Michael Kramer

List of Publications by Year
in descending order

409 papers	44,404 citations	2544 96 h-index	2332 199 g-index
414 all docs	414 docs citations	414 times ranked	12085 citing authors

#	Article	IF	Citations
1	A Massive Pulsar in a Compact Relativistic Binary. Science, 2013, 340, 448, 1233232.	12.6	2,890
2	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L1.	8.3	2,264
3	LOFAR: The LOw-Frequency ARray. Astronomy and Astrophysics, 2013, 556, A2.	5.1	1,755
4	A statistical study of 233 pulsar proper motions. Monthly Notices of the Royal Astronomical Society, 2005, 360, 974-992.	4.4	1,022
5	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. Astrophysical Journal Letters, 2019, 875, L6.	8.3	897
6	Tests of General Relativity from Timing the Double Pulsar. Science, 2006, 314, 97-102.	12.6	817
7	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. Astrophysical Journal Letters, 2019, 875, L5.	8.3	814
8	An increased estimate of the merger rate of double neutron stars from observations of a highly relativistic system. Nature, 2003, 426, 531-533.	27.8	806
9	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L4.	8.3	806
10	A Population of Fast Radio Bursts at Cosmological Distances. Science, 2013, 341, 53-56.	12.6	803
11	A Double-Pulsar System: A Rare Laboratory for Relativistic Gravity and Plasma Physics. Science, 2004, 303, 1153-1157.	12.6	787
12	THE SECOND FERMI LARGE AREA TELESCOPE CATALOG OF GAMMA-RAY PULSARS. Astrophysical Journal, Supplement Series, 2013, 208, 17.	7.7	693
13	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. Astrophysical Journal Letters, 2019, 875, L2.	8.3	618
14	First Sagittarius A* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way. Astrophysical Journal Letters, 2022, 930, L12.	8.3	568
15	The Parkes multi-beam pulsar survey - I. Observing and data analysis systems, discovery and timing of 100 pulsars. Monthly Notices of the Royal Astronomical Society, 2001, 328, 17-35.	4.4	534
16	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. Astrophysical Journal Letters, 2019, 875, L3.	8.3	519
17	Transient radio bursts from rotating neutron stars. Nature, 2006, 439, 817-820.	27.8	509
18	The International Pulsar Timing Array project: using pulsars as a gravitational wave detector. Classical and Quantum Gravity, 2010, 27, 084013.	4.0	494

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19	Black holes, gravitational waves and fundamental physics: a roadmap. Classical and Quantum Gravity, 2019, 36, 143001.	4.0	451
20	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.	4.4	435
21	Formation of Double Neutron Star Systems. Astrophysical Journal, 2017, 846, 170.	4.5	435
22	FRBCAT: The Fast Radio Burst Catalogue. Publications of the Astronomical Society of Australia, 2016, 33, .	3.4	420
23	The Parkes Multibeam Pulsar Survey - VI. Discovery and timing of 142 pulsars and a Galactic population analysis. Monthly Notices of the Royal Astronomical Society, 2006, 372, 777-800.	4.4	417
24	Switched Magnetospheric Regulation of Pulsar Spin-Down. Science, 2010, 329, 408-412.	12.6	405
25	A Periodically Active Pulsar Giving Insight into Magnetospheric Physics. Science, 2006, 312, 549-551.	12.6	398
26	A study of 315 glitches in the rotation of 102 pulsars. Monthly Notices of the Royal Astronomical Society, 2011, 414, 1679-1704.	4.4	384
27	European Pulsar Timing Array limits on an isotropic stochastic gravitational-wave background. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2577-2599.	4.4	380
28	High-precision timing of 42 millisecond pulsars with the European Pulsar Timing Array. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3341-3380.	4.4	351
29	A strong magnetic field around the supermassive black hole at the centre of the Galaxy. Nature, 2013, 501, 391-394.	27.8	340
30	Long-term timing observations of 374 pulsars. Monthly Notices of the Royal Astronomical Society, 2004, 353, 1311-1344.	4.4	338
31	The International Pulsar Timing Array: First data release. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1267-1288.	4.4	332
32	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. Astrophysical Journal Letters, 2021, 910, L13.	8.3	297
33	The High Time Resolution Universe Pulsar Survey - I. System configuration and initial discoveries. Monthly Notices of the Royal Astronomical Society, 2010, 409, 619-627.	4.4	281
34	An analysis of the timing irregularities for 366 pulsars. Monthly Notices of the Royal Astronomical Society, 2010, 402, 1027-1048.	4.4	258
35	Progenitors of gravitational wave mergers: binary evolution with the stellar grid-based code ComBinE. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1908-1949.	4.4	248
36	On the nature and evolution of the unique binary pulsar J1903+0327. Monthly Notices of the Royal Astronomical Society, 2011, 412, 2763-2780.	4.4	237

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37	The Characteristics of Millisecond Pulsar Emission. I. Spectra, Pulse Shapes, and the Beaming Fraction. Astrophysical Journal, 1998, 501, 270-285.	4.5	236
38	A real-time fast radio burst: polarization detection and multiwavelength follow-up. Monthly Notices of the Royal Astronomical Society, 2015, 447, 246-255.	4.4	236
39	The double pulsar system: a unique laboratory for gravity. Classical and Quantum Gravity, 2009, 26, 073001.	4.0	232
40	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. Astrophysical Journal Letters, 2021, 910, L12.	8.3	215
41	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. Astrophysical Journal Letters, 2022, 930, L17.	8.3	215
42	Placing limits on the stochastic gravitational-wave background using European Pulsar Timing Array data. Monthly Notices of the Royal Astronomical Society, 2011, 414, 3117-3128.	4.4	207
43	Precision timing measurements of PSR J1012+5307. Monthly Notices of the Royal Astronomical Society, 2001, 326, 274-282.	4.4	202
44	On the origin of a highly dispersed coherent radio burst. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 425, L71-L75.	3.3	200
45	PRECISE Î³-RAY TIMING AND RADIO OBSERVATIONS OF 17 FERMI Î³-RAY PULSARS. Astrophysical Journal, Supplement Series, 2011, 194, 17.	7.7	195
46	The International Pulsar Timing Array: second data release. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4666-4687.	4.4	191
47	A Population of Gamma-Ray Millisecond Pulsars Seen with the Fermi Large Area Telescope. Science, 2009, 325, 848-852.	12.6	190
48	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. Physical Review Letters, 2020, 125, 141104.	7.8	190
49	Evidence for alignment of the rotation and velocity vectors in pulsars. Monthly Notices of the Royal Astronomical Society, 2005, 364, 1397-1412.	4.4	188
50	First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. Astrophysical Journal Letters, 2022, 930, L16.	8.3	187
51	Observing pulsars and fast transients with LOFAR. Astronomy and Astrophysics, 2011, 530, A80.	5.1	185
52	Common-red-signal analysis with 24-yr high-precision timing of the European Pulsar Timing Array: inferences in the stochastic gravitational-wave background search. Monthly Notices of the Royal Astronomical Society, 2021, 508, 4970-4993.	4.4	184
53	Pulsar spectra of radio emission. Astronomy and Astrophysics, 2000, 147, 195-203.	2.1	182
54	The current ability to test theories of gravity with black hole shadows. Nature Astronomy, 2018, 2, 585-590.	10.1	180

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55	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. Astrophysical Journal, Supplement Series, 2019, 243, 26.	7.7	175
56	The International Pulsar Timing Array second data release: Search for an isotropic gravitational wave background. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4873-4887.	4.4	174
57	Pulsar searches and timing with the square kilometre array. Astronomy and Astrophysics, 2009, 493, 1161-1170.	5.1	170
58	Determination of the Geometry of the PSR B1913+16 System by Geodetic Precession. Astrophysical Journal, 1998, 509, 856-860.	4.5	167
59	PROSPECTS FOR PROBING THE SPACETIME OF Sgr A* WITH PULSARS. Astrophysical Journal, 2012, 747, 1.	4.5	165
60	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. Astrophysical Journal Letters, 2022, 930, L14.	8.3	163
61	The Parkes multibeam pulsar survey - IV. Discovery of 180 pulsars and parameters for 281 previously known pulsars. Monthly Notices of the Royal Astronomical Society, 2004, 352, 1439-1472.	4.4	157
62	The Parkes Multibeam Pulsar Survey â€“ II. Discovery and timing of 120 pulsars. Monthly Notices of the Royal Astronomical Society, 2002, 335, 275-290.	4.4	154
63	The black hole accretion code. Computational Astrophysics and Cosmology, 2017, 4, .	22.7	154
64	A RADIO-LOUD MAGNETAR IN X-RAY QUIESCENCE. Astrophysical Journal Letters, 2010, 721, L33-L37.	8.3	153
65	Strong-field tests of gravity using pulsars and black holes. New Astronomy Reviews, 2004, 48, 993-1002.	12.8	152
66	Relativistic Spin Precession in the Double Pulsar. Science, 2008, 321, 104-107.	12.6	152
67	Formation of millisecond pulsars with CO white dwarf companions - II. Accretion, spin-up, true ages and comparison to MSPs with He white dwarf companions. Monthly Notices of the Royal Astronomical Society, 2012, 425, 1601-1627.	4.4	152
68	On the birthrates of Galactic neutron stars. Monthly Notices of the Royal Astronomical Society, 2008, 391, 2009-2016.	4.4	150
69	European Pulsar Timing Array limits on continuous gravitational waves from individual supermassive black hole binaries. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1665-1679.	4.4	149
70	Rotating Radio Transients: new discoveries, timing solutions and musings. Monthly Notices of the Royal Astronomical Society, 2011, 415, 3065-3080.	4.4	148
71	BlackHoleCam: Fundamental physics of the galactic center. International Journal of Modern Physics D, 2017, 26, 1730001.	2.1	148
72	Generic tests of the existence of the gravitational dipole radiation and the variation of the gravitational constant. Monthly Notices of the Royal Astronomical Society, 2009, 400, 805-814.	4.4	142

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73	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. Astrophysical Journal Letters, 2022, 930, L13.	8.3	142
74	The Parkes Multibeam Pulsar Survey - V. Finding binary and millisecond pulsars. Monthly Notices of the Royal Astronomical Society, 2004, 355, 147-158.	4.4	139
75	PRECISION ASTROMETRY WITH THE VERY LONG BASELINE ARRAY: PARALLAXES AND PROPER MOTIONS FOR 14 PULSARS. Astrophysical Journal, 2009, 698, 250-265.	4.5	137
76	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. Astrophysical Journal Letters, 2022, 930, L15.	8.3	137
77	THREE MILLISECOND PULSARS IN FERMI LAT UNASSOCIATED BRIGHT SOURCES. Astrophysical Journal Letters, 2011, 727, L16.	8.3	133
78	Getting Its Kicks: A VLBA Parallax for the Hyperfast Pulsar B1508+55. Astrophysical Journal, 2005, 630, L61-L64.	4.5	132
79	A bimodal burst energy distribution of a repeating fast radio burst source. Nature, 2021, 598, 267-271.	27.8	129
80	A QUANTITATIVE TEST OF THE NO-HAIR THEOREM WITH Sgr A* USING STARS, PULSARS, AND THE EVENT HORIZON TELESCOPE. Astrophysical Journal, 2016, 818, 121.	4.5	126
81	Constraints on black-hole charges with the 2017 EHT observations of M87*. Physical Review D, 2021, 103, .	4.7	126
82	Detection of Ionized Gas in the Globular Cluster 47 Tucanae. Astrophysical Journal, 2001, 557, L105-L108.	4.5	126
83	The Characteristics of Millisecond Pulsar Emission. III. From Low to High Frequencies. Astrophysical Journal, 1999, 526, 957-975.	4.5	124
84	The Double Pulsar. Annual Review of Astronomy and Astrophysics, 2008, 46, 541-572.	24.3	121
85	Gravitational wave astronomy of single sources with a pulsar timing array. Monthly Notices of the Royal Astronomical Society, 2011, 414, 3251-3264.	4.4	120
86	PSR J1756-2251: A New Relativistic Double Neutron Star System. Astrophysical Journal, 2005, 618, L119-L122.	4.5	114
87	An ultra-wide bandwidth (704 to 4Â032ÂMHz) receiver for the Parkes radio telescope. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	113
88	MEASURING THE MASS OF SOLAR SYSTEM PLANETS USING PULSAR TIMING. Astrophysical Journal Letters, 2010, 720, L201-L205.	8.3	112
89	The relativistic pulsar-white dwarf binary PSRâ€ƒJ1738+0333 - I. Mass determination and evolutionary history. Monthly Notices of the Royal Astronomical Society, 2012, 423, 3316-3327.	4.4	112
90	Repeating behaviour of FRB 121102: periodicity, waiting times, and energy distribution. Monthly Notices of the Royal Astronomical Society, 2020, 500, 448-463.	4.4	109

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91	The MeerKAT telescope as a pulsar facility: System verification and early science results from MeerTime. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	108
92	RADIO DETECTION OF LAT PSRs J1741-2054 AND J2032+4127: NO LONGER JUST GAMMA-RAY PULSARS. Astrophysical Journal, 2009, 705, 1-13.	4.5	107
93	Arecibo Pulsar Survey Using ALFA. II. The Young, Highly Relativistic Binary Pulsar J1906+0746. Astrophysical Journal, 2006, 640, 428-434.	4.5	103
94	Evolution of the Magnetic Field Structure of the Crab Pulsar. Science, 2013, 342, 598-601.	12.6	101
95	PSR J1847-0130: A Radio Pulsar with Magnetar Spin Characteristics. Astrophysical Journal, 2003, 591, L135-L138.	4.5	100
96	New pulsar rotation measures and the Galactic magnetic field. Monthly Notices of the Royal Astronomical Society, 2008, 386, 1881-1896.	4.4	99
97	Selection of radio pulsar candidates using artificial neural networks. Monthly Notices of the Royal Astronomical Society, 0, 407, 2443-2450.	4.4	98
98	Pulsars as tools for fundamental physics & astrophysics. New Astronomy Reviews, 2004, 48, 1413-1438.	12.8	97
99	Strong-Field Gravity Tests with the Double Pulsar. Physical Review X, 2021, 11, .	8.9	97
100	Further searches for Rotating Radio Transients in the Parkes Multi-beam Pulsar Survey. Monthly Notices of the Royal Astronomical Society, 2010, 401, 1057-1068.	4.4	96
101	A LOFAR census of non-recycled pulsars: average profiles, dispersion measures, flux densities, and spectra. Astronomy and Astrophysics, 2016, 591, A134.	5.1	96
102	Prospects for high-precision pulsar timing with the new Effelsberg PSRIX backend. Monthly Notices of the Royal Astronomical Society, 2016, 458, 868-880.	4.4	96
103	Long-term observations of the pulsars in 47 Tucanae â€“ II. Proper motions, accelerations and jerks. Monthly Notices of the Royal Astronomical Society, 2017, 471, 857-876.	4.4	93
104	Binary Millisecond Pulsar Discovery via Gamma-Ray Pulsations. Science, 2012, 338, 1314-1317.	12.6	92
105	Discovery of Three Wideâ€Orbit Binary Pulsars: Implications for Binary Evolution and Equivalence Principles. Astrophysical Journal, 2005, 632, 1060-1068.	4.5	91
106	The Northern High Time Resolution Universe pulsar survey â€“ I. Setup and initial discoveries. Monthly Notices of the Royal Astronomical Society, 2013, 435, 2234-2245.	4.4	91
107	A new limit on local Lorentz invariance violation of gravity from solitary pulsars. Classical and Quantum Gravity, 2013, 30, 165019.	4.0	91
108	PSR J1756â˜2251: a pulsar with a low-mass neutron star companion. Monthly Notices of the Royal Astronomical Society, 2014, 443, 2183-2196.	4.4	91

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109	HIGH-PRECISION TIMING OF FIVE MILLISECOND PULSARS: SPACE VELOCITIES, BINARY EVOLUTION, AND EQUIVALENCE PRINCIPLES. Astrophysical Journal, 2011, 743, 102.	4.5	90
110	The LOFAR pilot surveys for pulsars and fast radio transients. Astronomy and Astrophysics, 2014, 570, A60.	5.1	89
111	High Time Resolution Observations of the Vela Pulsar. Astrophysical Journal, 2001, 549, L101-L104.	4.5	86
112	Pulsar spinâ€“velocity alignment: kinematic ages, birth periods and braking indices. Monthly Notices of the Royal Astronomical Society, 2013, 430, 2281-2301.	4.4	86
113	DISCOVERY OF NINE GAMMA-RAY PULSARS INFERMILARGE AREA TELESCOPE DATA USING A NEW BLIND SEARCH METHOD. Astrophysical Journal, 2012, 744, 105.	4.5	85
114	Constraints on Supernova Kicks from the Double Neutron Star System PSR B1913+16. Astrophysical Journal, 2000, 528, 401-409.	4.5	84
115	High-resolution single-pulse studies of the Vela pulsar. Monthly Notices of the Royal Astronomical Society, 2002, 334, 523-532.	4.4	82
116	THE BINARY COMPANION OF YOUNG, RELATIVISTIC PULSAR J1906+0746. Astrophysical Journal, 2015, 798, 118.	4.5	82
117	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
118	Pulsar timing for theFermigamma-ray space telescope. Astronomy and Astrophysics, 2008, 492, 923-931.	5.1	81
119	Formation of millisecond pulsars with CO white dwarf companions - I. PSR J1614â˜2230: evidence for a neutron star born massive. Monthly Notices of the Royal Astronomical Society, 2011, 416, 2130-2142.	4.4	81
120	The Size, Shape, and Scattering of Sagittarius A* at 86 GHz: First VLBI with ALMA. Astrophysical Journal, 2019, 871, 30.	4.5	81
121	How to tell an accreting boson star from a black hole. Monthly Notices of the Royal Astronomical Society, 2020, 497, 521-535.	4.4	80
122	Rotation Measure Evolution of the Repeating Fast Radio Burst Source FRB 121102. Astrophysical Journal Letters, 2021, 908, L10.	8.3	80
123	Radio emission evolution, polarimetry and multifrequency single pulse analysis of the radio magnetar PSRâ€ƒJ1622â˜4950. Monthly Notices of the Royal Astronomical Society, 2012, 422, 2489-2500.	4.4	79
124	The High Time Resolution Universe Pulsar Survey â€“ XIII. PSR J1757â˜1854, the most accelerated binary pulsar. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 475, L57-L61.	3.3	79
125	The Characteristics of Millisecond Pulsar Emission. II. Polarimetry. Astrophysical Journal, 1998, 501, 286-306.	4.5	78
126	A LOFAR census of millisecond pulsars. Astronomy and Astrophysics, 2016, 585, A128.	5.1	78

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127	Polarized radio emission from a magnetar. Monthly Notices of the Royal Astronomical Society, 2007, 377, 107-119.	4.4	77
128	Multi-telescope timing of PSRÂJ1518+4904. Astronomy and Astrophysics, 2008, 490, 753-761.	5.1	77
129	Discovery of millisecond pulsars in radio searches of southern Fermi Large Area Telescope sources. Monthly Notices of the Royal Astronomical Society, 2011, 414, 1292-1300.	4.4	77
130	The High Time Resolution Universe Pulsar Survey - V. Single-pulse energetics and modulation properties of 315 pulsars. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1351-1367.	4.4	77
131	The Proper Motion, Age, and Initial Spin Period of PSR J0538+2817 in S147. Astrophysical Journal, 2003, 593, L31-L34.	4.5	76
132	Wide-band simultaneous observations of pulsars: disentangling dispersion measure and profile variations. Astronomy and Astrophysics, 2012, 543, A66.	5.1	76
133	LOFAR Discovery of a 23.5 s Radio Pulsar. Astrophysical Journal, 2018, 866, 54.	4.5	76
134	PULSE BROADENING MEASUREMENTS FROM THE GALACTIC CENTER PULSAR J1745-2900. Astrophysical Journal Letters, 2014, 780, L3.	8.3	75
135	Discovery of 28 pulsars using new techniques for sorting pulsar candidates. Monthly Notices of the Royal Astronomical Society, 2009, 395, 837-846.	4.4	74
136	A search for optical bursts from the repeating fast radio burst FRB 121102. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2800-2807.	4.4	74
137	Tests of gravitational symmetries with pulsar binary J1713+0747. Monthly Notices of the Royal Astronomical Society, 2019, 482, 3249-3260.	4.4	73
138	THE ANGULAR BROADENING OF THE GALACTIC CENTER PULSAR SGR J1745-29: A NEW CONSTRAINT ON THE SCATTERING MEDIUM. Astrophysical Journal Letters, 2014, 780, L2.	8.3	72
139	CONSTRAINTS ON THE EMISSION GEOMETRIES AND SPIN EVOLUTION OF GAMMA-RAY MILLISECOND PULSARS. Astrophysical Journal, Supplement Series, 2014, 213, 6.	7.7	72
140	LEAP: the Large European Array for Pulsars. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2196-2209.	4.4	72
141	Constraining Nonperturbative Strong-Field Effects in Scalar-Tensor Gravity by Combining Pulsar Timing and Laser-Interferometer Gravitational-Wave Detectors. Physical Review X, 2017, 7, .	8.9	72
142	A survey of FRB fields: limits on repeatability. Monthly Notices of the Royal Astronomical Society, 2015, 454, 457-462.	4.4	71
143	Anomalous Scattering of Highly Dispersed Pulsars. Astrophysical Journal, 2002, 562, L157-L161.	4.5	71
144	The High Time Resolution Universe Pulsar Survey â€" VI. An artificial neural network and timing of 75 pulsars. Monthly Notices of the Royal Astronomical Society, 2012, 427, 1052-1065.	4.4	69

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145	The LOFAR Tied-Array All-Sky Survey (LOTAAS): Survey overview and initial pulsar discoveries. Astronomy and Astrophysics, 2019, 626, A104.	5.1	69
146	Low-frequency Faraday rotation measures towards pulsars using LOFAR: probing the 3D Galactic halo magnetic field. Monthly Notices of the Royal Astronomical Society, 2019, 484, 3646-3664.	4.4	69
147	The effect of HII regions on rotation measure of pulsars. Astronomy and Astrophysics, 2003, 398, 993-1005.	5.1	68
148	Application of the Gaussian mixture model in pulsar astronomy - pulsar classification and candidates ranking for the Fermi 2FGL catalogue. Monthly Notices of the Royal Astronomical Society, 2012, 424, 2832-2840.	4.4	67
149	The Scattering and Intrinsic Structure of Sagittarius A* at Radio Wavelengths. Astrophysical Journal, 2018, 865, 104.	4.5	67
150	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. Astrophysical Journal Letters, 2021, 910, L14.	8.3	67
151	THE EVOLUTION OF PSR J0737â€“3039B AND A MODEL FOR RELATIVISTIC SPIN PRECESSION. Astrophysical Journal, 2010, 721, 1193-1205.	4.5	66
152	DISCOVERY OF TWO MILLISECOND PULSARS INFERMISOURCES WITH THE NANÃ‡AY RADIO TELESCOPE. Astrophysical Journal, 2011, 732, 47.	4.5	66
153	AN ASTEROID BELT INTERPRETATION FOR THE TIMING VARIATIONS OF THE MILLISECOND PULSAR B1937+21. Astrophysical Journal, 2013, 766, 5.	4.5	66
154	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
155	Fermi Detection of a Luminous Î³-Ray Pulsar in a Globular Cluster. Science, 2011, 334, 1107-1110.	12.6	65
156	PULSED GAMMA RAYS FROM THE ORIGINAL MILLISECOND AND BLACK WIDOW PULSARS: A CASE FOR CAUSTIC RADIO EMISSION?. Astrophysical Journal, 2012, 744, 33.	4.5	65
157	THE DOUBLE PULSAR: EVIDENCE FOR NEUTRON STAR FORMATION WITHOUT AN IRON CORE-COLLAPSE SUPERNOVA. Astrophysical Journal, 2013, 767, 85.	4.5	65
158	Evidence for an intermediate-mass black hole in the globular cluster NGC 6624. Monthly Notices of the Royal Astronomical Society, 2017, 468, 2114-2127.	4.4	65
159	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. Nature Astronomy, 2021, 5, 1017-1028.	10.1	65
160	Pulsar science with the Five hundred metre Aperture Spherical Telescope. Astronomy and Astrophysics, 2009, 505, 919-926.	5.1	64
161	Discovery of a radio-emitting neutron star with an ultra-long spin period of 76â€‰s. Nature Astronomy, 2022, 6, 828-836.	10.1	63
162	The Double Pulsar System J0737-3039: Modulation of A by B at Eclipse. Astrophysical Journal, 2004, 616, L131-L134.	4.5	60

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163	Discovery of two pulsars towards the Galactic Centre. Monthly Notices of the Royal Astronomical Society: Letters, 2006, 373, L6-L10.	3.3	60
164	Scattering analysis of LOFAR pulsar observations. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2659-2679.	4.4	60
165	Simultaneous single-pulse observations of radio pulsars. Astronomy and Astrophysics, 2003, 407, 655-668.	5.1	59
166	A PRECISE MASS MEASUREMENT OF THE INTERMEDIATE-MASS BINARY PULSAR PSR J1802 â€“ 2124. Astrophysical Journal, 2010, 711, 764-771.	4.5	59
167	Prospects for high-precision pulsar timing. Monthly Notices of the Royal Astronomical Society, 2011, 417, 2916-2926.	4.4	58
168	The High Time Resolution Universe Pulsar Survey â€“ XII. Galactic plane acceleration search and the discovery of 60 pulsars. Monthly Notices of the Royal Astronomical Society, 2015, 450, 2922-2947.	4.4	58
169	Pulsars as probes of gravity and fundamental physics. International Journal of Modern Physics D, 2016, 25, 1630029.	2.1	58
170	The binary pulsar PSRâ€‰J1811-1736: evidence of a low amplitude supernova kick. Astronomy and Astrophysics, 2007, 462, 703-709.	5.1	58
171	The Origin and Motion of PSR J0538+2817 in S147. Astrophysical Journal, 2007, 654, 487-493.	4.5	57
172	Pulsar Discovery by Global Volunteer Computing. Science, 2010, 329, 1305-1305.	12.6	57
173	Tests of the universality of free fall for strongly self-gravitating bodies with radio pulsars. Classical and Quantum Gravity, 2012, 29, 184007.	4.0	57
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