

Matthew Bailes

List of Publications by Year in descending order

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Version: 2024-02-01

271
papers

27,238
citations

6233

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6282

158
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275
all docs

275
docs citations

275
times ranked

13596
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	The High Time Resolution Universe Pulsar Survey – XVII. PSR J1325+6253, a low eccentricity double neutron star system from an ultra-stripped supernova. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 5782-5792.	1.6	14
3	Systematic upper limits on the size of missing pulsar glitches in the first UTMOST open data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1469-1482.	1.6	6
4	Two New Black Widow Millisecond Pulsars in M28. <i>Astrophysical Journal</i> , 2022, 927, 126.	1.6	8
5	Discoveries and timing of pulsars in NGC 6440. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 1386-1399.	1.6	7
6	Coherent search for binary pulsars across all Five Keplerian parameters in radio observations using the template-bank algorithm. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1265-1284.	1.6	7
7	Mode changing in J1909+3744: the most precisely timed pulsar. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 5908-5915.	1.6	13
8	Discovery of PSR J0523-7125 as a Circularly Polarized Variable Radio Source in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2022, 930, 38.	1.6	10
9	The ultranarrow FRB20191107B, and the origins of FRB scattering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 5866-5878.	1.6	4
10	The MeerTime Pulsar Timing Array: A census of emission properties and timing potential. <i>Publications of the Astronomical Society of Australia</i> , 2022, 39, .	1.3	24
11	Narrowband Searches for Continuous and Long-duration Transient Gravitational Waves from Known Pulsars in the LIGO-Virgo Third Observing Run. <i>Astrophysical Journal</i> , 2022, 932, 133.	1.6	33
12	Identifying and mitigating noise sources in precision pulsar timing data sets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 478-493.	1.6	47
13	Measurements of pulse jitter and single-pulse variability in millisecond pulsars using MeerKAT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 407-422.	1.6	25
14	The relativistic binary programme on MeerKAT: science objectives and first results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 2094-2114.	1.6	27
15	Multifrequency observations of SGR J1935+2154. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 5367-5384.	1.6	22
16	Eight new millisecond pulsars from the first MeerKAT globular cluster census. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 1407-1426.	1.6	47
17	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
18	Gravitational-wave physics and astronomy in the 2020s and 2030s. <i>Nature Reviews Physics</i> , 2021, 3, 344-366.	11.9	96

#	ARTICLE	IF	CITATIONS
19	The Thousand-Pulsar-Array programme on MeerKAT – V. Scattering analysis of single-component pulsars. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1115-1128.	1.6	19
20	The Thousand-Pulsar-Array programme on MeerKAT – III. Giant pulse characteristics of PSR J0540+6919. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4468-4482.	1.6	30
21	Pulsar candidate identification using semi-supervised generative adversarial networks. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1180-1194.	1.6	17
22	The Thousand-Pulsar-Array programme on MeerKAT – II. Observing strategy for pulsar monitoring with subarrays. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4456-4467.	1.6	6
23	The thousand-pulsar-array programme on MeerKAT IV: Polarization properties of young, energetic pulsars. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4483-4495.	1.6	20
24	On the Evidence for a Common-spectrum Process in the Search for the Nanohertz Gravitational-wave Background with the Parkes Pulsar Timing Array. Astrophysical Journal Letters, 2021, 917, L19.	3.0	217
25	The Parkes pulsar timing array second data release: timing analysis. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2137-2153.	1.6	37
26	Timing observations of three Galactic millisecond pulsars. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5303-5309.	1.6	5
27	The impact of glitches on young pulsar rotational evolution. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3251-3274.	1.6	34
28	The dynamic magnetosphere of Swift J1818.0+1607. Monthly Notices of the Royal Astronomical Society, 2021, 502, 127-139.	1.6	18
29	Estimating fast transient detection pipeline efficiencies at UTMOST via real-time injection of mock FRBs. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2316-2326.	1.6	15
30	The thousand-pulsar-array programme on MeerKAT VII: polarisation properties of pulsars in the Magellanic Clouds. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5209-5217.	1.6	4
31	Not all fast radio bursts are created equal. Nature, 2020, 577, 176-177.	13.7	1
32	The MeerKAT telescope as a pulsar facility: System verification and early science results from MeerTime. Publications of the Astronomical Society of Australia, 2020, 37, .	1.3	108
33	Giant pulses from J1823+3021A observed with the MeerKAT telescope. Monthly Notices of the Royal Astronomical Society, 2020, 498, 875-882.	1.6	12
34	The SURvey for pulsars and extragalactic radio bursts V: recent discoveries and full timing solutions. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4836-4848.	1.6	8
35	The Thousand-Pulsar-Array programme on MeerKAT – I. Science objectives and first results. Monthly Notices of the Royal Astronomical Society, 2020, 493, 3608-3615.	1.6	30
36	Neutron Star Extreme Matter Observatory: A kilohertz-band gravitational-wave detector in the global network. Publications of the Astronomical Society of Australia, 2020, 37, .	1.3	114

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37	Spectropolarimetric Properties of Swift J1818.0â€“1607: A 1.4 s Radio Magnetar. <i>Astrophysical Journal Letters</i> , 2020, 896, L37.	3.0	33
38	The Parkes Pulsar Timing Array project: second data release. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	1.3	107
39	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
40	The UTMOST pulsar timing programme â€“ II. Timing noise across the pulsar population. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 228-245.	1.6	46
41	Timing of young radio pulsars â€“ II. Braking indices and their interpretation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 2012-2026.	1.6	33
42	The UTMOST survey for magnetars, intermittent pulsars, RRATs, and FRBs â€“ I. System description and overview. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 4752-4767.	1.6	6
43	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
44	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
45	A pulsar-based time-scale from the International Pulsar Timing Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 5951-5965.	1.6	51
46	The High Time Resolution Universe Pulsar Survey â€“ XVI. Discovery and timing of 40 pulsars from the southern Galactic plane. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1063-1087.	1.6	20
47	The SUrvey for Pulsars and Extragalactic Radio Bursts â€“ IV. Discovery and polarimetry of a 12.1-s radio pulsar. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1165-1177.	1.6	25
48	Precision Orbital Dynamics from Interstellar Scintillation Arcs for PSR J0437â€“4715. <i>Astrophysical Journal</i> , 2020, 904, 104.	1.6	39
49	Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2020, 902, L21.	3.0	65
50	Five new real-time detections of fast radio bursts with UTMOST. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 2989-3002.	1.6	49
51	Commensal discovery of four fast radio bursts during Parkes Pulsar Timing Array observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 868-875.	1.6	31
52	Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015â€“2017 LIGO Data. <i>Astrophysical Journal</i> , 2019, 879, 10.	1.6	88
53	The International Pulsar Timing Array: second data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4666-4687.	1.6	191
54	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

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55	The 2018 X-Ray and Radio Outburst of Magnetar XTE J1810â€“197. <i>Astrophysical Journal Letters</i> , 2019, 874, L25.	3.0	20
56	The dynamics of Galactic centre pulsars: constraining pulsar distances and intrinsic spin-down. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1025-1039.	1.6	7
57	Polarization studies of rotating radio transients. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1191-1199.	1.6	7
58	The High Time Resolution Universe survey â€“ 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
59	Modelling annual and orbital variations in the scintillation of the relativistic binary PSR J1141â~6545. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4389-4403.	1.6	34
60	Wideband Polarized Radio Emission from the Newly Revived Magnetar XTE J1810â€“197. <i>Astrophysical Journal Letters</i> , 2019, 874, L14.	3.0	42
61	Relativistic Spin Precession in the Binary PSR J1141â~6545. <i>Astrophysical Journal Letters</i> , 2019, 873, L15.	3.0	11
62	The High Time Resolution Universe Pulsar Survey â€“ XV. Completion of the intermediate-latitude survey with the discovery and timing of 25 further pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 5791-5801.	1.6	10
63	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
64	The High Time Resolution Universe Pulsar Survey â€“ XIII. PSR J1757â~1854, the most accelerated binary pulsar. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 475, L57-L61.	1.2	79
65	The SURvey for Pulsars and Extragalactic Radio Bursts â€“ I. Survey description and overview. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 116-135.	1.6	82
66	The SURvey for Pulsars and Extragalactic Radio Bursts â€“ II. New FRB discoveries and their follow-up. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1427-1446.	1.6	156
67	Hunting for Radio Emission from the Intermittent Pulsar J1107-5907 at Low Frequencies. <i>Astrophysical Journal</i> , 2018, 869, 134.	1.6	11
68	Parkes Pulsar Timing Array constraints on ultralight scalar-field dark matter. <i>Physical Review D</i> , 2018, 98, .	1.6	72
69	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
70	Revival of the Magnetar PSR J1622â€“4950: Observations with MeerKAT, Parkes, XMM-Newton, Swift, Chandra, and NuSTAR. <i>Astrophysical Journal</i> , 2018, 856, 180.	1.6	108
71	Studying the Solar system with the International Pulsar Timing Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 5501-5516.	1.6	36
72	Spectral properties of 441 radio pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 4436-4458.	1.6	135

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73	PSR J2322+2650 – a low-luminosity millisecond pulsar with a planetary-mass companion. Monthly Notices of the Royal Astronomical Society, 2018, 475, 469-477.	1.6	25
74	The SURvey for Pulsars and Extragalactic Radio Bursts – III. Polarization properties of FRBs 160102 and 151230. Monthly Notices of the Royal Astronomical Society, 2018, 478, 2046-2055.	1.6	48
75	Detection of a Glitch in the Pulsar J1709+4429. Research Notes of the AAS, 2018, 2, 139.	0.3	9
76	The Detection of an Extremely Bright Fast Radio Burst in a Phased Array Feed Survey. Astrophysical Journal Letters, 2017, 841, L12.	3.0	133
77	The UTMOST: A Hybrid Digital Signal Processor Transforms the Molonglo Observatory Synthesis Telescope. Publications of the Astronomical Society of Australia, 2017, 34, .	1.3	59
78	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. Physical Review Letters, 2017, 119, 161101.	2.9	6,413
79	Comparison of pulsar positions from timing and very long baseline astrometry. Monthly Notices of the Royal Astronomical Society, 2017, 469, 425-434.	1.6	20
80	Wide-band profile domain pulsar timing analysis. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3706-3727.	1.6	18
81	Follow Up of GW170817 and Its Electromagnetic Counterpart by Australian-Led Observing Programmes. Publications of the Astronomical Society of Australia, 2017, 34, .	1.3	142
82	The first interferometric detections of fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3746-3756.	1.6	115
83	The Future of Pulsar Research and Facilities. Proceedings of the International Astronomical Union, 2017, 13, 165-170.	0.0	3
84	First interferometric detections of Fast Radio Bursts. Proceedings of the International Astronomical Union, 2017, 13, 322-323.	0.0	0
85	Strong field tests of gravity with PSR J1141+6545. Proceedings of the International Astronomical Union, 2017, 13, 142-145.	0.0	0
86	Spin-down Evolution and Radio Disappearance of the Magnetar PSR J1622+4950. Astrophysical Journal, 2017, 841, 126.	1.6	26
87	Introduction to the Special Issue on Digital Signal Processing in Radio Astronomy. Journal of Astronomical Instrumentation, 2016, 05, .	0.8	7
88	FRBCAT: The Fast Radio Burst Catalogue. Publications of the Astronomical Society of Australia, 2016, 33, .	1.3	420
89	HIPSR: A Digital Signal Processor for the Parkes 21-cm Multibeam Receiver. Journal of Astronomical Instrumentation, 2016, 05, .	0.8	18
90	THE DISTURBANCE OF A MILLISECOND PULSAR MAGNETOSPHERE. Astrophysical Journal Letters, 2016, 828, L1.	3.0	33

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91	Gravitational-Wave Cosmology across 29 Decades in Frequency. <i>Physical Review X</i> , 2016, 6, .	2.8	113
92	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
93	The <i>NuSTAR</i> view of the non-thermal emission from PSR J0437 \hat{a} [~] 4715. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 2612-2622.	1.6	21
94	Timing analysis for 20 millisecond pulsars in the Parkes Pulsar Timing Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 1751-1769.	1.6	233
95	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
96	Versatile directional searches for gravitational waves with Pulsar Timing Arrays. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 3662-3673.	1.6	17
97	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
98	The host galaxy of a fast radio burst. <i>Nature</i> , 2016, 530, 453-456.	13.7	241
99	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
100	A survey of FRB fields: limits on repeatability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 457-462.	1.6	71
101	The High Time Resolution Universe Pulsar Survey \hat{a} [€] 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
102	A real-time fast radio burst: polarization detection and multiwavelength follow-up. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 246-255.	1.6	236
103	The High Time Resolution Universe survey \hat{a} [€] XI. Discovery of five recycled pulsars and the optical detectability of survey white dwarf companions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 4019-4028.	1.6	25
104	Gravitational waves from binary supermassive black holes missing in pulsar observations. <i>Science</i> , 2015, 349, 1522-1525.	6.0	386
105	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
106	PULSAR OBSERVATIONS OF EXTREME SCATTERING EVENTS. <i>Astrophysical Journal</i> , 2015, 808, 113.	1.6	75
107	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
108	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

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109	Limitations in timing precision due to single-pulse shape variability in millisecond pulsars. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1463-1481.	1.6	94
110	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
111	Timing, polarimetry and physics of the bright, nearby millisecond pulsar PSR J0437+4715 – a single-pulse perspective. Monthly Notices of the Royal Astronomical Society, 2014, 441, 3148-3160.	1.6	29
112	SPINN: a straightforward machine learning solution to the pulsar candidate selection problem. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1651-1662.	1.6	72
113	AN ABSENCE OF FAST RADIO BURSTS AT INTERMEDIATE GALACTIC LATITUDES. Astrophysical Journal Letters, 2014, 789, L26.	3.0	56
114	A Population of Fast Radio Bursts at Cosmological Distances. Science, 2013, 341, 53-56.	6.0	803
115	The Parkes Pulsar Timing Array Project. Publications of the Astronomical Society of Australia, 2013, 30, .	1.3	350
116	Measurement and correction of variations in interstellar dispersion in high-precision pulsar timing. Monthly Notices of the Royal Astronomical Society, 2013, 429, 2161-2174.	1.6	174
117	The High Time Resolution Universe survey – IX. Polarimetry of long-period pulsars. Monthly Notices of the Royal Astronomical Society, 2013, 436, 3557-3572.	1.6	16
118	Improving the precision of pulsar timing through polarization statistics. Monthly Notices of the Royal Astronomical Society, 2013, 430, 416-424.	1.6	22
119	The High Time Resolution Universe Pulsar Survey – VIII. The Galactic millisecond pulsar population. Monthly Notices of the Royal Astronomical Society, 2013, 434, 1387-1397.	1.6	64
120	The High Time Resolution Universe Pulsar Survey – VII. Discovery of five millisecond pulsars and the different luminosity properties of binary and isolated recycled pulsars. Monthly Notices of the Royal Astronomical Society, 2013, 433, 259-269.	1.6	24
121	DETECTION OF FAST TRANSIENTS WITH RADIO INTERFEROMETRIC ARRAYS. Astrophysical Journal, Supplement Series, 2013, 206, 2.	3.0	10
122	Gravitational-Wave Limits from Pulsar Timing Constrain Supermassive Black Hole Evolution. Science, 2013, 342, 334-337.	6.0	133
123	Tracking dispersion measure variations of timing array pulsars with the GMRT. Proceedings of the International Astronomical Union, 2012, 8, 432-434.	0.0	1
124	A SHAPIRO DELAY DETECTION IN THE BINARY SYSTEM HOSTING THE MILLISECOND PULSAR PSR J1910+5959A. Astrophysical Journal, 2012, 760, 100.	1.6	25
125	Development of a pulsar-based time-scale. Monthly Notices of the Royal Astronomical Society, 2012, 427, 2780-2787.	1.6	163
126	The High Time Resolution Universe Pulsar Survey – VI. An artificial neural network and timing of 75 pulsars. Monthly Notices of the Royal Astronomical Society, 2012, 427, 1052-1065.	1.6	69

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127	MULTI-WAVELENGTH OBSERVATIONS OF THE RADIO MAGNETAR PSR J1622-4950 AND DISCOVERY OF ITS POSSIBLY ASSOCIATED SUPERNOVA REMNANT. <i>Astrophysical Journal</i> , 2012, 751, 53.	1.6	53
128	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
129	Enhanced pulsar and single pulse detection via automated radio frequency interference detection in multipixel feeds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 271-278.	1.6	34
130	Accelerating incoherent dedispersion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 379-392.	1.6	90
131	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
132	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
133	The relativistic pulsar-white dwarf binary PSR J1738+0333 - II. The most stringent test of scalar-tensor gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 3328-3343.	1.6	435
134	PSR J1141-6545: A POWERFUL LABORATORY OF GR AND TENSOR-SCALAR THEORIES OF GRAVITY. , 2012, , .		3
135	The Parkes Observatory Pulsar Data Archive. <i>Publications of the Astronomical Society of Australia</i> , 2011, 28, 202-214.	1.3	69
136	RADIO BURSTS WITH EXTRAGALACTIC SPECTRAL CHARACTERISTICS SHOW TERRESTRIAL ORIGINS. <i>Astrophysical Journal</i> , 2011, 727, 18.	1.6	102
137	A 6.5-GHz multibeam pulsar survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 411, 1575-1584.	1.6	42
138	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
139	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
140	Polarization observations of 20 millisecond pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 2087-2100.	1.6	69
141	17- and 24-GHz observations of southern pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, , no-no.	1.6	21
142	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
143	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
144	Rotation measure variations for 20 millisecond pulsars. <i>Astrophysics and Space Science</i> , 2011, 335, 485-498.	0.5	16

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145	Measuring the mass of solar system planets using pulsar timing. , 2011, , .		0
146	DSPSR: Digital Signal Processing Software for Pulsar Astronomy. Publications of the Astronomical Society of Australia, 2011, 28, 1-14.	1.3	365
147	Transformation of a Star into a Planet in a Millisecond Pulsar Binary. Science, 2011, 333, 1717-1720.	6.0	152
148	The High Time Resolution Universe: The latest survey for pulsars at Parkes. , 2011, , .		0
149	The Discovery of 5 Millisecond Pulsars in the High Time Resolution Universe Survey. , 2011, , .		1
150	The Radio-loud Magnetar PSR J1622âˆ”4950. , 2011, , .		0
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152	A RADIO-LOUD MAGNETAR IN X-RAY QUIESCENCE. Astrophysical Journal Letters, 2010, 721, L33-L37.	3.0	153
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