of the radio star population with the Australian SKA Pathfinder,” Pritchard, J., Murphy, T., Heald, G., Wheatland, M. S., Kaplan, D. L., Lenc, E., O’Brien, A., & Wang, Z. 2024, *Monthly Notices of the Royal Astronomical Society*, 529, 1258
333. “An Unusual Pulse Shape Change Event in PSR J1713+0747 Observed with the Green Bank Telescope and CHIME,” Jennings, R. J., Cordes, J. M., Chatterjee, S., McLaughlin, M. A., Demorest, P. B., Arzoumanian, Z., Baker, P. T., et al. 2024, *The Astrophysical Journal*, 964, 179

332. “Intensive Swift and LCO Monitoring of PG 1302–102: Active Galactic Nucleus Disk Reverberation Mapping of a Supermassive Black Hole Binary Candidate,” Liu, T., Edelson, R., Hernández Santisteban, J. V., Kara, E., Montano, J., Gelbord, J., Horne, K., Barth, A. J., Cackett, E. M., & Kaplan, D. L. 2024, *The Astrophysical Journal*, 964, 167
331. “Discovery of radio eclipses from 4FGL J1646.5–4406: a new candidate redback pulsar binary,” Zic, A., Wang, Z., Lenc, E., Kaplan, D. L., Murphy, T., Ridolfi, A., Sengar, R., et al. 2024, *Monthly Notices of the Royal Astronomical Society*, 528, 5730
330. “The NANOGrav 15 yr Data Set: Search for Transverse Polarization Modes in the Gravitational-wave Background,” Agazie, G., Anumalapudi, A., Archibald, A. M., Arzoumanian, Z., Baier, J., Baker, P. T., Bécsy, B., et al. 2024, *The Astrophysical Journal*, 964, L14
329. “The NANOGrav 12.5 yr Data Set: A Computationally Efficient Eccentric Binary Search Pipeline and Constraints on an Eccentric Supermassive Binary Candidate in 3C 66B,” Agazie, G., Arzoumanian, Z., Baker, P. T., Bécsy, B., Blecha, L., Blumer, H., Brazier, A., et al. 2024, *The Astrophysical Journal*, 963, 144
328. “The Green Bank North Celestial Cap Survey. IX. Timing Follow-up for 128 Pulsars,” McEwen, A. E., Swiggum, J. K., Kaplan, D. L., Tan, C. M., Meyers, B. W., Fonseca, E., Agazie, G. Y., et al. 2024, *The Astrophysical Journal*, 962, 167
327. “Collapsars as Sites of r-process Nucleosynthesis: Systematic Photometric Near-infrared Follow-up of Type Ic-BL Supernovae,” Anand, S., Barnes, J., Yang, S., Kasliwal, M. M., Coughlin, M. W., Sollerman, J., De, K., et al. 2024, *The Astrophysical Journal*, 962, 68
326. “Discovery of a Young, Highly Scattered Pulsar PSR J1032–5804 with the Australian Square Kilometre Array Pathfinder,” Wang, Z., Kaplan, D. L., Sengar, R., Lenc, E., Zic, A., Anumalapudi, A., Gaensler, B. M., Hurley-Walker, N., Murphy, T., & Wang, Y. 2024, *The Astrophysical Journal*, 961, 175
325. “An optimized transient detection pipeline for the ASKAP Variables and Slow Transients (VAST) survey,” An, T., Lao, B., Xu, Z., Lu, S., Wang, Y., Murphy, T., Kaplan, D. L., & Guo, S. 2023, *Monthly Notices of the Royal Astronomical Society*, 526, 1809
324. “A LOFAR sample of luminous compact sources coincident with nearby dwarf galaxies,” Vohl, D., Vedantham, H. K., Hessels, J. W. T., Bassa, C. G., Cook, D. O., Kaplan, D. L., Shimwell, T. W., & Zhang, C. 2023, *Astronomy and Astrophysics*, 680, A98
323. “MWA rapid follow-up of gravitational wave transients: Prospects for detecting prompt radio counterparts,” Tian, J., Anderson, G. E., Cooper, A. J., Gourdji, K., Sokolowski, M., Rowlinson, A., Williams, A., et al. 2023, *Publications of the Astronomical Society of Australia*, 40, e050
322. “The NANOGrav 15 yr Data Set: Search for Anisotropy in the Gravitational-wave Background,” Agazie, G., Anumalapudi, A., Archibald, A. M., Arzoumanian, Z., Baker, P. T., Bécsy, B., Blecha, L., et al. 2023, *The Astrophysical Journal*, 956, L3
321. “Characterizing Pulsars Detected in the Rapid ASKAP Continuum Survey,” Anumalapudi, A., Ehlke, A., Jones, M. L., Kaplan, D. L., Dobie, D., Lenc, E., Leung, J. K., et al. 2023, *The Astrophysical Journal*, 956, 28
320. “Radio variable and transient sources on minute time-scales in the ASKAP pilot surveys,” Wang, Y., Murphy, T., Lenc, E., Mercorelli, L., Driessen, L., Pritchard, J., Lao, B., et al. 2023, *Monthly Notices of the Royal Astronomical Society*, 523, 5661
319. “A matched-filter approach to radio variability and transients: searching for orphan afterglows in the VAST Pilot Survey,” Leung, J. K., Murphy, T., Lenc, E., Edwards, P. G., Ghirlanda, G., Kaplan, D. L., O’Brien, A., & Wang, Z. 2023, *Monthly Notices of the Royal Astronomical Society*, 523, 4029
318. “The NANOGrav 15 yr Data Set: Constraints on Supermassive Black Hole Binaries from the Gravitational-wave Background,” Agazie, G., Anumalapudi, A., Archibald, A. M., Baker, P. T., Bécsy, B., Blecha, L., Bonilla, A., et al. 2023, *The Astrophysical Journal*, 952, L37
317. “The NANOGrav 12.5-year Data Set: Search for Gravitational Wave Memory,” Agazie, G., Arzoumanian, Z., Baker, P. T., Bécsy, B., Blecha, L., Blumer, H., Brazier, A., et al. 2023, *arXiv e-prints*, arXiv:2307.13797
316. “The NANOGrav 15 yr Data Set: Bayesian Limits on Gravitational Waves from Individual Supermassive Black Hole Binaries,” Agazie, G., Anumalapudi, A., Archibald, A. M., Arzoumanian, Z., Baker, P. T., Bécsy, B., Blecha, L., et al. 2023, *The Astrophysical Journal*, 951, L50
315. “Periodic Radio Emission from the T8 Dwarf WISE J062309.94–045624.6,” Rose, K., Pritchard, J., Murphy, T., Caleb, M., Dobie, D., Driessen, L., Duchesne, S. W., Kaplan, D. L., Lenc, E., & Wang, Z. 2023, *The Astrophysical Journal*, 951, L43
314. “The NANOGrav 15 yr Data Set: Search for Signals from New Physics,” Afzal, A., Agazie, G., Anumalapudi, A., Archibald, A. M., Arzoumanian, Z., Baker, P. T., Bécsy, B., et al. 2023, *The Astrophysical Journal*, 951, L11
313. “The NANOGrav 15 yr Data Set: Detector Characterization and Noise Budget,” Agazie, G., Anumalapudi, A., Archibald, A. M., Arzoumanian, Z., Baker, P. T., Bécsy, B., Blecha, L., et al. 2023, *The Astrophysical Journal*, 951, L10
312. “The NANOGrav 15 yr Data Set: Observations and Timing of 68 Millisecond Pulsars,” Agazie, G., Alam, M. F., Anumalapudi, A., Archibald, A. M., Arzoumanian, Z., Baker, P. T., Blecha, L., et al. 2023, *The Astrophysical Journal*, 951, L9
311. “The NANOGrav 15 yr Data Set: Evidence for a Gravitational-wave Background,” Agazie, G., Anumalapudi, A., Archibald, A. M.,

- Arzoumanian, Z., Baker, P. T., Bécsy, B., Blecha, L., et al. 2023, *The Astrophysical Journal*, 951, L8
310. “Constraints on Undetected Long-period Binaries in the Known Pulsar Population,” Jones, M. L., Kaplan, D. L., McLaughlin, M. A., & Lorimer, D. R. 2023, *The Astrophysical Journal*, 951, 20
 309. “Neutrino follow-up with the Zwicky transient facility: results from the first 24 campaigns,” Stein, R., Reusch, S., Franckowiak, A., Kowalski, M., Necker, J., Weimann, S., Kasliwal, M. M., et al. 2023, *Monthly Notices of the Royal Astronomical Society*, 521, 5046
 308. “A Search for Extragalactic Fast Blue Optical Transients in ZTF and the Rate of AT2018cow-like Transients,” Ho, A. Y. Q., Perley, D. A., Gal-Yam, A., Lunnan, R., Sollerman, J., Schulze, S., Das, K. K., et al. 2023, *The Astrophysical Journal*, 949, 120
 307. “Classical novae in the ASKAP pilot surveys,” Gulati, A., Murphy, T., Kaplan, D. L., Soria, R., Leung, J. K., Wang, Y., Pritchard, J., Lenc, E., Duchesne, S. W., & O’Brien, A. 2023, *Publications of the Astronomical Society of Australia*, 40, e025
 306. “A Pilot Study of Nulling in 22 Pulsars Using Mixture Modeling,” Anumalapudi, A., Swiggum, J. K., Kaplan, D. L., & Fichtenbauer, T. D. J. 2023, *The Astrophysical Journal*, 948, 32
 305. “The MSPSR π catalogue: VLBA astrometry of 18 millisecond pulsars,” Ding, H., Deller, A. T., Stappers, B. W., Lazio, T. J. W., Kaplan, D., Chatterjee, S., Briske, W., et al. 2023, *Monthly Notices of the Royal Astronomical Society*, 519, 4982
 304. “The Green Bank North Celestial Cap Survey. VII. 12 New Pulsar Timing Solutions,” Swiggum, J. K., Pleunis, Z., Parent, E., Kaplan, D. L., McLaughlin, M. A., Stairs, I. H., Spiewak, R., et al. 2023, *The Astrophysical Journal*, 944, 154
 303. “A very luminous jet from the disruption of a star by a massive black hole,” Andreoni, I., Coughlin, M. W., Perley, D. A., Yao, Y., Lu, W., Cenko, S. B., Kumar, H., et al. 2022, *Nature*, 612, 430
 302. “A pilot ASKAP survey for radio transients towards the Galactic Centre,” Wang, Z., Murphy, T., Kaplan, D. L., Bannister, K. W., Lenc, E., Leung, J. K., O’Brien, A., et al. 2022, *Monthly Notices of the Royal Astronomical Society*, 516, 5972
 301. “PSS: Pulsar Survey Scraper,” Kaplan, D. L. 2022, *Astrophysics Source Code Library*, ascl:2210.001
 300. “Searching for stellar flares from low-mass stars using ASKAP and TESS,” Rigney, J., Ramsay, G., Carley, E. P., Doyle, J. G., Gallagher, P. T., Wang, Y., Pritchard, J., Murphy, T., Lenc, E., & Kaplan, D. L. 2022, *Monthly Notices of the Royal Astronomical Society*, 516, 540
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