Hao-Ran Yu

List of Publications by Year
in descending order

25	491	687363 13	677142 22
papers	citations	h-index	g-index

26	26	26	484
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the non-Poissonian repetition pattern of FRB121102. Monthly Notices of the Royal Astronomical Society, 2018, 475, 5109-5115.	4.4	87
2	Cosmological neutrino simulations at extreme scale. Research in Astronomy and Astrophysics, 2017, 17, 085.	1.7	46
3	Precision reconstruction of the cold dark matter-neutrino relative velocity from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi></mml:math>-body simulations. Physical Review D, 2015, 92, .	4.7	43
4	Nonlinear reconstruction. Physical Review D, 2017, 96, .	4.7	33
5	Method for Direct Measurement of Cosmic Acceleration by 21-cm Absorption Systems. Physical Review Letters, 2014, 113, 041303.	7.8	30
6	Isobaric Reconstruction of the Baryonic Acoustic Oscillation. Astrophysical Journal Letters, 2017, 841, L29.	8.3	27
7	An observed correlation between galaxy spins and initial conditions. Nature Astronomy, 2021, 5, 283-288.	10.1	26
8	Differential neutrino condensation onto cosmic structure. Nature Astronomy, 2017, 1, .	10.1	25
9	Probing Primordial Chirality with Galaxy Spins. Physical Review Letters, 2020, 124, 101302.	7.8	23
10	Simulating the cold dark matter-neutrino dipole with TianNu. Physical Review D, 2017, 95, .	4.7	22
11	CUBE: An Information-optimized Parallel Cosmological N-body Algorithm. Astrophysical Journal, Supplement Series, 2018, 237, 24.	7.7	18
12	Parity-odd neutrino torque detection. Physical Review D, 2019, 99, .	4.7	17
13	Increasing Fisher information by Potential Isobaric Reconstruction. Monthly Notices of the Royal Astronomical Society, 2017, 469, 1968-1973.	4.4	15
14	Neutrino effects on the morphology of cosmic large-scale structure. Physical Review D, 2020, 101, .	4.7	12
15	Simulating the Cosmic Neutrino Background Using Collisionless Hydrodynamics. Astrophysical Journal, Supplement Series, 2020, 250, 21.	7.7	11
16	Nonlinear <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>E</mml:mi></mml:math> -mode clustering in Lagrangian space. Physical Review D, 2017, 95, .	4.7	9
17	CUBE â€“ Towards an Optimal Scaling of Cosmological N-body Simulations. , 2020, , .		8
18	Observational search for primordial chirality violations using galaxy angular momenta. Physical Review D, 2022, 105, .	4.7	8

#	Article	IF	Citations
19	Information content in the angular power spectrum of weak lensing: wavelet method. Monthly Notices of the Royal Astronomical Society, 2011, , no-no.	4.4	6
20	Sensitivity tests of cosmic velocity fields to massive neutrinos. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3319-3330.	4.4	6
21	Optimizing the recovery of Fisher information in the dark matter power spectrum. Monthly Notices of the Royal Astronomical Society, 2013, 436, 759-773.	4.4	4
22	The Effect of Massive Neutrinos on the Position of Cold Dark Matter Halo: Revealed via the Delaunay Triangulation Void. Astrophysical Journal, 2018, 862, 60.	4.5	4
23	Spin mode reconstruction in Lagrangian space. Physical Review D, 2021, 103, .	4.7	4
24	Spin conservation of cosmic filaments. Physical Review D, 2022, 105, .	4.7	4
25	Correlating galaxy shapes and initial conditions: An observational study. Physical Review D, 2022, 105, .	4.7	3