

Cherry Ng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4127309/publications.pdf>

Version: 2024-02-01

96
papers

8,587
citations

76326

40
h-index

42399

92
g-index

98
all docs

98
docs citations

98
times ranked

4755
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.	4.4	174
2	Localizing FRBs through VLBI with the Algonquin Radio Observatory 10 m Telescope. <i>Astronomical Journal</i> , 2022, 163, 65.	4.7	12
3	Burst timescales and luminosities as links between young pulsars and fast radio bursts. <i>Nature Astronomy</i> , 2022, 6, 393-401.	10.1	46
4	A repeating fast radio burst source in a globular cluster. <i>Nature</i> , 2022, 602, 585-589.	27.8	110
5	The NANOGrav 12.5 yr Data Set: Polarimetry and Faraday Rotation Measures from Observations of Millisecond Pulsars with the Green Bank Telescope. <i>Astrophysical Journal</i> , 2022, 926, 168.	4.5	9
6	A Sudden Period of High Activity from Repeating Fast Radio Burst 20201124A. <i>Astrophysical Journal</i> , 2022, 927, 59.	4.5	31
7	The High Time Resolution Universe Pulsar Survey â€“ XVII. PSR J1325âˆ”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.	4.4	14
8	Modeling Fast Radio Burst Dispersion and Scattering Properties in the First CHIME/FRB Catalog. <i>Astrophysical Journal</i> , 2022, 927, 35.	4.5	29
9	Bayesian Solar Wind Modeling with Pulsar Timing Arrays. <i>Astrophysical Journal</i> , 2022, 929, 39.	4.5	8
10	Setigen: Simulating Radio Technosignatures for the Search for Extraterrestrial Intelligence. <i>Astronomical Journal</i> , 2022, 163, 222.	4.7	5
11	Searching for Broadband Pulsed Beacons from 1883 Stars Using Neural Networks. <i>Astrophysical Journal</i> , 2022, 932, 81.	4.5	8
12	Multiband Detection of Repeating FRB 20180916B. <i>Astrophysical Journal</i> , 2022, 932, 98.	4.5	12
13	Sub-second periodicity in a fast radio burst. <i>Nature</i> , 2022, 607, 256-259.	27.8	37
14	4â€“8 GHz Fourier-domain Searches for Galactic Center Pulsars. <i>Astrophysical Journal</i> , 2022, 933, 121.	4.5	9
15	A Nearby Repeating Fast Radio Burst in the Direction of M81. <i>Astrophysical Journal Letters</i> , 2021, 910, L18.	8.3	124
16	Astrophysics Milestones for Pulsar Timing Array Gravitational-wave Detection. <i>Astrophysical Journal Letters</i> , 2021, 911, L34.	8.3	66
17	LOFAR Detection of 110â€“188 MHz Emission and Frequency-dependent Activity from FRB 20180916B. <i>Astrophysical Journal Letters</i> , 2021, 911, L3.	8.3	99
18	The CHIME Pulsar Project: System Overview. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 5.	7.7	40

#	ARTICLE	IF	CITATIONS
19	The Breakthrough Listen Search For Intelligent Life Near the Galactic Center. I. <i>Astronomical Journal</i> , 2021, 162, 33.	4.7	34
20	The Breakthrough Listen Search for Intelligent Life: MeerKAT Target Selection. <i>Publications of the Astronomical Society of the Pacific</i> , 2021, 133, 064502.	3.1	9
21	The NANOGrav 11 yr Data Set: Limits on Supermassive Black Hole Binaries in Galaxies within 500 Mpc. <i>Astrophysical Journal</i> , 2021, 914, 121.	4.5	21
22	Refined Mass and Geometric Measurements of the High-mass PSR J0740+6620. <i>Astrophysical Journal Letters</i> , 2021, 915, L12.	8.3	416
23	The NANOGrav 12.5 Year Data Set: Monitoring Interstellar Scattering Delays. <i>Astrophysical Journal</i> , 2021, 917, 10.	4.5	7
24	The NANOGrav 12.5 yr Data Set: Observations and Narrowband Timing of 47 Millisecond Pulsars. <i>Astrophysical Journal, Supplement Series</i> , 2021, 252, 4.	7.7	98
25	The NANOGrav 12.5 yr Data Set: Wideband Timing of 47 Millisecond Pulsars. <i>Astrophysical Journal, Supplement Series</i> , 2021, 252, 5.	7.7	64
26	A radio technosignature search towards Proxima Centauri resulting in a signal of interest. <i>Nature Astronomy</i> , 2021, 5, 1148-1152.	10.1	17
27	Analysis of the Breakthrough Listen signal of interest blc1 with a technosignature verification framework. <i>Nature Astronomy</i> , 2021, 5, 1153-1162.	10.1	24
28	Polarization Pipeline for Fast Radio Bursts Detected by CHIME/FRB. <i>Astrophysical Journal</i> , 2021, 920, 138.	4.5	15
29	CHIME/FRB Catalog 1 Results: Statistical Cross-correlations with Large-scale Structure. <i>Astrophysical Journal</i> , 2021, 922, 42.	4.5	40
30	First Discovery of New Pulsars and RRATs with CHIME/FRB. <i>Astrophysical Journal</i> , 2021, 922, 43.	4.5	14
31	Re-analysis of Breakthrough Listen Observations of FRB 121102: Polarization Properties of Eight New Spectrally Narrow Bursts. <i>Research Notes of the AAS</i> , 2021, 5, 17.	0.7	4
32	Searching for Gravitational Waves from Cosmological Phase Transitions with the NANOGrav 12.5-Year Dataset. <i>Physical Review Letters</i> , 2021, 127, 251302.	7.8	62
33	Fast Radio Burst Morphology in the First CHIME/FRB Catalog. <i>Astrophysical Journal</i> , 2021, 923, 1.	4.5	109
34	No Evidence for Galactic Latitude Dependence of the Fast Radio Burst Sky Distribution. <i>Astrophysical Journal</i> , 2021, 923, 2.	4.5	20
35	The First CHIME/FRB Fast Radio Burst Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 59.	7.7	199
36	The NANOGrav 12.5-year Data Set: Search for Non-Einsteinian Polarization Modes in the Gravitational-wave Background. <i>Astrophysical Journal Letters</i> , 2021, 923, L22.	8.3	30

#	ARTICLE	IF	CITATIONS
37	Relativistic Shapiro delay measurements of an extremely massive millisecond pulsar. <i>Nature Astronomy</i> , 2020, 4, 72-76.	10.1	1,065
38	A repeating fast radio burst source localized to a nearby spiral galaxy. <i>Nature</i> , 2020, 577, 190-194.	27.8	297
39	Measurement of the Rate Distribution of the Population of Repeating Fast Radio Bursts: Implications for Progenitor Models. <i>Astrophysical Journal Letters</i> , 2020, 895, L22.	8.3	8
40	Which bright fast radio bursts repeat?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 2416-2427.	4.4	33
41	Periodic activity from a fast radio burst source. <i>Nature</i> , 2020, 582, 351-355.	27.8	231
42	Nine New Repeating Fast Radio Burst Sources from CHIME/FRB. <i>Astrophysical Journal Letters</i> , 2020, 891, L6.	8.3	178
43	Faraday rotation measures of Northern hemisphere pulsars using CHIME/Pulsar. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 2836-2848.	4.4	17
44	The NANOGrav 11 yr Data Set: Evolution of Gravitational-wave Background Statistics. <i>Astrophysical Journal</i> , 2020, 890, 108.	4.5	28
45	The NANOGrav 11 yr Data Set: Limits on Gravitational Wave Memory. <i>Astrophysical Journal</i> , 2020, 889, 38.	4.5	36
46	Modeling the Uncertainties of Solar System Ephemerides for Robust Gravitational-wave Searches with Pulsar-timing Arrays. <i>Astrophysical Journal</i> , 2020, 893, 112.	4.5	49
47	The High Time Resolution Universe Pulsar Survey â€œ 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.	4.4	20
48	A Shapiro delay detection in the pulsar binary system PSR J1811â€“2405. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1261-1267.	4.4	15
49	The NANOGrav 11 yr Data Set: Constraints on Planetary Masses Around 45 Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2020, 893, L8.	8.3	6
50	Multimessenger Gravitational-wave Searches with Pulsar Timing Arrays: Application to 3C 66B Using the NANOGrav 11-year Data Set. <i>Astrophysical Journal</i> , 2020, 900, 102.	4.5	30
51	The Discovery of Nulling and Mode-switching Pulsars with CHIME/Pulsar. <i>Astrophysical Journal</i> , 2020, 903, 81.	4.5	8
52	Detection of Repeating FRB 180916.J0158+65 Down to Frequencies of 300 MHz. <i>Astrophysical Journal Letters</i> , 2020, 896, L41.	8.3	70
53	The NANOGrav 12.5-yr Data Set: Search for an Isotropic Stochastic Gravitational-wave Background. <i>Astrophysical Journal Letters</i> , 2020, 905, L34.	8.3	528
54	The NANOGrav 11 yr Data Set: Limits on Gravitational Waves from Individual Supermassive Black Hole Binaries. <i>Astrophysical Journal</i> , 2019, 880, 116.	4.5	102

#	ARTICLE	IF	CITATIONS
55	Algorithms for FFT Beamforming Radio Interferometers. <i>Astrophysical Journal</i> , 2019, 879, 16.	4.5	14
56	CHIME/FRB Discovery of Eight New Repeating Fast Radio Burst Sources. <i>Astrophysical Journal Letters</i> , 2019, 885, L24.	8.3	302
57	CHIME/FRB Detection of the Original Repeating Fast Radio Burst Source FRB 121102. <i>Astrophysical Journal Letters</i> , 2019, 882, L18.	8.3	98
58	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.	4.4	7
59	The NANOGrav 12.5 yr Data Set: The Frequency Dependence of Pulse Jitter in Precision Millisecond Pulsars. <i>Astrophysical Journal</i> , 2019, 872, 193.	4.5	28
60	The NANOGrav 11 yr Data Set: Solar Wind Sounding through Pulsar Timing. <i>Astrophysical Journal</i> , 2019, 872, 150.	4.5	22
61	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.	4.4	38
62	PSR J2234+0611: A New Laboratory for Stellar Evolution. <i>Astrophysical Journal</i> , 2019, 870, 74.	4.5	32
63	High-precision X-Ray Timing of Three Millisecond Pulsars with NICER: Stability Estimates and Comparison with Radio. <i>Astrophysical Journal</i> , 2019, 874, 160.	4.5	20
64	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.	4.4	10
65	Faint Repetitions from a Bright Fast Radio Burst Source. <i>Astrophysical Journal Letters</i> , 2019, 887, L30.	8.3	94
66	The High Time Resolution Universe Pulsar Survey â€“ XIII. PSR J1757âˆ’1854, the most accelerated binary pulsar. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 475, L57-L61.	3.3	79
67	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.	4.4	82
68	The NANOGrav 11-year Data Set: High-precision Timing of 45 Millisecond Pulsars. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 37.	7.7	448
69	A Second Chromatic Timing Event of Interstellar Origin toward PSR J1713+0747. <i>Astrophysical Journal</i> , 2018, 861, 132.	4.5	51
70	The NANOGrav 11 yr Data Set: Arecibo Observatory Polarimetry and Pulse Microcomponents. <i>Astrophysical Journal</i> , 2018, 862, 47.	4.5	18
71	The NANOGrav 11-year Data Set: Pulse Profile Variability. <i>Astrophysical Journal</i> , 2018, 868, 122.	4.5	15
72	PSR J1755âˆ’2550: a young radio pulsar with a massive, compact companion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 4315-4326.	4.4	21

#	ARTICLE	IF	CITATIONS
73	The NANOGrav 11 Year Data Set: Pulsar-timing Constraints on the Stochastic Gravitational-wave Background. <i>Astrophysical Journal</i> , 2018, 859, 47.	4.5	331
74	PSR J2322+2650 a low-luminosity millisecond pulsar with a planetary-mass companion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 469-477.	4.4	25
75	The CHIME Fast Radio Burst Project: System Overview. <i>Astrophysical Journal</i> , 2018, 863, 48.	4.5	215
76	CHIME FRB: An application of FFT beamforming for a radio telescope. , 2017, , .		12
77	The Discovery of the Most Accelerated Binary Pulsar. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 134-137.	0.0	0
78	Pulsar science with the CHIME telescope. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 179-182.	0.0	20
79	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.	3.3	222
80	PSR J1024+0719: A MILLISECOND PULSAR IN AN UNUSUAL LONG-PERIOD ORBIT. <i>Astrophysical Journal</i> , 2016, 826, 86.	4.5	45
81	A survey of FRB fields: limits on repeatability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 457-462.	4.4	71
82	The High Time Resolution Universe Pulsar Survey XII. Galactic plane acceleration search and the discovery of 60 pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 2922-2947.	4.4	58
83	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.	4.4	236
84	The High Time Resolution Universe survey 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.	4.4	25
85	The High Time Resolution Universe pulsar survey - X. Discovery of four millisecond pulsars and updated timing solutions of a further 12. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 1865-1883.	4.4	50
86	AN ABSENCE OF FAST RADIO BURSTS AT INTERMEDIATE GALACTIC LATITUDES. <i>Astrophysical Journal Letters</i> , 2014, 789, L26.	8.3	56
87	A Population of Fast Radio Bursts at Cosmological Distances. <i>Science</i> , 2013, 341, 53-56.	12.6	803
88	EINSTEIN@HOME DISCOVERY OF FOUR YOUNG GAMMA-RAY PULSARS IN FERMI LAT DATA. <i>Astrophysical Journal Letters</i> , 2013, 779, L11.	8.3	34
89	The High Time Resolution Universe survey IX. Polarimetry of long-period pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 3557-3572.	4.4	16
90	The High Time Resolution Universe Pulsar Survey VIII. The Galactic millisecond pulsar population. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 1387-1397.	4.4	64

#	ARTICLE	IF	CITATIONS
91	The High Time Resolution Universe Pulsar Survey â€“ 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.	4.4	24
92	Conducting the deepest all-sky pulsar survey ever: the all-sky High Time Resolution Universe survey. Proceedings of the International Astronomical Union, 2012, 8, 53-56.	0.0	1
93	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
94	Enabling PTAs for gravitational wave detection: The all-sky HTRU pulsar survey. , 2011, , .		0
95	A systematic analysis of the broad iron K α line in neutron-star LMXBs with XMM-Newton. Astronomy and Astrophysics, 2010, 522, A96.	5.1	74
96	A fast radio burst with a low dispersion measure. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	18