

George Hobbs

List of Publications by Year in descending order

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194
papers

19,461
citations

14655

66
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11308

136
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196
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196
docs citations

196
times ranked

7196
citing authors

#	ARTICLE	IF	CITATIONS
1	The Australia Telescope National Facility Pulsar Catalogue. <i>Astronomical Journal</i> , 2005, 129, 1993-2006.	4.7	2,433
2	A statistical study of 233 pulsar proper motions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 360, 974-992.	4.4	1,022
3	tempo2, a new pulsar-timing package - I. An overview. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 369, 655-672.	4.4	878
4	Tests of General Relativity from Timing the Double Pulsar. <i>Science</i> , 2006, 314, 97-102.	12.6	817
5	Transient radio bursts from rotating neutron stars. <i>Nature</i> , 2006, 439, 817-820.	27.8	509
6	The International Pulsar Timing Array project: using pulsars as a gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2010, 27, 084013.	4.0	494
7	TEMPO2, a new pulsar timing package - II. The timing model and precision estimates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 372, 1549-1574.	4.4	472
8	The Parkes Multibeam Pulsar Survey - VI. Discovery and timing of 142 pulsars and a Galactic population analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 372, 777-800.	4.4	417
9	Switched Magnetospheric Regulation of Pulsar Spin-Down. <i>Science</i> , 2010, 329, 408-412.	12.6	405
10	Gravitational waves from binary supermassive black holes missing in pulsar observations. <i>Science</i> , 2015, 349, 1522-1525.	12.6	386
11	The Parkes Pulsar Timing Array Project. <i>Publications of the Astronomical Society of Australia</i> , 2013, 30, .	3.4	350
12	Long-term timing observations of 374 pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 353, 1311-1344.	4.4	338
13	Science with ASKAP. <i>Experimental Astronomy</i> , 2008, 22, 151-273.	3.7	332
14	The International Pulsar Timing Array: First data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 1267-1288.	4.4	332
15	Upper Bounds on the Low-Frequency Stochastic Gravitational Wave Background from Pulsar Timing Observations: Current Limits and Future Prospects. <i>Astrophysical Journal</i> , 2006, 653, 1571-1576.	4.5	289
16	An analysis of the timing irregularities for 366 pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 1027-1048.	4.4	258
17	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.	4.4	233
18	Science with the Australian Square Kilometre Array Pathfinder. <i>Publications of the Astronomical Society of Australia</i> , 2007, 24, 174-188.	3.4	231

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19	Precision Timing of PSR J0437+4715: An Accurate Pulsar Distance, a High Pulsar Mass, and a Limit on the Variation of Newton's Gravitational Constant. <i>Astrophysical Journal</i> , 2008, 679, 675-680.	4.5	229
20	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.	8.3	217
21	The International Pulsar Timing Array: second data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4666-4687.	4.4	191
22	A Population of Gamma-Ray Millisecond Pulsars Seen with the Fermi Large Area Telescope. <i>Science</i> , 2009, 325, 848-852.	12.6	190
23	The Parkes Multibeam Pulsar Survey - III. Young pulsars and the discovery and timing of 200 pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 342, 1299-1324.	4.4	189
24	Evidence for alignment of the rotation and velocity vectors in pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 364, 1397-1412.	4.4	188
25	Timing stability of millisecond pulsars and prospects for gravitational-wave detection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 400, 951-968.	4.4	178
26	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.	4.4	174
27	Gravitational Wave Astronomy with the SKA. , 2015, , .		174
28	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.	4.4	174
29	The Parkes Pulsar Timing Array. <i>Classical and Quantum Gravity</i> , 2013, 30, 224007.	4.0	172
30	Development of a pulsar-based time-scale. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 2780-2787.	4.4	163
31	Detection of 107 glitches in 36 southern pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 688-724.	4.4	160
32	The Parkes multibeam pulsar survey - IV. Discovery of 180 pulsars and parameters for 281 previously known pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 352, 1439-1472.	4.4	157
33	The Parkes Multibeam Pulsar Survey - II. Discovery and timing of 120 pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 335, 275-290.	4.4	154
34	Pulsar timing analysis in the presence of correlated noise. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 418, 561-570.	4.4	140
35	The Parkes Multibeam Pulsar Survey - V. Finding binary and millisecond pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 355, 147-158.	4.4	139
36	Gravitational-Wave Limits from Pulsar Timing Constrain Supermassive Black Hole Evolution. <i>Science</i> , 2013, 342, 334-337.	12.6	133

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37	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , 2017, 839, 12.	4.5	131
38	A bimodal burst energy distribution of a repeating fast radio burst source. <i>Nature</i> , 2021, 598, 267-271.	27.8	129
39	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , 2014, 785, 119.	4.5	125
40	Dispersion measure variations and their effect on precision pulsar timing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 378, 493-506.	4.4	121
41	<i>FERMI</i> LARGE AREA TELESCOPE OBSERVATIONS OF THE VELA PULSAR. <i>Astrophysical Journal</i> , 2009, 696, 1084-1093.	4.5	120
42	Gravitational-Wave Cosmology across 29 Decades in Frequency. <i>Physical Review X</i> , 2016, 6, .	8.9	113
43	An ultra-wide bandwidth (704 to 4032 MHz) receiver for the Parkes radio telescope. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	3.4	113
44	MEASURING THE MASS OF SOLAR SYSTEM PLANETS USING PULSAR TIMING. <i>Astrophysical Journal Letters</i> , 2010, 720, L201-L205.	8.3	112
45	A study of multifrequency polarization pulse profiles of millisecond pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 3223-3262.	4.4	109
46	Revival of the Magnetar PSR J1622-4950: Observations with MeerKAT, Parkes, XMM-Newton, Swift, Chandra, and NuSTAR. <i>Astrophysical Journal</i> , 2018, 856, 180.	4.5	108
47	The Parkes Pulsar Timing Array project: second data release. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	3.4	107
48	Arecibo Pulsar Survey Using ALFA. II. The Young, Highly Relativistic Binary Pulsar J1906+0746. <i>Astrophysical Journal</i> , 2006, 640, 428-434.	4.5	103
49	PSR J1847-0130: A Radio Pulsar with Magnetar Spin Characteristics. <i>Astrophysical Journal</i> , 2003, 591, L135-L138.	4.5	100
50	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.	4.4	98
51	THE VELA PULSAR: RESULTS FROM THE FIRST YEAR OF <i>FERMI</i> LAT OBSERVATIONS. <i>Astrophysical Journal</i> , 2010, 713, 154-165.	4.5	96
52	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.	4.4	94
53	Discovery of Three Wide-Orbit Binary Pulsars: Implications for Binary Evolution and Equivalence Principles. <i>Astrophysical Journal</i> , 2005, 632, 1060-1068.	4.5	91
54	HIGH-PRECISION TIMING OF FIVE MILLISECOND PULSARS: SPACE VELOCITIES, BINARY EVOLUTION, AND EQUIVALENCE PRINCIPLES. <i>Astrophysical Journal</i> , 2011, 743, 102.	4.5	90

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55	The sensitivity of the Parkes Pulsar Timing Array to individual sources of gravitational waves. Monthly Notices of the Royal Astronomical Society, 2010, 407, 669-680.	4.4	89
56	From spin noise to systematics: stochastic processes in the first International Pulsar Timing Array data release. Monthly Notices of the Royal Astronomical Society, 2016, 458, 2161-2187.	4.4	82
57	Pulsar timing for the Fermi gamma-ray space telescope. Astronomy and Astrophysics, 2008, 492, 923-931.	5.1	81
58	A study of spatial correlations in pulsar timing array data. Monthly Notices of the Royal Astronomical Society, 2016, 455, 4339-4350.	4.4	80
59	Gravitational-Wave Detection Using Pulsars: Status of the Parkes Pulsar Timing Array Project. Publications of the Astronomical Society of Australia, 2009, 26, 103-109.	3.4	79
60	Searching for gravitational wave memory bursts with the Parkes Pulsar Timing Array. Monthly Notices of the Royal Astronomical Society, 2015, 446, 1657-1671.	4.4	79
61	The Proper Motion, Age, and Initial Spin Period of PSR J0538+2817 in S147. Astrophysical Journal, 2003, 593, L31-L34.	4.5	76
62	High signal-to-noise ratio observations and the ultimate limits of precision pulsar timing. Monthly Notices of the Royal Astronomical Society, 2011, 418, 1258-1271.	4.4	75
63	PULSAR OBSERVATIONS OF EXTREME SCATTERING EVENTS. Astrophysical Journal, 2015, 808, 113.	4.5	75
64	DETECTION OF THE ENERGETIC PULSAR PSR B1509-58 AND ITS PULSAR WIND NEBULA IN MSH 15-52 USING THE FERMI-LARGE AREA TELESCOPE. Astrophysical Journal, 2010, 714, 927-936.	4.5	72
65	Parkes Pulsar Timing Array constraints on ultralight scalar-field dark matter. Physical Review D, 2018, 98, .	4.7	72
66	Pulsar Birthrates from the Parkes Multibeam Survey. Astrophysical Journal, 2004, 617, L139-L142.	4.5	70
67	Binary supermassive black hole environments diminish the gravitational wave signal in the pulsar timing band. Monthly Notices of the Royal Astronomical Society, 2014, 442, 56-68.	4.4	70
68	The Parkes Observatory Pulsar Data Archive. Publications of the Astronomical Society of Australia, 2011, 28, 202-214.	3.4	69
69	Polarization observations of 20 millisecond pulsars. Monthly Notices of the Royal Astronomical Society, 2011, 414, 2087-2100.	4.4	69
70	DOES A STOCHASTIC BACKGROUND OF GRAVITATIONAL WAVES EXIST IN THE PULSAR TIMING BAND?. Astrophysical Journal, 2012, 761, 84.	4.5	67
71	An Improved Solar Wind Electron Density Model for Pulsar Timing. Astrophysical Journal, 2007, 671, 907-911.	4.5	65
72	Evidence for alignment of the rotation and velocity vectors in pulsars - II. Further data and emission heights. Monthly Notices of the Royal Astronomical Society, 2007, 381, 1625-1637.	4.4	65

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73	Pulsar Timing with the Parkes Radio Telescope for the <i>Fermi</i> Mission. Publications of the Astronomical Society of Australia, 2010, 27, 64-75.	3.4	64
74	tempo2: a new pulsar timing package - III. Gravitational wave simulation. Monthly Notices of the Royal Astronomical Society, 2009, 394, 1945-1955.	4.4	62
75	<i>FERMI</i> -LAT SEARCH FOR PULSAR WIND NEBULAE AROUND GAMMA-RAY PULSARS. Astrophysical Journal, 2011, 726, 35.	4.5	60
76	A PRECISE MASS MEASUREMENT OF THE INTERMEDIATE-MASS BINARY PULSAR PSR J1802-2124. Astrophysical Journal, 2010, 711, 764-771.	4.5	59
77	Prospects for gravitational-wave detection and supermassive black hole astrophysics with pulsar timing arrays. Monthly Notices of the Royal Astronomical Society, 2015, 447, 2772-2783.	4.4	56
78	Long-Term Variations in the Pulse Emission from PSR J0737-3039B. Astrophysical Journal, 2005, 624, L113-L116.	4.5	54
79	OBSERVATIONS AND MODELING OF RELATIVISTIC SPIN PRECESSION IN PSR J1141-6545. Astrophysical Journal, 2010, 710, 1694-1709.	4.5	54
80	SCATTERING OF PULSAR RADIO EMISSION BY THE INTERSTELLAR PLASMA. Astrophysical Journal, 2010, 717, 1206-1221.	4.5	54
81	On detection of the stochastic gravitational-wave background using the Parkes pulsar timing array. Monthly Notices of the Royal Astronomical Society, 2011, 414, 1777-1787.	4.4	54
82	A pulsar-based time-scale from the International Pulsar Timing Array. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5951-5965.	4.4	51
83	The Mean Pulse Profile of PSR J0737-3039A. Astrophysical Journal, 2005, 621, L49-L52.	4.5	48
84	DISCOVERY OF PULSED γ -RAYS FROM PSR J0034-0534 WITH THE <i>FERMI</i> LARGE AREA TELESCOPE: A CASE FOR CO-LOCATED RADIO AND γ -RAY EMISSION REGIONS. Astrophysical Journal, 2010, 712, 957-963.	4.5	47
85	Identifying and mitigating noise sources in precision pulsar timing data sets. Monthly Notices of the Royal Astronomical Society, 2021, 502, 478-493.	4.4	47
86	Interplanetary spacecraft navigation using pulsars. Advances in Space Research, 2013, 52, 1602-1621.	2.6	46
87	HIGH-RESOLUTION TIMING OBSERVATIONS OF SPIN-POWERED PULSARS WITH THE <i>AGILE</i> GAMMA-RAY TELESCOPE. Astrophysical Journal, 2009, 691, 1618-1633.	4.5	43
88	WIDE RADIO BEAMS FROM γ -RAY PULSARS. Astrophysical Journal Letters, 2010, 716, L85-L89.	8.3	42
89	A 6.5-GHz multibeam pulsar survey. Monthly Notices of the Royal Astronomical Society, 2011, 411, 1575-1584.	4.4	42
90	PSR J1016+5857: A Young Radio Pulsar with Possible Supernova Remnant, X-Ray, and Gamma-Ray Associations. Astrophysical Journal, 2001, 557, L51-L55.	4.5	41

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91	<i><i>FERMI</i> LARGE AREA TELESCOPE DETECTION OF PULSED $\hat{1}^3$-RAYS FROM THE VELA-LIKE PULSARS PSR J1048â€“5832 AND PSR J2229+6114. <i>Astrophysical Journal</i>, 2009, 706, 1331-1340.</i>	4.5	41
92	Periodic modulation in pulse arrival times from young pulsars: a renewed case for neutron star precession. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 1845-1854.	4.4	40
93	Gravitational wave research using pulsar timing arrays. <i>National Science Review</i> , 2017, 4, 707-717.	9.5	40
94	Constraining Cosmological Phase Transitions with the Parkes Pulsar Timing Array. <i>Physical Review Letters</i> , 2021, 127, 251303.	7.8	40
95	Timing measurements and proper motions of 74 pulsars using the Nanshan radio telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 362, 1189-1198.	4.4	39
96	Precision Orbital Dynamics from Interstellar Scintillation Arcs for PSR J0437â€“4715. <i>Astrophysical Journal</i> , 2020, 904, 104.	4.5	39
97	Discovery of two new pulsars in 47ÂTucanae (NGC 104). <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 459, L26-L30.	3.3	38
98	The first pulsar discovered by FAST. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	38
99	Measurement of the electron density and magnetic field of the solar wind using millisecond pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 1160-1165.	4.4	37
100	Detection and localization of single-source gravitational waves with pulsar timing arrays. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 1650-1663.	4.4	37
101	The Parkes pulsar timing array second data release: timing analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 2137-2153.	4.4	37
102	Studying the Solar system with the International Pulsar Timing Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 5501-5516.	4.4	36
103	The Parkes multibeam pulsar survey â€“ VII. Timing of four millisecond pulsars and the underlying spin-period distribution of the Galactic millisecond pulsar population. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 2185-2194.	4.4	35
104	DISCOVERY OF PULSATIONS FROM THE PULSAR J0205+6449 IN SNR 3C 58 WITH THE <i><i>FERMI</i> GAMMA-RAY SPACE TELESCOPE</i>. <i>Astrophysical Journal</i>, 2009, 699, L102-L107.</i>	4.5	34
105	Modelling annual and orbital variations in the scintillation of the relativistic binary PSR J1141âˆ“6545. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4389-4403.	4.4	34
106	THE DISTURBANCE OF A MILLISECOND PULSAR MAGNETOSPHERE. <i>Astrophysical Journal Letters</i> , 2016, 828, L1.	8.3	33
107	The role of FAST in pulsar timing arrays. <i>Research in Astronomy and Astrophysics</i> , 2019, 19, 020.	1.7	32
108	DISCOVERY OF PULSED $\hat{1}^3$ -RAYS FROM THE YOUNG RADIO PULSAR PSR J1028â€“5819 WITH THE <i><i>FERMI</i> LARGE AREA TELESCOPE</i>. <i>Astrophysical Journal</i>, 2009, 695, L72-L77.</i>	4.5	31

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109	LIMITS ON PLANET FORMATION AROUND YOUNG PULSARS AND IMPLICATIONS FOR SUPERNOVA FALLBACK DISKS. <i>Astrophysical Journal Letters</i> , 2015, 809, L11.	8.3	31
110	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.	4.4	31
111	A Fast Radio Burst Discovered in FAST Drift Scan Survey. <i>Astrophysical Journal Letters</i> , 2020, 895, L6.	8.3	31
112	Supernova Remnants in the Magellanic Clouds. V. The Complex Interior Structure of the N206 Supernova Remnant. <i>Astrophysical Journal</i> , 2005, 628, 704-720.	4.5	30
113	Timing, polarimetry and physics of the bright, nearby millisecond pulsar PSR J0437+4715 a single-pulse perspective. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 3148-3160.	4.4	29
114	Radio detections of southern ultracool dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 1224-1232.	4.4	29
115	PSR J1926-0652: A Pulsar with Interesting Emission Properties Discovered at FAST. <i>Astrophysical Journal</i> , 2019, 877, 55.	4.5	28
116	The Very Young Radio Pulsar J1357-6429. <i>Astrophysical Journal</i> , 2004, 611, L25-L28.	4.5	27
117	A very large glitch in PSR J1806+2125. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 333, L7-L10.	4.4	26
118	Status update of the Parkes pulsar timing array. <i>Classical and Quantum Gravity</i> , 2010, 27, 084015.	4.0	26
119	CONSTRAINING THE COALESCENCE RATE OF SUPERMASSIVE BLACK-HOLE BINARIES USING PULSAR TIMING. <i>Astrophysical Journal</i> , 2011, 730, 29.	4.5	26
120	OBSERVATIONS OF ENERGETIC HIGH MAGNETIC FIELD PULSARS WITH THE <i>FERMI</i> LARGE AREA TELESCOPE. <i>Astrophysical Journal</i> , 2011, 743, 170.	4.5	26
121	Gravitational wave astronomy: the current status. <i>Science China: Physics, Mechanics and Astronomy</i> , 2015, 58, 1.	5.1	26
122	Detection and localization of continuous gravitational waves with pulsar timing arrays: the role of pulsar terms. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 1317-1327.	4.4	26
123	An in-depth investigation of 11 pulsars discovered by FAST. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 3515-3530.	4.4	26
124	Pulsar Timing Noise. <i>Research in Astronomy and Astrophysics</i> , 2006, 6, 169-175.	1.1	25
125	THE MAGNETOSPHERE OF THE ULTRACOOL DWARF DENIS 1048+3956. <i>Astrophysical Journal Letters</i> , 2011, 735, L2.	8.3	24
126	Observations and modelling of pulsed radio emission from CU Virginis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 3316-3324.	4.4	23

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127	A pilot ASKAP survey of radio transient events in the region around the intermittent pulsar PSR J1107 $\hat{\sim}$ 5907. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3948-3960.	4.4	23
128	Characterizing the rotational irregularities of the Vela pulsar from 21 $\hat{\text{A}}$ yr of phase-coherent timing. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3104-3111.	4.4	23
129	Robust estimation of scattering in pulsar timing analysis. Monthly Notices of the Royal Astronomical Society, 2017, 468, 1474-1485.	4.4	23
130	Mode switching and oscillations in PSR B1828 $\hat{\text{a}}$ 11. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3230-3240.	4.4	23
131	Observations of six glitches in PSR B1737 $\hat{\text{a}}$ 30. Monthly Notices of the Royal Astronomical Society, 2008, 384, 1063-1068.	4.4	22
132	The FAST Discovery of an Eclipsing Binary Millisecond Pulsar in the Globular Cluster M92 (NGC $\hat{\text{A}}$ 6341). Astrophysical Journal Letters, 2020, 892, L6.	8.3	22
133	The PULSE@Parkes Project: a New Observing Technique for Long-Term Pulsar Monitoring. Publications of the Astronomical Society of Australia, 2009, 26, 468-475.	3.4	21
134	Detecting pulsars with interstellar scintillation in variance images. Monthly Notices of the Royal Astronomical Society, 2016, 462, 3115-3122.	4.4	21
135	Consistency of the Parkes Pulsar Timing Array Signal with a Nanohertz Gravitational-wave Background. Astrophysical Journal Letters, 2022, 932, L22.	8.3	21
136	Pulsars and Gravitational Wave Detection. Publications of the Astronomical Society of Australia, 2005, 22, 179-183.	3.4	20
137	Observations of radio pulses from CU Virginis. Monthly Notices of the Royal Astronomical Society: Letters, 2010, 408, L99-L103.	3.3	20
138	Comparison of pulsar positions from timing and very long baseline astrometry. Monthly Notices of the Royal Astronomical Society, 2017, 469, 425-434.	4.4	20
139	Timing the main-sequence-star binary pulsar J1740 $\hat{\text{a}}$ 3052. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2378-2385.	4.4	19
140	Adaptive filters revisited: Radio frequency interference mitigation in pulsar observations. Radio Science, 2005, 40, n/a-n/a.	1.6	18
141	Gravitational wave detection using high precision pulsar observations. Classical and Quantum Gravity, 2008, 25, 114032.	4.0	18
142	A GIANT GLITCH IN PSR J1718 $\hat{\text{a}}$ 3718. Astrophysical Journal Letters, 2011, 736, L31.	8.3	18
143	Optimal interpolation and prediction in pulsar timing. Monthly Notices of the Royal Astronomical Society, 2012, 424, 244-251.	4.4	18
144	The Perseus Arm Pulsar Survey. Monthly Notices of the Royal Astronomical Society, 2013, 429, 579-588.	4.4	18

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145	Wide-band profile domain pulsar timing analysis. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3706-3727.	4.4	18
146	A new fast radio burst in the data sets containing the Lorimer burst. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 484, L147-L150.	3.3	18
147	The three discrete nulling time-scales of PSR J1717+4054. Monthly Notices of the Royal Astronomical Society, 2014, 445, 320-329.	4.4	17
148	Versatile directional searches for gravitational waves with Pulsar Timing Arrays. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3662-3673.	4.4	17
149	FAST early pulsar discoveries: Effelsberg follow-up. Monthly Notices of the Royal Astronomical Society, 2021, 508, 300-314.	4.4	17
150	Rotation measure variations for 20 millisecond pulsars. Astrophysics and Space Science, 2011, 335, 485-498.	1.4	16
151	Results of 12 yr of Pulsar Timing at Nanshan. I.. Astrophysical Journal, 2020, 896, 140.	4.5	16
152	High-precision search for dark photon dark matter with the Parkes Pulsar Timing Array. Physical Review Research, 2022, 4, .	3.6	16
153	Pulsar timing array signals induced by black hole binaries in relativistic eccentric orbits. Physical Review D, 2020, 101, .	4.7	14
154	Searching for gravitational-wave bursts from cosmic string cusps with the Parkes Pulsar Timing Array. Monthly Notices of the Royal Astronomical Society, 2020, 501, 701-712.	4.4	14
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