

Yi Mao

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,352
citations

567281

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642732

23
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docs citations

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times ranked

1038
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Constraining $f\sigma_8$ with the Ly α forest power spectrum. <i>Physical Review D</i> , 2008, 78, . | 4.7 | 202 |
| 2 | How accurately can 21-cm tomography constrain cosmology?. <i>Physical Review D</i> , 2008, 78, . | 4.7 | 202 |
| 3 | Simulating cosmic reionization: how large a volume is large enough?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 725-743. | 4.4 | 154 |
| 4 | Redshift-space distortion of the 21-cm background from the epoch of reionization - I. Methodology re-examined. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 926-954. | 4.4 | 102 |
| 5 | DETECTING THE RISE AND FALL OF THE FIRST STARS BY THEIR IMPACT ON COSMIC REIONIZATION. <i>Astrophysical Journal Letters</i> , 2012, 756, L16. | 8.3 | 96 |
| 6 | Light-cone effect on the reionization 21-cm power spectrum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 1877-1891. | 4.4 | 87 |
| 7 | Constraining torsion with Gravity Probe B. <i>Physical Review D</i> , 2007, 76, . | 4.7 | 85 |
| 8 | Can 21-cm observations discriminate between high-mass and low-mass galaxies as reionization sources?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 2222-2253. | 4.4 | 80 |
| 9 | Light cone effect on the reionization 21-cm signal II. Evolution, anisotropies and observational implications. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 1491-1506. | 4.4 | 55 |
| 10 | Simulation-based Inference of Reionization Parameters from 3D Tomographic 21 cm Light-cone Images. <i>Astrophysical Journal</i> , 2022, 926, 151. | 4.5 | 27 |
| 11 | Will Nonlinear Peculiar Velocity and Inhomogeneous Reionization Spoil 21-cm Cosmology from the Epoch of Reionization?. <i>Physical Review Letters</i> , 2013, 110, 151301. | 7.8 | 24 |
| 12 | Primordial non-Gaussianity estimation using 21-cm tomography from the epoch of reionization. <i>Physical Review D</i> , 2013, 88, . | 4.7 | 19 |
| 13 | The impact of inhomogeneous subgrid clumping on cosmic reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 1600-1621. | 4.4 | 19 |
| 14 | Signatures of cosmic reionization on the 21-cm two- and three-point correlation function I: quadratic bias modelling. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 3050-3068. | 4.4 | 17 |
| 15 | The scale-dependent signature of primordial non-Gaussianity in the large-scale structure of cosmic reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 2900-2919. | 4.4 | 15 |
| 16 | The impact of inhomogeneous subgrid clumping on cosmic reionization II. Modelling stochasticity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 2443-2460. | 4.4 | 12 |
| 17 | Investigating X-Ray Sources during the Epoch of Reionization with the 21 cm Signal. <i>Astrophysical Journal</i> , 2021, 912, 143. | 4.5 | 12 |
| 18 | Ly α forest power spectrum as an emerging window into the epoch of reionization and cosmic dawn. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 1640-1651. | 4.4 | 9 |

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|----|--|-----|-----------|
| 19 | Testing the scale-dependent hemispherical asymmetry with the 21-cm power spectrum from the epoch of reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 5564-5571. | 4.4 | 6 |
| 20 | Extracting the astrophysics of reionization from the Ly α forest power spectrum: a first forecast. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 1262-1279. | 4.4 | 5 |
| 21 | Antisymmetric Cross-correlation between H I and CO Line Intensity Maps as a New Probe of Cosmic Reionization. <i>Astrophysical Journal</i> , 2021, 909, 51. | 4.5 | 4 |
| 22 | The Breakdown Scale of H I Bias Linearity. <i>Astrophysical Journal</i> , 2021, 907, 4. | 4.5 | 4 |
| 23 | Linear Polarization of the 21 cm Line from the Epoch of Reionization. <i>Astrophysical Journal</i> , 2021, 918, 14. | 4.5 | 2 |
| 24 | Estimation of H II Bubble Size Distribution from 21 cm Power Spectrum with Artificial Neural Networks. <i>Research in Astronomy and Astrophysics</i> , 0, , . | 1.7 | 2 |