

# Anne M Archibald

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Burst timescales and luminosities as links between young pulsars and fast radio bursts. <i>Nature Astronomy</i> , <b>2022</b> , 6, 393-401	12.1	7
50	Common-spectrum process versus cross-correlation for gravitational-wave searches using pulsar timing arrays. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	3
49	Highly polarized microstructure from the repeating FRB 20180916B. <i>Nature Astronomy</i> , <b>2021</b> , 5, 594-603	12.1	25
48	PINT: A Modern Software Package for Pulsar Timing. <i>Astrophysical Journal</i> , <b>2021</b> , 911, 45	4.7	15
47	Quasi-simultaneous Radio/X-Ray Observations of the Candidate Transitional Millisecond Pulsar 3FGL J1544.6-125 during its Low-luminosity Accretion-disk State. <i>Astrophysical Journal</i> , <b>2021</b> , 923, 3	4.7	1
46	SciPy 1.0: fundamental algorithms for scientific computing in Python. <i>Nature Methods</i> , <b>2020</b> , 17, 261-272	21.6	6244
45	Quasi-simultaneous radio and X-ray observations of Aql X-1 : probing low luminosities. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 492, 2858-2871	4.3	13
44	A repeating fast radio burst source localized to a nearby spiral galaxy. <i>Nature</i> , <b>2020</b> , 577, 190-194	50.4	192
43	The GBT 350-MHz Drift Scan Pulsar Survey III. Detection of a magnetic field in the eclipsing material of PSR J2256+024. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 495, 3052-3064	4.3	7
42	The Green Bank North Celestial Cap Pulsar Survey. IV. Four New Timing Solutions. <i>Astrophysical Journal</i> , <b>2019</b> , 875, 19	4.7	4
41	FRB 121102 Bursts Show Complex Time-Frequency Structure. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 876, L23	7.9	158
40	emcee v3: A Python ensemble sampling toolkit for affine-invariant MCMC. <i>Journal of Open Source Software</i> , <b>2019</b> , 4, 1864	5.2	76
39	An extreme magneto-ionic environment associated with the fast radio burst source FRB 121102. <i>Nature</i> , <b>2018</b> , 553, 182-185	50.4	252
38	The Green Bank Northern Celestial Cap Pulsar Survey. II. The Discovery and Timing of 10 Pulsars. <i>Astrophysical Journal</i> , <b>2018</b> , 857, 131	4.7	8
37	The Green Bank North Celestial Cap Pulsar Survey. III. 45 New Pulsar Timing Solutions. <i>Astrophysical Journal</i> , <b>2018</b> , 859, 93	4.7	46
36	Highest Frequency Detection of FRB 121102 at 48 GHz Using the Breakthrough Listen Digital Backend at the Green Bank Telescope. <i>Astrophysical Journal</i> , <b>2018</b> , 863, 2	4.7	163
35	Simultaneous Chandra and VLA Observations of the Transitional Millisecond Pulsar PSR J1023+0038: Anti-correlated X-Ray and Radio Variability. <i>Astrophysical Journal</i> , <b>2018</b> , 856, 54	4.7	33

34	Universality of free fall from the orbital motion of a pulsar in a stellar triple system. <i>Nature</i> , <b>2018</b> , 559, 73-76	50.4	86
33	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> , <b>2017</b> , 932, 012003	0.3	1
32	A Search for Fast Radio Bursts with the GBNCC Pulsar Survey. <i>Astrophysical Journal</i> , <b>2017</b> , 844, 140	4.7	47
31	Toward an Empirical Theory of Pulsar Emission. XII. Exploring the Physical Conditions in Millisecond Pulsar Emission Regions. <i>Astrophysical Journal</i> , <b>2017</b> , 845, 23	4.7	7
30	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> , <b>2017</b> , 13, 342-343	0.1	
29	Testing the Universality of Free Fall with the Triple System J0337+1715. <i>Proceedings of the International Astronomical Union</i> , <b>2017</b> , 13, 138-141	0.1	1
28	TIMING OBSERVATIONS OF PSR J1023+0038 DURING A LOW-MASS X-RAY BINARY STATE. <i>Astrophysical Journal</i> , <b>2016</b> , 830, 122	4.7	55
27	Search for optical pulsations in PSR J0337+1715. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 459, 427-430	4.3	10
26	ORDINARY X-RAYS FROM THREE EXTRAORDINARY MILLISECOND PULSARS:XMM-NEWTONOBSERVATIONS OF PSRs J0337+1715, J0636+5129, AND J0645+5158. <i>Astrophysical Journal</i> , <b>2016</b> , 822, 37	4.7	29
25	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> , <b>2015</b> , 806, 148	4.7	81
24	RADIO IMAGING OBSERVATIONS OF PSR J1023+0038 IN AN LMXB STATE. <i>Astrophysical Journal</i> , <b>2015</b> , 809, 13	4.7	73
23	ACCRETION-POWERED PULSATIONS IN AN APPARENTLY QUIESCENT NEUTRON STAR BINARY. <i>Astrophysical Journal</i> , <b>2015</b> , 807, 62	4.7	97
22	DEEPNuSTARANDSWIFTMONITORING OBSERVATIONS OF THE MAGNETAR 1E 1841-045. <i>Astrophysical Journal</i> , <b>2015</b> , 807, 93	4.7	30
21	DISCOVERY AND FOLLOW-UP OF ROTATING RADIO TRANSIENTS WITH THE GREEN BANK AND LOFAR TELESCOPES. <i>Astrophysical Journal</i> , <b>2015</b> , 809, 67	4.7	61
20	A millisecond pulsar in a stellar triple system. <i>Nature</i> , <b>2014</b> , 505, 520-4	50.4	163
19	A state change in the low-mass X-ray binary XSS J12270-859. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 441, 1825-1830	4.3	177
18	NuSTAROBSERVATIONS OF THE STATE TRANSITION OF MILLISECOND PULSAR BINARY PSR J1023+0038. <i>Astrophysical Journal</i> , <b>2014</b> , 791, 77	4.7	55
17	A STATE CHANGE IN THE MISSING LINK BINARY PULSAR SYSTEM PSR J1023+0038. <i>Astrophysical Journal</i> , <b>2014</b> , 790, 39	4.7	149

16	A NEW ACCRETION DISK AROUND THE MISSING LINK BINARY SYSTEM PSR J1023+0038. <i>Astrophysical Journal Letters</i> , <b>2014</b> , 781, L3	7.9	108
15	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> , <b>2014</b> , 789, 40	4.7	55
14	THE GREEN BANK NORTHERN CELESTIAL CAP PULSAR SURVEY. I. SURVEY DESCRIPTION, DATA ANALYSIS, AND INITIAL RESULTS. <i>Astrophysical Journal</i> , <b>2014</b> , 791, 67	4.7	140
13	MILLISECOND PULSAR SCINTILLATION STUDIES WITH LOFAR: INITIAL RESULTS. <i>Astrophysical Journal Letters</i> , <b>2014</b> , 790, L22	7.9	15
12	SPECTROSCOPY OF THE INNER COMPANION OF THE PULSAR PSR J0337+1715. <i>Astrophysical Journal Letters</i> , <b>2014</b> , 783, L23	7.9	19
11	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> , <b>2013</b> , 763, 81	4.7	91
10	A PARALLAX DISTANCE AND MASS ESTIMATE FOR THE TRANSITIONAL MILLISECOND PULSAR SYSTEM J1023+0038. <i>Astrophysical Journal Letters</i> , <b>2012</b> , 756, L25	7.9	89
9	DISCOVERY OF THE OPTICAL/ULTRAVIOLET/GAMMA-RAY COUNTERPART TO THE ECLIPSING MILLISECOND PULSAR J1816+4510. <i>Astrophysical Journal</i> , <b>2012</b> , 753, 174	4.7	34
8	ACHANDRAX-RAY OBSERVATION OF THE BINARY MILLISECOND PULSAR PSR J1023+0038. <i>Astrophysical Journal</i> , <b>2011</b> , 742, 97	4.7	97
7	New Discoveries from the GBT 350-MHz Drift-Scan Survey <b>2011</b> ,		3
6	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> , <b>2010</b> , 722, 88-95	4.7	79
5	A radio pulsar/x-ray binary link. <i>Science</i> , <b>2009</b> , 324, 1411-4	33.3	403
4	SDSS J102347.6+003841: A MILLISECOND RADIO PULSAR BINARY THAT HAD A HOT DISK DURING 2000-2001. <i>Astrophysical Journal</i> , <b>2009</b> , 703, 2017-2023	4.7	59
3	Red Noise in Anomalous X-ray Pulsar Timing Residuals. <i>AIP Conference Proceedings</i> , <b>2008</b> ,	0	5
2	The Long-Term Radiative Evolution of Anomalous X-Ray Pulsar 1E 2259+586 After Its 2002 Outburst. <i>Astrophysical Journal</i> , <b>2008</b> , 686, 520-527	4.7	34
1	No Detectable Radio Emission from the Magnetar-Like Pulsar in Kes 75. <i>Astrophysical Journal</i> , <b>2008</b> , 688, 550-554	4.7	24