

# Andrew G Lyne

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,556  
citations

361413

20  
h-index

377865

34  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1680  
citing authors

#	ARTICLE	IF	CITATIONS
1	Switched Magnetospheric Regulation of Pulsar Spin-Down. <i>Science</i> , 2010, 329, 408-412.	12.6	405
2	ACCRETION-POWERED PULSATIONS IN AN APPARENTLY QUIESCENT NEUTRON STAR BINARY. <i>Astrophysical Journal</i> , 2015, 807, 62.	4.5	114
3	Evolution of the Magnetic Field Structure of the Crab Pulsar. <i>Science</i> , 2013, 342, 598-601.	12.6	101
4	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
5	Probing the Masses of the PSR J0621+1002 Binary System through Relativistic Apsidal Motion. <i>Astrophysical Journal</i> , 2002, 581, 509-518.	4.5	73
6	Absolute Timing of the Crab Pulsar with the Rossi X-Ray Timing Explorer. <i>Astrophysical Journal</i> , 2004, 605, L129-L132.	4.5	65
7	Three fields containing young pulsars - The observable lifetime of supernova remnants. <i>Astrophysical Journal</i> , 1989, 340, 355.	4.5	62
8	<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
9	PSR J1723â€“2837: AN ECLIPSING BINARY RADIO MILLISECOND PULSAR. <i>Astrophysical Journal</i> , 2013, 776, 20.	4.5	56
10	Interstellar fringes from pulsar B0834+06. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 287, 739-752.	4.4	54
11	Discovery of the X-Ray Counterpart to the Rotating Radio Transient J1819-1458. <i>Astrophysical Journal</i> , 2006, 639, L71-L74.	4.5	53
12	Multiwavelength monitoring and X-ray brightening of Be X-ray binary PSR J2032+4127/MT91âˆ213 on its approach to periastron. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 1211-1219.	4.4	53
13	Radio Pulsars in the Magellanic Clouds. <i>Astrophysical Journal</i> , 2001, 553, 367-374.	4.5	48
14	X-RAY AND RADIO TIMING OF THE PULSAR IN 3C 58. <i>Astrophysical Journal</i> , 2009, 706, 1163-1173.	4.5	46
15	Searching a Thousand Radio Pulsars for Gamma-Ray Emission. <i>Astrophysical Journal</i> , 2019, 871, 78.	4.5	46
16	Radio emission from a pulsarâ€™s magnetic pole revealed by general relativity. <i>Science</i> , 2019, 365, 1013-1017.	12.6	45
17	A Massive-born Neutron Star with a Massive White Dwarf Companion. <i>Astrophysical Journal</i> , 2017, 844, 128.	4.5	38
18	A segmented FFT algorithm for vector computers. <i>Parallel Computing</i> , 1988, 6, 217-224.	2.1	23

#	ARTICLE	IF	CITATIONS
19	First search for long-duration transient gravitational waves after glitches in the Vela and Crab pulsars. <i>Physical Review D</i> , 2019, 100, .	4.7	22
20	High-cadence observations and variable spin behaviour of magnetar Swift J1818.0âˆ²1607 after its outburst. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 6044-6056.	4.4	20
21	<i>XMM-NEWTON</i> X-RAY DETECTION OF THE HIGH-MAGNETIC-FIELD RADIO PULSAR PSR B1916+14. <i>Astrophysical Journal</i> , 2009, 704, 1321-1326.	4.5	16
22	Limits on the strength of individual gravitational wave sources using high-cadence observations of PSR B1937+21. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 1245-1252.	4.4	13
23	Discovery, Timing, and Multiwavelength Observations of the Black Widow Millisecond Pulsar PSR J1555â€“2908. <i>Astrophysical Journal</i> , 2022, 927, 216.	4.5	12
24	A planet, not a plasma cloud?. <i>Nature</i> , 1991, 352, 573-574.	27.8	7
25	X-Ray and Radio Variabilities of PSR J2032+4127 near Periastron. <i>Astrophysical Journal</i> , 2019, 880, 147.	4.5	7
26	Timing stability of three black widow pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 2591-2599.	4.4	7
27	A search for planetary companions around 800 pulsars from the Jodrell Bank pulsar timing programme. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 2446-2459.	4.4	4
28	Millisecond Pulsars in 47 Tucanae. <i>International Astronomical Union Colloquium</i> , 2000, 177, 87-88.	0.1	3
29	Timing noise and the long-term stability of pulsar profiles. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 183-188.	0.0	3
30	The Orbital-decay Test of General Relativity to the 2% Level with 6 yr VLBA Astrometry of the Double Neutron Star PSR J1537+1155. <i>Astrophysical Journal Letters</i> , 2021, 921, L19.	8.3	3
31	New pulsar confounds models. <i>Nature</i> , 1989, 342, 128-129.	27.8	2
32	Interstellar Fringes from PSR B0834+06. <i>International Astronomical Union Colloquium</i> , 1996, 160, 471-472.	0.1	1
33	Debate: The Origin and Evolution of Millisecond Pulsars. <i>International Astronomical Union Colloquium</i> , 1996, 160, 557-582.	0.1	1
34	Multiwavelength Studies of Rotating Radio Transients. , 2011, , .		1
35	The Lovell Telescope and its role in pulsar astronomy. <i>Nature Astronomy</i> , 2017, 1, 835-840.	10.1	1
36	Bernard Lovell (1913â€“2012). <i>Nature</i> , 2012, 488, 592-592.	27.8	0

#	ARTICLE	IF	CITATIONS
37	Correlated emission and spin-down variability in radio pulsars. Proceedings of the International Astronomical Union, 2017, 13, 58-61.	0.0	0