

Anne M Archibald

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

22,859
citations

109137

35
h-index

189595

50
g-index

52
all docs

52
docs citations

52
times ranked

29223
citing authors

#	ARTICLE	IF	CITATIONS
1	SciPy 1.0: fundamental algorithms for scientific computing in Python. <i>Nature Methods</i> , 2020, 17, 261-272.	9.0	17,539
2	A Radio Pulsar/X-ray Binary Link. <i>Science</i> , 2009, 324, 1411-1414.	6.0	463
3	An extreme magneto-ionic environment associated with the fast radio burst source FRB 121102. <i>Nature</i> , 2018, 553, 182-185.	13.7	368
4	A repeating fast radio burst source localized to a nearby spiral galaxy. <i>Nature</i> , 2020, 577, 190-194.	13.7	297
5	A millisecond pulsar in a stellar triple system. <i>Nature</i> , 2014, 505, 520-524.	13.7	268
6	FRB 121102 Bursts Show Complex Time-Dependent Frequency Structure. <i>Astrophysical Journal Letters</i> , 2019, 876, L23.	3.0	230
7	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.	1.6	226
8	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.	1.6	211
9	THE GREEN BANK NORTHERN CELESTIAL CAP PULSAR SURVEY. I. SURVEY DESCRIPTION, DATA ANALYSIS, AND INITIAL RESULTS. <i>Astrophysical Journal</i> , 2014, 791, 67.	1.6	192
10	A STATE CHANGE IN THE MISSING LINK BINARY PULSAR SYSTEM PSR J1023+0038. <i>Astrophysical Journal</i> , 2014, 790, 39.	1.6	168
11	emcee v3: A Python ensemble sampling toolkit for affine-invariant MCMC. <i>Journal of Open Source Software</i> , 2019, 4, 1864.	2.0	162
12	Universality of free fall from the orbital motion of a pulsar in a stellar triple system. <i>Nature</i> , 2018, 559, 73-76.	13.7	121
13	A NEW ACCRETION DISK AROUND THE MISSING LINK BINARY SYSTEM PSR J1023+0038. <i>Astrophysical Journal Letters</i> , 2014, 781, L3.	3.0	117
14	ACCRETION-POWERED PULSATIONS IN AN APPARENTLY QUIESCENT NEUTRON STAR BINARY. <i>Astrophysical Journal</i> , 2015, 807, 62.	1.6	114
15	CHANDRA X-RAY OBSERVATION OF THE BINARY MILLISECOND PULSAR PSR J1023+0038. <i>Astrophysical Journal</i> , 2011, 742, 97.	1.6	111
16	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.	1.6	107
17	A PARALLAX DISTANCE AND MASS ESTIMATE FOR THE TRANSITIONAL MILLISECOND PULSAR SYSTEM J1023+0038. <i>Astrophysical Journal Letters</i> , 2012, 756, L25.	3.0	101
18	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.	1.6	93

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19	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.	1.6	81
20	RADIO IMAGING OBSERVATIONS OF PSR J1023+0038 IN AN LMXB STATE. <i>Astrophysical Journal</i> , 2015, 809, 13.	1.6	79
21	DISCOVERY AND FOLLOW-UP OF ROTATING RADIO TRANSIENTS WITH THE GREEN BANK AND LOFAR TELESCOPES. <i>Astrophysical Journal</i> , 2015, 809, 67.	1.6	77
22	The Green Bank North Celestial Cap Pulsar Survey. III. 45 New Pulsar Timing Solutions. <i>Astrophysical Journal</i> , 2018, 859, 93.	1.6	72
23	Highly polarized microstructure from the repeating FRB 20180916B. <i>Nature Astronomy</i> , 2021, 5, 594-603.	4.2	66
24	TIMING OBSERVATIONS OF PSR J1023+0038 DURING A LOW-MASS X-RAY BINARY STATE. <i>Astrophysical Journal</i> , 2016, 830, 122.	1.6	65
25	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.	1.6	64
26	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.	1.6	61
27	<i>NuSTAR</i> OBSERVATIONS OF THE STATE TRANSITION OF MILLISECOND PULSAR BINARY PSR J1023+0038. <i>Astrophysical Journal</i> , 2014, 791, 77.	1.6	58
28	PINT: A Modern Software Package for Pulsar Timing. <i>Astrophysical Journal</i> , 2021, 911, 45.	1.6	58
29	A Search for Fast Radio Bursts with the GBNCC Pulsar Survey. <i>Astrophysical Journal</i> , 2017, 844, 140.	1.6	54
30	Burst timescales and luminosities as links between young pulsars and fast radio bursts. <i>Nature Astronomy</i> , 2022, 6, 393-401.	4.2	46
31	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.	1.6	43
32	DISCOVERY OF THE OPTICAL/ULTRAVIOLET/GAMMA-RAY COUNTERPART TO THE ECLIPSING MILLISECOND PULSAR J1816+4510. <i>Astrophysical Journal</i> , 2012, 753, 174.	1.6	39
33	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.	1.6	38
34	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.	1.6	38
35	DEEP <i>NuSTAR</i> AND <i>SWIFT</i> MONITORING OBSERVATIONS OF THE MAGNETAR 1E 1841-045. <i>Astrophysical Journal</i> , 2015, 807, 93.	1.6	36
36	No Detectable Radio Emission from the Magnetar-Like Pulsar in Kes 75. <i>Astrophysical Journal</i> , 2008, 688, 550-554.	1.6	25

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37	Common-spectrum process versus cross-correlation for gravitational-wave searches using pulsar timing arrays. <i>Physical Review D</i> , 2021, 103, .	1.6	24
38	MILLISECOND PULSAR SCINTILLATION STUDIES WITH LOFAR: INITIAL RESULTS. <i>Astrophysical Journal Letters</i> , 2014, 790, L22.	3.0	19
39	SPECTROSCOPY OF THE INNER COMPANION OF THE PULSAR PSR J0337+1715. <i>Astrophysical Journal Letters</i> , 2014, 783, L23.	3.0	19
40	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.	1.6	16
41	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.	1.6	15
42	Search for optical pulsations in PSR J0337+1715. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 427-430.	1.6	14
43	The Green Bank Northern Celestial Cap Pulsar Survey. II. The Discovery and Timing of 10 Pulsars. <i>Astrophysical Journal</i> , 2018, 857, 131.	1.6	14
44	Toward an Empirical Theory of Pulsar Emission. XII. Exploring the Physical Conditions in Millisecond Pulsar Emission Regions. <i>Astrophysical Journal</i> , 2017, 845, 23.	1.6	12
45	The Green Bank North Celestial Cap Pulsar Survey. IV. Four New Timing Solutions. <i>Astrophysical Journal</i> , 2019, 875, 19.	1.6	8
46	Red Noise in Anomalous X-ray Pulsar Timing Residuals. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	5
47	New Discoveries from the GBT 350-MHz Drift-Scan Survey. , 2011, , .		3
48	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.	1.6	3
49	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
50	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.	0.3	1
51	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