Zong-Kuan Guo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5817616/publications.pdf

Version: 2024-02-01

70	4,000	117625	114465
papers	citations	34 h-index	63 g-index

70	70	70	1744
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hubble parameter estimation via dark sirens with the LISA-Taiji network. National Science Review, 2022, 9, nwab054.	9.5	22
2	Standard siren cosmology with the LISA-Taiji network. Science China: Physics, Mechanics and Astronomy, 2022, 65, 1.	5.1	5
3	No-go guide for the Hubble tension: Late-time solutions. Physical Review D, 2022, 105, .	4.7	33
4	Dependence of the amplitude of gravitational waves from preheating on the inflationary energy scale. Physical Review D, 2022, 105, .	4.7	4
5	Primordial black hole production during first-order phase transitions. Physical Review D, 2022, 105, .	4.7	43
6	Sampling with prior knowledge for high-dimensional gravitational wave data analysis. Big Data Mining and Analytics, 2022, 5, 53-63.	8.9	4
7	The LISA-Taiji Network: Precision Localization of Coalescing Massive Black Hole Binaries. Research, 2021, 2021, 6014164.	5.7	24
8	Large Anisotropies of the Stochastic Gravitational Wave Background from Cosmic Domain Walls. Physical Review Letters, 2021, 126, 141303.	7.8	24
9	Do the observational data favor a local void?. Physical Review D, 2021, 103, .	4.7	14
10	Chameleon dark energy can resolve the Hubble tension. Physical Review D, 2021, 103, .	4.7	47
11	Gravitational waves from resonant amplification of curvature perturbations during inflation. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 050.	5.4	15
12	The Gravitational-wave physics II: Progress. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	54
13	Gravitational and electromagnetic radiation from binary black holes with electric and magnetic charges: elliptical orbits on a cone. European Physical Journal C, 2021, 81, 1.	3.9	17
14	Merger rate distribution of primordial black hole binaries with electric charges. Physical Review D, 2020, 102, .	4.7	32
15	Gravitational and electromagnetic radiation from binary black holes with electric and magnetic charges: Circular orbits on a cone. Physical Review D, 2020, 102, .	4.7	28
16	Taiji program: Gravitational-wave sources. International Journal of Modern Physics A, 2020, 35, 2050075.	1.5	281
17	Primordial black holes and gravitational waves from parametric amplification of curvature perturbations. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 013-013.	5.4	86
18	Primordial black holes from cosmic domain walls. Physical Review D, 2020, 101, .	4.7	42

#	Article	IF	Citations
19	Gravitational waves from double-inflection-point inflation. Physical Review D, 2020, 101, .	4.7	52
20	The LISAâ€“Taiji network. Nature Astronomy, 2020, 4, 108-109.	10.1	92
21	Analytical approximation of the scalar spectrum in the ultraslow-roll inflationary models. Physical Review D, 2020, 101, .	4.7	49
22	Constraining gravitational-wave polarizations with Taiji. Physical Review D, 2020, 102, .	4.7	9
23	Constraining the reionization history with CMB and spectroscopic observations. Physical Review D, 2019, 99, .	4.7	9
24	Effects of the merger history on the merger rate density of primordial black hole binaries. European Physical Journal C, 2019, 79, 1.	3.9	40
25	Gravitational wave production after inflation with cuspy potentials. Physical Review D, 2019, 99, .	4.7	26
26	Effects of the surrounding primordial black holes on the merger rate of primordial black hole binaries. Physical Review D, 2019, 99, .	4.7	44
27	Gravitational Waves from Oscillons with Cuspy Potentials. Physical Review Letters, 2018, 120, 031301.	7.8	65
28	Primordial black hole production in inflationary models of supergravity with a single chiral superfield. Physical Review D, 2018, 98, .	4.7	52
29	Super-Eddington accreting massive black holes explore high- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>z</mml:mi></mml:mrow></mml:math> cosmology: Monte-Carlo simulations. Physical Review D, 2018, 97, .	4.7	4
30	Lorentz invariance violation in the neutrino sector: a joint analysis from big bang nucleosynthesis and the cosmic microwave background. European Physical Journal C, 2017, 77, 1.	3.9	12
31	The gravitational-wave physics. National Science Review, 2017, 4, 687-706.	9.5	111
32	Dodging the cosmic curvature to probe the constancy of the speed of light. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 016-016.	5.4	31
33	Null test of the cosmic curvature using<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>H</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>z</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 172 Td (stretchy="false"	4.7	101
34	Model of inflationary magnetogenesis. Physical Review D, 2016, 93, .	4.7	6
35	Magnetogenesis in bouncing cosmology. Physical Review D, 2016, 94, .	4.7	19
36	Inflection point inflation and dark energy in supergravity. Physical Review D, 2015, 91, .	4.7	7

#	Article	IF	Citations
37	Reconstructing the interaction between dark energy and dark matter using Gaussian processes. Physical Review D, 2015, 91, .	4.7	86
38	Higgs inflation in Gauss-Bonnet braneworld. Physical Review D, 2015, 92, .	4.7	9
39	Principal component analysis of the reionization history from Planck 2015 data. Physical Review D, 2015, 92, .	4.7	6
40	Reheating phase diagram for single-field slow-roll inflationary models. Physical Review D, 2015, 92, .	4.7	42
41	Updated reduced CMB data and constraints on cosmological parameters. International Journal of Modern Physics D, 2015, 24, 1550071.	2.1	3
42	Reconstruction of the primordial power spectra with Planck and BICEP2 data. Physical Review D, 2014, 90, .	4.7	29
43	CMB anomalies from an inflationary model in string theory. European Physical Journal C, 2014, 74, 1.	3.9	36
44	Constraints on the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="bold">Î›</mml:mi><mml:mi>CDM</mml:mi></mml:mrow></mml:math>model with redshift tomography. Physical Review D, 2014, 89, .	4.7	6
45	Inflation coupled to a Gauss-Bonnet term. Physical Review D, 2013, 88, .	4.7	67
46	Nucleosynthesis constraint on Lorentz invariance violation in the neutrino sector. Physical Review D, 2013, 87, .	4.7	2
47	Obtaining the CMB anomalies with a bounce from the contracting phase to inflation. Physical Review D, 2013, 88, .	4.7	105
48	Cosmological constraints on Lorentz invariance violation in the neutrino sector. Physical Review D, 2012, 86, .	4.7	2
49	Non-Gaussian features from the inverse volume corrections in loop quantum cosmology. Physical Review D, 2012, 86, .	4.7	7
50	Primordial power spectrum versus extension parameters beyond the standard model. Physical Review D, 2012, 85, .	4.7	8
51	Observational constraints on the energy scale of inflation. Physical Review D, 2011, 83, .	4.7	10
52	Uncorrelated estimates of the primordial power spectrum. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 032-032.	5.4	13
53	Reconstruction of the primordial power spectrum from CMB data. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 031-031.	5.4	19
54	Slow-roll inflation with a Gauss-Bonnet correction. Physical Review D, 2010, 81, .	4.7	93

#	Article	IF	Citations
55	Power spectra from an inflaton coupled to the Gauss-Bonnet term. Physical Review D, 2009, 80, .	4.7	98
56	Cosmological evolution of the Diracâ€“Bornâ€“Infeld field. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 035.	5.4	25
57	Probing the coupling between dark components of the universe. Physical Review D, 2007, 76, .	4.7	327
58	PARAMETRIZATIONS OF THE DARK ENERGY DENSITY AND SCALAR POTENTIALS. Modern Physics Letters A, 2007, 22, 883-890.	1.2	119
59	Realizing scale-invariant density perturbations in low-energy effective string theory. Physical Review D, 2007, 75, .	4.7	40
60	Two-field quintom models in thewâ^'wâ€²plane. Physical Review D, 2006, 74, .	4.7	101
61	A TRACKER SOLUTION FOR A HOLOGRAPHIC DARK ENERGY MODEL. International Journal of Modern Physics D, 2006, 15, 869-877.	2.1	117
62	PARAMETRIZATION OF k-ESSENCE AND ITS KINETIC TERM. Modern Physics Letters A, 2006, 21, 1683-1689.	1.2	17
63	Cosmological evolution of a quintom model of dark energy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 608, 177-182.	4.1	646
64	Cosmological evolution of interacting phantom energy with dark matter. Journal of Cosmology and Astroparticle Physics, 2005, 2005, 002-002.	5.4	115
65	Parametrization of quintessence and its potential. Physical Review D, 2005, 72, .	4.7	120
66	Cosmological scaling solutions of multiple tachyon fields with inverse square potentials. Journal of Cosmology and Astroparticle Physics, 2004, 2004, 010-010.	5.4	46
67	Attractor behavior of phantom cosmology. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 594, 247-251.	4.1	74
68	Cosmological scaling solutions and multiple exponential potentials. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 568, 1-7.	4.1	61
69	Cosmological scaling solutions and cross-coupling exponential potential. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 576, 12-17.	4.1	43
70	5D Dirac Equation in Induced-Matter Theory. International Journal of Theoretical Physics, 2002, 41, 1733-1743.	1.2	4