

Wen Zhao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3032153/publications.pdf>

Version: 2024-02-01

58
papers

1,756
citations

218592

26
h-index

289141

40
g-index

58
all docs

58
docs citations

58
times ranked

1151
citing authors

#	ARTICLE	IF	CITATIONS
1	Quintom models with an equation of state crossing $w = -1$. Physical Review D, 2006, 73, .	1.6	203
2	Localization accuracy of compact binary coalescences detected by the third-generation gravitational-wave detectors and implication for cosmology. Physical Review D, 2018, 97, .	1.6	95
3	Relic gravitational waves in the accelerating Universe. Classical and Quantum Gravity, 2005, 22, 1383-1394.	1.5	79
4	Relic gravitational waves and their detection. Physical Review D, 2006, 74, .	1.6	75
5	Constraints of relic gravitational waves by pulsar timing arrays: Forecasts for the FAST and SKA projects. Physical Review D, 2013, 87, .	1.6	67
6	Waveform of gravitational waves in the general parity-violating gravities. Physical Review D, 2020, 101, .	1.6	61
7	Effects of parity violation on non-Gaussianity of primordial gravitational waves in Horava-Lifshitz gravity. Physical Review D, 2013, 88, .	1.6	53
8	Constraining the time variation of Newton's constant G with gravitational-wave standard sirens and supernovae. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 052-052.	1.9	53
9	Testing Brans-Dicke gravity using the Einstein telescope. Physical Review D, 2017, 95, .	1.6	51
10	Polarizing primordial gravitational waves by parity violation. Physical Review D, 2013, 87, .	1.6	49
11	Gravitational radiation from compact binary systems in screened modified gravity. Physical Review D, 2017, 95, .	1.6	45
12	Constraining $f(R)$ gravity in solar system, cosmology and binary pulsar systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 286-293.	1.5	43
13	ANISOTROPY OF COSMIC ACCELERATION. International Journal of Modern Physics D, 2013, 22, 1350060.	0.9	41
14	Detecting relic gravitational waves by pulsar timing arrays: Effects of cosmic phase transitions and relativistic free-streaming gases. Physical Review D, 2016, 93, .	1.6	36
15	Waveforms of compact binary inspiral gravitational radiation in screened modified gravity. Physical Review D, 2018, 98, .	1.6	35
16	Waveform of gravitational waves in the ghost-free parity-violating gravities. Physical Review D, 2019, 100, .	1.6	35
17	Cosmic microwave background power asymmetry from primordial sound speed parameter. Physical Review D, 2014, 89, .	1.6	34
18	Polarized primordial gravitational waves in the ghost-free parity-violating gravity. Physical Review D, 2020, 101, .	1.6	34

#	ARTICLE	IF	CITATIONS
19	Separating E and B types of polarization on an incomplete sky. Physical Review D, 2010, 82, .	1.6	32
20	Fluctuations of cosmological birefringence and the effect on CMB B -mode polarization. Physical Review D, 2014, 89, .	1.6	29
21	Directional dependence of CMB parity asymmetry. Physical Review D, 2014, 89, .	1.6	29
22	Gravitational Wave Implications for the Parity Symmetry of Gravity in the High Energy Region. Astrophysical Journal, 2021, 908, 58.	1.6	29
23	STATEFINDER DIAGNOSTIC FOR THE YANG-MILLS DARK ENERGY MODEL. International Journal of Modern Physics D, 2008, 17, 1245-1254.	0.9	28
24	Multimessenger Detection Rates and Distributions of Binary Neutron Star Mergers and Their Cosmological Implications. Astrophysical Journal, 2021, 916, 54.	1.6	28
25	Post-Newtonian parameters and cosmological constant of screened modified gravity. Physical Review D, 2016, 93, .	1.6	27
26	Constraining interacting dark energy with CMB and BAO future surveys. Physical Review D, 2017, 96, .	1.6	27
27	Gravitational waves from the quasicircular inspiral of compact binaries in Einstein-aether theory. Physical Review D, 2020, 101, .	1.6	27
28	Constraint on the early Universe by relic gravitational waves: From pulsar timing observations. Physical Review D, 2011, 83, .	1.6	25
29	Hunting for the host galaxy groups of binary black holes and the application in constraining Hubble constant. Monthly Notices of the Royal Astronomical Society, 2020, 498, 1786-1800.	1.6	25
30	Constraints on the Nieh-Yan modified teleparallel gravity with gravitational waves. Physical Review D, 2022, 105, .	1.6	25
31	Gravitational waveforms, polarizations, response functions, and energy losses of triple systems in Einstein-aether theory. Physical Review D, 2019, 99, .	1.6	21
32	Model-independent test of the parity symmetry of gravity with gravitational waves. European Physical Journal C, 2020, 80, 1.	1.4	21
33	Gravitational wave constraints on Lorentz and parity violations in gravity: High-order spatial derivative cases. Physical Review D, 2022, 105, .	1.6	21
34	Relic gravitational waves: Latest revisions and preparations for new data. Physical Review D, 2010, 82, .	1.6	19
35	Constraining Scalar-tensor Theories Using Neutron Star-Black Hole Gravitational Wave Events. Astrophysical Journal, 2021, 921, 149.	1.6	19
36	Constraints on the extensions to the base Λ CDM model from BICEP2, Planck and WMAP. Science China: Physics, Mechanics and Astronomy, 2014, 57, 1460-1465.	2.0	18

#	ARTICLE	IF	CITATIONS
37	Comprehensive Analysis of the Tidal Effect in Gravitational Waves and Implication for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , 2020, 250, 6.	3.0	18
38	Constraints of General Screened Modified Gravities from Comprehensive Analysis of Binary Pulsars. <i>Astrophysical Journal</i> , 2019, 874, 121.	1.6	17
39	New method to constrain the relativistic free-streaming gas in the Universe. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 677, 235-238.	1.5	15
40	Angular momentum loss for eccentric compact binary in screened modified gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 019-019.	1.9	15
41	Spherically symmetric static black holes in Einstein-aether theory. <i>Physical Review D</i> , 2020, 102, .	1.6	14
42	Joint observations of space-based gravitational-wave detectors: Source localization and implications for parity-violating gravity. <i>Physical Review D</i> , 2021, 103, .	1.6	14
43	Local properties of Wilkinson Microwave Anisotropy Probe cold spot. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 3498-3505.	1.6	13
44	Gravitational waveforms and radiation powers of the triple system PSR $J_{0337+1715}$ in modified theories of gravity. <i>Physical Review D</i> , 2019, 100, .	1.6	13
45	Constraining Screened Modified Gravity with Spaceborne Gravitational-wave Detectors. <i>Astrophysical Journal</i> , 2020, 890, 163.	1.6	13
46	Constraining the scalar-tensor gravity theories with and without screening mechanisms by combined observations. <i>Physical Review D</i> , 2019, 100, .	1.6	11
47	On Using Inspiring Supermassive Binary Black Holes in the PTA Frequency Band as Standard Sirens to Constrain Dark Energy. <i>Astrophysical Journal</i> , 2020, 889, 79.	1.6	10
48	Post-Newtonian parameters of ghost-free parity-violating gravities. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 054.	1.9	10
49	Detection of relic gravitational waves in the CMB: prospects for CMBPol mission. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 007-007.	1.9	9
50	Detecting relic gravitational waves in the CMB: The contamination caused by the cosmological birefringence. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 737, 329-334.	1.5	9
51	Model-independent measurement of the absolute magnitude of Type Ia supernovae with gravitational-wave sources. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 009-009.	1.9	9
52	Gravitational waveforms from the quasicircular inspiral of compact binaries in massive Brans-Dicke theory. <i>Physical Review D</i> , 2020, 102, .	1.6	8
53	Constraining the non-Einsteinian polarizations of gravitational waves by pulsar timing array. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	2.0	5
54	Scalar Quadratic Maximum-likelihood Estimators for the CMB Cross-power Spectrum. <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 44.	3.0	5

#	ARTICLE	IF	CITATIONS
55	The Weird Side of the Universe: Preferred Axis. International Journal of Modern Physics Conference Series, 2017, 45, 1760009.	0.7	3
56	Fast Scalar Quadratic Maximum Likelihood Estimators for the CMB B-mode Power Spectrum. Astrophysical Journal, Supplement Series, 2021, 257, 27.	3.0	3
57	Effects of peculiar velocities on the morphological properties of large-scale structure. Physical Review D, 2022, 105, .	1.6	3
58	Statical Properties of CMB B-Mode Polarisation in a Partial Sky Analysis. International Journal of Modern Physics Conference Series, 2017, 45, 1760010.	0.7	0