Jiaxin Han

List of Publications by Year
in descending order

51 papers	1,967 citations	257450 24 h-index	243625 44 g-index
52 all docs	52 docs citations	52 times ranked	2071 citing authors

#	Article	IF	Citations
1	EVOLUTION OF THE GALAXYâ€“DARK MATTER CONNECTION AND THE ASSEMBLY OF GALAXIES IN DARK MATTER HALOS. Astrophysical Journal, 2012, 752, 41.	4.5	257
2	Structure finding in cosmological simulations: the state of affairs. Monthly Notices of the Royal Astronomical Society, 2013, 435, 1618-1658.	4.4	138
3	Subhaloes going Notts: the subhalo-finder comparison project. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1200-1214.	4.4	132
4	Estimating the dark matter halo mass of our Milky Way using dynamical tracers. Monthly Notices of the Royal Astronomical Society, 2015, 453, 377-400.	4.4	99
5	A unified model for the spatial and mass distribution of subhaloes. Monthly Notices of the Royal Astronomical Society, 2016, 457, 1208-1223.	4.4	96
6	Sussing Merger Trees: The Merger Trees Comparison Project. Monthly Notices of the Royal Astronomical Society, 2013, 436, 150-162.	4.4	80
7	Planes of satellite galaxies: when exceptions are the rule. Monthly Notices of the Royal Astronomical Society, 2015, 452, 3838-3852.	4.4	79
8	Galaxy And Mass Assembly (GAMA): the halo mass of galaxy groups from maximum-likelihood weak lensing. Monthly Notices of the Royal Astronomical Society, 2015, 446, 1356-1379.	4.4	72
9	The mass of our Milky Way. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	69
10	Resolving subhaloesâ€™ lives with the Hierarchical Bound-Tracing algorithm. Monthly Notices of the Royal Astronomical Society, 2012, 427, 2437-2449.	4.4	68
11	Constraining extended gamma-ray emission from galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2012, 427, 1651-1665.	4.4	58
12	hbt+: an improved code for finding subhaloes and building merger trees in cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2018, 474, 604-617.	4.4	58
13	Major mergers going Notts: challenges for modern halo finders. Monthly Notices of the Royal Astronomical Society, 2015, 454, 3020-3029.	4.4	52
14	The multidimensional dependence of halo bias in the eye of a machine: a tale of halo structure, assembly, and environment. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1900-1919.	4.4	42
15	Exploring the liminality: properties of haloes and subhaloes in borderlinef(R) gravity. Monthly Notices of the Royal Astronomical Society, 2015, 452, 3179-3191.	4.4	39
16	Constraining the Milky Way Mass Profile with Phase-space Distribution of Satellite Galaxies. Astrophysical Journal, 2020, 894, 10.	4.5	38
17	SUSSING MERGER TREES: the influence of the halo finder. Monthly Notices of the Royal Astronomical Society, 2014, 441, 3488-3501.	4.4	36
18	StarGO: A New Method to Identify the Galactic Origins of Halo Stars. Astrophysical Journal, 2018, 863, 26.	4.5	36

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19	A weak gravitational lensing recalibration of the scaling relations linking the gas properties of dark haloes to their mass. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2301-2320.	4.4	33
20	Streams going Notts: the tidal debris finder comparison project. Monthly Notices of the Royal Astronomical Society, 2013, 433, 1537-1555.	4.4	32
21	Subhaloes gone Notts: spin across subhaloes and finders. Monthly Notices of the Royal Astronomical Society, 2013, 429, 2739-2747.	4.4	31
22	INTERNAL KINEMATICS OF GROUPS OF GALAXIES IN THE SLOAN DIGITAL SKY SURVEY DATA RELEASE 7. Astrophysical Journal, 2012, 758, 50.	4.5	28
23	The Revised IRAS-FSC Redshift Catalogue (RIFSCz). Monthly Notices of the Royal Astronomical Society, 2014, 442, 2739-2750.	4.4	27
24	A SCALING RELATION BETWEEN MERGER RATE OF GALAXIES AND THEIR CLOSE PAIR COUNT. Astrophysical Journal, 2014, 790, 7.	4.5	26
25	GALAXY CLUSTERING AND PROJECTED DENSITY PROFILES AS TRACED BY SATELLITES IN PHOTOMETRIC SURVEYS: METHODOLOGY AND LUMINOSITY DEPENDENCE. Astrophysical Journal, 2011, 734, 88.	4.5	25
26	Sussing merger trees: the impact of halo merger trees on galaxy properties in a semi-analytic model. Monthly Notices of the Royal Astronomical Society, 2014, 445, 4197-4210.	4.4	23
27	The stellar halo of isolated central galaxies in the Hyper Suprime-Cam imaging survey. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1580-1606.	4.4	23
28	What to expect from dynamical modelling of galactic haloes â€“ II. The spherical Jeans equation. Monthly Notices of the Royal Astronomical Society, 2018, 476, 5669-5680.	4.4	22
29	A natural boundary of dark matter haloes revealed around the minimum bias and maximum infall locations. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4250-4263.	4.4	20
30	Co-evolution of black hole growth and star formation from a cross-correlation analysis between quasars and the cosmic infrared background. Monthly Notices of the Royal Astronomical Society, 2015, 449, 4476-4493.	4.4	19
31	The orbital PDF: the dynamical state of Milky Way sized haloes and the intrinsic uncertainty in the determination of their masses. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1017-1029.	4.4	19
32	The orbital PDF: general inference of the gravitational potential from steady-state tracers. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1003-1016.	4.4	19
33	What to expect from dynamical modelling of galactic haloes. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2351-2366.	4.4	17
34	Subhaloes gone Notts: the clustering properties of subhaloes. Monthly Notices of the Royal Astronomical Society, 2014, 438, 3205-3221.	4.4	15
35	Subhaloes gone Notts: subhaloes as tracers of the dark matter halo shape. Monthly Notices of the Royal Astronomical Society, 2014, 442, 1197-1210.	4.4	14
36	Sussing merger trees: stability and convergence. Monthly Notices of the Royal Astronomical Society, 2016, 459, 1554-1568.	4.4	14

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37	A Versatile and Accurate Method for Halo Mass Determination from Phase-space Distribution of Satellite Galaxies. Astrophysical Journal, 2019, 886, 69.	4.5	11
38	The Stellar Mass in and around Isolated Central Galaxies: Connections to the Total Mass Distribution through Galaxyâ€“Galaxy Lensing in the Hyper Suprime-Cam Survey. Astrophysical Journal, 2021, 919, 25.	4.5	11
39	Constraining Dark Energy with Stacked Concave Lenses. Astrophysical Journal, 2019, 874, 7.	4.5	10
40	Orbital Distribution of Infalling Satellite Halos across Cosmic Time. Astrophysical Journal, 2020, 905, 177.	4.5	10
41	Environmental screening of dark matter haloes in f(R) gravity. Monthly Notices of the Royal Astronomical Society, 2017, 469, 705-715.	4.4	9
42	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
43	Groups and Protocluster Candidates in the CLAUDS and HSC-SSP Joint Deep Surveys. Astrophysical Journal, 2022, 933, 9.	4.5	9
44	Using the Modified Nearest Neighbor Method to Correct Fiber-collision Effects on Galaxy Clustering. Astrophysical Journal, 2019, 872, 26.	4.5	7
45	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
46	The Outermost Edges of the Milky Way Halo from Galaxy Kinematics. Astrophysical Journal Letters, 2021, 915, L18.	8.3	6
47	A machine learning approach to infer the accreted stellar mass fractions of central galaxies in the TNG100 simulation. Monthly Notices of the Royal Astronomical Society, 2022, 515, 3938-3955.	4.4	6
48	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
49	The Universal Specific Merger Rate of Dark Matter Halos. Astrophysical Journal, 2022, 929, 120.	4.5	5
50	FPFS Shear Estimator: Systematic Tests on the Hyper Suprime-Cam Survey First-year Data. Astrophysical Journal, Supplement Series, 2020, 251, 19.	7.7	3
51	Satellite galaxies as better tracers of the Milky Way halo mass. Proceedings of the International Astronomical Union, 2019, 14, 109-112.	0.0	1