

Alexander Mead

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,795
citations

430442

18
h-index

525886

27
g-index

27
all docs

27
docs citations

27
times ranked

1549
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Joint constraints on cosmology and the impact of baryon feedback: Combining KiDS-1000 lensing with the thermal Sunyaev-Zeldovich effect from <i>Planck</i> and ACT. <i>Astronomy and Astrophysics</i> , 2022, 660, A27. | 2.1 | 32 |
| 2 | hmcode-2020: improved modelling of non-linear cosmological power spectra with baryonic feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 1401-1422. | 1.6 | 115 |
| 3 | Including beyond-linear halo bias in halo models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3095-3111. | 1.6 | 18 |
| 4 | KiDS-1000 Cosmology: Constraints beyond flat Λ CDM. <i>Astronomy and Astrophysics</i> , 2021, 649, A88. | 2.1 | 80 |
| 5 | Probing galaxy bias and intergalactic gas pressure with KiDS Galaxies+SZ-CMB lensing cross-correlations. <i>Astronomy and Astrophysics</i> , 2021, 651, A76. | 2.1 | 18 |
| 6 | Impact of cosmological signatures in two-point statistics beyond the linear regime. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 3284-3297. | 1.6 | 3 |
| 7 | Axion quark nugget dark matter: Time modulations and amplifications. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 8 |
| 8 | Probing hot gas around luminous red galaxies through the Sunyaev-Zeldovich effect. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 2318-2329. | 1.6 | 19 |
| 9 | An analysis of galaxy cluster mis-centring using cosmological hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1120-1129. | 1.6 | 11 |
| 10 | A hydrodynamical halo model for weak-lensing cross correlations. <i>Astronomy and Astrophysics</i> , 2020, 641, A130. | 2.1 | 39 |
| 11 | Galaxy cluster mass estimation with deep learning and hydrodynamical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 3445-3458. | 1.6 | 21 |
| 12 | On the road to 1% accuracy: non-linear reaction of the matter power spectrum to dark energy and modified gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 2121-2142. | 1.6 | 67 |
| 13 | Core Cosmology Library: Precision Cosmological Predictions for LSST. <i>Astrophysical Journal, Supplement Series</i> , 2019, 242, 2. | 3.0 | 130 |
| 14 | A search for warm/hot gas filaments between pairs of SDSS Luminous Red Galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 223-234. | 1.6 | 90 |
| 15 | Gravitationally trapped axions on the Earth. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 19 |
| 16 | KiDS-450 + 2dFLenS: Cosmological parameter constraints from weak gravitational lensing tomography and overlapping redshift-space galaxy clustering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 4894-4924. | 1.6 | 212 |
| 17 | Perturbative Gaussianizing transforms for cosmological fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 3190-3203. | 1.6 | 5 |
| 18 | CFHTLenS revisited: assessing concordance with Planck including astrophysical systematics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 2033-2052. | 1.6 | 185 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Spherical collapse, formation hysteresis and the deeply non-linear cosmological power spectrum. Monthly Notices of the Royal Astronomical Society, 2017, 464, 1282-1293. | 1.6 | 29 |
| 20 | KiDS-450: testing extensions to the standard cosmological model. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1259-1279. | 1.6 | 144 |
| 21 | Accurate halo-model matter power spectra with dark energy, massive neutrinos and modified gravitational forces. Monthly Notices of the Royal Astronomical Society, 2016, 459, 1468-1488. | 1.6 | 153 |
| 22 | Surface flux patterns on planets in circumbinary systems and potential for photosynthesis. International Journal of Astrobiology, 2015, 14, 465-478. | 0.9 | 30 |
| 23 | Unscreening Modified Gravity in the Matter Power Spectrum. Physical Review Letters, 2015, 114, 251101. | 2.9 | 34 |
| 24 | An accurate halo model for fitting non-linear cosmological power spectra and baryonic feedback models. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1958-1975. | 1.6 | 279 |
| 25 | Rapid simulation rescaling from standard to modified gravity models. Monthly Notices of the Royal Astronomical Society, 2015, 452, 4203-4221. | 1.6 | 21 |
| 26 | Remapping simulated halo catalogues in redshift space. Monthly Notices of the Royal Astronomical Society, 2014, 445, 3453-3465. | 1.6 | 8 |
| 27 | Remapping dark matter halo catalogues between cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2014, 440, 1233-1247. | 1.6 | 25 |