Yi Mao

List of Publications by Year in descending order

24 papers	1,352 citations	567281 15 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	1038 citing authors

#	Article	IF	Citations
1	Simulation-based Inference of Reionization Parameters from 3D Tomographic 21 cm Light-cone Images. Astrophysical Journal, 2022, 926, 151.	4.5	27
2	The impact of inhomogeneous subgrid clumping on cosmic reionization â€“ II. Modelling stochasticity. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2443-2460.	4.4	12
3	Antisymmetric Cross-correlation between H i and CO Line Intensity Maps as a New Probe of Cosmic Reionization. Astrophysical Journal, 2021, 909, 51.	4.5	4
4	Investigating X-Ray Sources during the Epoch of Reionization with the 21 cm Signal. Astrophysical Journal, 2021, 912, 143.	4.5	12
5	Linear Polarization of the 21 cm Line from the Epoch of Reionization. Astrophysical Journal, 2021, 918, 14.	4.5	2
6	Extracting the astrophysics of reionization from the LyÎ± forest power spectrum: a first forecast. Monthly Notices of the Royal Astronomical Society, 2021, 508, 1262-1279.	4.4	5
7	The Breakdown Scale of H I Bias Linearity. Astrophysical Journal, 2021, 907, 4.	4.5	4
8	Lyâ€‰Î± forest power spectrum as an emerging window into the epoch of reionization and cosmic dawn. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1640-1651.	4.4	9
9	The impact of inhomogeneous subgrid clumping on cosmic reionization. Monthly Notices of the Royal Astronomical Society, 2020, 491, 1600-1621.	4.4	19
10	Signatures of cosmic reionization on the 21-cm two- and three-point correlation function I: quadratic bias modelling. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3050-3068.	4.4	17
11	Testing the scale-dependent hemispherical asymmetry with the 21-cm power spectrum from the epoch of reionization. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5564-5571.	4.4	6
12	Light cone effect on the reionization 21-cm signal â€“ II. Evolution, anisotropies and observational implications. Monthly Notices of the Royal Astronomical Society, 2014, 442, 1491-1506.	4.4	55
13	Simulating cosmic reionization: how large a volume is large enough?. Monthly Notices of the Royal Astronomical Society, 2014, 439, 725-743.	4.4	154
14	Will Nonlinear Peculiar Velocity and Inhomogeneous Reionization Spoil 21Âcm Cosmology from the Epoch of Reionization?. Physical Review Letters, 2013, 110, 151301.	7.8	24
15	The scale-dependent signature of primordial non-Gaussianity in the large-scale structure of cosmic reionization. Monthly Notices of the Royal Astronomical Society, 2013, 433, 2900-2919.	4.4	15
16	Primordial non-Gaussianity estimation using 21Âcm tomography from the epoch of reionization. Physical Review D, 2013, 88, .	4.7	19
17	DETECTING THE RISE AND FALL OF THE FIRST STARS BY THEIR IMPACT ON COSMIC REIONIZATION. Astrophysical Journal Letters, 2012, 756, L16.	8.3	96
18	Redshift-space distortion of the 21-cm background from the epoch of reionization - I. Methodology re-examined. Monthly Notices of the Royal Astronomical Society, 2012, 422, 926-954.	4.4	102

#	Article	IF	Citations
19	Can 21-cm observations discriminate between high-mass and low-mass galaxies as reionization sources?. Monthly Notices of the Royal Astronomical Society, 2012, 423, 2222-2253.	4.4	80
20	Light-cone effect on the reionization 21-cm power spectrum. Monthly Notices of the Royal Astronomical Society, 2012, 424, 1877-1891.	4.4	87
21	How accurately can 21Âcm tomography constrain cosmology?. Physical Review D, 2008, 78, .	4.7	202
22	Constraining<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 617 Td (stretchy="false">)</mml:mo></mml:math>.	4.7	314
23	Constraining torsion with Gravity Probe B. Physical Review D, 2007, 76, .	4.7	85
24	Estimation of H II Bubble Size Distribution from 21 cm Power Spectrum with Artificial Neural Networks. Research in Astronomy and Astrophysics, 0, , .	1.7	2