Anne M Archibald

List of Publications by Citations

51 papers	9,936 citations	31 h-index	52 g-index
52 ext. papers	16,205 ext. citations	9.4 avg, IF	5.21 L-index

#	Paper	IF	Citations
51	SciPy 1.0: fundamental algorithms for scientific computing in Python. *Nature Methods*, **2020**, 17, 261-272	21.6	6244
50	A radio pulsar/x-ray binary link. *Science*, **2009**, 324, 1411-4	33.3	403
49	An extreme magneto-ionic environment associated with the fast radio burst source FRB 121102. *Nature*, **2018**, 553, 182-185	50.4	252
48	A repeating fast radio burst source localized to a nearby spiral galaxy. *Nature*, **2020**, 577, 190-194	50.4	192
47	A state change in the low-mass X-ray binary XSS J12270 4859. *Monthly Notices of the Royal Astronomical Society*, **2014**, 441, 1825-1830	4.3	177
46	Highest Frequency Detection of FRB 121102 at 4 GHz Using the Breakthrough Listen Digital Backend at the Green Bank Telescope. *Astrophysical Journal*, **2018**, 863, 2	4.7	163
45	A millisecond pulsar in a stellar triple system. *Nature*, **2014**, 505, 520-4	50.4	163
44	FRB 121102 Bursts Show Complex Time Frequency Structure. *Astrophysical Journal Letters*, **2019**, 876, L23	7.9	158
43	A STATE CHANGE IN THE MISSING LINK BINARY PULSAR SYSTEM PSR J1023+0038. *Astrophysical Journal*, **2014**, 790, 39	4.7	149
42	THE GREEN BANK NORTHERN CELESTIAL CAP PULSAR SURVEY. I. SURVEY DESCRIPTION, DATA ANALYSIS, AND INITIAL RESULTS. *Astrophysical Journal*, **2014**, 791, 67	4.7	140
41	A NEW ACCRETION DISK AROUND THE MISSING LINK BINARY SYSTEM PSR J1023+0038. *Astrophysical Journal Letters*, **2014**, 781, L3	7.9	108
40	ACCRETION-POWERED PULSATIONS IN AN APPARENTLY QUIESCENT NEUTRON STAR BINARY. *Astrophysical Journal*, **2015**, 807, 62	4.7	97
39	ACHANDRAX-RAY OBSERVATION OF THE BINARY MILLISECOND PULSAR PSR J1023+0038. *Astrophysical Journal*, **2011**, 742, 97	4.7	97
38	THE GREEN BANK TELESCOPE 350 MHz DRIFT-SCAN SURVEY II: DATA ANALYSIS AND THE TIMING OF 10 NEW PULSARS, INCLUDING A RELATIVISTIC BINARY. *Astrophysical Journal*, **2013**, 763, 81	4.7	91
37	A PARALLAX DISTANCE AND MASS ESTIMATE FOR THE TRANSITIONAL MILLISECOND PULSAR SYSTEM J1023+0038. *Astrophysical Journal Letters*, **2012**, 756, L25	7.9	89
36	Universality of free fall from the orbital motion of a pulsar in a stellar triple system. *Nature*, **2018**, 559, 73-76	50.4	86
35	COORDINATED X-RAY, ULTRAVIOLET, OPTICAL, AND RADIO OBSERVATIONS OF THE PSR J1023+0038 SYSTEM IN A LOW-MASS X-RAY BINARY STATE. *Astrophysical Journal*, **2015**, 806, 148	4.7	81

34	X-RAY VARIABILITY AND EVIDENCE FOR PULSATIONS FROM THE UNIQUE RADIO PULSAR/X-RAY BINARY TRANSITION OBJECT FIRST J102347.6+003841. *Astrophysical Journal*, **2010**, 722, 88-95	4.7	79
33	emcee v3: A Python ensemble sampling toolkit for affine-invariant MCMC. *Journal of Open Source Software*, **2019**, 4, 1864	5.2	76
32	RADIO IMAGING OBSERVATIONS OF PSR J1023+0038 IN AN LMXB STATE. *Astrophysical Journal*, **2015**, 809, 13	4.7	73
31	DISCOVERY AND FOLLOW-UP OF ROTATING RADIO TRANSIENTS WITH THE GREEN BANK AND LOFAR TELESCOPES. *Astrophysical Journal*, **2015**, 809, 67	4.7	61
30	SDSS J102347.6+003841: A MILLISECOND RADIO PULSAR BINARY THAT HAD A HOT DISK DURING 2000-2001. *Astrophysical Journal*, **2009**, 703, 2017-2023	4.7	59
29	TIMING OBSERVATIONS OF PSR J1023+0038 DURING A LOW-MASS X-RAY BINARY STATE. *Astrophysical Journal*, **2016**, 830, 122	4.7	55
28	NuSTAROBSERVATIONS OF THE STATE TRANSITION OF MILLISECOND PULSAR BINARY PSR J1023+0038. *Astrophysical Journal*, **2014**, 791, 77	4.7	55
27	X-RAY OBSERVATIONS OF XSS J12270-4859 IN A NEW LOW STATE: A TRANSFORMATION TO A DISK-FREE ROTATION-POWERED PULSAR BINARY. *Astrophysical Journal*, **2014**, 789, 40	4.7	55
26	A Search for Fast Radio Bursts with the GBNCC Pulsar Survey. *Astrophysical Journal*, **2017**, 844, 140	4.7	47
25	The Green Bank North Celestial Cap Pulsar Survey. III. 45 New Pulsar Timing Solutions. *Astrophysical Journal*, **2018**, 859, 93	4.7	46
24	DISCOVERY OF THE OPTICAL/ULTRAVIOLET/GAMMA-RAY COUNTERPART TO THE ECLIPSING MILLISECOND PULSAR J1816+4510. *Astrophysical Journal*, **2012**, 753, 174	4.7	34
23	The Long-Term Radiative Evolution of Anomalous X-Ray Pulsar 1E 2259+586 After Its 2002 Outburst. *Astrophysical Journal*, **2008**, 686, 520-527	4.7	34
22	SimultaneousChandraand VLA Observations of the Transitional Millisecond Pulsar PSR J1023+0038: Anti-correlated X-Ray and Radio Variability. *Astrophysical Journal*, **2018**, 856, 54	4.7	33
21	DEEPNuSTARANDSWIFTMONITORING OBSERVATIONS OF THE MAGNETAR 1E 1841−045. *Astrophysical Journal*, **2015**, 807, 93	4.7	30
20	ORDINARY X-RAYS FROM THREE EXTRAORDINARY MILLISECOND PULSARS:XMM-NEWTONOBSERVATIONS OF PSRs J0337+1715, J0636+5129, AND J0645+5158. *Astrophysical Journal*, **2016**, 822, 37	4.7	29
19	Highly polarized microstructure from the repeating FRB 20180916B. *Nature Astronomy*, **2021**, 5, 594-603	12.1	25
18	No Detectable Radio Emission from the Magnetar-Like Pulsar in Kes 75. *Astrophysical Journal*, **2008**, 688, 550-554	4.7	24
17	SPECTROSCOPY OF THE INNER COMPANION OF THE PULSAR PSR J0337+1715. *Astrophysical Journal Letters*, **2014**, 783, L23	7.9	19

16	MILLISECOND PULSAR SCINTILLATION STUDIES WITH LOFAR: INITIAL RESULTS. *Astrophysical Journal Letters*, **2014**, 790, L22	7.9	15
15	PINT: A Modern Software Package for Pulsar Timing. *Astrophysical Journal*, **2021**, 911, 45	4.7	15
14	Quasi-simultaneous radio and X-ray observations of Aql X-1 : probing low luminosities. *Monthly Notices of the Royal Astronomical Society*, **2020**, 492, 2858-2871	4.3	13
13	Search for optical pulsations in PSR J0337+1715. *Monthly Notices of the Royal Astronomical Society*, **2016**, 459, 427-430	4.3	10
12	The Green Bank Northern Celestial Cap Pulsar Survey. II. The Discovery and Timing of 10 Pulsars. *Astrophysical Journal*, **2018**, 857, 131	4.7	8
11	Toward an Empirical Theory of Pulsar Emission. XII. Exploring the Physical Conditions in Millisecond Pulsar Emission Regions. *Astrophysical Journal*, **2017**, 845, 23	4.7	7
10	The GBT 350-MHz Drift Scan Pulsar Survey III. Detection of a magnetic field in the eclipsing material of PSR J2256 1024. *Monthly Notices of the Royal Astronomical Society*, **2020**, 495, 3052-3064	4.3	7
9	Burst timescales and luminosities as links between young pulsars and fast radio bursts. *Nature Astronomy*, **2022**, 6, 393-401	12.1	7
8	Red Noise in Anomalous X-ray Pulsar Timing Residuals. *AIP Conference Proceedings*, **2008**,	0	5
7	The Green Bank North Celestial Cap Pulsar Survey. IV. Four New Timing Solutions. *Astrophysical Journal*, **2019**, 875, 19	4.7	4
6	New Discoveries from the GBT 350-MHz Drift-Scan Survey **2011**,		3
5	Common-spectrum process versus cross-correlation for gravitational-wave searches using pulsar timing arrays. *Physical Review D*, **2021**, 103,	4.9	3
4	Conquering systematics in the timing of the pulsar triple system J0337+1715: Towards a unique and robust test of the strong equivalence principle. *Journal of Physics: Conference Series*, **2017**, 932, 012003	0.3	1
3	Testing the Universality of Free Fall with the Triple System J0337+1715. *Proceedings of the International Astronomical Union*, **2017**, 13, 138-141	0.1	1
2	Quasi-simultaneous Radio/X-Ray Observations of the Candidate Transitional Millisecond Pulsar 3FGL J1544.6 1125 during its Low-luminosity Accretion-disk State. *Astrophysical Journal*, **2021**, 923, 3	4.7	1
1	Conquering systematics in the timing of the pulsar triple system J0337+1715: Towards a unique and robust test of the strong equivalence principle. *Proceedings of the International Astronomical Union*, **2017**, 13, 342-343	0.1	