Xiaohu Yang

List of Publications by Year
in descending order

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100 papers	6,626 citations	87888 38 h-index	60623 81 g-index
103 all docs	103 docs citations	103 times ranked	3614 citing authors

#	Article	IF	Citations
1	Galaxy Groups in the SDSS DR4. I. The Catalog and Basic Properties. Astrophysical Journal, 2007, 671, 153-170.	4.5	757
2	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
3	The importance of satellite quenching for the build-up of the red sequence of present-day galaxies. Monthly Notices of the Royal Astronomical Society, 2008, 387, 79-91.	4.4	382
4	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
5	EVOLUTION OF THE GALAXYâ€“DARK MATTER CONNECTION AND THE ASSEMBLY OF GALAXIES IN DARK MATTER HALOS. Astrophysical Journal, 2012, 752, 41.	4.5	257
6	Galaxy Groups in the SDSS DR4. II. Halo Occupation Statistics. Astrophysical Journal, 2008, 676, 248-261.	4.5	253
7	GALAXY GROUPS IN THE SDSS DR4. III. THE LUMINOSITY AND STELLAR MASS FUNCTIONS. Astrophysical Journal, 2009, 695, 900-916.	4.5	251
8	Satellite kinematics - III. Halo masses of central galaxies in SDSS. Monthly Notices of the Royal Astronomical Society, 2011, 410, 210-226.	4.4	238
9	Towards a concordant model of halo occupation statistics. Monthly Notices of the Royal Astronomical Society, 2007, 376, 841-860.	4.4	237
10	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
11	Cosmological constraints from a combination of galaxy clustering and lensing â€“ I. Theoretical framework. Monthly Notices of the Royal Astronomical Society, 2013, 430, 725-746.	4.4	178
12	Cosmological constraints from a combination of galaxy clustering and lensing â€“ III. Application to SDSS data. Monthly Notices of the Royal Astronomical Society, 2013, 430, 767-786.	4.4	146
13	The alignment between the distribution of satellites and the orientation of their central galaxy. Monthly Notices of the Royal Astronomical Society, 2006, 369, 1293-1302.	4.4	141
14	The Three Hundred project: a large catalogue of theoretically modelled galaxy clusters for cosmological and astrophysical applications. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2898-2915.	4.4	131
15	ELUCIDâ€”EXPLORING THE LOCAL UNIVERSE WITH THE RECONSTRUCTED INITIAL DENSITY FIELD. I. HAMILTONIAN MARKOV CHAIN MONTE CARLO METHOD WITH PARTICLE MESH DYNAMICS. Astrophysical Journal, 2014, 794, 94.	4.5	121
16	ELUCIDâ€”EXPLORING THE LOCAL UNIVERSE WITH RECONSTRUCTED INITIAL DENSITY FIELD. III. CONSTRAINED SIMULATION IN THE SDSS VOLUME. Astrophysical Journal, 2016, 831, 164.	4.5	101
17	THE STELLAR-TO-HALO MASS RELATION OF LOCAL GALAXIES SEGREGATES BY COLOR. Astrophysical Journal, 2015, 799, 130.	4.5	100
18	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

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19	Internal properties and environments of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2011, 413, 1973-1990.	4.4	88
20	Three Different Types of Galaxy Alignment within Dark Matter Halos. Astrophysical Journal, 2007, 662, L71-L74.	4.5	87
21	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
22	Galaxy groups in the low-redshift Universe. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2982-3005.	4.4	84
23	Weak lensing by galaxies in groups and clusters â€“ I. Theoretical expectations. Monthly Notices of the Royal Astronomical Society, 2006, 373, 1159-1172.	4.4	75
24	Reconstructing the cosmic velocity and tidal fields with galaxy groups selected from the Sloan Digital Sky Survey. Monthly Notices of the Royal Astronomical Society, 2012, 420, 1809-1824.	4.4	71
25	Reconstructing the cosmic density field with the distribution of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2009, 394, 398-414.	4.4	67
26	Detection of galaxy assembly bias. Monthly Notices of the Royal Astronomical Society, 2013, 433, 515-520.	4.4	63
27	The alignment between satellites and central galaxies: theory versus observations. Monthly Notices of the Royal Astronomical Society, 2007, 378, 1531-1542.	4.4	62
28	RECONSTRUCTING THE INITIAL DENSITY FIELD OF THE LOCAL UNIVERSE: METHODS AND TESTS WITH MOCK CATALOGS. Astrophysical Journal, 2013, 772, 63.	4.5	62
29	An empirical model for the star formation history in dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2014, 439, 1294-1312.	4.4	61
30	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
31	Cosmological constraints from a combination of galaxy clustering and lensing â€“ II. Fisher matrix analysis. Monthly Notices of the Royal Astronomical Society, 2013, 430, 747-766.	4.4	56
32	The Crossâ€Correlation between Galaxies of Different Luminosities and Colors. Astrophysical Journal, 2007, 664, 608-632.	4.5	52
33	ELUCID. IV. Galaxy Quenching and its Relation to Halo Mass, Environment, and Assembly Bias. Astrophysical Journal, 2018, 852, 31.	4.5	52
34	AN ANALYTICAL MODEL FOR THE ACCRETION OF DARK MATTER SUBHALOS. Astrophysical Journal, 2011, 741, 13.	4.5	51
35	The CFHT Large Area U-band Deep Survey (CLAUDS). Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	48
36	CONSTRAINING THE STAR FORMATION HISTORIES IN DARK MATTER HALOS. I. CENTRAL GALAXIES. Astrophysical Journal, 2013, 770, 115.	4.5	46

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37	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
38	An Extended Halo-based Group/Cluster Finder: Application to the DESI Legacy Imaging Surveys DR8. Astrophysical Journal, 2021, 909, 143.	4.5	44
39	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. Astrophysical Journal, 2018, 861, 137.	4.5	43
40	Star formation and stellar mass assembly in dark matter haloes: from giants to dwarfs. Monthly Notices of the Royal Astronomical Society, 2015, 450, 1604-1617.	4.4	38
41	First galaxyâ€“galaxy lensing measurement of satellite halo mass in the CFHT Stripe-82 Survey. Monthly Notices of the Royal Astronomical Society, 2014, 438, 2864-2870.	4.4	34
42	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
43	Detection of Missing Baryons in Galaxy Groups with Kinetic Sunyaevâ€“Zelâ€™dovich Effect. Astrophysical Journal, 2020, 889, 48.	4.5	33
44	Evolution of Star-forming Galaxies from zÂ=Â0.7 to 1.2 with eBOSS Emission-line Galaxies. Astrophysical Journal, 2019, 871, 147.	4.5	32
45	UVÂand U-band luminosity functions from CLAUDS and HSC-SSP â€“ I. Using four million galaxies to simultaneously constrain the very faint and bright regimes to z âˆ¼ 3. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1894-1918.	4.4	32
46	The Incomplete Conditional Stellar Mass Function: Unveiling the Stellar Mass Functions of Galaxies at 0.1 < Z < 0.8 from BOSS Observations. Astrophysical Journal, 2018, 858, 30.	4.5	31
47	<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
48	The Dearth of Difference between Central and Satellite Galaxies. I. Perspectives on Star Formation Quenching and AGN Activities. Astrophysical Journal, 2018, 860, 102.	4.5	30
49	Gas Contents of Galaxy Groups from Thermal Sunyaevâ€“Zelâ€™dovich Effects. Astrophysical Journal, 2018, 854, 181.	4.5	29
50	New perspectives on the BOSS small-scale lensing discrepancy for the Planck Î›CDM cosmology. Monthly Notices of the Royal Astronomical Society, 2019, 488, 5771-5787.	4.4	28
51	Galaxyâ€“Galaxy Weak-lensing Measurements from SDSS. II. Host Halo Properties of Galaxy Groups. Astrophysical Journal, 2018, 862, 4.	4.5	26
52	The Three Hundred project: the stellar and gas profiles. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2930-2948.	4.4	24
53	MAPPING THE REAL-SPACE DISTRIBUTIONS OF GALAXIES IN SDSS DR7. I. TWO-POINT CORRELATION FUNCTIONS. Astrophysical Journal, 2016, 833, 241.	4.5	23
54	BULK FLOW OF HALOS IN Î›CDM SIMULATION. Astrophysical Journal, 2012, 761, 151.	4.5	22

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55	BRIGHTEST SATELLITE GALAXY ALIGNMENT OF SLOAN DIGITAL SKY SURVEY GALAXY GROUPS. Astrophysical Journal, 2013, 768, 20.	4.5	22
56	Relating the Structure of Dark Matter Halos to Their Assembly and Environment. Astrophysical Journal, 2020, 899, 81.	4.5	22
57	The Morphological Transformation and the Quenching of Galaxies. Astrophysical Journal, 2019, 878, 69.	4.5	20
58	ELUCID. VI. Cosmic Variance of the Galaxy Distribution in the Local Universe. Astrophysical Journal, 2019, 872, 180.	4.5	20
59	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
60	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
61	Revealing the Cosmic Web-dependent Halo Bias. Astrophysical Journal, 2017, 848, 60.	4.5	17
62	Full-sky Ray-tracing Simulation of Weak Lensing Using ELUCID Simulations: Exploring Galaxy Intrinsic Alignment and Cosmic Shear Correlations. Astrophysical Journal, 2018, 853, 25.	4.5	17
63	ELUCID. V. Lighting Dark Matter Halos with Galaxies. Astrophysical Journal, 2018, 860, 30.	4.5	17
64	Galaxyâ€“Galaxy Weak-lensing Measurements from SDSS. I. Image Processing and Lensing Signals. Astrophysical Journal, 2017, 836, 38.	4.5	13
65	The Dearth of Differences between Central and Satellite Galaxies. II. Comparison of Observations with L-GALAXIES and EAGLE in Star Formation Quenching. Astrophysical Journal, 2018, 864, 51.	4.5	13
66	Massive star-forming galaxies have converted most of their halo gas into stars. Astronomy and Astrophysics, 2022, 663, A85.	5.1	13
67	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
68	Exploring the thermal energy contents of the intergalactic mediumwith the Sunyaevâ€“Zeldovich effect. Monthly Notices of the Royal Astronomical Society, 2018, 480, 4017-4024.	4.4	11
69	Measuring the integrated Sachsâ€“Wolfe effect from the low-density regions of the universe. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3838-3853.	4.4	11
70	The Next Generation Virgo Cluster Survey. XXXIV. Ultracompact Dwarf Galaxies in the Virgo Cluster. Astrophysical Journal, Supplement Series, 2020, 250, 17.	7.7	11
71	Constraining Dark Energy with Stacked Concave Lenses. Astrophysical Journal, 2019, 874, 7.	4.5	10
72	The Dearth of Differences between Central and Satellite Galaxies. III. Environmental Dependencies of Massâ€“Size and Massâ€“Structure Relations. Astrophysical Journal, 2020, 889, 37.	4.5	10

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73	The Observed Cosmic Star Formation Rate Density Has an Evolution that Resembles a Î“(a, bt) Distribution and Can Be Described Successfully by Only Two Parameters. Astrophysical Journal, 2021, 919, 88.	4.5	10
74	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
75	Groups and Protocluster Candidates in the CLAUDS and HSC-SSP Joint Deep Surveys. Astrophysical Journal, 2022, 933, 9.	4.5	9
76	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
77	Using the Modified Nearest Neighbor Method to Correct Fiber-collision Effects on Galaxy Clustering. Astrophysical Journal, 2019, 872, 26.	4.5	7
78	Measuring the Galaxy Power Spectrum with Multiresolution Decomposition. IV. Redshift Distortion. Astrophysical Journal, 2002, 566, 630-640.	4.5	7
79	Detection of a Cross-correlation between Cosmic Microwave Background Lensing and Low-density Points. Astrophysical Journal, 2021, 923, 153.	4.5	7
80	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
81	Toward a Model-independent Measurement of the Halo Mass Function with Observables. Astrophysical Journal, 2019, 883, 155.	4.5	6
82	Accurate Modeling of the Projected Galaxy Clustering in Photometric Surveys. I. Tests with Mock Catalogs. Astrophysical Journal, 2019, 879, 71.	4.5	6
83	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
84	MAHGIC: a Model Adapter for the Haloâ€“Galaxy Inter-Connection. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2510-2530.	4.4	6
85	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
86	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
87	Galaxyâ€“group (halo) alignments from SDSS DR7 and the ELUCID simulation. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1895-1904.	4.4	5
88	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
89	The Universal Specific Merger Rate of Dark Matter Halos. Astrophysical Journal, 2022, 929, 120.	4.5	5
90	Observing the Effects of Galaxy Interactions on the Circumgalactic Medium. Astrophysical Journal Letters, 2020, 893, L3.	8.3	4

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91	The Breakdown Scale of H I Bias Linearity. Astrophysical Journal, 2021, 907, 4.	4.5	4
92	Emergent Gravity Fails to Explain Color-dependent Galaxyâ€“Galaxy Lensing Signal from SDSS DR7. Astrophysical Journal, 2021, 914, 96.	4.5	3
93	HÎ± Emission and the Dependence of the Circumgalactic Cool Gas Fraction on Halo Mass. Astrophysical Journal, 2020, 888, 33.	4.5	2
94	The Parameter-free Finger-of-God Model and Its Application to 21 cm Intensity Mapping. Astrophysical Journal, 2020, 895, 34.	4.5	2
95	A Large Massive Quiescent Galaxy Sample at zÂâˆ¼Â1.2. Astrophysical Journal, 2020, 905, 103.	4.5	1
96	The Color Gradients of the Globular Cluster Systems in M87 and M49. Astrophysical Journal, 2022, 926, 149.	4.5	1
97	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
98	Cold gas in dark matter halos and the formation of late-type galaxies. Proceedings of the International Astronomical Union, 2005, 1, 205-212.	0.0	0
99	Low power integrated fluxgate sensor with a spiral magnetic core. Microsystem Technologies, 2011, 17, 1697-1702.	2.0	0
100	Halo Mass Estimation for Galaxy Groups: The Role Of Magnitude Gaps. Proceedings of the International Astronomical Union, 2015, 11, 332-333.	0.0	0