## Stefan Oslowski

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7318882/publications.pdf

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103 papers 8,272 citations

41344 49 h-index 90 g-index

105 all docs

105
docs citations

105 times ranked 4413 citing authors

#	Article	IF	CITATIONS
1	The International Pulsar Timing Array project: using pulsars as a gravitational wave detector. Classical and Quantum Gravity, 2010, 27, 084013.	4.0	494
2	Gravitational waves from binary supermassive black holes missing in pulsar observations. Science, 2015, 349, 1522-1525.	12.6	386
3	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
4	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
5	The Parkes Pulsar Timing Array Project. Publications of the Astronomical Society of Australia, 2013, 30,	3.4	350
6	A census of baryons in the Universe from localized fast radio bursts. Nature, 2020, 581, 391-395.	27.8	341
7	The International Pulsar Timing Array: First data release. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1267-1288.	4.4	332
8	A single fast radio burst localized to a massive galaxy at cosmological distance. Science, 2019, 365, 565-570.	12.6	295
9	Timing analysis for 20 millisecond pulsars in the Parkes Pulsar Timing Array. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1751-1769.	4.4	233
10	The dispersion–brightness relation for fast radio bursts from a wide-field survey. Nature, 2018, 562, 386-390.	27.8	223
11	The International Pulsar Timing Array: second data release. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4666-4687.	4.4	191
12	Measurement and correction of variations in interstellar dispersion in high-precision pulsar timing. Monthly Notices of the Royal Astronomical Society, 2013, 429, 2161-2174.	4.4	174
13	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
14	Development of a pulsar-based time-scale. Monthly Notices of the Royal Astronomical Society, 2012, 427, 2780-2787.	4.4	163
15	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
16	Follow Up of GW170817 and Its Electromagnetic Counterpart by Australian-Led Observing Programmes. Publications of the Astronomical Society of Australia, 2017, 34, .	3.4	142
17	Gravitational-Wave Limits from Pulsar Timing Constrain Supermassive Black Hole Evolution. Science, 2013, 342, 334-337.	12.6	133
18	The Detection of an Extremely Bright Fast Radio Burst in a Phased Array Feed Survey. Astrophysical Journal Letters, 2017, 841, L12.	8.3	133

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19	Gravitational-Wave Cosmology across 29 Decades in Frequency. Physical Review X, 2016, 6, .	8.9	113
20	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
21	A study of multifrequency polarization pulse profiles of millisecond pulsars. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3223-3262.	4.4	109
22	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
23	FRB microstructure revealed by the real-time detection of FRB170827. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1209-1217.	4.4	107
24	The Parkes Pulsar Timing Array project: second data release. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	107
25	An all-sky search for continuous gravitational waves in the Parkes Pulsar Timing Array data set. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3709-3720.	4.4	98
26	A LOFAR census of non-recycled pulsars: average profiles, dispersion measures, flux densities, and spectra. Astronomy and Astrophysics, 2016, 591, A134.	5.1	96
27	Limitations in timing precision due to single-pulse shape variability in millisecond pulsars. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1463-1481.	4.4	94
28	Faint Repetitions from a Bright Fast Radio Burst Source. Astrophysical Journal Letters, 2019, 887, L30.	8.3	94
29	The LOFAR pilot surveys for pulsars and fast radio transients. Astronomy and Astrophysics, 2014, 570, A60.	5.1	89
30	Limits on fast radio bursts at 145ÂMHz with artemis, a real-time software backend. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1254-1262.	4.4	82
31	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
32	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
33	A LOFAR census of millisecond pulsars. Astronomy and Astrophysics, 2016, 585, A128.	5.1	78
34	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
35	PULSAR OBSERVATIONS OF EXTREME SCATTERING EVENTS. Astrophysical Journal, 2015, 808, 113.	4.5	75
36	Tests of gravitational symmetries with pulsar binary J1713+0747. Monthly Notices of the Royal Astronomical Society, 2019, 482, 3249-3260.	4.4	73

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37	Parkes Pulsar Timing Array constraints on ultralight scalar-field dark matter. Physical Review D, 2018, 98, .	4.7	72
38	Polarization observations of 20 millisecond pulsars. Monthly Notices of the Royal Astronomical Society, 2011, 414, 2087-2100.	4.4	69
39	Pulsar polarisation below 200 MHz: Average profiles and propagation effects. Astronomy and Astrophysics, 2015, 576, A62.	5.1	68
40	Timing of young radio pulsars – I. Timing noise, periodic modulation, and proper motion. Monthly Notices of the Royal Astronomical Society, 2019, 489, 3810-3826.	4.4	63
41	A glitch in the millisecond pulsar J0613â^'0200. Monthly Notices of the Royal Astronomical Society, 2016, 461, 2809-2817.	4.4	60
42	The UTMOST: A Hybrid Digital Signal Processor Transforms the Molonglo Observatory Synthesis Telescope. Publications of the Astronomical Society of Australia, 2017, 34, .	3.4	59
43	Wide-band, low-frequency pulse profiles of 100 radio pulsars with LOFAR. Astronomy and Astrophysics, 2016, 586, A92.	5.1	57
44	Population synthesis of double neutron stars. Monthly Notices of the Royal Astronomical Society, 2011, 413, 461-479.	4.4	56
45	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
46	Inferring the population properties of binary neutron stars with gravitational-wave measurements of spin. Physical Review D, $2018, 98, .$	4.7	52
47	The UTMOST pulsar timing programme I: Overview and first results. Monthly Notices of the Royal Astronomical Society, 2019, 484, 3691-3712.	4.4	52
48	Lense–Thirring frame dragging induced by a fast-rotating white dwarf in a binary pulsar system. Science, 2020, 367, 577-580.	12.6	51
49	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
50	Extremely band-limited repetition from a fast radio burst source. Monthly Notices of the Royal Astronomical Society, 2020, 500, 2525-2531.	4.4	51
51	Five new real-time detections of fast radio bursts with UTMOST. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2989-3002.	4.4	49
52	The noise properties of 42 millisecond pulsars from the European Pulsar Timing Array and their impact on gravitational-wave searches. Monthly Notices of the Royal Astronomical Society, 2016, 457, 4421-4440.	4.4	48
53	Limits on Anisotropy in the Nanohertz Stochastic Gravitational Wave Background. Physical Review Letters, 2015, 115, 041101.	7.8	47
54	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

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55	The UTMOST pulsar timing programme – II. Timing noise across the pulsar population. Monthly Notices of the Royal Astronomical Society, 2020, 494, 228-245.	4.4	46
56	A millisecond pulsar in an extremely wide binary system. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2207-2222.	4.4	41
57	A DEEP CAMPAIGN TO CHARACTERIZE THE SYNCHRONOUS RADIO/X-RAY MODE SWITCHING OF PSR B0943+10. Astrophysical Journal, 2016, 831, 21.	4.5	40
58	Precision Orbital Dynamics from Interstellar Scintillation Arcs for PSR J0437–4715. Astrophysical Journal, 2020, 904, 104.	4.5	39
59	21Âyear timing of the black-widow pulsar J2051â^'0827. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1029-1038.	4.4	36
60	Studying the Solar system with the International Pulsar Timing Array. Monthly Notices of the Royal Astronomical Society, 2018, 481, 5501-5516.	4.4	36
61	First detection of frequency-dependent, time-variable dispersion measures. Astronomy and Astrophysics, 2019, 624, A22.	5.1	34
62	THE DISTURBANCE OF A MILLISECOND PULSAR MAGNETOSPHERE. Astrophysical Journal Letters, 2016, 828, L1.	8.3	33
63	Which bright fast radio bursts repeat?. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2416-2427.	4.4	33
64	Timing of young radio pulsars – II. Braking indices and their interpretation. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2012-2026.	4.4	33
65	Commensal discovery of four fast radio bursts during Parkes Pulsar Timing Array observations. Monthly Notices of the Royal Astronomical Society, 2019, 488, 868-875.	4.4	31
66	Timing, polarimetry and physics of the bright, nearby millisecond pulsar PSR J0437â^'4715 â€" a single-pulse perspective. Monthly Notices of the Royal Astronomical Society, 2014, 441, 3148-3160.	4.4	29
67	The relativistic binary programme on MeerKAT: science objectives and first results. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2094-2114.	4.4	27
68	Status update of the Parkes pulsar timing array. Classical and Quantum Gravity, 2010, 27, 084015.	4.0	26
69	Long-term variability of a black widow's eclipses – A decade of PSR J2051\$-\$0827. Monthly Notices of the Royal Astronomical Society, 2019, 490, 889-908.	4.4	25
70	On the usefulness of existing solar wind models for pulsar timing corrections. Monthly Notices of the Royal Astronomical Society, 2019, 487, 394-408.	4.4	25
71	Measurements of pulse jitter and single-pulse variability in millisecond pulsars using MeerKAT. Monthly Notices of the Royal Astronomical Society, 2021, 502, 407-422.	4.4	25
72	Robust estimation of scattering in pulsar timing analysis. Monthly Notices of the Royal Astronomical Society, 2017, 468, 1474-1485.	4.4	23

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73	Dispersion measure variability for 36 millisecond pulsars at 150 MHz with LOFAR. Astronomy and Astrophysics, 2020, 644, A153.	5.1	23
74	Improving the precision of pulsar timing through polarization statistics. Monthly Notices of the Royal Astronomical Society, 2013, 430, 416-424.	4.4	22
75	Improving timing sensitivity in the microhertz frequency regime: limits from PSR J1713+0747 on gravitational waves produced by supermassive black hole binaries. Monthly Notices of the Royal Astronomical Society, 2018, 478, 218-227.	4.4	22
76	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
77	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
78	The 2018 X-Ray and Radio Outburst of Magnetar XTE J1810–197. Astrophysical Journal Letters, 2019, 874, L25.	8.3	20
79	The impact of solar wind variability on pulsar timing. Astronomy and Astrophysics, 2021, 647, A84.	5.1	20
80	Low-frequency pulse profile variation in PSR B2217+47: evidence for echoes from the interstellar medium. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2704-2716.	4.4	19
81	A fast radio burst in the direction of the Virgo Cluster. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1-8.	4.4	19
82	Testing the accuracy of the ionospheric Faraday rotation corrections through LOFAR observations of bright northern pulsars. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4100-4113.	4.4	19
83	Wide-band profile domain pulsar timing analysis. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3706-3727.	4.4	18
84	Versatile directional searches for gravitational waves with Pulsar Timing Arrays. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3662-3673.	4.4	17
85	Rotation measure variations for 20 millisecond pulsars. Astrophysics and Space Science, 2011, 335, 485-498.	1.4	16
86	Ultrarelativistic astrophysics using multimessenger observations of double neutron stars with LISA and the SKA. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5408-5412.	4.4	12
87	Markov Chain Monte Carlo population synthesis of single radio pulsars in the Galaxy. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4043-4057.	4.4	12
88	Hunting for Radio Emission from the Intermittent Pulsar J1107-5907 at Low Frequencies. Astrophysical Journal, 2018, 869, 134.	4.5	11
89	Relativistic Spin Precession in the Binary PSR J1141â^6545. Astrophysical Journal Letters, 2019, 873, L15.	8.3	11
90	Detection of a Glitch in the Pulsar J1709â^'4429. Research Notes of the AAS, 2018, 2, 139.	0.7	9

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91	Measurement of the Rate Distribution of the Population of Repeating Fast Radio Bursts: Implications for Progenitor Models. Astrophysical Journal Letters, 2020, 895, L22.	8.3	8
92	Gravitational lensing as a probe of compact object populations in the Galaxy. Astronomy and Astrophysics, 2008, 478, 429-434.	5.1	7
93	Pulsar Timing Array Experiments. , 2021, , 1-42.		7
94	Limits on the mass, velocity and orbit of PSR J1933â^6211. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4579-4586.	4.4	6
95	The UTMOST survey for magnetars, intermittent pulsars, RRATs, and FRBs – I. System description and overview. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4752-4767.	4.4	6
96	A model for distortions of polarisation-angle curves in radio pulsars. Astronomy and Astrophysics, 2016, 593, A83.	5.1	6
97	Systematic upper limits on the size of missing pulsar glitches in the first UTMOST open data release. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1469-1482.	4.4	6
98	Mode switching characteristics of PSR B0329+54 at 150 MHz. Astrophysics and Space Science, 2018, 363, 1.	1.4	4
99	Multifrequency behaviour of the anomalous events of PSR J0922+0638. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 477, L25-L29.	3.3	2
100	Multiwavelength Follow-up of FRB180309. Astrophysical Journal, 2021, 913, 78.	4.5	2
101	Tracking dispersion measure variations of timing array pulsars with the GMRT. Proceedings of the International Astronomical Union, 2012, 8, 432-434.	0.0	1
102	Pulsar Timing Array Experiments. , 2022, , 157-198.		1
103	Properties of double neutron stars. EAS Publications Series, 2008, 30, 137-140.	0.3	O