Yan Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1911973/publications.pdf

Version: 2024-02-01

36 papers	2,996 citations	331670 21 h-index	330143 37 g-index
37 all docs	37 docs citations	37 times ranked	2342 citing authors

#	Article	IF	Citations
1	TianQin: a space-borne gravitational wave detector. Classical and Quantum Gravity, 2016, 33, 035010.	4.0	995
2	The International Pulsar Timing Array: First data release. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1267-1288.	4.4	332
3	THE NANOGRAV NINE-YEAR DATA SET: LIMITS ON THE ISOTROPIC STOCHASTIC GRAVITATIONAL WAVE BACKGROUND. Astrophysical Journal, 2016, 821, 13.	4.5	227
4	THE NANOGRAV NINE-YEAR DATA SET: OBSERVATIONS, ARRIVAL TIME MEASUREMENTS, AND ANALYSIS OF 37 MILLISECOND PULSARS. Astrophysical Journal, 2015, 813, 65.	4.5	185
5	Fundamental physics with the Square Kilometre Array. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	179
6	The TianQin project: Current progress on science and technology. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	129
7	GRAVITATIONAL WAVES FROM INDIVIDUAL SUPERMASSIVE BLACK HOLE BINARIES IN CIRCULAR ORBITS: LIMITS FROM THE NORTH AMERICAN NANOHERTZ OBSERVATORY FOR GRAVITATIONAL WAVES. Astrophysical Journal, 2014, 794, 141.	4.5	104
8	Descope of the ALIA mission. Journal of Physics: Conference Series, 2015, 610, 012011.	0.4	91
9	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
10	Fundamentals of the orbit and response for TianQin. Classical and Quantum Gravity, 2018, 35, 095008.	4.0	76
11	Science with the TianQin observatory: Preliminary results on massive black hole binaries. Physical Review D, 2019, 100, .	4.7	64
12	NANOGrav CONSTRAINTS ON GRAVITATIONAL WAVE BURSTS WITH MEMORY. Astrophysical Journal, 2015, 810, 150.	4.5	54
13	The Gravitational-wave physics II: Progress. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	54
14	Pulsar Timing Array Based Search for Supermassive Black Hole Binaries in the Square Kilometer Array Era. Physical Review Letters, 2017, 118, 151104.	7.8	52
15	Optimizing orbits for TianQin. International Journal of Modern Physics D, 2019, 28, 1950121.	2.1	52
16	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
17	Preliminary study on parameter estimation accuracy of supermassive black hole binary inspirals for TianQin. Physical Review D, 2019, 99, .	4.7	46
18	Detection and localization of single-source gravitational waves with pulsar timing arrays. Monthly Notices of the Royal Astronomical Society, 2015, 449, 1650-1663.	4.4	37

#	Article	IF	Citations
19	A COHERENT METHOD FOR THE DETECTION AND PARAMETER ESTIMATION OF CONTINUOUS GRAVITATIONAL WAVE SIGNALS USING A PULSAR TIMING ARRAY. Astrophysical Journal, 2014, 795, 96.	4.5	28
20	Detection and localization of continuous gravitational waves with pulsar timing arrays: the role of pulsar terms. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1317-1327.	4.4	26
21	Particle swarm optimization and gravitational wave data analysis: Performance on a binary inspiral testbed. Physical Review D, 2010, 81, .	4.7	21
22	COHERENT NETWORK ANALYSIS FOR CONTINUOUS GRAVITATIONAL WAVE SIGNALS IN A PULSAR TIMING ARRAY: PULSAR PHASES AS EXTRINSIC PARAMETERS. Astrophysical Journal, 2015, 815, 125.	4.5	19
23	Analyses of residual accelerations for TianQin based on the global MHD simulation. Classical and Quantum Gravity, 2020, 37, 185017.	4.0	14
24	Noise in pulsar timing arrays. Journal of Physics: Conference Series, 2015, 610, 012019.	0.4	12
25	Analyses of Laser Propagation Noises for TianQin Gravitational Wave Observatory Based on the Global Magnetosphere MHD Simulations. Astrophysical Journal, 2021, 914, 139.	4.5	10
26	Extending the Frequency Reach of Pulsar Timing Array-based Gravitational Wave Search without High-cadence Observations. Astrophysical Journal Letters, 2021, 907, L43.	8.3	9
27	Orbital effects on time delay interferometry for TianQin. Physical Review D, 2021, 103, .	4.7	9
28	Gravitational waveforms from the quasicircular inspiral of compact binaries in massive Brans-Dicke theory. Physical Review D, 2020, 102, .	4.7	8
29	Continuous gravitational wave searches with pulsar timing arrays: Maximization versus marginalization over pulsar phase parameters. Journal of Physics: Conference Series, 2017, 840, 012058.	0.4	6
30	Complementary probe of dark matter blind spots by lepton colliders and gravitational waves. Physical Review D, 2021, 104, .	4.7	5
31	Quantifying the Magnetic Structure of a Coronal Shock Producing a Type II Radio Burst. Astrophysical Journal, 2022, 929, 175.	4.5	5
32	Search for Continuous Gravitational-wave Signals in Pulsar Timing Residuals: A New Scalable Approach with Diffusive Nested Sampling. Astrophysical Journal, 2021, 922, 228.	4.5	4
33	Prospects for gravitational wave astronomy with next generation large-scale pulsar timing arrays. Journal of Physics: Conference Series, 2018, 957, 012003.	0.4	2
34	Parameter-estimation Biases for Eccentric Supermassive Binary Black Holes in Pulsar Timing Arrays: Biases Caused by Ignored Pulsar Terms. Astrophysical Journal, 2022, 929, 168.	4.5	2
35	Iterative time-domain method for resolving multiple gravitational wave sources in pulsar timing array data. Physical Review D, 2022, 106, .	4.7	2
36	Statistical analyses for NANOGrav 5-year timing residuals. Research in Astronomy and Astrophysics, 2017, 17, 19.	1.7	1