

Zhiqi Huang

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

23,430
citations

117625

34
h-index

102487

66
g-index

68
all docs

68
docs citations

68
times ranked

17099
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A13.	5.1	8,344
2	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A6.	5.1	6,722
3	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A20.	5.1	1,233
4	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A1.	5.1	804
5	The Simons Observatory: science goals and forecasts. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 056-056.	5.4	741
6	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A1.	5.1	738
7	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A14.	5.1	568
8	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A5.	5.1	558
9	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A17.	5.1	440
10	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A108.	5.1	375
11	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A107.	5.1	359
12	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A16.	5.1	338
13	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A9.	5.1	319
14	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A4.	5.1	218
15	<i>Planck </i>intermediate results. Astronomy and Astrophysics, 2017, 607, A95.	5.1	131
16	The Atacama Cosmology Telescope: two-season ACTPol spectra and parameters. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 031-031.	5.4	120
17	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A11.	5.1	118
18	Non-Gaussian Curvature Spikes from Chaotic Billiards in Inflation Preheating. Physical Review Letters, 2009, 103, 071301.	7.8	94

#	ARTICLE	IF	CITATIONS
19	Cosmological fluctuations from infrared cascading during inflation. <i>Physical Review D</i> , 2009, 80, .	4.7	85
20	Particle production during inflation: Observational constraints and signatures. <i>Physical Review D</i> , 2009, 80, .	4.7	82
21	The future of primordial features with large-scale structure surveys. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 014-014.	5.4	59
22	Art of lattice and gravity waves from preheating. <i>Physical Review D</i> , 2011, 83, .	4.7	55
23	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 586, A141.	5.1	55
24	Cosmic Microwave Background Bispectrum from Recombination. <i>Physical Review Letters</i> , 2013, 110, 101303.	7.8	48
25	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 596, A105.	5.1	47
26	Constraining inflation with future galaxy redshift surveys. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 005-005.	5.4	46
27	<i>Planck </i>intermediate results. <i>Astronomy and Astrophysics</i> , 2017, 599, A51.	5.1	46
28	New High-quality Strong Lens Candidates with Deep Learning in the Kilo-Degree Survey. <i>Astrophysical Journal</i> , 2020, 899, 30.	4.5	46
29	Comparison of Einstein-Boltzmann solvers for testing general relativity. <i>Physical Review D</i> , 2018, 97, .	4.7	44
30	Can non-standard recombination resolve the Hubble tension?. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	5.1	44
31	Weakening gravity on redshift-survey scales with kinetic matter mixing. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 014-014.	5.4	41
32	A New Limit on CMB Circular Polarization from SPIDER. <i>Astrophysical Journal</i> , 2017, 844, 151.	4.5	40
33	Preheating after modular inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2009, 2009, 021-021.	5.4	39
34	Cosmological constraints on decaying dark matter. <i>Journal of Cosmology and Astroparticle Physics</i> , 2009, 2009, 005-005.	5.4	38
35	SPIDER: CMB Polarimetry from the Edge of Space. <i>Journal of Low Temperature Physics</i> , 2018, 193, 1112-1121.	1.4	35
36	Catastrophic Consequences of Kicking the Chameleon. <i>Physical Review Letters</i> , 2013, 110, 171101.	7.8	32

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37	Chameleons in the early Universe: Kicks, rebounds, and particle production. <i>Physical Review D</i> , 2014, 89, .	4.7	28
38	The H_0 Tension in Non-flat QCDM Cosmology. <i>Astrophysical Journal</i> , 2018, 868, 20.	4.5	23
39	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2018, 617, A48.	5.1	22
40	High-quality Strong Lens Candidates in the Final Kilo-Degree Survey Footprint. <i>Astrophysical Journal</i> , 2021, 923, 16.	4.5	20
41	PARAMETERIZING AND MEASURING DARK ENERGY TRAJECTORIES FROM LATE INFLATONS. <i>Astrophysical Journal</i> , 2011, 726, 64.	4.5	19
42	Observational effects of a running Planck mass. <i>Physical Review D</i> , 2016, 93, .	4.7	19
43	Search for Lensing Signatures from the Latest Fast Radio Burst Observations and Constraints on the Abundance of Primordial Black Holes. <i>Astrophysical Journal</i> , 2022, 928, 124.	4.5	19
44	Full cosmic microwave background temperature bispectrum from single-field inflation. <i>Physical Review D</i> , 2014, 89, .	4.7	18
45	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2018, 619, A94.	5.1	18
46	Supernova Magnitude Evolution and PAge Approximation. <i>Astrophysical Journal Letters</i> , 2020, 892, L28.	8.3	16
47	A cosmology forecast toolkit “CosmoLib”. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 012-012.	5.4	15
48	Reaffirming the Cosmic Acceleration without Supernovae and the Cosmic Microwave Background. <i>Astrophysical Journal</i> , 2020, 905, 53.	4.5	14
49	Marginalized Fisher forecast for Horndeski dark energy models. <i>International Journal of Modern Physics D</i> , 2017, 26, 1750070.	2.1	12
50	Band-limited Features in the Primordial Power Spectrum Do Not Resolve the Hubble Tension. <i>Astrophysical Journal</i> , 2020, 897, 166.	4.5	10
51	280 GHz Focal Plane Unit Design and Characterization for the Spider-2 Suborbital Polarimeter. <i>Journal of Low Temperature Physics</i> , 2018, 193, 1075-1084.	1.4	9
52	Reconciling low and high redshift GRB luminosity correlations. <i>Physical Review D</i> , 2021, 103, .	4.7	8
53	The S_8 tension in light of updated redshift-space distortion data and PAge approximation. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022, 65, 1.	5.1	8
54	Constraints on the abundance of primordial black holes with different mass distributions from lensing of fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1141-1152.	4.4	8

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55	Flatness without CMB: The Entanglement of Spatial Curvature and Dark Energy Equation of State. <i>Astrophysical Journal</i> , 2019, 877, 107.	4.5	7
56	Constraints on the abundance of supermassive primordial black holes from lensing of compact radio sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3627-3633.	4.4	7
57	Superclustering with the Atacama Cosmology Telescope and Dark Energy Survey. I. Evidence for Thermal Energy Anisotropy Using Oriented Stacking. <i>Astrophysical Journal</i> , 2022, 933, 134.	4.5	6
58	Revisiting the cosmological bias due to local gravitational redshifts. <i>Physical Review D</i> , 2015, 91, .	4.7	4
59	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2020, 644, A99.	5.1	4
60	Statistics of thawing k -essence dark energy models. <i>Physical Review D</i> , 2021, 104, .	4.7	4
61	High-redshift minihaloes from modulated preheating. <i>Physical Review D</i> , 2019, 99, .	4.7	2
62	A Simulation-based Method for Correcting Mode Coupling in CMB Angular Power Spectra. <i>Astrophysical Journal</i> , 2022, 928, 109.	4.5	2
63	Thawing k -essence dark energy in the PAge space. <i>Communications in Theoretical Physics</i> , 2022, 74, 095404.	2.5	2
64	Anti-evaporation and evaporation of an n -dimensional Reissner-Nordström black hole. <i>Physical Review D</i> , 2019, 99, .	4.7	1
65	Cosmological constraints from the density gradient weighted correlation function. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 595-603.	4.4	1
66	In-Flight Gain Monitoring of SPIDER's Transition-Edge Sensor Arrays. <i>Journal of Low Temperature Physics</i> , 2022, 209, 649-657.	1.4	1
67	Forecasting cosmological bias due to local gravitational redshift. <i>International Journal of Modern Physics D</i> , 2019, 28, 1950150.	2.1	0