

# Bin Hu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/44965/publications.pdf>

Version: 2024-02-01

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  | Hubble parameter estimation via dark sirens with the LISA-Taiji network. National Science Review, 2022, 9, nwab054.   | 9.5 | 22        |
| 2  | å©ä1/2“ç%©ç†èµ·æ°å1/4•åŠ,æ³ççš,,å®†å™å†åè”ç”. Scientia Sinica: Physica, Mechanica Et Astronomica, 2022, , 0.4   |     | 0         |
| 3  | 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         |
| 4  | Implication of the Hubble tension for the primordial Universe in light of recent cosmological data. Physical Review D, 2021, 104, .   | 4.7 | 35        |
| 5  | Fast Scalar Quadratic Maximum Likelihood Estimators for the CMB B-mode Power Spectrum. Astrophysical Journal, Supplement Series, 2021, 257, 27.   | 7.7 | 3         |
| 6  | 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        |
| 7  | 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         |
| 8  | New Probe of Gravity: Strongly Lensed Gravitational-wave Multimessenger Approach. Astrophysical Journal, 2019, 880, 50.   | 4.5 | 14        |
| 9  | 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        |
| 10 | 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         |
| 11 | 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         |
| 12 | Do current cosmological observations rule out all covariant Galileons?. Physical Review D, 2018, 97, .  | 4.7 | 50        |
| 13 | An axion-like scalar field environment effect on binary black hole merger. Research in Astronomy and Astrophysics, 2018, 18, 065.   | 1.7 | 7         |
| 14 | Hiding neutrino mass in modified gravity cosmologies. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 043-043.  | 5.4 | 34        |
| 15 | Note on the initial conditions within the effective field theory approach of cosmic acceleration. Physical Review D, 2017, 96, .  | 4.7 | 2         |
| 16 | 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        |
| 17 | Beyond $\Lambda$ CDM: Problems, solutions, and the road ahead. Physics of the Dark Universe, 2016, 12, 56-99.   | 4.9 | 361       |
| 18 | Ho <sup>TM</sup> 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        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Testing Hu&Sawicki ( $f(R)$ ) gravity with the effective field theory approach. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3880-3889.  | 4.4 | 32        |
| 20 | 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        |
| 21 | Searching for features of a string-inspired inflationary model with cosmological observations. Physical Review D, 2015, 92, .   | 4.7 | 21        |
| 22 | 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        |
| 23 | Searching for primordial localized features with CMB and LSS spectra. Physical Review D, 2015, 91, .  | 4.7 | 23        |
| 24 | Exploring massive neutrinos in dark cosmologies with eftcamb/EFTCosmoMC. Physical Review D, 2015, 91, .   | 4.7 | 40        |
| 25 | Constraining models of ( $f(R)$ ) gravity with Planck and WiggleZ power spectrum data. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 046-046.   | 5.4 | 63        |
| 26 | 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        |
| 27 | Effective field theory of cosmic acceleration: Constraining dark energy with CMB data. Physical Review D, 2014, 90, .   | 4.7 | 123       |
| 28 | Effective field theory of cosmic acceleration: An implementation in CAMB. Physical Review D, 2014, 89, .  | 4.7 | 158       |
| 29 | 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        |
| 30 | Parametrized modified gravity constraints after Planck. Physical Review D, 2013, 88, .  | 4.7 | 36        |
| 31 | Non-Gaussian features from the inverse volume corrections in loop quantum cosmology. Physical Review D, 2012, 86, .   | 4.7 | 7         |
| 32 | MAPPING HAWKING TEMPERATURE IN THE SPINNING CONSTANT CURVATURE BLACK HOLE SPACES INTO UNRUH TEMPERATURE. Modern Physics Letters A, 2012, 27, 1250002.   | 1.2 | 5         |
| 33 | Timelike vector field dynamics in the early universe. Journal of the Korean Physical Society, 2012, 60, 1983-1992.  | 0.7 | 2         |
| 34 | Scalar graviton in the healthy extension of Ho&Lifshitz theory. Physical Review D, 2011, 83, .  | 4.7 | 13        |
| 35 | 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        |
| 36 | Primordial trispectrum from entropy perturbations in multifield DBI model. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 012-012.   | 5.4 | 45        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Gaussâ€“Bonnet term on vacuum decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 671, 181-186. | 4.1 | 22        |
| 38 | Dynamical scalar degree of freedom in Hořava-Lifshitz gravity. Physical Review D, 2009, 80, .  | 4.7 | 95        |
| 39 | Entropy perturbations in N-flation. Physical Review D, 2009, 80, .   | 4.7 | 3         |
| 40 | Large primordial trispectra in general single field inflation. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 008-008.        | 5.4 | 46        |
| 41 | Note on self-gravitating radiation in AdS spacetime. Physical Review D, 2008, 77, .  | 4.7 | 6         |