

Anne M Archibald

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

22,859
citations

109321

35
h-index

189892

50
g-index

52
all docs

52
docs citations

52
times ranked

29223
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Burst timescales and luminosities as links between young pulsars and fast radio bursts. <i>Nature Astronomy</i> , 2022, 6, 393-401. | 10.1 | 46 |
| 2 | Common-spectrum process versus cross-correlation for gravitational-wave searches using pulsar timing arrays. <i>Physical Review D</i> , 2021, 103, . | 4.7 | 24 |
| 3 | Highly polarized microstructure from the repeating FRB 20180916B. <i>Nature Astronomy</i> , 2021, 5, 594-603. | 10.1 | 66 |
| 4 | PINT: A Modern Software Package for Pulsar Timing. <i>Astrophysical Journal</i> , 2021, 911, 45. | 4.5 | 58 |
| 5 | Quasi-simultaneous Radio/X-Ray Observations of the Candidate Transitional Millisecond Pulsar 3FGL J1544.6+1125 during its Low-luminosity Accretion-disk State. <i>Astrophysical Journal</i> , 2021, 923, 3. | 4.5 | 3 |
| 6 | Quasi-simultaneous radio and X-ray observations of Aql X-1: probing low luminosities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 2858-2871. | 4.4 | 16 |
| 7 | A repeating fast radio burst source localized to a nearby spiral galaxy. <i>Nature</i> , 2020, 577, 190-194. | 27.8 | 297 |
| 8 | The GBT 350-MHz Drift Scan Pulsar Survey – III. Detection of a magnetic field in the eclipsing material of PSR J2256+1024. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 3052-3064. | 4.4 | 15 |
| 9 | SciPy 1.0: fundamental algorithms for scientific computing in Python. <i>Nature Methods</i> , 2020, 17, 261-272. | 19.0 | 17,539 |
| 10 | The Green Bank North Celestial Cap Pulsar Survey. IV. Four New Timing Solutions. <i>Astrophysical Journal</i> , 2019, 875, 19. | 4.5 | 8 |
| 11 | FRB 121102 Bursts Show Complex Time-Frequency Structure. <i>Astrophysical Journal Letters</i> , 2019, 876, L23. | 8.3 | 230 |
| 12 | emcee v3: A Python ensemble sampling toolkit for affine-invariant MCMC. <i>Journal of Open Source Software</i> , 2019, 4, 1864. | 4.6 | 162 |
| 13 | An extreme magneto-ionic environment associated with the fast radio burst source FRB 121102. <i>Nature</i> , 2018, 553, 182-185. | 27.8 | 368 |
| 14 | The Green Bank Northern Celestial Cap Pulsar Survey. II. The Discovery and Timing of 10 Pulsars. <i>Astrophysical Journal</i> , 2018, 857, 131. | 4.5 | 14 |
| 15 | Simultaneous Chandra and VLA Observations of the Transitional Millisecond Pulsar PSR J1023+0038: Anti-correlated X-Ray and Radio Variability. <i>Astrophysical Journal</i> , 2018, 856, 54. | 4.5 | 43 |
| 16 | Universality of free fall from the orbital motion of a pulsar in a stellar triple system. <i>Nature</i> , 2018, 559, 73-76. | 27.8 | 121 |
| 17 | The Green Bank North Celestial Cap Pulsar Survey. III. 45 New Pulsar Timing Solutions. <i>Astrophysical Journal</i> , 2018, 859, 93. | 4.5 | 72 |
| 18 | Highest Frequency Detection of FRB 121102 at 4–8 GHz Using the Breakthrough Listen Digital Backend at the Green Bank Telescope. <i>Astrophysical Journal</i> , 2018, 863, 2. | 4.5 | 226 |

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|----|--|-----|-----------|
| 19 | A Search for Fast Radio Bursts with the GBNCC Pulsar Survey. <i>Astrophysical Journal</i> , 2017, 844, 140. | 4.5 | 54 |
| 20 | Toward an Empirical Theory of Pulsar Emission. XII. Exploring the Physical Conditions in Millisecond Pulsar Emission Regions. <i>Astrophysical Journal</i> , 2017, 845, 23. | 4.5 | 12 |
| 21 | Conquering systematics in the timing of the pulsar triple system J0337+1715: Towards a unique and robust test of the strong equivalence principle. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 342-343. | 0.0 | 0 |
| 22 | Testing the Universality of Free Fall with the Triple System J0337+1715. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 138-141. | 0.0 | 1 |
| 23 | Conquering systematics in the timing of the pulsar triple system J0337+1715: Towards a unique and robust test of the strong equivalence principle. <i>Journal of Physics: Conference Series</i> , 2017, 932, 012003. | 0.4 | 1 |
| 24 | ORDINARY X-RAYS FROM THREE EXTRAORDINARY MILLISECOND PULSARS: XMM-NEWTON OBSERVATIONS OF PSRs J0337+1715, J0636+5129, AND J0645+5158. <i>Astrophysical Journal</i> , 2016, 822, 37. | 4.5 | 38 |
| 25 | TIMING OBSERVATIONS OF PSR J1023+0038 DURING A LOW-MASS X-RAY BINARY STATE. <i>Astrophysical Journal</i> , 2016, 830, 122. | 4.5 | 65 |
| 26 | Search for optical pulsations in PSR J0337+1715. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 427-430. | 4.4 | 14 |
| 27 | DISCOVERY AND FOLLOW-UP OF ROTATING RADIO TRANSIENTS WITH THE GREEN BANK AND LOFAR TELESCOPES. <i>Astrophysical Journal</i> , 2015, 809, 67. | 4.5 | 77 |
| 28 | COORDINATED X-RAY, ULTRAVIOLET, OPTICAL, AND RADIO OBSERVATIONS OF THE PSR J1023+0038 SYSTEM IN A LOW-MASS X-RAY BINARY STATE. <i>Astrophysical Journal</i> , 2015, 806, 148. | 4.5 | 93 |
| 29 | RADIO IMAGING OBSERVATIONS OF PSR J1023+0038 IN AN LMXB STATE. <i>Astrophysical Journal</i> , 2015, 809, 13. | 4.5 | 79 |
| 30 | ACCRETION-POWERED PULSATIONS IN AN APPARENTLY QUIESCENT NEUTRON STAR BINARY. <i>Astrophysical Journal</i> , 2015, 807, 62. | 4.5 | 114 |
| 31 | DEEP <i>NuSTAR</i> AND <i>SWIFT</i> MONITORING OBSERVATIONS OF THE MAGNETAR 1E 1841-045. <i>Astrophysical Journal</i> , 2015, 807, 93. | 4.5 | 36 |
| 32 | A state change in the low-mass X-ray binary XSS J12270-4859. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 1825-1830. | 4.4 | 211 |
| 33 | <i>NuSTAR</i> OBSERVATIONS OF THE STATE TRANSITION OF MILLISECOND PULSAR BINARY PSR J1023+0038. <i>Astrophysical Journal</i> , 2014, 791, 77. | 4.5 | 58 |
| 34 | A STATE CHANGE IN THE MISSING LINK BINARY PULSAR SYSTEM PSR J1023+0038. <i>Astrophysical Journal</i> , 2014, 790, 39. | 4.5 | 168 |
| 35 | A NEW ACCRETION DISK AROUND THE MISSING LINK BINARY SYSTEM PSR J1023+0038. <i>Astrophysical Journal Letters</i> , 2014, 781, L3. | 8.3 | 117 |
| 36 | X-RAY OBSERVATIONS OF XSS J12270-4859 IN A NEW LOW STATE: A TRANSFORMATION TO A DISK-FREE ROTATION-POWERED PULSAR BINARY. <i>Astrophysical Journal</i> , 2014, 789, 40. | 4.5 | 61 |

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|----|---|------|-----------|
| 37 | THE GREEN BANK NORTHERN CELESTIAL CAP PULSAR SURVEY. I. SURVEY DESCRIPTION, DATA ANALYSIS, AND INITIAL RESULTS. <i>Astrophysical Journal</i> , 2014, 791, 67. | 4.5 | 192 |
| 38 | MILLISECOND PULSAR SCINTILLATION STUDIES WITH LOFAR: INITIAL RESULTS. <i>Astrophysical Journal Letters</i> , 2014, 790, L22. | 8.3 | 19 |
| 39 | SPECTROSCOPY OF THE INNER COMPANION OF THE PULSAR PSR J0337+1715. <i>Astrophysical Journal Letters</i> , 2014, 783, L23. | 8.3 | 19 |
| 40 | A millisecond pulsar in a stellar triple system. <i>Nature</i> , 2014, 505, 520-524. | 27.8 | 268 |
| 41 | THE GREEN BANK TELESCOPE 350 MHz DRIFT-SCAN SURVEY II: DATA ANALYSIS AND THE TIMING OF 10 NEW PULSARS, INCLUDING A RELATIVISTIC BINARY. <i>Astrophysical Journal</i> , 2013, 763, 81. | 4.5 | 107 |
| 42 | A PARALLAX DISTANCE AND MASS ESTIMATE FOR THE TRANSITIONAL MILLISECOND PULSAR SYSTEM J1023+0038. <i>Astrophysical Journal Letters</i> , 2012, 756, L25. | 8.3 | 101 |
| 43 | DISCOVERY OF THE OPTICAL/ULTRAVIOLET/GAMMA-RAY COUNTERPART TO THE ECLIPSING MILLISECOND PULSAR J1816+4510. <i>Astrophysical Journal</i> , 2012, 753, 174. | 4.5 | 39 |
| 44 | A CHANDRA X-RAY OBSERVATION OF THE BINARY MILLISECOND PULSAR PSR J1023+0038. <i>Astrophysical Journal</i> , 2011, 742, 97. | 4.5 | 111 |
| 45 | New Discoveries from the GBT 350-MHz Drift-Scan Survey. , 2011, , . | | 3 |
| 46 | X-RAY VARIABILITY AND EVIDENCE FOR PULSATIONS FROM THE UNIQUE RADIO PULSAR/X-RAY BINARY TRANSITION OBJECT FIRST J102347.6+003841. <i>Astrophysical Journal</i> , 2010, 722, 88-95. | 4.5 | 81 |
| 47 | SDSS J102347.6+003841: A MILLISECOND RADIO PULSAR BINARY THAT HAD A HOT DISK DURING 2000-2001. <i>Astrophysical Journal</i> , 2009, 703, 2017-2023. | 4.5 | 64 |
| 48 | A Radio Pulsar/X-ray Binary Link. <i>Science</i> , 2009, 324, 1411-1414. | 12.6 | 463 |
| 49 | Red Noise in Anomalous X-ray Pulsar Timing Residuals. <i>AIP Conference Proceedings</i> , 2008, , . | 0.4 | 5 |
| 50 | The Long-Term Radiative Evolution of Anomalous X-ray Pulsar 1E 2259+586 After Its 2002 Outburst. <i>Astrophysical Journal</i> , 2008, 686, 520-527. | 4.5 | 38 |
| 51 | No Detectable Radio Emission from the Magnetar-Like Pulsar in Kes 75. <i>Astrophysical Journal</i> , 2008, 688, 550-554. | 4.5 | 25 |