

Matthew Bailes

List of Publications by Year in descending order

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Version: 2024-02-01

271
papers

27,238
citations

6233

80
h-index

6282

158
g-index

275
all docs

275
docs citations

275
times ranked

13596
citing authors

#	ARTICLE	IF	CITATIONS
1	CW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. Physical Review Letters, 2017, 119, 161101.	2.9	6,413
2	A Bright Millisecond Radio Burst of Extragalactic Origin. Science, 2007, 318, 777-780.	6.0	1,311
3	A Population of Fast Radio Bursts at Cosmological Distances. Science, 2013, 341, 53-56.	6.0	803
4	The International Pulsar Timing Array project: using pulsars as a gravitational wave detector. Classical and Quantum Gravity, 2010, 27, 084013.	1.5	494
5	The relativistic pulsar-white dwarf binary PSR J1738+0333 - II. The most stringent test of scalar-tensor gravity. Monthly Notices of the Royal Astronomical Society, 2012, 423, 3328-3343.	1.6	435
6	FRBCAT: The Fast Radio Burst Catalogue. Publications of the Astronomical Society of Australia, 2016, 33, .	1.3	420
7	Gravitational waves from binary supermassive black holes missing in pulsar observations. Science, 2015, 349, 1522-1525.	6.0	386
8	DSPSR: Digital Signal Processing Software for Pulsar Astronomy. Publications of the Astronomical Society of Australia, 2011, 28, 1-14.	1.3	365
9	The Parkes Pulsar Timing Array Project. Publications of the Astronomical Society of Australia, 2013, 30, .	1.3	350
10	Science with ASKAP. Experimental Astronomy, 2008, 22, 151-273.	1.6	332
11	Upper Bounds on the Low-Frequency Stochastic Gravitational Wave Background from Pulsar Timing Observations: Current Limits and Future Prospects. Astrophysical Journal, 2006, 653, 1571-1576.	1.6	289
12	The High Time Resolution Universe Pulsar Survey - I. System configuration and initial discoveries. Monthly Notices of the Royal Astronomical Society, 2010, 409, 619-627.	1.6	281
13	PSR 1259-63 - A binary radio pulsar with a Be star companion. Astrophysical Journal, 1992, 387, L37.	1.6	278
14	The host galaxy of a fast radio burst. Nature, 2016, 530, 453-456.	13.7	241
15	A real-time fast radio burst: polarization detection and multiwavelength follow-up. Monthly Notices of the Royal Astronomical Society, 2015, 447, 246-255.	1.6	236
16	DiFX: A Software Correlator for Very Long Baseline Interferometry Using Multiprocessor Computing Environments. Publications of the Astronomical Society of the Pacific, 2007, 119, 318-336.	1.0	233
17	Timing analysis for 20 millisecond pulsars in the Parkes Pulsar Timing Array. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1751-1769.	1.6	233
18	Science with the Australian Square Kilometre Array Pathfinder. Publications of the Astronomical Society of Australia, 2007, 24, 174-188.	1.3	231

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19	Precision Timing of PSR J0437 \hat{a} ~4715: An Accurate Pulsar Distance, a High Pulsar Mass, and a Limit on the Variation of Newton \hat{e} 's Gravitational Constant. <i>Astrophysical Journal</i> , 2008, 679, 675-680.	1.6	229
20	Five new fast radio bursts from the HTRU high-latitude survey at Parkes: first evidence for two-component bursts. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 460, L30-L34.	1.2	222
21	On the Evidence for a Common-spectrum Process in the Search for the Nanohertz Gravitational-wave Background with the Parkes Pulsar Timing Array. <i>Astrophysical Journal Letters</i> , 2021, 917, L19.	3.0	217
22	The International Pulsar Timing Array: second data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4666-4687.	1.6	191
23	A test of general relativity from the three-dimensional orbital geometry of a binary pulsar. <i>Nature</i> , 2001, 412, 158-160.	13.7	181
24	Timing stability of millisecond pulsars and prospects for gravitational-wave detection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 400, 951-968.	1.6	178
25	Measurement and correction of variations in interstellar dispersion in high-precision pulsar timing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 2161-2174.	1.6	174
26	The International Pulsar Timing Array second data release: Search for an isotropic gravitational wave background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 4873-4887.	1.6	174
27	The parkes Southern pulsar Survey – I. Observing and data analysis systems and initial results. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996, 279, 1235-1250.	1.6	173
28	The magnetic field and turbulence of the cosmic web measured using a brilliant fast radio burst. <i>Science</i> , 2016, 354, 1249-1252.	6.0	167
29	Development of a pulsar-based time-scale. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 2780-2787.	1.6	163
30	The Parkes Southern Pulsar Survey – II. Final results and population analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 295, 743-755.	1.6	159
31	The SURvey for Pulsars and Extragalactic Radio Bursts \hat{a} €“ II. New FRB discoveries and their follow-up. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1427-1446.	1.6	156
32	Pulsar statistics: the birthrate and initial spin periods of radio pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 1993, 263, 403-415.	1.6	153
33	A RADIO-LOUD MAGNETAR IN X-RAY QUIESCENCE. <i>Astrophysical Journal Letters</i> , 2010, 721, L33-L37.	3.0	153
34	Transformation of a Star into a Planet in a Millisecond Pulsar Binary. <i>Science</i> , 2011, 333, 1717-1720.	6.0	152
35	Follow Up of GW170817 and Its Electromagnetic Counterpart by Australian-Led Observing Programmes. <i>Publications of the Astronomical Society of Australia</i> , 2017, 34, .	1.3	142
36	Discovery of a very bright, nearby binary millisecond pulsar. <i>Nature</i> , 1993, 361, 613-615.	13.7	135

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37	Spectral properties of 441 radio pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 4436-4458.	1.6	135
38	Gravitational-Wave Limits from Pulsar Timing Constrain Supermassive Black Hole Evolution. <i>Science</i> , 2013, 342, 334-337.	6.0	133
39	The Detection of an Extremely Bright Fast Radio Burst in a Phased Array Feed Survey. <i>Astrophysical Journal Letters</i> , 2017, 841, L12.	3.0	133
40	Pulsar statistics - IV. Pulsar velocities. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 289, 592-604.	1.6	124
41	The Swinburne intermediate-latitude pulsar survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 326, 358-374.	1.6	121
42	Dispersion measure variations and their effect on precision pulsar timing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 378, 493-506.	1.6	121
43	Gamma Radiation from PSR B1055âˆ’52. <i>Astrophysical Journal</i> , 1999, 516, 297-306.	1.6	118
44	The first interferometric detections of fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 3746-3756.	1.6	115
45	Glitches in southern pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 317, 843-860.	1.6	114
46	Neutron Star Extreme Matter Observatory: A kilohertz-band gravitational-wave detector in the global network. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	1.3	114
47	Probing the Eclipse Region of a Binary Millisecond Pulsar. <i>Astrophysical Journal</i> , 1996, 465, L119-L122.	1.6	114
48	Gravitational-Wave Cosmology across 29 Decades in Frequency. <i>Physical Review X</i> , 2016, 6, .	2.8	113
49	An ultra-wide bandwidth (704 to 4Â032ÂMHz) receiver for the Parkes radio telescope. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	1.3	113
50	Evidence from a processing pulsar orbit for a neutron-star birth kick. <i>Nature</i> , 1996, 381, 584-586.	13.7	112
51	MEASURING THE MASS OF SOLAR SYSTEM PLANETS USING PULSAR TIMING. <i>Astrophysical Journal Letters</i> , 2010, 720, L201-L205.	3.0	112
52	A planet orbiting the neutron star PSR1829â€‘10. <i>Nature</i> , 1991, 352, 311-313.	13.7	111
53	Gravitational-radiation losses from the pulsarâ€‘white-dwarf binary PSR J1141â€‘6545. <i>Physical Review D</i> , 2008, 77, .	1.6	111
54	A study of multifrequency polarization pulse profiles of millisecond pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 3223-3262.	1.6	109

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55	Revival of the Magnetar PSR J1622-4950: Observations with MeerKAT, Parkes, XMM-Newton, Swift, Chandra, and NuSTAR. <i>Astrophysical Journal</i> , 2018, 856, 180.	1.6	108
56	The MeerKAT telescope as a pulsar facility: System verification and early science results from MeerTime. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	1.3	108
57	FRB microstructure revealed by the real-time detection of FRB170827. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 1209-1217.	1.6	107
58	The Parkes Pulsar Timing Array project: second data release. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	1.3	107
59	Discovery of ten millisecond pulsars in the globular cluster 47 Tucanae. <i>Nature</i> , 1991, 352, 219-221.	13.7	104
60	RADIO BURSTS WITH EXTRAGALACTIC SPECTRAL CHARACTERISTICS SHOW TERRESTRIAL ORIGINS. <i>Astrophysical Journal</i> , 2011, 727, 18.	1.6	102
61	Extremely High Precision VLBI Astrometry of PSR J0437-4715 and Implications for Theories of Gravity. <i>Astrophysical Journal</i> , 2008, 685, L67-L70.	1.6	101
62	An all-sky search for continuous gravitational waves in the Parkes Pulsar Timing Array data set. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 3709-3720.	1.6	98
63	Gravitational-wave physics and astronomy in the 2020s and 2030s. <i>Nature Reviews Physics</i> , 2021, 3, 344-366.	11.9	96
64	The Mass of a Millisecond Pulsar. <i>Astrophysical Journal</i> , 2005, 629, L113-L116.	1.6	94
65	Limitations in timing precision due to single-pulse shape variability in millisecond pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 1463-1481.	1.6	94
66	The Commensal Real-Time ASKAP Fast-Transients (CRAFT) Survey. <i>Publications of the Astronomical Society of Australia</i> , 2010, 27, 272-282.	1.3	93
67	A massive radio pulsar binary in the Small Magellanic Cloud. <i>Astrophysical Journal</i> , 1994, 423, L43.	1.6	92
68	The origin of pulsar velocities and the velocity-magnetic moment correlation. <i>Astrophysical Journal</i> , 1989, 342, 917.	1.6	91
69	The millisecond radio sky: transients from a blind single-pulse search. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 855-866.	1.6	90
70	Accelerating incoherent dedispersion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 379-392.	1.6	90
71	Millisecond pulsar velocities. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 307, 925-933.	1.6	89
72	The sensitivity of the Parkes Pulsar Timing Array to individual sources of gravitational waves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 407, 669-680.	1.6	89

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73	Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015–2017 LIGO Data. <i>Astrophysical Journal</i> , 2019, 879, 10.	1.6	88
74	High Time Resolution Observations of the Vela Pulsar. <i>Astrophysical Journal</i> , 2001, 549, L101-L104.	1.6	86
75	Discovery of Four Isolated Millisecond Pulsars. <i>Astrophysical Journal</i> , 1997, 481, 386-391.	1.6	85
76	High-precision baseband timing of 15 millisecond pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 369, 1502-1520.	1.6	85
77	PRECISION SOUTHERN HEMISPHERE VLBI PULSAR ASTROMETRY. II. MEASUREMENT OF SEVEN PARALLAXES. <i>Astrophysical Journal</i> , 2009, 701, 1243-1257.	1.6	84
78	The SURvey for Pulsars and Extragalactic Radio Bursts – I. Survey description and overview. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 116-135.	1.6	82
79	Spectropolarimetric Analysis of FRB 181112 at Microsecond Resolution: Implications for Fast Radio Burst Emission Mechanism. <i>Astrophysical Journal Letters</i> , 2020, 891, L38.	3.0	82
80	Mean Pulse Shape and Polarization of PSR J0437+4715. <i>Astrophysical Journal</i> , 1997, 486, 1019-1025.	1.6	80
81	Gravitational-Wave Detection Using Pulsars: Status of the Parkes Pulsar Timing Array Project. <i>Publications of the Astronomical Society of Australia</i> , 2009, 26, 103-109.	1.3	79
82	Radio emission evolution, polarimetry and multifrequency single pulse analysis of the radio magnetar PSR J1622+4950. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 2489-2500.	1.6	79
83	Searching for gravitational wave memory bursts with the Parkes Pulsar Timing Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 1657-1671.	1.6	79
84	The High Time Resolution Universe Pulsar Survey – XIII. PSR J1757+1854, the most accelerated binary pulsar. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 475, L57-L61.	1.2	79
85	Radio observations of PSR B1259 – 63 around periastron. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996, 279, 1026-1036.	1.6	77
86	The High Time Resolution Universe Pulsar Survey - V. Single-pulse energetics and modulation properties of 315 pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 1351-1367.	1.6	77
87	PSR J1012+5307: a 5.26-ms pulsar in a 14.5-h binary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 1995, 273, L68-L70.	1.6	76
88	High signal-to-noise ratio observations and the ultimate limits of precision pulsar timing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 418, 1258-1271.	1.6	75
89	PULSAR OBSERVATIONS OF EXTREME SCATTERING EVENTS. <i>Astrophysical Journal</i> , 2015, 808, 113.	1.6	75
90	Discovery of three binary millisecond pulsars. <i>Astrophysical Journal</i> , 1994, 425, L41.	1.6	75

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91	The High Time Resolution Universe Pulsar Survey - III. Single-pulse searches and preliminary analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 416, 2465-2476.	1.6	73
92	SPINN: a straightforward machine learning solution to the pulsar candidate selection problem. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 1651-1662.	1.6	72
93	Parkes Pulsar Timing Array constraints on ultralight scalar-field dark matter. <i>Physical Review D</i> , 2018, 98, .	1.6	72
94	A survey of FRB fields: limits on repeatability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 457-462.	1.6	71
95	The Parkes Observatory Pulsar Data Archive. <i>Publications of the Astronomical Society of Australia</i> , 2011, 28, 202-214.	1.3	69
96	Polarization observations of 20 millisecond pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 2087-2100.	1.6	69
97	The High Time Resolution Universe Pulsar Survey â€” VI. An artificial neural network and timing of 75 pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 1052-1065.	1.6	69
98	Are the distributions of fast radio burst properties consistent with a cosmological population?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 708-717.	1.6	69
99	Optical detection of the companion of the millisecond pulsar J0437â€”4715. <i>Nature</i> , 1993, 364, 603-605.	13.7	68
100	Highâ€”Energy Gammaâ€”Ray Observations of Two Young, Energetic Radio Pulsars. <i>Astrophysical Journal</i> , 2000, 528, 445-453.	1.6	68
101	Four new millisecond pulsars in the galactic disk. <i>Astrophysical Journal</i> , 1995, 439, 933.	1.6	68
102	The proper motion and wind nebula of the nearby millisecond pulsar J0437-4715. <i>Astrophysical Journal</i> , 1995, 440, L81.	1.6	68
103	Self-Consistency of Relativistic Observables with General Relativity in the White Dwarf-Neutron Star Binary PSR J1141-6545. <i>Astrophysical Journal</i> , 2003, 595, L49-L52.	1.6	66
104	Fast Radio Transient searches with UTMOST at 843 MHz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 718-725.	1.6	65
105	Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2020, 902, L21.	3.0	65
106	The High Time Resolution Universe Pulsar Survey â€” VIII. The Galactic millisecond pulsar population. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 1387-1397.	1.6	64
107	Timing of young radio pulsars â€” I. Timing noise, periodic modulation, and proper motion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 3810-3826.	1.6	63
108	Spectra of Southern Pulsars. <i>Astrophysical Journal</i> , 1998, 506, 863-867.	1.6	61

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109	The UTMOST: A Hybrid Digital Signal Processor Transforms the Molonglo Observatory Synthesis Telescope. <i>Publications of the Astronomical Society of Australia</i> , 2017, 34, .	1.3	59
110	No planet orbiting PS R1829â€“10. <i>Nature</i> , 1992, 355, 213-213.	13.7	58
111	Populating the Galaxy with pulsars I. Stellar and binary evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 393-415.	1.6	58
112	The High Time Resolution Universe Pulsar Survey â€“ XII. Galactic plane acceleration search and the discovery of 60 pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 2922-2947.	1.6	58
113	PSR J1909-3744: A Binary Millisecond Pulsar with a Very Small Duty Cycle. <i>Astrophysical Journal</i> , 2003, 599, L99-L102.	1.6	57
114	AN ABSENCE OF FAST RADIO BURSTS AT INTERMEDIATE GALACTIC LATITUDES. <i>Astrophysical Journal Letters</i> , 2014, 789, L26.	3.0	56
115	The Parkes Southern Pulsar Survey â€” III. Timing of long-period pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 297, 28-40.	1.6	55
116	Green Bank Telescope Studies of Giant Pulses from Millisecond Pulsars. <i>Astrophysical Journal</i> , 2006, 640, 941-949.	1.6	55
117	On detection of the stochastic gravitational-wave background using the Parkes pulsar timing array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 1777-1787.	1.6	54
118	Recycled Pulsars Discovered at High Radio Frequency. <i>Astrophysical Journal</i> , 2001, 553, 801-808.	1.6	54
119	MULTI-WAVELENGTH OBSERVATIONS OF THE RADIO MAGNETAR PSR J1622â€“4950 AND DISCOVERY OF ITS POSSIBLY ASSOCIATED SUPERNOVA REMNANT. <i>Astrophysical Journal</i> , 2012, 751, 53.	1.6	53
120	Two radio pulsars in the globular cluster NGC 6624. <i>Monthly Notices of the Royal Astronomical Society</i> , 1994, 267, 125-128.	1.6	52
121	The nature of the PSR J2051-0827 eclipses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 321, 576-584.	1.6	52
122	A Search for Giant Pulses from Millisecond Pulsars. <i>Astrophysical Journal</i> , 2005, 625, 951-956.	1.6	52
123	The UTMOST pulsar timing programme I: Overview and first results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 3691-3712.	1.6	52
124	The Proper Motion and Parallax of PSR J0437â€“4715. <i>Astrophysical Journal</i> , 1997, 478, L95-L98.	1.6	52
125	Implications of a VLBI Distance to the Double Pulsar J0737-3039A/B. <i>Science</i> , 2009, 323, 1327-1329.	6.0	51
126	Lenseâ€“Thirring frame dragging induced by a fast-rotating white dwarf in a binary pulsar system. <i>Science</i> , 2020, 367, 577-580.	6.0	51

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127	A pulsar-based time-scale from the International Pulsar Timing Array. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5951-5965.	1.6	51
128	The High Time Resolution Universe pulsar survey - X. Discovery of four millisecond pulsars and updated timing solutions of a further 12. Monthly Notices of the Royal Astronomical Society, 2014, 439, 1865-1883.	1.6	50
129	EGRET Observations of High-Energy Gamma Radiation from PSR B1706-44. Astrophysical Journal, 1996, 465, 385.	1.6	50
130	Detection of an Irradiated Pulsar Companion. Astrophysical Journal, 1996, 473, L119-L121.	1.6	50
131	Five new real-time detections of fast radio bursts with UTMOST. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2989-3002.	1.6	49
132	The SURvey for Pulsars and Extragalactic Radio Bursts â€œ III. Polarization properties of FRBs 160102 and 151230. Monthly Notices of the Royal Astronomical Society, 2018, 478, 2046-2055.	1.6	48
133	Millisecond pulsars in the globular cluster 47 Tucanae. Monthly Notices of the Royal Astronomical Society, 1995, 274, 547-554.	1.6	47
134	A New Method for Obtaining Binary Pulsar Distances and its Implications for Tests of General Relativity. Astrophysical Journal, 1996, 456, .	1.6	47
135	Identifying and mitigating noise sources in precision pulsar timing data sets. Monthly Notices of the Royal Astronomical Society, 2021, 502, 478-493.	1.6	47
136	Eight new millisecond pulsars from the first MeerKAT globular cluster census. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1407-1426.	1.6	47
137	A long-period globular-cluster pulsar in an eclipsing binary system. Nature, 1993, 361, 47-49.	13.7	46
138	The UTMOST pulsar timing programme â€œ II. Timing noise across the pulsar population. Monthly Notices of the Royal Astronomical Society, 2020, 494, 228-245.	1.6	46
139	Parallax of PSR J1744âˆ’1134 and the Local Interstellar Medium. Astrophysical Journal, 1999, 523, L171-L175.	1.6	46
140	Discovery of four binary millisecond pulsars. Monthly Notices of the Royal Astronomical Society, 1996, 283, 1383-1387.	1.6	45
141	The Orbital Evolution and Proper Motion of PSR J2051âˆ’0827. Astrophysical Journal, 1998, 499, L183-L186.	1.6	45
142	Discovery of Two Relativistic Neutron Starâ€œWhite Dwarf Binaries. Astrophysical Journal, 2001, 547, L37-L40.	1.6	45
143	A polarized fast radio burst at low Galactic latitude. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	45
144	Geodetic Precession in PSR J1141âˆ’6545. Astrophysical Journal, 2005, 624, 906-913.	1.6	43

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145	A LARGE-AREA SURVEY FOR RADIO PULSARS AT HIGH GALACTIC LATITUDES. <i>Astrophysical Journal</i> , 2009, 699, 2009-2016.	1.6	43
146	The High Time Resolution Universe Pulsar Survey - IV. Discovery and polarimetry of millisecond pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 1752-1765.	1.6	43
147	Modelling neutron star-black hole binaries: future pulsar surveys and gravitational wave detectors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 3682-3710.	1.6	43
148	Polarimetric profiles of 27 millisecond pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 352, 804-814.	1.6	42
149	A 6.5-GHz multibeam pulsar survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 411, 1575-1584.	1.6	42
150	Wideband Polarized Radio Emission from the Newly Revived Magnetar XTE J1810-197. <i>Astrophysical Journal Letters</i> , 2019, 874, L14.	3.0	42
151	EGRET High-Energy gamma -Ray Pulsar Studies. II. Individual Millisecond Pulsars. <i>Astrophysical Journal</i> , 1995, 447, 807.	1.6	42
152	The High Time Resolution Universe Pulsar Survey - II. Discovery of five millisecond pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 416, 2455-2464.	1.6	41
153	The proper motion of the VELA pulsar. <i>Astrophysical Journal</i> , 1989, 343, L53.	1.6	41
154	EGRET High-Energy Gamma-Ray Pulsar Studies. III. A Survey. <i>Astrophysical Journal</i> , 1996, 465, 898.	1.6	39
155	Precision Orbital Dynamics from Interstellar Scintillation Arcs for PSR J0437-4715. <i>Astrophysical Journal</i> , 2020, 904, 104.	1.6	39
156	Discovery of Five Recycled Pulsars in a High Galactic Latitude Survey. <i>Astrophysical Journal</i> , 2007, 656, 408-413.	1.6	38
157	The High Time Resolution Universe survey - XIV. Discovery of 23 pulsars through GPU-accelerated reprocessing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 3673-3685.	1.6	38
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