Bin Hu

List of Publications by Year
in descending order

41 papers	1,531 citations	331670 21 h-index	302126 39 g-index
41 all docs	41 docs citations	41 times ranked	1224 citing authors

#	Article	IF	Citations
1	Beyond<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si33.gif" display="inline" overflow="scroll"><mml:mi>Î›</mml:mi><mml:mstyle mathvariant="normal"><mml:mi>CDM</mml:mi></mml:mstyle></mml:math>: Problems, solutions, and the road ahead. Physics of the Dark Universe, 2016, 12, 56-99.	4.9	361
2	Effective field theory of cosmic acceleration: An implementation in CAMB. Physical Review D, 2014, 89, .	4.7	158
3	Effective field theory of cosmic acceleration: Constraining dark energy with CMB data. Physical Review D, 2014, 90, .	4.7	123
4	Dynamical scalar degree of freedom in HoÅ™ava-Lifshitz gravity. Physical Review D, 2009, 80, .	4.7	95
5	Constraining models of<i>f</i>(<i>R</i>) gravity with Planck and WiggleZ power spectrum data. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 046-046.	5.4	63
6	Inflation with moderately sharp features in the speed of sound: Generalized slow roll and in-in formalism for power spectrum and bispectrum. Physical Review D, 2014, 90, .	4.7	58
7	Do current cosmological observations rule out all covariant Galileons?. Physical Review D, 2018, 97, .	4.7	50
8	Large primordial trispectra in general single field inflation. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 008-008.	5.4	46
9	Primordial trispectrum from entropy perturbations in multifield DBI model. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 012-012.	5.4	45
10	HoÅ™ava Gravity in the Effective Field Theory formalism: From cosmology to observational constraints. Physics of the Dark Universe, 2016, 13, 7-24.	4.9	43
11	Exploring massive neutrinos in dark cosmologies with eftcamb/EFTCosmoMC. Physical Review D, 2015, 91, .	4.7	40
12	Parametrized modified gravity constraints after Planck. Physical Review D, 2013, 88, .	4.7	36
13	Implication of the Hubble tension for the primordial Universe in light of recent cosmological data. Physical Review D, 2021, 104, .	4.7	35
14	Hiding neutrino mass in modified gravity cosmologies. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 043-043.	5.4	34
15	Testing Huâ€"Sawicki<i>f</i>(<i>R</i>) gravity with the effective field theory approach. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3880-3889.	4.4	32
16	Acoustic signatures in the Cosmic Microwave Background bispectrum from primordial magnetic fields. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 025-025.	5.4	31
17	Constraints on the cosmic distance duality relation with simulated data of gravitational waves from the Einstein Telescope. Astroparticle Physics, 2019, 108, 57-62.	4.3	31
18	Can modified gravity models reconcile the tension between the CMB anisotropy and lensing maps in Planck-like observations?. Physical Review D, 2015, 91, .	4.7	24

#	Article	IF	Citations
19	Searching for primordial localized features with CMB and LSS spectra. Physical Review D, 2015, 91, .	4.7	23
20	Gaussâ€“Bonnet term on vacuum decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 671, 181-186.	4.1	22
21	Hubble parameter estimation via dark sirens with the LISA-Taiji network. National Science Review, 2022, 9, nwab054.	9.5	22
22	Searching for features of a string-inspired inflationary model with cosmological observations. Physical Review D, 2015, 92, .	4.7	21
23	The first simultaneous measurement of Hubble constant and post-Newtonian parameter from time-delay strong lensing. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 497, L56-L61.	3.3	20
24	New Probe of Gravity: Strongly Lensed Gravitational-wave Multimessenger Approach. Astrophysical Journal, 2019, 880, 50.	4.5	14
25	Scalar graviton in the healthy extension of HoÅ™ava-Lifshitz theory. Physical Review D, 2011, 83, .	4.7	13
26	Initial conditions for cosmological N-body simulations of the scalar sector of theories of Newtonian, Relativistic and Modified Gravity. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 054-054.	5.4	13
27	Future CMB integrated-Sachs-Wolfe-lensing bispectrum constraints on modified gravity in the parametrized post-Friedmann formalism. Physical Review D, 2013, 88, .	4.7	12
28	Robust predictions for an oscillatory bispectrum in Planck 2015 data from transient reductions in the speed of sound of the inflaton. Physical Review D, 2017, 96, .	4.7	10
29	Non-Gaussian features from the inverse volume corrections in loop quantum cosmology. Physical Review D, 2012, 86, .	4.7	7
30	CHAM: a fast algorithm of modelling non-linear matter power spectrum in the sCreened HAlo Model. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 476, L65-L68.	3.3	7
31	An axion-like scalar field environment effect on binary black hole merger. Research in Astronomy and Astrophysics, 2018, 18, 065.	1.7	7
32	Note on self-gravitating radiation in AdS spacetime. Physical Review D, 2008, 77, .	4.7	6
33	Lensing magnification: gravitational waves from coalescing stellar-mass binary black holes. Monthly Notices of the Royal Astronomical Society, 2021, 508, 1253-1261.	4.4	6
34	MAPPING HAWKING TEMPERATURE IN THE SPINNING CONSTANT CURVATURE BLACK HOLE SPACES INTO UNRUH TEMPERATURE. Modern Physics Letters A, 2012, 27, 1250002.	1.2	5
35	Co-evolution of supermassive black holes with galaxies from semi-analytic model: stochastic gravitational wave background and black hole clustering. Monthly Notices of the Royal Astronomical Society, 2019, 483, 503-513.	4.4	4
36	Non-linear matter power spectrum without screening dynamics modelling in f(R) gravity. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4235-4245.	4.4	4

#	Article	IF	Citations
37	Entropy perturbations in N-flation. Physical Review D, 2009, 80, .	4.7	3
38	Fast Scalar Quadratic Maximum Likelihood Estimators for the CMB B-mode Power Spectrum. Astrophysical Journal, Supplement Series, 2021, 257, 27.	7.7	3
39	Timelike vector field dynamics in the early universe. Journal of the Korean Physical Society, 2012, 60, 1983-1992.	0.7	2
40	Note on the initial conditions within the effective field theory approach of cosmic acceleration. Physical Review D, 2017, 96, .	4.7	2
41	å©ä½“ç‰©ç‡èµ·æºå¼•åŠ›æ³¢çš„å®‡å®™å¦å¼”ç”¨. Scientia Sinica: Physica, Mechanica Et Astronomica, 2022, , .	0.4	0