Zong-Kuan Guo

List of Publications by Year
in descending order

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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	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
2	Probing the coupling between dark components of the universe. Physical Review D, 2007, 76, .	4.7	327
3	Taiji program: Gravitational-wave sources. International Journal of Modern Physics A, 2020, 35, 2050075.	1.5	281
4	Parametrization of quintessence and its potential. Physical Review D, 2005, 72, .	4.7	120
5	PARAMETRIZATIONS OF THE DARK ENERGY DENSITY AND SCALAR POTENTIALS. Modern Physics Letters A, 2007, 22, 883-890.	1.2	119
6	A TRACKER SOLUTION FOR A HOLOGRAPHIC DARK ENERGY MODEL. International Journal of Modern Physics D, 2006, 15, 869-877.	2.1	117
7	Cosmological evolution of interacting phantom energy with dark matter. Journal of Cosmology and Astroparticle Physics, 2005, 2005, 002-002.	5.4	115
8	The gravitational-wave physics. National Science Review, 2017, 4, 687-706.	9.5	111
9	Obtaining the CMB anomalies with a bounce from the contracting phase to inflation. Physical Review D, 2013, 88, .	4.7	105
10	Two-field quintom models in thewâ^'wâ€²plane. Physical Review D, 2006, 74, .	4.7	101
11	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 50 332 Td (stretchy="false"	4.7	101
12	Power spectra from an inflaton coupled to the Gauss-Bonnet term. Physical Review D, 2009, 80, .	4.7	98
13	Slow-roll inflation with a Gauss-Bonnet correction. Physical Review D, 2010, 81, .	4.7	93
14	The LISAâ€"Taiji network. Nature Astronomy, 2020, 4, 108-109.	10.1	92
15	Reconstructing the interaction between dark energy and dark matter using Gaussian processes. Physical Review D, 2015, 91, .	4.7	86
16	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
17	Attractor behavior of phantom cosmology. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 594, 247-251.	4.1	74
18	Inflation coupled to a Gauss-Bonnet term. Physical Review D, 2013, 88, .	4.7	67

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19	Gravitational Waves from Oscillons with Cuspy Potentials. Physical Review Letters, 2018, 120, 031301.	7.8	65
20	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
21	The Gravitational-wave physics II: Progress. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	54
22	Primordial black hole production in inflationary models of supergravity with a single chiral superfield. Physical Review D, 2018, 98, .	4.7	52
23	Gravitational waves from double-inflection-point inflation. Physical Review D, 2020, 101, .	4.7	52
24	Analytical approximation of the scalar spectrum in the ultraslow-roll inflationary models. Physical Review D, 2020, 101, .	4.7	49
25	Chameleon dark energy can resolve the Hubble tension. Physical Review D, 2021, 103, .	4.7	47
26	Cosmological scaling solutions of multiple tachyon fields with inverse square potentials. Journal of Cosmology and Astroparticle Physics, 2004, 2004, 010-010.	5.4	46
27	Effects of the surrounding primordial black holes on the merger rate of primordial black hole binaries. Physical Review D, 2019, 99, .	4.7	44
28	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
29	Primordial black hole production during first-order phase transitions. Physical Review D, 2022, 105, .	4.7	43
30	Reheating phase diagram for single-field slow-roll inflationary models. Physical Review D, 2015, 92, .	4.7	42
31	Primordial black holes from cosmic domain walls. Physical Review D, 2020, 101, .	4.7	42
32	Realizing scale-invariant density perturbations in low-energy effective string theory. Physical Review D, 2007, 75, .	4.7	40
33	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
34	CMB anomalies from an inflationary model in string theory. European Physical Journal C, 2014, 74, 1.	3.9	36
35	No-go guide for the Hubble tension: Late-time solutions. Physical Review D, 2022, 105, .	4.7	33
36	Merger rate distribution of primordial black hole binaries with electric charges. Physical Review D, 2020, 102, .	4.7	32

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37	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
38	Reconstruction of the primordial power spectra with Planck and BICEP2 data. Physical Review D, 2014, 90, .	4.7	29
39	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
40	Gravitational wave production after inflation with cuspy potentials. Physical Review D, 2019, 99, .	4.7	26
41	Cosmological evolution of the Diracâ€“Bornâ€“Infeld field. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 035.	5.4	25
42	The LISA-Taiji Network: Precision Localization of Coalescing Massive Black Hole Binaries. Research, 2021, 2021, 6014164.	5.7	24
43	Large Anisotropies of the Stochastic Gravitational Wave Background from Cosmic Domain Walls. Physical Review Letters, 2021, 126, 141303.	7.8	24
44	Hubble parameter estimation via dark sirens with the LISA-Taiji network. National Science Review, 2022, 9, nwab054.	9.5	22
45	Reconstruction of the primordial power spectrum from CMB data. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 031-031.	5.4	19
46	Magnetogenesis in bouncing cosmology. Physical Review D, 2016, 94, .	4.7	19
47	PARAMETRIZATION OF k-ESSENCE AND ITS KINETIC TERM. Modern Physics Letters A, 2006, 21, 1683-1689.	1.2	17
48	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
49	Gravitational waves from resonant amplification of curvature perturbations during inflation. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 050.	5.4	15
50	Do the observational data favor a local void?. Physical Review D, 2021, 103, .	4.7	14
51	Uncorrelated estimates of the primordial power spectrum. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 032-032.	5.4	13
52	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
53	Observational constraints on the energy scale of inflation. Physical Review D, 2011, 83, .	4.7	10
54	Higgs inflation in Gauss-Bonnet braneworld. Physical Review D, 2015, 92, .	4.7	9

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55	Constraining the reionization history with CMB and spectroscopic observations. Physical Review D, 2019, 99, .	4.7	9
56	Constraining gravitational-wave polarizations with Taiji. Physical Review D, 2020, 102, .	4.7	9
57	Primordial power spectrum versus extension parameters beyond the standard model. Physical Review D, 2012, 85, .	4.7	8
58	Non-Gaussian features from the inverse volume corrections in loop quantum cosmology. Physical Review D, 2012, 86, .	4.7	7
59	Inflection point inflation and dark energy in supergravity. Physical Review D, 2015, 91, .	4.7	7
60	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
61	Principal component analysis of the reionization history from Planck 2015 data. Physical Review D, 2015, 92, .	4.7	6
62	Model of inflationary magnetogenesis. Physical Review D, 2016, 93, .	4.7	6
63	Standard siren cosmology with the LISA-Taiji network. Science China: Physics, Mechanics and Astronomy, 2022, 65, 1.	5.1	5
64	5D Dirac Equation in Induced-Matter Theory. International Journal of Theoretical Physics, 2002, 41, 1733-1743.	1.2	4
65	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
66	Dependence of the amplitude of gravitational waves from preheating on the inflationary energy scale. Physical Review D, 2022, 105, .	4.7	4
67	Sampling with prior knowledge for high-dimensional gravitational wave data analysis. Big Data Mining and Analytics, 2022, 5, 53-63.	8.9	4
68	Updated reduced CMB data and constraints on cosmological parameters. International Journal of Modern Physics D, 2015, 24, 1550071.	2.1	3
69	Cosmological constraints on Lorentz invariance violation in the neutrino sector. Physical Review D, 2012, 86, .	4.7	2
70	Nucleosynthesis constraint on Lorentz invariance violation in the neutrino sector. Physical Review D, 2013, 87, .	4.7	2