

Xiaohu Yang

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

6,626
citations

87888

38
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60623

81
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103
all docs

103
docs citations

103
times ranked

3614
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Cross-correlation of Planck cosmic microwave background lensing with DESI galaxy groups. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3548-3560. | 4.4 | 8 |
| 2 | The Color Gradients of the Globular Cluster Systems in M87 and M49. Astrophysical Journal, 2022, 926, 149. | 4.5 | 1 |
| 3 | Detection of pairwise kSZ effect with DESI galaxy clusters and Planck. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5916-5928. | 4.4 | 12 |
| 4 | The Universal Specific Merger Rate of Dark Matter Halos. Astrophysical Journal, 2022, 929, 120. | 4.5 | 5 |
| 5 | First measurement of the characteristic depletion radius of dark matter haloes from weak lensing. Monthly Notices of the Royal Astronomical Society, 2022, 513, 4754-4769. | 4.4 | 7 |
| 6 | Massive star-forming galaxies have converted most of their halo gas into stars. Astronomy and Astrophysics, 2022, 663, A85. | 5.1 | 13 |
| 7 | <scp>The Three Hundred</scp> project: The <scp>gizmo-simba</scp> run. Monthly Notices of the Royal Astronomical Society, 2022, 514, 977-996. | 4.4 | 31 |
| 8 | What to expect from dynamical modelling of cluster haloes â€“ II. Investigating dynamical state indicators with Random Forest. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5890-5904. | 4.4 | 6 |
| 9 | Groups and Protocluster Candidates in the CLAUDS and HSC-SSP Joint Deep Surveys. Astrophysical Journal, 2022, 933, 9. | 4.5 | 9 |
| 10 | An Extended Halo-based Group/Cluster Finder: Application to the DESI Legacy Imaging Surveys DR8. Astrophysical Journal, 2021, 909, 143. | 4.5 | 44 |
| 11 | Emergent Gravity Fails to Explain Color-dependent Galaxyâ€™Galaxy Lensing Signal from SDSS DR7. Astrophysical Journal, 2021, 914, 96. | 4.5 | 3 |
| 12 | Does concentration drive the scatter in the stellar-to-halo mass relation of galaxy clusters?. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5117-5128. | 4.4 | 20 |
| 13 | What to expect from dynamical modelling of cluster haloes â€“ I. The information content of different dynamical tracers. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3907-3922. | 4.4 | 9 |
| 14 | The origin of galaxy colour bimodality in the scatter of the stellar-to-halo mass relation. Nature Astronomy, 2021, 5, 1069-1076. | 10.1 | 33 |
| 15 | The clustering of galaxies in the DESI imaging legacy surveys DR8: I. The luminosity and color dependent intrinsic clustering. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1. | 5.1 | 6 |
| 16 | An Empirical Determination of the Dependence of the Circumgalactic Mass Cooling Rate and Feedback Mass Loading Factor on Galactic Stellar Mass. Astrophysical Journal, 2021, 916, 101. | 4.5 | 5 |
| 17 | MAHGIC: a Model Adapter for the Haloâ€™Galaxy Inter-Connection. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2510-2530. | 4.4 | 6 |
| 18 | The Observed Cosmic Star Formation Rate Density Has an Evolution that Resembles a $\hat{\Gamma}$ (a, bt) Distribution and Can Be Described Successfully by Only Two Parameters. Astrophysical Journal, 2021, 919, 88. | 4.5 | 10 |

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|----|--|-----|-----------|
| 19 | Connections between galaxy properties and halo formation time in the cosmic web. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5320-5330. | 4.4 | 6 |
| 20 | The Breakdown Scale of H I Bias Linearity. Astrophysical Journal, 2021, 907, 4. | 4.5 | 4 |
| 21 | Detection of a Cross-correlation between Cosmic Microwave Background Lensing and Low-density Points. Astrophysical Journal, 2021, 923, 153. | 4.5 | 7 |
| 22 | H α Emission and the Dependence of the Circumgalactic Cool Gas Fraction on Halo Mass. Astrophysical Journal, 2020, 888, 33. | 4.5 | 2 |
| 23 | The Three Hundred project: the stellar and gas profiles. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2930-2948. | 4.4 | 24 |
| 24 | The specific star formation rate function at different mass scales and quenching: a comparison between cosmological models and SDSS. Monthly Notices of the Royal Astronomical Society, 2020, 500, 2036-2048. | 4.4 | 19 |
| 25 | Galaxy "group (halo) alignments from SDSS DR7 and the ELUCID simulation. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1895-1904. | 4.4 | 5 |
| 26 | Observing the Effects of Galaxy Interactions on the Circumgalactic Medium. Astrophysical Journal Letters, 2020, 893, L3. | 8.3 | 4 |
| 27 | UV and U-band luminosity functions from CLAUDS and HSC-SSP I. Using four million galaxies to simultaneously constrain the very faint and bright regimes to $z \lesssim 3$. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1894-1918. | 4.4 | 32 |
| 28 | The Dearth of Differences between Central and Satellite Galaxies. III. Environmental Dependencies of Mass-Size and Mass-Structure Relations. Astrophysical Journal, 2020, 889, 37. | 4.5 | 10 |
| 29 | Measuring the integrated Sachs-Wolfe effect from the low-density regions of the universe. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3838-3853. | 4.4 | 11 |
| 30 | Detection of Missing Baryons in Galaxy Groups with Kinetic Sunyaev-Zeldovich Effect. Astrophysical Journal, 2020, 889, 48. | 4.5 | 33 |
| 31 | Relating the Structure of Dark Matter Halos to Their Assembly and Environment. Astrophysical Journal, 2020, 899, 81. | 4.5 | 22 |
| 32 | The Next Generation Virgo Cluster Survey. XXXIV. Ultracompact Dwarf Galaxies in the Virgo Cluster. Astrophysical Journal, Supplement Series, 2020, 250, 17. | 7.7 | 11 |
| 33 | The Parameter-free Finger-of-God Model and Its Application to 21 cm Intensity Mapping. Astrophysical Journal, 2020, 895, 34. | 4.5 | 2 |
| 34 | A Large Massive Quiescent Galaxy Sample at $z \sim 1.2$. Astrophysical Journal, 2020, 905, 103. | 4.5 | 1 |
| 35 | The Morphological Transformation and the Quenching of Galaxies. Astrophysical Journal, 2019, 878, 69. | 4.5 | 20 |
| 36 | New perspectives on the BOSS small-scale lensing discrepancy for the Planck Λ CDM cosmology. Monthly Notices of the Royal Astronomical Society, 2019, 488, 5771-5787. | 4.4 | 28 |

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|----|--|-----|-----------|
| 37 | Toward a Model-independent Measurement of the Halo Mass Function with Observables. <i>Astrophysical Journal</i> , 2019, 883, 155. | 4.5 | 6 |
| 38 | Accurate Modeling of the Projected Galaxy Clustering in Photometric Surveys. I. Tests with Mock Catalogs. <i>Astrophysical Journal</i> , 2019, 879, 71. | 4.5 | 6 |
| 39 | Evolution of Star-forming Galaxies from $z \approx 0.7$ to 1.2 with eBOSS Emission-line Galaxies. <i>Astrophysical Journal</i> , 2019, 871, 147. | 4.5 | 32 |
| 40 | Using the Modified Nearest Neighbor Method to Correct Fiber-collision Effects on Galaxy Clustering. <i>Astrophysical Journal</i> , 2019, 872, 26. | 4.5 | 7 |
| 41 | ELUCID. VI. Cosmic Variance of the Galaxy Distribution in the Local Universe. <i>Astrophysical Journal</i> , 2019, 872, 180. | 4.5 | 20 |
| 42 | Constraining Dark Energy with Stacked Concave Lenses. <i>Astrophysical Journal</i> , 2019, 874, 7. | 4.5 | 10 |
| 43 | Full-sky Ray-tracing Simulation of Weak Lensing Using ELUCID Simulations: Exploring Galaxy Intrinsic Alignment and Cosmic Shear Correlations. <i>Astrophysical Journal</i> , 2018, 853, 25. | 4.5 | 17 |
| 44 | Gas Contents of Galaxy Groups from Thermal Sunyaev-Zeldovich Effects. <i>Astrophysical Journal</i> , 2018, 854, 181. | 4.5 | 29 |
| 45 | ELUCID. IV. Galaxy Quenching and its Relation to Halo Mass, Environment, and Assembly Bias. <i>Astrophysical Journal</i> , 2018, 852, 31. | 4.5 | 52 |
| 46 | The Dearth of Difference between Central and Satellite Galaxies. I. Perspectives on Star Formation Quenching and AGN Activities. <i>Astrophysical Journal</i> , 2018, 860, 102. | 4.5 | 30 |
| 47 | The Incomplete Conditional Stellar Mass Function: Unveiling the Stellar Mass Functions of Galaxies at $0.1 < Z < 0.8$ from BOSS Observations. <i>Astrophysical Journal</i> , 2018, 858, 30. | 4.5 | 31 |
| 48 | The Dearth of Differences between Central and Satellite Galaxies. II. Comparison of Observations with L-GALAXIES and EAGLE in Star Formation Quenching. <i>Astrophysical Journal</i> , 2018, 864, 51. | 4.5 | 13 |
| 49 | Galaxy-Galaxy Weak-lensing Measurements from SDSS. II. Host Halo Properties of Galaxy Groups. <i>Astrophysical Journal</i> , 2018, 862, 4. | 4.5 | 26 |
| 50 | ELUCID. V. Lighting Dark Matter Halos with Galaxies. <i>Astrophysical Journal</i> , 2018, 860, 30. | 4.5 | 17 |
| 51 | Mapping the Real Space Distributions of Galaxies in SDSS DR7. II. Measuring the Growth Rate, Clustering Amplitude of Matter, and Biases of Galaxies at Redshift 0.1. <i>Astrophysical Journal</i> , 2018, 861, 137. | 4.5 | 43 |
| 52 | The Three Hundred project: a large catalogue of theoretically modelled galaxy clusters for cosmological and astrophysical applications. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 2898-2915. | 4.4 | 131 |
| 53 | Exploring the thermal energy contents of the intergalactic medium with the Sunyaev-Zeldovich effect. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 4017-4024. | 4.4 | 11 |
| 54 | Galaxy-Galaxy Weak-lensing Measurements from SDSS. I. Image Processing and Lensing Signals. <i>Astrophysical Journal</i> , 2017, 836, 38. | 4.5 | 13 |

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|----|--|-----|-----------|
| 55 | Revealing the Cosmic Web-dependent Halo Bias. <i>Astrophysical Journal</i> , 2017, 848, 60. | 4.5 | 17 |
| 56 | Galaxy groups in the low-redshift Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 2982-3005. | 4.4 | 84 |
| 57 | MAPPING THE REAL-SPACE DISTRIBUTIONS OF GALAXIES IN SDSS DR7. I. TWO-POINT CORRELATION FUNCTIONS. <i>Astrophysical Journal</i> , 2016, 833, 241. | 4.5 | 23 |
| 58 | ELUCIDATE EXPLORING THE LOCAL UNIVERSE WITH RECONSTRUCTED INITIAL DENSITY FIELD. III. CONSTRAINED SIMULATION IN THE SDSS VOLUME. <i>Astrophysical Journal</i> , 2016, 831, 164. | 4.5 | 101 |
| 59 | Halo Mass Estimation for Galaxy Groups: The Role Of Magnitude Gaps. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 332-333. | 0.0 | 0 |
| 60 | Star formation and stellar mass assembly in dark matter haloes: from giants to dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 1604-1617. | 4.4 | 38 |
| 61 | THE STELLAR-TO-HALO MASS RELATION OF LOCAL GALAXIES SEGREGATES BY COLOR. <i>Astrophysical Journal</i> , 2015, 799, 130. | 4.5 | 100 |
| 62 | First galaxy-galaxy lensing measurement of satellite halo mass in the CFHT Stripe-82 Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 2864-2870. | 4.4 | 34 |
| 63 | An empirical model for the star formation history in dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 1294-1312. | 4.4 | 61 |
| 64 | ELUCIDATE EXPLORING THE LOCAL UNIVERSE WITH THE RECONSTRUCTED INITIAL DENSITY FIELD. I. HAMILTONIAN MARKOV CHAIN MONTE CARLO METHOD WITH PARTICLE MESH DYNAMICS. <i>Astrophysical Journal</i> , 2014, 794, 94. | 4.5 | 121 |
| 65 | BRIGHTEST SATELLITE GALAXY ALIGNMENT OF SLOAN DIGITAL SKY SURVEY GALAXY GROUPS. <i>Astrophysical Journal</i> , 2013, 768, 20. | 4.5 | 22 |
| 66 | Cosmological constraints from a combination of galaxy clustering and lensing III. Application to SDSS data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 767-786. | 4.4 | 146 |
| 67 | Cosmological constraints from a combination of galaxy clustering and lensing I. Theoretical framework. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 725-746. | 4.4 | 178 |
| 68 | Detection of galaxy assembly bias. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 515-520. | 4.4 | 63 |
| 69 | RECONSTRUCTING THE INITIAL DENSITY FIELD OF THE LOCAL UNIVERSE: METHODS AND TESTS WITH MOCK CATALOGS. <i>Astrophysical Journal</i> , 2013, 772, 63. | 4.5 | 62 |
| 70 | CONSTRAINING THE STAR FORMATION HISTORIES IN DARK MATTER HALOS. I. CENTRAL GALAXIES. <i>Astrophysical Journal</i> , 2013, 770, 115. | 4.5 | 46 |
| 71 | Cosmological constraints from a combination of galaxy clustering and lensing II. Fisher matrix analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 747-766. | 4.4 | 56 |
| 72 | EVOLUTION OF THE GALAXY-DARK MATTER CONNECTION AND THE ASSEMBLY OF GALAXIES IN DARK MATTER HALOS. <i>Astrophysical Journal</i> , 2012, 752, 41. | 4.5 | 257 |

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|----|---|-----|-----------|
| 73 | BULK FLOW OF HALOS IN Λ CDM SIMULATION. <i>Astrophysical Journal</i> , 2012, 761, 151. | 4.5 | 22 |
| 74 | Reconstructing the cosmic velocity and tidal fields with galaxy groups selected from the Sloan Digital Sky Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 1809-1824. | 4.4 | 71 |
| 75 | AN ANALYTICAL MODEL FOR THE ACCRETION OF DARK MATTER SUBHALOS. <i>Astrophysical Journal</i> , 2011, 741, 13. | 4.5 | 51 |
| 76 | Satellite kinematics - III. Halo masses of central galaxies in SDSS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 210-226. | 4.4 | 238 |
| 77 | Internal properties and environments of dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 1973-1990. | 4.4 | 88 |
| 78 | Low power integrated fluxgate sensor with a spiral magnetic core. <i>Microsystem Technologies</i> , 2011, 17, 1697-1702. | 2.0 | 0 |
| 79 | Reconstructing the cosmic density field with the distribution of dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 394, 398-414. | 4.4 | 67 |
| 80 | GALAXY GROUPS IN THE SDSS DR4. III. THE LUMINOSITY AND STELLAR MASS FUNCTIONS. <i>Astrophysical Journal</i> , 2009, 695, 900-916. | 4.5 | 251 |
| 81 | The importance of satellite quenching for the build-up of the red sequence of present-day galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 387, 79-91. | 4.4 | 382 |
| 82 | Galaxy Groups in the SDSS DR4. II. Halo Occupation Statistics. <i>Astrophysical Journal</i> , 2008, 676, 248-261. | 4.5 | 253 |
| 83 | Three Different Types of Galaxy Alignment within Dark Matter Halos. <i>Astrophysical Journal</i> , 2007, 662, L71-L74. | 4.5 | 87 |
| 84 | The Cross-Correlation between Galaxies of Different Luminosities and Colors. <i>Astrophysical Journal</i> , 2007, 664, 608-632. | 4.5 | 52 |
| 85 | Galaxy Groups in the SDSS DR4. I. The Catalog and Basic Properties. <i>Astrophysical Journal</i> , 2007, 671, 153-170. | 4.5 | 757 |
| 86 | Towards a concordant model of halo occupation statistics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 376, 841-860. | 4.4 | 237 |
| 87 | The alignment between satellites and central galaxies: theory versus observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 378, 1531-1542. | 4.4 | 62 |
| 88 | The alignment between the distribution of satellites and the orientation of their central galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 369, 1293-1302. | 4.4 | 141 |
| 89 | Weak lensing by galaxies in groups and clusters " I. Theoretical expectations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 373, 1159-1172. | 4.4 | 75 |
| 90 | Cold gas in dark matter halos and the formation of late-type galaxies. <i>Proceedings of the International Astronomical Union</i> , 2005, 1, 205-212. | 0.0 | 0 |

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|-----|---|-----|-----------|
| 91 | A halo-based galaxy group finder: calibration and application to the 2dFGRS. Monthly Notices of the Royal Astronomical Society, 2005, 356, 1293-1307. | 4.4 | 343 |
| 92 | The two-point correlation of galaxy groups: probing the clustering of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2005, 357, 608-618. | 4.4 | 44 |
| 93 | The cross-correlation between galaxies and groups: probing the galaxy distribution in and around dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2005, 362, 711-726. | 4.4 | 86 |
| 94 | Populating dark matter haloes with galaxies: comparing the 2dFGRS with mock galaxy redshift surveys. Monthly Notices of the Royal Astronomical Society, 2004, 350, 1153-1173. | 4.4 | 98 |
| 95 | The three-point correlation function of galaxies: comparing halo occupation models with observations. Monthly Notices of the Royal Astronomical Society, 2004, 353, 287-300. | 4.4 | 59 |
| 96 | Constraining galaxy formation and cosmology with the conditional luminosity function of galaxies. Monthly Notices of the Royal Astronomical Society, 2003, 339, 1057-1080. | 4.4 | 515 |
| 97 | Linking early- and late-type galaxies to their dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2003, 340, 771-792. | 4.4 | 219 |
| 98 | Measuring the Galaxy Power Spectrum with Multiresolution Decomposition. IV. Redshift Distortion. Astrophysical Journal, 2002, 566, 630-640. | 4.5 | 7 |
| 99 | The DWT power spectrum analysis of the large scale structure in the universe : Method and simulation tests. Science in China Series A: Mathematics, 2001, 44, 669-680. | 0.5 | 0 |
| 100 | The CFHT Large Area U-band Deep Survey (CLAUDS). Monthly Notices of the Royal Astronomical Society, 0, , . | 4.4 | 48 |