

Yan Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Parameter-estimation Biases for Eccentric Supermassive Binary Black Holes in Pulsar Timing Arrays: Biases Caused by Ignored Pulsar Terms. <i>Astrophysical Journal</i> , 2022, 929, 168.	4.5	2
2	Quantifying the Magnetic Structure of a Coronal Shock Producing a Type II Radio Burst. <i>Astrophysical Journal</i> , 2022, 929, 175.	4.5	5
3	Iterative time-domain method for resolving multiple gravitational wave sources in pulsar timing array data. <i>Physical Review D</i> , 2022, 106, .	4.7	2
4	The TianQin project: Current progress on science and technology. <i>Progress of Theoretical and Experimental Physics</i> , 2021, 2021, .	6.6	129
5	Extending the Frequency Reach of Pulsar Timing Array-based Gravitational Wave Search without High-cadence Observations. <i>Astrophysical Journal Letters</i> , 2021, 907, L43.	8.3	9
6	Orbital effects on time delay interferometry for TianQin. <i>Physical Review D</i> , 2021, 103, .	4.7	9
7	Analyses of Laser Propagation Noises for TianQin Gravitational Wave Observatory Based on the Global Magnetosphere MHD Simulations. <i>Astrophysical Journal</i> , 2021, 914, 139.	4.5	10
8	Complementary probe of dark matter blind spots by lepton colliders and gravitational waves. <i>Physical Review D</i> , 2021, 104, .	4.7	5
9	The Gravitational-wave physics II: Progress. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	5.1	54
10	Search for Continuous Gravitational-wave Signals in Pulsar Timing Residuals: A New Scalable Approach with Diffusive Nested Sampling. <i>Astrophysical Journal</i> , 2021, 922, 228.	4.5	4
11	Fundamental physics with the Square Kilometre Array. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	3.4	179
12	A pulsar-based time-scale from the International Pulsar Timing Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 5951-5965.	4.4	51
13	Analyses of residual accelerations for TianQin based on the global MHD simulation. <i>Classical and Quantum Gravity</i> , 2020, 37, 185017.	4.0	14
14	Gravitational waveforms from the quasicircular inspiral of compact binaries in massive Brans-Dicke theory. <i>Physical Review D</i> , 2020, 102, .	4.7	8
15	Science with the TianQin observatory: Preliminary results on massive black hole binaries. <i>Physical Review D</i> , 2019, 100, .	4.7	64
16	Preliminary study on parameter estimation accuracy of supermassive black hole binary inspirals for TianQin. <i>Physical Review D</i> , 2019, 99, .	4.7	46
17	Optimizing orbits for TianQin. <i>International Journal of Modern Physics D</i> , 2019, 28, 1950121.	2.1	52
18	Fundamentals of the orbit and response for TianQin. <i>Classical and Quantum Gravity</i> , 2018, 35, 095008.	4.0	76

#	ARTICLE	IF	CITATIONS
19	Prospects for gravitational wave astronomy with next generation large-scale pulsar timing arrays. <i>Journal of Physics: Conference Series</i> , 2018, 957, 012003.	0.4	2
20	Statistical analyses for NANOGrav 5-year timing residuals. <i>Research in Astronomy and Astrophysics</i> , 2017, 17, 19.	1.7	1
21	Pulsar Timing Array Based Search for Supermassive Black Hole Binaries in the Square Kilometer Array Era. <i>Physical Review Letters</i> , 2017, 118, 151104.	7.8	52
22	Continuous gravitational wave searches with pulsar timing arrays: Maximization versus marginalization over pulsar phase parameters. <i>Journal of Physics: Conference Series</i> , 2017, 840, 012058.	0.4	6
23	The International Pulsar Timing Array: First data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 1267-1288.	4.4	332
24	THE NANOGrAV NINE-YEAR DATA SET: LIMITS ON THE ISOTROPIC STOCHASTIC GRAVITATIONAL WAVE BACKGROUND. <i>Astrophysical Journal</i> , 2016, 821, 13.	4.5	227
25	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
26	TianQin: a space-borne gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2016, 33, 035010.	4.0	995
27	From spin noise to systematics: stochastic processes in the first International Pulsar Timing Array data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 2161-2187.	4.4	82
28	NANOGrav CONSTRAINTS ON GRAVITATIONAL WAVE BURSTS WITH MEMORY. <i>Astrophysical Journal</i> , 2015, 810, 150.	4.5	54
29	COHERENT NETWORK ANALYSIS FOR CONTINUOUS GRAVITATIONAL WAVE SIGNALS IN A PULSAR TIMING ARRAY: PULSAR PHASES AS EXTRINSIC PARAMETERS. <i>Astrophysical Journal</i> , 2015, 815, 125.	4.5	19
30	Descope of the ALIA mission. <i>Journal of Physics: Conference Series</i> , 2015, 610, 012011.	0.4	91
31	Noise in pulsar timing arrays. <i>Journal of Physics: Conference Series</i> , 2015, 610, 012019.	0.4	12
32	THE NANOGrAV NINE-YEAR DATA SET: OBSERVATIONS, ARRIVAL TIME MEASUREMENTS, AND ANALYSIS OF 37 MILLISECOND PULSARS. <i>Astrophysical Journal</i> , 2015, 813, 65.	4.5	185
33	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
34	A COHERENT METHOD FOR THE DETECTION AND PARAMETER ESTIMATION OF CONTINUOUS GRAVITATIONAL WAVE SIGNALS USING A PULSAR TIMING ARRAY. <i>Astrophysical Journal</i> , 2014, 795, 96.	4.5	28
35	GRAVITATIONAL WAVES FROM INDIVIDUAL SUPERMASSIVE BLACK HOLE BINARIES IN CIRCULAR ORBITS: LIMITS FROM THE NORTH AMERICAN NANOHERTZ OBSERVATORY FOR GRAVITATIONAL WAVES. <i>Astrophysical Journal</i> , 2014, 794, 141.	4.5	104
36	Particle swarm optimization and gravitational wave data analysis: Performance on a binary inspiral testbed. <i>Physical Review D</i> , 2010, 81, .	4.7	21