Properties of galaxies reproduced by a hydrodynamic si

Citation Report

#	ARTICLE	IF	CITATIONS
1	Impact of star formation history on the measurement of star formation rates. Astronomy and Astrophysics, 2014, 571, A72.	2.1	72
2	CO-ORBITING PLANES OF SUB-HALOS ARE SIMILARLY UNLIKELY AROUND PAIRED AND ISOLATED HOSTS. Astrophysical Journal Letters, 2014, 789, L24.	3.0	34
3	Halo mass and assembly history exposed in the faint outskirts: the stellar and dark matter haloes of Illustris galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 444, 237-249.	1.6	117
4	Diffuse gas properties and stellar metallicities in cosmological simulations of disc galaxy formation. Monthly Notices of the Royal Astronomical Society, 2014, 442, 3745-3760.	1.6	43
5	Near-field limits on the role of faint galaxies in cosmic reionization. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 443, L44-L48.	1.2	41
6	Introducing the Illustris Project: simulating the coevolution of dark and visible matter in the Universe. Monthly Notices of the Royal Astronomical Society, 2014, 444, 1518-1547.	1.6	1,694
7	Damped Lyman α absorbers as a probe of stellar feedback. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2313-2324.	1.6	105
8	Systematic errors in the measurement of neutrino masses due to baryonic feedback processes: Prospects for stage IV lensing surveys. Physical Review D, 2014, 90, .	1.6	24
9	Globular cluster formation in the context of galaxy formation and evolution. Classical and Quantum Gravity, 2014, 31, 244006.	1.5	132
10	Introducing the Illustris project: the evolution of galaxy populations across cosmic time. Monthly Notices of the Royal Astronomical Society, 2014, 445, 175-200.	1.6	805
11	Dynamical Mass Determinations and Scaling Relations of Early-Type Galaxies. Proceedings of the International Astronomical Union, 2014, 10, 20-30.	0.0	1
12	Small scale structures in coupled scalar field dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 418-423.	1.5	11
13	Astronomical Signatures of Dark Matter. Advances in High Energy Physics, 2014, 2014, 1-10.	0.5	12
14	A virtual Universe. Nature, 2014, 509, 170-171.	13.7	1
15	Dwarf galaxies in CDM and SIDM with baryons: observational probes of the nature of dark matter. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3684-3698.	1.6	166
16	Liberation of Specific Angular Momentum Through Radiation and Scattering in Relativistic Black-Hole Accretion Disks. Publications of the Astronomical Society of Australia, 2015, 32, .	1.3	1
17	Stellar populations of stellar halos: Results from the Illustris simulation. Proceedings of the International Astronomical Union, 2015, 11, 197-203.	0.0	0
18	Galaxy morphology and star formation in the Illustris Simulation at z = 0. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1886-1908.	1.6	155

#	ARTICLE	IF	CITATIONS
19	On the cosmic evolution of Fe/Mg in QSO absorption line systems. Monthly Notices of the Royal Astronomical Society, 2015, 451, 1806-1814.	1.6	4
20	Taking the Universe's Temperature with Spectral Distortions of the Cosmic Microwave Background. Physical Review Letters, 2015, 115, 261301.	2.9	71
21	CHARACTERIZING THE PRESSURE SMOOTHING SCALE OF THE INTERGALACTIC MEDIUM. Astrophysical Journal, 2015, 812, 30.	1.6	71
22	SCALING RELATIONS BETWEEN WARM GALACTIC OUTFLOWS AND THEIR HOST GALAXIES. Astrophysical Journal, 2015, 811, 149.	1.6	118
23	GALACTIC ANGULAR MOMENTUM IN THE ILLUSTRIS SIMULATION: FEEDBACK AND THE HUBBLE SEQUENCE. Astrophysical Journal Letters, 2015, 804, L40.	3.0	174
24	MASS–CONCENTRATION RELATION OF CLUSTERS OF GALAXIES FROM CFHTLenS. Astrophysical Journal, 2015, 814, 120.	1.6	19
25	Lepton jets from radiating dark matter. Journal of High Energy Physics, 2015, 2015, 1.	1.6	62
26	The effect of stellar feedback on a Milky Way-like galaxy and its gaseous halo. Monthly Notices of the Royal Astronomical Society, 2015, 451, 4223-4237.	1.6	26
27	Reducing noise in moving-grid codes with strongly-centroidal Lloyd mesh regularization. Monthly Notices of the Royal Astronomical Society, 2015, 452, 3853-3862.	1.6	17
28	Hydrogen reionization in the Illustris universe. Monthly Notices of the Royal Astronomical Society, 2015, 453, 3594-3611.	1.6	44
29	An analysis of the evolving comoving number density of galaxies in hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2770-2786.	1.6	67
30	The merger rate of galaxies in the Illustris simulation: a comparison with observations and semi-empirical models. Monthly Notices of the Royal Astronomical Society, 2015, 449, 49-64.	1.6	472
31	The formation of massive, compact galaxies at $z=2$ in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2015, 449, 361-372.	1.6	187
32	Simulating the shocks in the dissociative galaxy cluster Abell 1758N. Monthly Notices of the Royal Astronomical Society, 2015, 451, 3309-3320.	1.6	23
33	The Illustris simulation: the evolving population of black holes across cosmic time. Monthly Notices of the Royal Astronomical Society, 2015, 452, 575-596.	1.6	452
34	The distribution of neutral hydrogen around high-redshift galaxies and quasars in the EAGLE simulation. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2034-2056.	1.6	124
35	Galaxy merger histories and the role of merging in driving star formation at $z>1$. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2845-2850.	1.6	41
36	The evolving relation between star formation rate and stellar mass in the VIDEO survey since $z=3$. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2541-2558.	1.6	57

#	Article	IF	Citations
37	Architectures and methodologies for future deployment of multi-site Zettabyte-Exascale data handling platforms. Journal of Physics: Conference Series, 2015, 664, 042009.	0.3	0
38	Sterile neutrinos with secret interactionsâ€"lasting friendship with cosmology. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 011-011.	1.9	76
39	Entropy-Assisted Computing of Low-Dissipative Systems. Entropy, 2015, 17, 8099-8110.	1.1	11
40	Stellar hydrodynamical modeling of dwarf galaxies: simulation methodology, tests, and first results. Astronomy and Astrophysics, 2015, 579, A9.	2.1	18
41	The Imprints Of Galactic Environment On Cluster Formation and Evolution. Proceedings of the International Astronomical Union, 2015, 12, 17-24.	0.0	2
42	THE WEAK LENSING SIGNAL AND THE CLUSTERING OF BOSS GALAXIES. II. ASTROPHYSICAL AND COSMOLOGICAL CONSTRAINTS. Astrophysical Journal, 2015, 806, 2.	1.6	124
43	The EAGLE simulations of galaxy formation: calibration of subgrid physics and model variations. Monthly Notices of the Royal Astronomical Society, 2015, 450, 1937-1961.	1.6	1,038
44	The Exo-S probe class starshade mission. Proceedings of SPIE, 2015, , .	0.8	30
45	Properties of cosmological filaments extracted from Eulerian simulations. Monthly Notices of the Royal Astronomical Society, 2015, 453, 1164-1185.	1.6	32
46	The MassiveBlack-II simulation: the evolution of haloes and galaxies to $z\simeq0$. Monthly Notices of the Royal Astronomical Society, 2015, 450, 1349-1374.	1.6	262
47	Intrinsic alignments of galaxies in the MassiveBlack-II simulation: analysis of two-point statistics. Monthly Notices of the Royal Astronomical Society, 2015, 448, 3522-3544.	1.6	66
48	The EAGLE project: simulating the evolution and assembly of galaxies and their environments. Monthly Notices of the Royal Astronomical Society, 2015, 446, 521-554.	1.6	2,549
49	Galaxies as simple dynamical systems: observational data disfavor dark matter and stochastic star formation. Canadian Journal of Physics, 2015, 93, 169-202.	0.4	131
50	NUMERICAL CONVERGENCE IN SMOOTHED PARTICLE HYDRODYNAMICS. Astrophysical Journal, 2015, 800, 6.	1.6	74
51	The impact of galactic feedback on the circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2015, 448, 895-909.	1.6	82
52	Galaxy formation in the Planck cosmology â€" I. Matching the observed evolution of star formation rates, colours and stellar masses. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2663-2680.	1.6	467
53	Galaxy formation in the Planck cosmology â€" III. The high-redshift universe. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2692-2702.	1.6	28
54	Dark matter halo properties of GAMA galaxy groups from 100 square degrees of KiDS weak lensing data. Monthly Notices of the Royal Astronomical Society, 2015, 452, 3529-3550.	1.6	119

#	ARTICLE	IF	CITATIONS
55	Synthetic galaxy images and spectra from the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2015, 447, 2753-2771.	1.6	106
56	nIFTy cosmology: comparison of galaxy formation models. Monthly Notices of the Royal Astronomical Society, 2015, 451, 4029-4059.	1.6	55
57	A COMPARATIVE STUDY OF DENSITY FIELD ESTIMATION FOR GALAXIES: NEW INSIGHTS INTO THE EVOLUTION OF GALAXIES WITH ENVIRONMENT IN COSMOS OUT TO zâ¼ 3. Astrophysical Journal, 2015, 805, 121.	1.6	91
58	The origin of the atomic and molecular gas contents of early-type galaxies â€" II. Misaligned gas accretion. Monthly Notices of the Royal Astronomical Society, 2015, 448, 1271-1287.	1.6	49
59	A refined sub-grid model for black hole accretion and AGN feedback in large cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2015, 448, 1504-1525.	1.6	134
60	The impact of feedback on cosmological gas accretion. Monthly Notices of the Royal Astronomical Society, 2015, 448, 59-74.	1.6	120
61	Simulating realistic disc galaxies with a novel sub-resolution ISM model. Monthly Notices of the Royal Astronomical Society, 2015, 447, 178-201.	1.6	55
62	The colours of satellite galaxies in the Illustris simulation. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 447, L6-L10.	1.2	59
63	Equilibrium model constraints on baryon cycling across cosmic time. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1184-1200.	1.6	65
64	The galaxyâ€"dark matter halo connection: which galaxy properties are correlated with the host halo mass?. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1861-1876.	1.6	28
65	The effect of baryons on the inner density profiles of rich clusters. Monthly Notices of the Royal Astronomical Society, 2015, 452, 343-355.	1.6	80
66	Physical Models of Galaxy Formation in a Cosmological Framework. Annual Review of Astronomy and Astrophysics, 2015, 53, 51-113.	8.1	960
67	Network analysis of cosmic structures: network centrality and topological environment. Monthly Notices of the Royal Astronomical Society, 2015, 450, 1999-2015.	1.6	12
68	Shock finding on a moving mesh â€" I. Shock statistics in non-radiative cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2015, 446, 3992-4007.	1.6	63
69	The star formation main sequence and stellar mass assembly of galaxies in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2015, 447, 3548-3563.	1.6	201
70	Hydrodynamic effects in the symmetron and f(R)-gravity models. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3635-3644.	1.6	32
71	HOT GASEOUS CORONAE AROUND SPIRAL GALAXIES: PROBING THE ILLUSTRIS SIMULATION. Astrophysical Journal, 2015, 804, 72.	1.6	40
72	MORPHOLOGIES OF â¼190,000 GALAXIES AT z = 0â€"10 REVEALED WITH HST LEGACY DATA. I. SIZE EVOLUTION. Astrophysical Journal, Supplement Series, 2015, 219, 15.	3.0	296

#	Article	IF	Citations
73	THE VLT SINFONI Mg ii PROGRAM FOR LINE EMITTERS (SIMPLE). II. BACKGROUND QUASARS PROBING $Zsim 1$ GALACTIC WINDS. Astrophysical Journal, 2015, 804, 83.	1.6	54
74	Bayesian analysis of the dynamic cosmic web in the SDSS galaxy survey. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 015-015.	1.9	41
75	Mapping stellar content to dark matter haloes using galaxy clustering and galaxy–galaxy lensing in the SDSS DR7. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1161-1191.	1.6	145
76	Performance Analysis of LXC for HPC Environments. , 2015, , .		23
77	Luminosity function of [O‰ii] emission-line galaxies in the MassiveBlack-II simulation. Monthly Notices of the Royal Astronomical Society, 2015, 454, 277-287.	1.6	11
78	Petascale Cosmology: Simulations of Structure Formation. Computing in Science and Engineering, 2015, 17, 40-46.	1.2	0
79	The large-scale properties of simulated cosmological magnetic fields. Monthly Notices of the Royal Astronomical Society, 2015, 453, 4000-4020.	1.6	60
80	Near-Field Cosmology with Extremely Metal-Poor Stars. Annual Review of Astronomy and Astrophysics, 2015, 53, 631-688.	8.1	355
81	Baryonic and dark matter distribution in cosmological simulations of spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1353-1369.	1.6	52
82	Reproducing the kinematics of damped Lyman α systems. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1834-1846.	1.6	77
83	LoCuSS: THE SLOW QUENCHING OF STAR FORMATION IN CLUSTER GALAXIES AND THE NEED FOR PRE-PROCESSING. Astrophysical Journal, 2015, 806, 101.	1.6	185
84	The illustris simulation: Public data release. Astronomy and Computing, 2015, 13, 12-37.	0.8	412
85	THE INFORMATION CONTENT OF STELLAR HALOS: STELLAR POPULATION GRADIENTS AND ACCRETION HISTORIES IN EARLY-TYPE ILLUSTRIS GALAXIES. Astrophysical Journal, 2016, 833, 158.	1.6	49
86	MUSE GAS FLOW AND WIND (MEGAFLOW). I. FIRST MUSE RESULTS ON BACKGROUND QUASARS*. Astrophysical Journal, 2016, 833, 39.	1.6	72
87	THE METAL ABUNDANCES ACROSS COSMIC TIME ( ) SURVEY. II. EVOLUTION OF THE MASS–METALLICITY RELATION OVER 8 BILLION YEARS, USING [O iii] λ4363 Ã… BASED METALLICITIES. Astrophysical Journal, 2016, 828, 67.	1.6	63
88	HOW ENVIRONMENT AFFECTS GALAXY METALLICITY THROUGH STRIPPING AND FORMATION HISTORY: LESSONS FROM THE ILLUSTRIS SIMULATION. Astrophysical Journal, 2016, 822, 107.	1.6	35
89	Identifying galaxy candidates in WSRT H‰i imaging of ultra-compact high velocity clouds. Astronomy and Astrophysics, 2016, 596, A117.	2.1	13
90	Mathematical modeling of formation, evolution and interaction of galaxies in cosmological context. Journal of Physics: Conference Series, 2016, 722, 012023.	0.3	3

#	Article	IF	Citations
91	KMOS3D: DYNAMICAL CONSTRAINTS ON THE MASS BUDGET IN EARLY STAR-FORMING DISKS*. Astrophysical Journal, 2016, 831, 149.	1.6	83
92	Constraining SN feedback: a tug of war between reionization and the Milky Way satellites. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1224-1239.	1.6	10
93	<i>z</i> ~ 6 metal-line absorbers as a probe of galactic feedback models. Proceedings of the International Astronomical Union, 2016, 11, 75-77.	0.0	0
94	THE EFFECTS OF THE LOCAL ENVIRONMENT AND STELLAR MASS ON GALAXY QUENCHING TO z â˜¼ 3. Astrophysical Journal, 2016, 825, 113.	1.6	141
95	Suppressing structure formation at dwarf galaxy scales and below: Late kinetic decoupling as a compelling alternative to warm dark matter. Physical Review D, 2016, 94, .	1.6	45
96	THE MAIN SEQUENCES OF STAR-FORMING GALAXIES AND ACTIVE GALACTIC NUCLEI AT HIGH REDSHIFT. Astrophysical Journal, 2016, 833, 152.	1.6	43
97	Spherical cows in dark matter indirect detection. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 030-030.	1.9	15
98	Modelling galaxy clustering: halo occupation distribution versus subhalo matching. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3040-3058.	1.6	79
99	The moving mesh code Shadowfax. Astronomy and Computing, 2016, 16, 109-130.	0.8	15
100	The growth and enrichment of intragroup gas. Monthly Notices of the Royal Astronomical Society, 2016, 456, 4266-4290.	1.6	34
101	Baryonic impact on the dark matter distribution in Milky Way-sized galaxies and their satellites. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1559-1580.	1.6	106
102	The stellar mass assembly of galaxies in the Illustris simulation: growth by mergers and the spatial distribution of accreted stars. Monthly Notices of the Royal Astronomical Society, 2016, 458, 2371-2390.	1.6	319
103	Discrepancies between CFHTLenS cosmic shear and <i>Planck</i>: new physics or systematic effects?. Monthly Notices of the Royal Astronomical Society, 2016, 459, 971-981.	1.6	34
104	Improving the convergence properties of the moving-mesh code AREPO. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1134-1143.	1.6	231
105	Quantifying substructures in <i>Hubble</i> Frontier Field clusters: comparison with Î›CDM simulations. Monthly Notices of the Royal Astronomical Society, 2016, 459, 1698-1709.	1.6	19
106	nIFTy galaxy cluster simulations â€" II. Radiative models. Monthly Notices of the Royal Astronomical Society, 2016, 459, 2973-2991.	1.6	45
107	Discriminating topology in galaxy distributions using network analysis. Monthly Notices of the Royal Astronomical Society, 2016, 459, 2690-2700.	1.6	21
108	The missing satellite problem in 3D. Monthly Notices of the Royal Astronomical Society, 2016, 462, 4473-4481.	1.6	24

#	Article	IF	Citations
109	THE EVOLUTION OF GALAXY NUMBER DENSITY AT z<8 AND ITS IMPLICATIONS. Astrophysical Journal, 2016, 830, 83.	1.6	131
110	Cosmic shear as a probe of galaxy formation physics. Monthly Notices of the Royal Astronomical Society, 2016, 463, 3326-3338.	1.6	19
111	A study of the circumgalactic medium at z â˜¼ 0.6 using damped Lyman Î± galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 463, 980-1007.	1.6	45
112	The Local Group: the ultimate deep field. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 462, L51-L55.	1.2	21
113	EVOLUTION OF GALAXY GROUPS IN THE ILLUSTRIS SIMULATION. Astrophysical Journal, 2016, 824, 140.	1.6	17
114	THE ROLE OF COSMIC-RAY PRESSURE IN ACCELERATING GALACTIC OUTFLOWS. Astrophysical Journal Letters, 2016, 827, L29.	3.0	113
115	THE CALIFA AND HIPASS CIRCULAR VELOCITY FUNCTION FOR ALL MORPHOLOGICAL GALAXY TYPES. Astrophysical Journal Letters, 2016, 827, L36.	3.0	11
116	Subhalo Abundance Matching in f(R) Gravity. Physical Review Letters, 2016, 117, 221101.	2.9	7
117	The impact of galactic properties and environment on the quenching of central and satellite galaxies: a comparison between SDSS, Illustris and L-Galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 462, 2559-2586.	1.6	99
118	Contributions to cosmic reionization from dark matter annihilation and decay. Physical Review D, 2016, 94, .	1.6	96
119	precession: Dynamics of spinning black-hole binaries with python. Physical Review D, 2016, 93, .	1.6	64
120	The mass profile of the Milky Way to the virial radius from the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2016, 461, 3483-3493.	1.6	31
121	A KECK ADAPTIVE OPTICS SURVEY OF A REPRESENTATIVE SAMPLE OF GRAVITATIONALLY LENSED STAR-FORMING GALAXIES: HIGH SPATIAL RESOLUTION STUDIES OF KINEMATICS AND METALLICITY GRADIENTS. Astrophysical Journal, 2016, 820, 84.	1.6	76
122	Testing the effect of galactic feedback on the IGM at<i>z</i>â˜¼ 6 with metal-line absorbers. Monthly Notices of the Royal Astronomical Society, 2016, 461, 606-626.	1.6	43
123	Simulating the carbon footprint of galactic haloes. Monthly Notices of the Royal Astronomical Society, 2016, 462, 307-322.	1.6	11
124	Connecting the dots: a correlation between ionizing radiation and cloud mass-loss rate traced by optical integral field spectroscopy. Monthly Notices of the Royal Astronomical Society, 2016, 462, 3537-3569.	1.6	28
125	Building disc structure and galaxy properties through angular momentum: the Dark Sage semi-analytic model. Monthly Notices of the Royal Astronomical Society, 2016, 461, 859-876.	1.6	77
126	Shock finding on a moving-mesh â€" II. Hydrodynamic shocks in the Illustris universe. Monthly Notices of the Royal Astronomical Society, 2016, 461, 4441-4465.	1.6	24

#	Article	IF	Citations
127	Zooming in on major mergers: dense, starbursting gas in cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2016, 462, 2418-2430.	1.6	84
128	Intrinsic alignments of disc and elliptical galaxies in the MassiveBlack-II and Illustris simulations. Monthly Notices of the Royal Astronomical Society, 2016, 462, 2668-2680.	1.6	42
129	A moving mesh unstaggered constrained transport scheme for magnetohydrodynamics. Monthly Notices of the Royal Astronomical Society, 2016, 463, 477-488.	1.6	40
130	The Horizon-AGN simulation: morphological diversity of galaxies promoted by AGN feedback. Monthly Notices of the Royal Astronomical Society, 2016, 463, 3948-3964.	1.6	315
131	Measuring the vertical age structure of the Galactic disc using asteroseismology and SAGAâ˜…. Monthly Notices of the Royal Astronomical Society, 2016, 455, 987-1007.	1.6	119
132	ETHOS â€" an effective theory of structure formation: dark matter physics as a possible explanation of the small-scale CDM problems. Monthly Notices of the Royal Astronomical Society, 2016, 460, 1399-1416.	1.6	185
133	Zooming in on accretion â€" I. The structure of halo gas. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2881-2904.	1.6	80
134	Dust formation in Milky Way-like galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3775-3800.	1.6	127
135	Origin and properties of dual and offset active galactic nuclei in a cosmological simulation at $\boldsymbol{z=2}$. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1013-1028.	1.6	89
136	nIFTY galaxy cluster simulations â€" III. The similarity and diversity of galaxies and subhaloes. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1096-1116.	1.6	32
137	Cosmic distribution of highly ionized metals and their physical conditions in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2016, 459, 310-332.	1.6	85
138	Constraints on small-scale cosmological fluctuations from SNe lensing dispersion. Monthly Notices of the Royal Astronomical Society, 2016, 455, 552-562.	1.6	10
139	On the assembly of dwarf galaxies in clusters and their efficient formation of globular clusters. Monthly Notices of the Royal Astronomical Society, 2016, 455, 2323-2336.	1.6	67
140	Assessing the Jeans Anisotropic Multi-Gaussian Expansion method with the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3680-3692.	1.6	46
141	Extremely isolated galaxies â€" I. Sample and simulation analysis. Monthly Notices of the Royal Astronomical Society, 2016, 456, 885-908.	1.6	2
142	Vertical disc heating in Milky Way-sized galaxies in a cosmological context. Monthly Notices of the Royal Astronomical Society, 2016, 459, 199-219.	1.6	132
143	The diverse evolutionary paths of simulated high-z massive, compact galaxies to z = 0. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1030-1048.	1.6	96
144	THE IMPOSSIBLY EARLY GALAXY PROBLEM. Astrophysical Journal, 2016, 824, 21.	1.6	79

#	Article	IF	Citations
145	HYDRODYNAMIC MOVING-MESH SIMULATIONS OF THE COMMON ENVELOPE PHASE IN BINARY STELLAR SYSTEMS. Astrophysical Journal Letters, 2016, 816, L9.	3.0	123
146	The scope and limits of simulation in automated reasoning. Artificial Intelligence, 2016, 233, 60-72.	3.9	57
147	Lens galaxies in the Illustris simulation: power-law models and the bias of the Hubble constant from time delays. Monthly Notices of the Royal Astronomical Society, 2016, 456, 739-755.	1.6	71
148	An artificial neural network approach for ranking quenching parameters in central galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 457, 2086-2106.	1.6	60
149	Modelling galactic conformity with the colourâ€"halo age relation in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2016, 455, 185-198.	1.6	38
150	nIFTy galaxy cluster simulations â€" I. Dark matter and non-radiative models. Monthly Notices of the Royal Astronomical Society, 2016, 457, 4063-4080.	1.6	63
151	Strong bimodality in the host halo mass of central galaxies from galaxyâ€"galaxy lensing. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3200-3218.	1.6	128
152	Machine learning and cosmological simulations â€" II. Hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2016, 457, 1162-1179.	1.6	41
153	Large-scale mass distribution in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3024-3035.	1.6	60
154	SEMI-ANALYTIC GALAXY EVOLUTION (SAGE): MODEL CALIBRATION AND BASIC RESULTS. Astrophysical Journal, Supplement Series, 2016, 222, 22.	3.0	214
155	Recoiling black holes: prospects for detection and implications of spin alignment. Monthly Notices of the Royal Astronomical Society, 2016, 456, 961-989.	1.6	90
156	Compound lensing: Einstein zig-zags and high-multiplicity lensed images. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2210-2220.	1.6	13
157	High Performance Computing and Numerical Modelling. Saas-Fee Advanced Course, 2016, , 251-358.	1.1	5
158	HYDRODYNAMICAL COUPLING OF MASS AND MOMENTUM IN MULTIPHASE GALACTIC WINDS. Astrophysical Journal, 2017, 834, 144.	1.6	108
159	Cosmology and convention. Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics, 2017, 57, 41-52.	1.4	68
160	IMPACT OF BARYONIC PHYSICS ON INTRINSIC ALIGNMENTS. Astrophysical Journal, 2017, 834, 169.	1.6	13
161	Astrophysical Russian dolls. Nature Astronomy, 2017, 1, .	4.2	1
162	Cosmic Web of Galaxies in the COSMOS Field: Public Catalog and Different Quenching for Centrals and Satellites. Astrophysical Journal, 2017, 837, 16.	1.6	77

#	Article	IF	Citations
163	Connection between Stellar Mass Distributions within Galaxies and Quenching Since zÂ=Â2. Astrophysical Journal, 2017, 837, 2.	1.6	58
164	Log-normal Star Formation Histories in Simulated and Observed Galaxies. Astrophysical Journal, 2017, 839, 26.	1.6	59
165	On the OVI abundance in the circumgalactic medium of low-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 465, 2966-2982.	1.6	58
166	Galaxy And Mass Assembly (GAMA): A â€œNo Smokingâ€•Zone for Giant Elliptical Galaxies?. Astrophysical Journal, 2017, 842, 81.	1.6	17
167	The Impact of Galactic Winds on the Angular Momentum of Disk Galaxies in the Illustris Simulation. Astrophysical Journal, 2017, 841, 16.	1.6	45
168	Cosmological Structure Formation. , 0, , 136-160.		0
169	The Co-evolution of a Magnetized Intracluster Medium and Hot Galactic Coronae: Magnetic Field Amplification and Turbulence Generation. Astrophysical Journal, 2017, 841, 38.	1.6	11
170	Properties and Origin of Galaxy Velocity Bias in the Illustris Simulation. Astrophysical Journal, 2017, 841, 45.	1.6	28
171	The history of the dark and luminous side of Milky Way-like progenitors. Monthly Notices of the Royal Astronomical Society, 2017, 469, 1101-1116.	1.6	31
172	Supernovae, supercomputers, and galactic evolution. Physics Today, 2017, 70, 70-71.	0.3	0
173	Increasing Black Hole Feedback-induced Quenching with Anisotropic Thermal Conduction. Astrophysical Journal Letters, 2017, 837, L18.	3.0	40
174	Angular momentum evolution of galaxies in EAGLE. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3850-3870.	1.6	126
175	Orbits of massive satellite galaxies â€“ I. A close look at the Large Magellanic Cloud and a new orbital history for M33. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3825-3849.	1.6	83
176	The metal enrichment of passive galaxies in cosmological simulations of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4866-4874.	1.6	16
177	Morpho-kinematics of zâ̂¼ 1 galaxies probe the hierarchical scenario. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1157-1180.	1.6	38
178	Simulating galaxy formation with black hole driven thermal and kinetic feedback. Monthly Notices of the Royal Astronomical Society, 2017, 465, 3291-3308.	1.6	725
179	Lensing is low: cosmology, galaxy formation or new physics?. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3024-3047.	1.6	150
180	Realistic estimation for the detectability of dark matter subhalos using Fermi-LAT catalogs. Physical Review D, 2017, 96, .	1.6	26

#	Article	IF	Citations
181	On the complexity and the information content of cosmic structures. Monthly Notices of the Royal Astronomical Society, 2017, 465, 4942-4955.	1.6	6
182	Mapping substructure in the HST Frontier Fields cluster lenses and in cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2017, 468, 1962-1980.	1.6	64
183	GASP. I. Gas Stripping Phenomena in Galaxies with MUSE. Astrophysical Journal, 2017, 844, 48.	1.6	248
184	A galaxy–halo model for multiple cosmological tracers. Monthly Notices of the Royal Astronomical Society, 2017, 471, 12-27.	1.6	3
185	Not so lumpy after all: modelling the depletion of dark matter subhaloes by Milky Way-like galaxiesÂ. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1709-1727.	1.6	242
186	Constraints on the Dynamical Environments of Supermassive Black-Hole Binaries Using Pulsar-Timing Arrays. Physical Review Letters, 2017, 118, 181102.	2.9	42
187	The case of the missing satellites. SynthÃˆse, 2017, , 1.	0.6	0
188	The metallicity and star formation activity of long gamma-ray burst hosts for zÂ<Â3: insights from the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4921-4932.	1.6	11
189	Cosmic ray-driven galactic winds: streaming or diffusion?. Monthly Notices of the Royal Astronomical Society, 0, , stx127.	1.6	77
190	The Impact of Star Formation Histories on Stellar Mass Estimation: Implications from the Local Group Dwarf Galaxies. Astrophysical Journal, Supplement Series, 2017, 233, 13.	3.0	41
191	The Effect of AGN Heating on the Low-redshift LyÎ±ÂForest. Astrophysical Journal, 2017, 835, 175.	1.6	26
192	Giant LyÎ± Nebulae in the Illustris Simulation. Astrophysical Journal, 2017, 835, 207.	1.6	19
193	The role of mergers and halo spin in shaping galaxy morphology. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3083-3098.	1.6	134
194	On the Dearth of Ultra-faint Extremely Metal-poor Galaxies. Astrophysical Journal, 2017, 835, 159.	1.6	15
195	Angular Momentum of Early- and Late-type Galaxies: Nature or Nurture?. Astrophysical Journal, 2017, 843, 105.	1.6	22
196	Identifying true satellites of the Magellanic Clouds. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1879-1888.	1.6	75
197	Galaxy formation in the Planck cosmology â€“ IV. Mass and environmental quenching, conformity and clustering. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2626-2645.	1.6	65
198	Massive black hole binary mergers in dynamical galactic environments. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3131-3157.	1.6	127

#	Article	IF	Citations
199	The void galaxy survey: photometry, structure and identity of void galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 464, 666-679.	1.6	29
200	Galaxy gas as obscurer â€" I. GRBs x-ray galaxies and find an $N_{\rm H}^{3} \propto M_{star}$ relation. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4545-4566.	1.6	36
201	Rotation curve fitting and its fatal attraction to cores in realistically simulated galaxy observations. Monthly Notices of the Royal Astronomical Society, 2017, 466, 63-87.	1.6	42
202	Angular momentum properties of haloes and their baryon content in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2017, 466, 1625-1647.	1.6	80
203	(Star)bursts of FIRE: observational signatures of bursty star formation in galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 466, 88-104.	1.6	169
204	Black hole clustering and duty cycles in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3331-3343.	1.6	21
205	The abundance of compact quiescent galaxies since $z âˆ¼ 0.6$. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4523-4536.	1.6	21
206	Physical drivers of galaxiesâ€™ cold-gas content: exploring environmental and evolutionary effects with Dark Sage. Monthly Notices of the Royal Astronomical Society, 2017, 471, 447-462.	1.6	50
207	Galaxies in the Illustris simulation as seen by the Sloan Digital Sky Survey â€" II. Sizeâ€"luminosity relations and the deficit of bulge-dominated galaxies in Illustris at low mass. Monthly Notices of the Royal Astronomical Society, 2017, 467, 2879-2895.	1.6	71
208	An improved probabilistic approach for linking progenitor and descendant galaxy populations using comoving number density. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3887-3897.	1.6	19
209	Black hole feeding and feedback: the physics inside the â€˜sub-gridâ€™. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3475-3492.	1.6	46
210	Constraints on AGN feedback from its Sunyaevâ€"Zel'dovich imprint on the cosmic background radiation. Monthly Notices of the Royal Astronomical Society, 2017, 468, 577-596.	1.6	21
211	Forward and backward galaxy evolution in comoving cumulative number density space. Monthly Notices of the Royal Astronomical Society, 2017, 467, 4872-4885.	1.6	24
212	Intrinsic alignments of galaxies in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2017, 468, 790-823.	1.6	55
213	fire in the field: simulating the threshold of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2017, 471, 3547-3562.	1.6	173
214	Rhapsody-G simulations I: the cool cores, hot gas and stellar content of massive galaxy clusters. Monthly Notices of the Royal Astronomical Society, 0, , stx001.	1.6	33
215	The Hâ€‰Î± luminosity-dependent clustering of star-forming galaxies from $z âˆ¼ 0.8$ to $âˆ¼ 2.2$ with HiZELS. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2913-2932.	1.6	29
216	Heavy neutrinos effects for oscillation of light neutrinos at short distances. Journal of Physics: Conference Series, 2017, 934, 012007.	0.3	0

#	Article	IF	Citations
217	Cosmological applications of the Brown-York quasilocal mass. Physical Review D, 2017, 96, .	1.6	8
218	Cooling in a dissipative dark sector. Physical Review D, 2017, 96, .	1.6	25
219	Simulating the dust content of galaxies: successes and failures. Monthly Notices of the Royal Astronomical Society, 2017, 468, 1505-1521.	1.6	109
220	Implications of Galaxy Buildup for Putative IMF Variations in Massive Galaxies. Astrophysical Journal, 2017, 845, 136.	1.6	7
221	Three-phase Interstellar Medium in Galaxies Resolving Evolution with Star Formation and Supernova Feedback (TIGRESS): Algorithms, Fiducial Model, and Convergence. Astrophysical Journal, 2017, 846, 133.	1.6	144
222	Composite Spectral Energy Distributions and Infrared–Optical Colors of Type 1 and Type 2 Quasars. Astrophysical Journal, 2017, 849, 53.	1.6	39
223	Full-sky Gravitational Lensing Simulation for Large-area Galaxy Surveys and Cosmic Microwave Background Experiments. Astrophysical Journal, 2017, 850, 24.	1.6	114
224	Galaxies with Prolate Rotation in Illustris. Astrophysical Journal, 2017, 850, 144.	1.6	25
225	The Lopsidedness of Satellite Galaxy Systems in ΛCDM Simulations. Astrophysical Journal, 2017, 850, 132.	1.6	24
226	Cosmic evolution of stellar quenching by AGN feedback: clues from the Horizon-AGN simulation. Monthly Notices of the Royal Astronomical Society, 2017, 472, 949-965.	1.6	96
227	Response approach to the matter power spectrum covariance. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 051-051.	1.9	33
228	Haloes at the ragged edge: the importance of the splashback radius. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2694-2712.	1.6	6
229	The dependence of halo mass on galaxy size at fixed stellar mass using weak lensing. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2367-2387.	1.6	14
230	The cosmic merger rate of stellar black hole binaries from the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2422-2435.	1.6	135
231	Subhalo demographics in the Illustris simulation: effects of baryons and halo-to-halo variation. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4343-4360.	1.6	42
232	The gravitational wave background from massive black hole binaries in Illustris: spectral features and time to detection with pulsar timing arrays. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4508-4526.	1.6	97
233	Diagnosing galactic feedback with line broadening in the low-redshift Lyα forest. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 467, L86-L90.	1.2	26
234	Galaxy metallicity scaling relations in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2017, 472, 3354-3377.	1.6	98

#	Article	IF	Citations
235	The stellar massâ€"size relation for cluster galaxies at z = 1 with high angular resolution from the Gemini/GeMS multiconjugate adaptive optics system. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2910-2929.	1.6	15
236	Galaxy gas as obscurer â€" II. Separating the galaxy-scale and nuclear obscurers of active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2017, 465, 4348-4362.	1.6	63
237	Orbits of massive satellite galaxies â€" II. Bayesian estimates of the Milky Way and Andromeda masses using high-precision astrometry and cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3428-3449.	1.6	35
238	A box full of chocolates: The rich structure of the nearby stellar halo revealed by<i>Gaia</i>and RAVE. Astronomy and Astrophysics, 2017, 598, A58.	2.1	99
239	Performance analysis of Linux containers for high performance computing applications. International Journal of Grid and Utility Computing, 2017, 8, 321.	0.1	6
240	The Impact of Baryons on the Large-Scale Structure of the Universe. , 0, , .		4
241	Galaxy formation with BECDM â€" I. Turbulence and relaxation of idealized haloes. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4559-4570.	1.6	208
242	Galaxies with Shells in the Illustris Simulation: Metallicity Signatures. Galaxies, 2017, 5, 34.	1.1	12
243	Mg ii Absorption at 2<ÂZ<Â7 with Magellan/Fire. III. Full Statistics of Absorption toward 100 High-redshift QSOs*. Astrophysical Journal, 2017, 850, 188.	1.6	42
244	Massive close pairs measure rapid galaxy assembly in mergers at high redshift. Monthly Notices of the Royal Astronomical Society, 2017, 468, 207-216.	1.6	68
245	Dark-agesÂReionizationÂ&ampÂGalaxyÂFormationÂSimulationÂVIII. Suppressed growth of dark matter halos during the Epoch of Reionization. Monthly Notices of the Royal Astronomical Society, 0, , stx083.	1.6	4
246	Testing galaxy formation models with galaxy stellar mass functions. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3256-3270.	1.6	13
247	Properties of Hâ‰i discs in the Auriga cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3859-3875.	1.6	50
248	Galaxies in the Illustris simulation as seen by the Sloan Digital Sky Survey - I: Bulge+disc decompositions, methods, and biases.. Monthly Notices of the Royal Astronomical Society, 0, , stx017.	1.6	23
249	A consistent measure of the merger histories of massive galaxies using close-pair statistics â€" I. Major mergers at zÂ<Â3.5. Monthly Notices of the Royal Astronomical Society, 2017, 470, 3507-3531.	1.6	86
250	Dark-ages reionization and galaxy formation simulation â€" IX. Economics of reionizing galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 470, 3300-3315.	1.6	4
251	A local leaky-box model for the local stellar surface densityâ€"gas surface densityâ€"gas phase metallicity relation. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4494-4501.	1.6	16
252	The inner structure of early-type galaxies in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2017, 469, 1824-1848.	1.6	62

#	Article	IF	Citations
253	Interactions between multiple supermassive black holes in galactic nuclei: a solution to the final parsec problem. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3410-3433.	1.6	63
254	MultiDark-Galaxies: data release and first results. Monthly Notices of the Royal Astronomical Society, 2018, 474, 5206-5231.	1.6	60
256	Dark matter dynamics in Abell 3827: new data consistent with standard cold dark matter. Monthly Notices of the Royal Astronomical Society, 2018, 477, 669-677.	1.6	22
257	Constraining self-interacting dark matter with scaling laws of observed halo surface densities. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 049-049.	1.9	23
258	The abundance, distribution, and physical nature of highly ionized oxygen Oâ€‰vi, Oâ€‰vii, and Oâ€‰viii in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2018, 477, 450-479.	1.6	133
259	Dynamics of merging: post-merger mixing and relaxation of an Illustris galaxy. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 033-033.	1.9	2
260	First results from the IllustrisTNG simulations: the galaxy colour bimodality. Monthly Notices of the Royal Astronomical Society, 2018, 475, 624-647.	1.6	894
261	The masses and metallicities of stellar haloes reflect galactic merger histories. Monthly Notices of the Royal Astronomical Society, 2018, 474, 5300-5318.	1.6	66
262	First results from the IllustrisTNG simulations: the stellar mass content of groups and clusters of galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 475, 648-675.	1.6	983
263	First results from the IllustrisTNG simulations: matter and galaxy clustering. Monthly Notices of the Royal Astronomical Society, 2018, 475, 676-698.	1.6	1,035
264	Exploring the cosmic evolution of habitability with galaxy merger trees. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1829-1842.	1.6	10
265	A whirling plane of satellite galaxies around Centaurus A challenges cold dark matter cosmology. Science, 2018, 359, 534-537.	6.0	127
266	Simulating galaxy formation with the IllustrisTNG model. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4077-4106.	1.6	1,144
267	The uniformity and time-invariance of the intra-cluster metal distribution in galaxy clusters from the IllustrisTNG simulations. Monthly Notices of the Royal Astronomical Society, 2018, 474, 2073-2093.	1.6	71
268	The size evolution of star-forming and quenched galaxies in the IllustrisTNG simulation. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3976-3996.	1.6	195
269	An Alternate Approach to Measure Specific Star Formation Rates at. Astrophysical Journal, 2018, 852, 107.	1.6	32
270	First results from the IllustrisTNG simulations: a tale of two elements â€" chemical evolution of magnesium and europium. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1206-1224.	1.6	746
271	SchrÃ¶dinger-Poissonâ€"Vlasov-Poisson correspondence. Physical Review D, 2018, 97, .	1.6	101

#	Article	IF	Citations
272	Estimating the Mass of the Milky Way Using the Ensemble of Classical Satellite Galaxies. Astrophysical Journal, 2018, 857, 78.	1.6	40
273	Multiscale representation of simulated time. Simulation, 2018, 94, 519-558.	1.1	5
274	Relativistic numerical cosmology with silent universes. Classical and Quantum Gravity, 2018, 35, 024003.	1.5	25
275	Satellite Galaxies in the Illustris-1 Simulation: Poor Tracers of the Mass Distribution. Astrophysical Journal Letters, 2018, 868, L7.	3.0	4
276	Statistics of Two-point Correlation and Network Topology for Lyman Alpha Emitters at z â‰ˆ 2.67. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	3
277	SDSS-IV MaNGA: global stellar population and gradients for about 2000 early-type and spiral galaxies on the massâ€"size plane. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1765-1775.	1.6	89
278	A gradient based method for modeling baryons and matter in halos of fast simulations. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 009-009.	1.9	23
279	A Fundamental Test for Galaxy Formation Models: Matching the Lyman-Î± Absorption Profiles of Galactic Halos Over Three Decades in Distance. Astrophysical Journal, 2018, 859, 125.	1.6	20
280	Galaxy mergers moulding the circum-galactic medium â€" I. The impact of a major merger. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1160-1176.	1.6	44
281	Î›CDM predictions for the satellite population of M33. Monthly Notices of the Royal Astronomical Society, 2018, 480, 1883-1897.	1.6	17
282	The large-scale effect of environment on galactic conformity. Monthly Notices of the Royal Astronomical Society, 2018, 477, 3136-3144.	1.6	7
283	A Review of the Theory of Galactic Winds Driven by Stellar Feedback. Galaxies, 2018, 6, 114.	1.1	63
284	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.	1.6	13
285	Towards an improved model of self-interacting dark matter haloes. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 038-038.	1.9	24
286	The Brightest Galaxies in the Dark Ages: Galaxiesâ€™ Dust Continuum Emission during the Reionization Era. Astrophysical Journal, 2018, 862, 77.	1.6	92
287	VIS^{3}COS. Astronomy and Astrophysics, 2018, 620, A186.	2.1	22
288	ETHOS â€" an effective theory of structure formation: predictions for the high-redshift Universe â€" abundance of galaxies and reionization. Monthly Notices of the Royal Astronomical Society, 2018, 477, 2886-2899.	1.6	42
289	The MUSE $Hubble$ Ultra Deep Field Survey. Astronomy and Astrophysics, 2018, 619, A27.	2.1	60

#	ARTICLE	IF	CITATIONS
290	Dwarf Galaxies as Cosmological Probes. Proceedings of the International Astronomical Union, 2018, 14, 455-463.	0.0	3
291	Cosmic dance at <i>z</i>Â~Â3: Detecting the host galaxies of the dual AGN system LBQS 0302â€"0019 and <i>Jil</i> with HAWK-I+GRAAL. Astronomy and Astrophysics, 2018, 614, L2.	2.1	3
292	The Fundamental Physics of Angular Momentum Evolution in a ΛCDM Scenario. Proceedings of the International Astronomical Union, 2018, 14, 222-227.	0.0	0
293	Angular Momentum Evolution of Galaxies: the Perspective of Hydrodynamical Simulations. Proceedings of the International Astronomical Union, 2018, 14, 208-214.	0.0	1
294	The major merger origin of the Andromeda II kinematics. Proceedings of the International Astronomical Union, 2018, 14, 62-65.	0.0	0
295	First results from the IllustrisTNG simulations: radio haloes and magnetic fields. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	643
296	Strong-lensing measurement of the total-mass-density profile out to three effective radii for z â¼ 0.5 early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 480, 431-438.	1.6	29
297	The frequency of dwarf galaxy multiples at low redshift in SDSS versus cosmological expectations. Monthly Notices of the Royal Astronomical Society, 2018, 480, 3376-3396.	1.6	33
298	Visual Analysis of Simulation Uncertainty Using Cost-Effective Sampling. , 2018, , .		0
299	Halo mass and weak galaxy-galaxy lensing profiles in rescaled cosmological N-body simulations. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	9
300	Correlations in the three-dimensional Lyman-alpha forest contaminated by high column density absorbers. Monthly Notices of the Royal Astronomical Society, 2018, 476, 3716-3728.	1.6	16
301	The impact of baryons on the matter power spectrum from the Horizon-AGN cosmological hydrodynamical simulation. Monthly Notices of the Royal Astronomical Society, 2018, 480, 3962-3977.	1.6	120
302	The fraction of dark matter within galaxies from the IllustrisTNG simulations. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1950-1975.	1.6	97
303	Statistical Properties of Paired Fixed Fields. Astrophysical Journal, 2018, 867, 137.	1.6	42
304	The Supersonic Project: rotational effects of supersonic motions on the first structures in the Universe. Monthly Notices of the Royal Astronomical Society, 2018, 481, 3108-3117.	1.6	14
305	The Active Assembly of the Virgo Cluster: Indications for Recent Group Infall From Early-type Dwarf Galaxies. Astrophysical Journal, 2018, 865, 40.	1.6	25
306	Gravitational lensing and the power spectrum of dark matter substructure: Insights from the ETHOS N -body simulations. Physical Review D, 2018, 98, .	1.6	32
307	The Missing Satellites of the Magellanic Clouds? Gaia Proper Motions of the Recently Discovered Ultra-faint Galaxies. Astrophysical Journal, 2018, 867, 19.	1.6	111

#	Article	IF	Citations
308	Tidal Features at 0.05<Âz<Â0.45 in the Hyper Suprime-Cam Subaru Strategic Program: Properties and Formation Channels. Astrophysical Journal, 2018, 866, 103.	1.6	41
309	Supermassive black holes and their feedback effects in the IllustrisTNG simulation. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4056-4072.	1.6	270
310	The host galaxies of double compact objects merging in the local Universe. Monthly Notices of the Royal Astronomical Society, 2018, 481, 5324-5330.	1.6	37
311	Exploring game performance in NBA playoffs. Kinesiology, 2018, 50, 89-96.	0.3	6
312	A census of cool-core galaxy clusters in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1809-1831.	1.6	68
313	The impact of Lyman-α radiative transfer on large-scale clustering in the Illustris simulation. Astronomy and Astrophysics, 2018, 614, A31.	2.1	23
314	Stellar halos in Illustris: probing the histories of Milky Way-mass galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4004-4016.	1.6	35
315	The origin of the diverse morphologies and kinematics of Milky Way-mass galaxies in the FIRE-2 simulations. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4133-4157.	1.6	91
316	Formation and incidence of shell galaxies in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2018, 480, 1715-1739.	1.6	55
317	History and destiny of an emerging early-type galaxy. Astronomy and Astrophysics, 2018, 614, A32.	2.1	19
318	The cosmic merger rate of neutron stars and black holes. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4391-4398.	1.6	154
319	Studying galaxy troughs and ridges using weak gravitational lensing with the Kilo-Degree Survey. Monthly Notices of the Royal Astronomical Society, 2018, 481, 5189-5209.	1.6	45
320	Ingredients for 21 cm Intensity Mapping. Astrophysical Journal, 2018, 866, 135.	1.6	139
321	Marked clustering statistics in f(R) gravity cosmologies. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4824-4835.	1.6	28
322	Dark-ages Reionization and Galaxy Formation Simulation â€" XIV. Gas accretion, cooling, and star formation in dwarf galaxies at high redshift. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1318-1335.	1.6	4
323	FIRE-2 simulations: physics versus numerics in galaxy formation. Monthly Notices of the Royal Astronomical Society, 2018, 480, 800-863.	1.6	676
324	Modeling the Atomic-to-molecular Transition in Cosmological Simulations of Galaxy Formation. Astrophysical Journal, Supplement Series, 2018, 238, 33.	3.0	71
325	The origin of the first neutron star â€" neutron star merger. Astronomy and Astrophysics, 2018, 615, A91.	2.1	85

#	Article	IF	Citations
326	Evolution of Starburst Galaxies in the Illustris Simulation. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	7
327	seurat: SPH scheme extended with ultraviolet line radiative transfer. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2664-2673.	1.6	4
328	Similar Scaling Relations for the Gas Content of Galaxies Across Environments to zÂâˆ¼Â3.5. Astrophysical Journal, 2018, 860, 111.	1.6	27
329	Andromedaâ€™s violent past. Nature Astronomy, 2018, 2, 705-706.	4.2	0
330	Introducing CGOLS: The Cholla Galactic Outflow Simulation Suite. Astrophysical Journal, 2018, 860, 135.	1.6	33
331	The Origin of the Relation between Metallicity and Size in Star-forming Galaxies. Astrophysical Journal, 2018, 859, 109.	1.6	19
332	Star Cluster Formation in Cosmological Simulations. II. Effects of Star Formation Efficiency and Stellar Feedback. Astrophysical Journal, 2018, 861, 107.	1.6	56
333	Weak Lensing for Precision Cosmology. Annual Review of Astronomy and Astrophysics, 2018, 56, 393-433.	8.1	213
334	Cluster-Based Visualization for Merger Tree Data: The Challenge of Missing Expectations. , 2018, , .		0
335	The Future of Dwarf Galaxy Research: What Simulations will Predict?. Proceedings of the International Astronomical Union, 2018, 14, 17-26.	0.0	0
336	The origin and properties of massive prolate galaxies in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2018, 473, 1489-1511.	1.6	40
337	Observational signatures of a warped disk associated with cold-flow accretion. Monthly Notices of the Royal Astronomical Society, 2018, 474, 254-270.	1.6	42
338	Simulating the effect of high column density absorbers on the one-dimensional Lymanâ€‰Î± forest flux power spectrum. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3032-3042.	1.6	23
339	The radial acceleration relation in disc galaxies in the MassiveBlack-II simulation. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3125-3132.	1.6	17
340	The structure and assembly history of cluster-sized haloes in self-interacting dark matter. Monthly Notices of the Royal Astronomical Society, 2018, 474, 746-759.	1.6	35
341	Resolved magnetic dynamo action in the simulated intracluster medium. Monthly Notices of the Royal Astronomical Society, 2018, 474, 1672-1687.	1.6	93
342	The impact of Î›CDM substructure and baryon-dark matter transition on the image positions of quad galaxy lenses. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1987-2002.	1.6	16
343	SURFS: Riding the waves with Synthetic UniveRses For Surveys. Monthly Notices of the Royal Astronomical Society, 2018, 475, 5338-5359.	1.6	50

#	Article	IF	Citations
344	The dependence of cosmic ray-driven galactic winds on halo mass. Monthly Notices of the Royal Astronomical Society, 2018, 475, 570-584.	1.6	65
345	Flux-ratio anomalies from discs and other baryonic structures in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2018, 475, 2438-2451.	1.6	44
346	Do satellite galaxies trace matter in galaxy clusters?. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4020-4026.	1.6	9
347	Galaxy Zoo: Morphological Classification of Galaxy Images from the Illustris Simulation. Astrophysical Journal, 2018, 853, 194.	1.6	20
348	Numerical Simulations of Multiphase Winds and Fountains from Star-forming Galactic Disks. I. Solar Neighborhood TIGRESS Model. Astrophysical Journal, 2018, 853, 173.	1.6	138
349	A General Precipitation-limited L_X–T–R Relation among Early-type Galaxies. Astrophysical Journal, 2018, 853, 78.	1.6	23
350	The Impact of Baryonic Physics on the Kinetic Sunyaev–Zel'dovich Effect. Astrophysical Journal, 2018, 853, 121.	1.6	14
351	An uncertainty principle for star formation – II. A new method for characterizing the cloud-scale physics of star formation and feedback across cosmic history. Monthly Notices of the Royal Astronomical Society, 2018, 479, 1866-1952.	1.6	71
352	Formation of a Malin 1 analogue in IllustrisTNG by stimulated accretion. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 480, L18-L22.	1.2	27
353	The connection between mass, environment, and slow rotation in simulated galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 476, 4327-4345.	1.6	65
354	The Andromeda galaxy's most important merger about 2 billion years ago as M32's likely progenitor. Nature Astronomy, 2018, 2, 737-743.	4.2	85
355	Reconciling volumetric and individual galaxy type Ia supernova rates. Monthly Notices of the Royal Astronomical Society, 2018, 480, 68-74.	1.6	7
356	A Simulation Research for Fare Collection Equipments on Tiyuchang Station in Xi'an Subway. Lecture Notes in Electrical Engineering, 2018, , 543-550.	0.3	0
357	Formation of globular cluster systems: from dwarf galaxies to giants. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2343-2356.	1.6	85
358	Enabling Scientific Computing on Memristive Accelerators. , 2018, , .		62
359	The cosmic microwave background and the stellar initial mass function. Monthly Notices of the Royal Astronomical Society, 2018, 480, 4265-4272.	1.6	10
360	Simulating galactic dust grain evolution on a moving mesh. Monthly Notices of the Royal Astronomical Society, 2018, 478, 2851-2886.	1.6	87
361	The impact of baryonic discs on the shapes and profiles of self-interacting dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2018, 479, 359-367.	1.6	46

#	Article	IF	Citations
362	Dark-matter-deficient galaxies in hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3298-3307.	1.6	11
363	Recoiling supermassive black holes in analytical and numerical galaxy potential. Monthly Notices of the Royal Astronomical Society, 2019, 488, 5566-5579.	1.6	1
364	The ultra-diffuse dwarf galaxies NGC 1052-DF2 and 1052-DF4 are in conflict with standard cosmology. Monthly Notices of the Royal Astronomical Society, 2019, 489, 2634-2651.	1.6	17
365	Galaxies lacking dark matter in the Illustris simulation. Astronomy and Astrophysics, 2019, 626, A47.	2.1	26
366	Black-Hole Remnants from Black-Hole–Neutron-Star Mergers. Physical Review Letters, 2019, 123, 041102.	2.9	36
367	Climbing halo merger trees with TreeFrog. Publications of the Astronomical Society of Australia, 2019, 36, .	1.3	24
368	Fast generation of covariance matrices for weak lensing. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 044-044.	1.9	18
369	The IllustrisTNG simulations: public data release. Computational Astrophysics and Cosmology, 2019, 6, .	22.7	698
370	Simulating the effect of photoheating feedback during reionization. Monthly Notices of the Royal Astronomical Society, 2019, 488, 419-437.	1.6	23
371	Detection of the self-regulation of star formation in galaxy discs. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 487, L61-L66.	1.2	9
372	Dust in and around galaxies: dust in cluster environments and its impact on gas cooling. Monthly Notices of the Royal Astronomical Society, 2019, 487, 4870-4883.	1.6	38
373	Morphology and star formation in IllustrisTNG: the build-up of spheroids and discs. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5416-5440.	1.6	109
374	Super-Eddington growth of black holes in the early universe: effects of disc radiation spectra. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2689-2700.	1.6	17
375	The galaxy–halo connection in modified gravity cosmologies: environment dependence of galaxy luminosity function. Monthly Notices of the Royal Astronomical Society, 2019, 488, 782-802.	1.6	5
376	Realistic simulations of galaxy formation in f(R) modified gravity. Nature Astronomy, 2019, 3, 945-954.	4.2	32
377	New perspectives on the BOSS small-scale lensing discrepancy for the Planck ΛCDM cosmology. Monthly Notices of the Royal Astronomical Society, 2019, 488, 5771-5787.	1.6	28
378	Photometric and kinematic misalignments and their evolution among fast and slow rotators in the illustris simulation. Monthly Notices of the Royal Astronomical Society, 2019, 489, 534-547.	1.6	1
379	The stellar halo of the Milky Way traced by blue horizontal-branch stars in the Subaru Hyper Suprime-Cam Survey. Publication of the Astronomical Society of Japan, 2019, 71, .	1.0	17

#	ARTICLE	IF	CITATIONS
380	The impact of AGN on stellar kinematics and orbits in simulated massive galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 489, 2702-2722.	1.6	17
381	First results from the TNG50 simulation: the evolution of stellar and gaseous discs across cosmic time. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3196-3233.	1.6	453
382	Massive spheroids can form in single minor mergers. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4679-4689.	1.6	9
383	Origin of the galaxy Hâ€‰iÂsizeâ€"mass relation. Monthly Notices of the Royal Astronomical Society, 2019, 490, 96-113.	1.6	31
384	Revealing the galaxyâ€"halo connection in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5693-5711.	1.6	59
385	SDSS-IV MaNGA: the inner density slopes of nearby galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 490, 2124-2138.	1.6	19
386	Simulating galaxy formation in f(R) modified gravity: matter, halo, and galaxy statistics. Monthly Notices of the Royal Astronomical Society, 2019, 490, 2507-2520.	1.6	14
387	A black box for dark sector physics: predicting dark matter annihilation feedback with conditional GANs. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3134-3143.	1.6	9
388	Imprints of temperature fluctuations on the z â^¼ 5 Lyman-Î± forest: a view from radiation-hydrodynamic simulations of reionization. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3177-3195.	1.6	33
389	Spin evolution and feedback of supermassive black holes in cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4133-4153.	1.6	36
390	Comparing galaxy clustering in Horizon-AGN simulated light-cone mocks and VIDEO observations. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5043-5056.	1.6	6
391	Early-type galaxy density profiles from IllustrisTNG â€" II. Evolutionary trend of the total density profile. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5722-5738.	1.6	19
392	Discovery of Strongly Inverted Metallicity Gradients in Dwarf Galaxies at zÂâ^¼Â2. Astrophysical Journal, 2019, 882, 94.	1.6	42
393	RedÂand dead CANDELS: massive passive galaxies at the dawn of the Universe. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3309-3328.	1.6	65
394	Identifying Kinematic Structures in Simulated Galaxies Using Unsupervised Machine Learning. Astrophysical Journal, 2019, 884, 129.	1.6	21
395	The Hubble Sequence at z â^¼ 0 in the IllustrisTNG simulation with deep learning. Monthly Notices of the Royal Astronomical Society, 2019, 489, 1859-1879.	1.6	51
396	First results from the TNG50 simulation: galactic outflows driven by supernovae and black hole feedback. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3234-3261.	1.6	510
397	The host galaxies of double compact objects across cosmic time. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4622-4631.	1.6	25

#	Article	IF	Citations
398	Satellite galaxies in the Illustris-1 simulation: anisotropic locations around relatively isolated hosts. Monthly Notices of the Royal Astronomical Society, 2019, 489, 459-469.	1.6	4
399	Characterizing the Local Relation between Star Formation Rate and Gas-phase Metallicity in MaNGA Spiral Galaxies. Astrophysical Journal, 2019, 882, 9.	1.6	30
400	A study of stellar orbit fractions: simulated IllustrisTNG galaxies compared to CALIFA observations. Monthly Notices of the Royal Astronomical Society, 2019, 489, 842-854.	1.6	19
401	Origins of scaling relations of globular cluster systems. Monthly Notices of the Royal Astronomical Society, 2019, 488, 5409-5419.	1.6	44
402	A novel scheme for Dark Matter Annihilation Feedback in cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4217-4232.	1.6	4
403	Radiative transfer distortions of Lyman Î± emitters: a new Fingers-of-God damping in the clustering in redshift space. Monthly Notices of the Royal Astronomical Society, 2019, 489, 3472-3491.	1.6	13
404	Enhancing AGN efficiency and cool-core formation with anisotropic thermal conduction. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3003-3013.	1.6	22
405	Shape of dark matter haloes in the Illustris simulation: effects of baryons. Monthly Notices of the Royal Astronomical Society, 2019, 484, 476-493.	1.6	71
406	Spatiotemporal quantification of acoustic cell patterning using VoronoÃ¯ tessellation. Lab on A Chip, 2019, 19, 562-573.	3.1	30
407	A Quantification of the Butterfly Effect in Cosmological Simulations and Implications for Galaxy Scaling Relations. Astrophysical Journal, 2019, 871, 21.	1.6	65
408	The missing light of the <i>Hubble</i> Ultra Deep Field. Astronomy and Astrophysics, 2019, 621, A133.	2.1	37
409	The distribution of dark matter in galaxies. Astronomy and Astrophysics Review, 2019, 27, 1.	9.1	155
410	Feedback from massive stars at low metallicities: MUSE observations of N44 and N180 in the Large Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5263-5288.	1.6	53
411	Automated distant galaxy merger classifications from Space Telescope images using the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2019, 486, 3702-3720.	1.6	38
412	Modeling Nearly Spherical Pure-bulge Galaxies with a Stellar Mass-to-light Ratio Gradient under the Î›CDM and MOND Paradigms. II. The Orbital Anisotropy of Slow Rotators within the Effective Radius. Astrophysical Journal, 2019, 874, 41.	1.6	9
413	Osaka feedback model: isolated disc galaxy simulations. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2632-2655.	1.6	26
414	What shapes a galaxy? â€" unraveling the role of mass, environment, and star formation in forming galactic structure. Monthly Notices of the Royal Astronomical Society, 2019, 485, 666-696.	1.6	48
415	The TNG50 Simulation of the IllustrisTNG Project: Bridging the Gap Between Large Cosmological Volumes and Resolved Galaxies. , 2019, , 5-20.		0

#	Article	IF	Citations
416	The search of potential inhibitors of the AcrAB–TolC system of multidrug-resistant Escherichia coli: an in silico approach. Applied Microbiology and Biotechnology, 2019, 103, 6309-6318.	1.7	26
417	3D Scanning Technology Bridging Microcircuits and Macroscale Brain Images in 3D Novel Embedding Overlapping Protocol. Journal of Visualized Experiments, 2019, , .	0.2	3
418	Updated results on the galaxy–halo connection from satellite kinematics in SDSS. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3112-3129.	1.6	32
419	Dipole distortions in the intergalactic medium. Monthly Notices of the Royal Astronomical Society, 2019, 487, 4181-4189.	1.6	1
420	Two merging galaxy clusters with very hot shock fronts observed shortly before pericentric passage. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3922-3934.	1.6	3
421	An Older, More Quiescent Universe from Panchromatic SED Fitting of the 3D-HST Survey. Astrophysical Journal, 2019, 877, 140.	1.6	156
422	Atomic and molecular gas in IllustrisTNG galaxies at low redshift. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1529-1550.	1.6	67
423	Galaxy formation and evolution science in the era of the Large Synoptic Survey Telescope. Nature Reviews Physics, 2019, 1, 450-462.	11.9	17
424	The properties of merging black holes and neutron stars across cosmic time. Monthly Notices of the Royal Astronomical Society, 2019, 487, 2-13.	1.6	96
425	The E-MOSAICS project: tracing galaxy formation and assembly with the age–metallicity distribution of globular clusters. Monthly Notices of the Royal Astronomical Society, 2019, 486, 3134-3179.	1.6	95
426	Dark matter stripping in galaxy clusters: a look at the stellar-to-halo mass relation in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2019, 487, 653-666.	1.6	26
427	ETHOS – an Effective Theory of Structure Formation: detecting dark matter interactions through the Lyman-α forest. Monthly Notices of the Royal Astronomical Society, 2019, 487, 522-536.	1.6	23
428	Disruption of giant molecular clouds and formation of bound star clusters under the influence of momentum stellar feedback. Monthly Notices of the Royal Astronomical Society, 2019, 487, 364-380.	1.6	62
429	Prospects for recovering galaxy intrinsic shapes from projected quantities. Monthly Notices of the Royal Astronomical Society, 2019, 487, 2354-2371.	1.6	13
430	A Deep Learning Approach to Galaxy Cluster X-Ray Masses. Astrophysical Journal, 2019, 876, 82.	1.6	55
431	ETHOS – an effective theory of structure formation: formation of the first haloes and their stars. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5474-5489.	1.6	14
432	Formation of globular cluster systems – II. Impact of the cut-off of the cluster initial mass function. Monthly Notices of the Royal Astronomical Society, 2019, 486, 331-343.	1.6	24
433	The morphology and kinematics of the gaseous circumgalactic medium of Milky Way mass galaxies – II. Comparison of IllustrisTNG and Illustris simulation results. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4686-4700.	1.6	20

#	Article	IF	Citations
434	Evaluating the ability of triaxial Schwarzschild modelling to estimate properties of galaxies from the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4753-4772.	1.6	28
435	Post-Newtonian evolution of massive black hole triplets in galactic nuclei â€" IV. Implications for LISA. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4044-4060.	1.6	91
436	The Effect of Dark Matterâ€"Dark Radiation Interactions on Halo Abundance: A Pressâ€"Schechter Approach. Astrophysical Journal, 2019, 874, 101.	1.6	16
437	Long-term FRII jet evolution: clues from three-dimensional simulations. Monthly Notices of the Royal Astronomical Society, 2019, 482, 3718-3735.	1.6	37
438	The Parallelism between Galaxy Clusters and Early-type Galaxies. I. The Light and Mass Profiles. Astrophysical Journal, 2019, 875, 103.	1.6	7
439	The formation of supermassive black holes from Population III.1 seeds. I. Cosmic formation histories and clustering properties. Monthly Notices of the Royal Astronomical Society, 2019, 483, 3592-3606.	1.6	11
440	Extreme spheres: counts-in-cells for 21cm intensity mapping. Monthly Notices of the Royal Astronomical Society, 2019, 484, 269-281.	1.6	10
441	Evaporating the Milky Way halo and its satellites with inelastic self-interacting dark matter. Monthly Notices of the Royal Astronomical Society, 2019, 484, 5437-5452.	1.6	46
442	Baryons in the Cosmic Web of IllustrisTNG â€" I: gas in knots, filaments, sheets, and voids. Monthly Notices of the Royal Astronomical Society, 2019, 486, 3766-3787.	1.6	120
443	The Auriga stellar haloes: connecting stellar population properties with accretion and merging history. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2589-2616.	1.6	113
444	Prevalence of radio jets associated with galactic outflows and feedback from quasars. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2710-2730.	1.6	111
445	How to Measure Galaxy Star Formation Histories. II. Nonparametric Models. Astrophysical Journal, 2019, 876, 3.	1.6	248
446	Core Cosmology Library: Precision Cosmological Predictions for LSST. Astrophysical Journal, Supplement Series, 2019, 242, 2.	3.0	130
447	The metallicity and elemental abundance maps of kinematically atypical galaxies for constraining minor merger and accretion histories. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3215-3223.	1.6	3
448	Cosmology from cosmic shear power spectra with Subaru Hyper Suprime-Cam first-year data. Publication of the Astronomical Society of Japan, 2019, 71, .	1.0	413
449	<scp>arepo-rt</scp>: radiation hydrodynamics on a moving mesh. Monthly Notices of the Royal Astronomical Society, 2019, 485, 117-149.	1.6	69
450	Hâ€°i galaxies with little star formation: an abundance of LIERs. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3169-3184.	1.6	10
451	Kiloparsec Scale Properties of Star Formation Driven Outflows at $z â‰ˆ 2.3$ in the SINS/zC-SINF AO Survey*. Astrophysical Journal, 2019, 873, 122.	1.6	65

#	Article	IF	Citations
452	The first supermassive black holes: indications from models for future observations. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2694-2709.	1.6	29
453	The star formation activity of IllustrisTNG galaxies: main sequence, UVJ diagram, quenched fractions, and systematics. Monthly Notices of the Royal Astronomical Society, 2019, 485, 4817-4840.	1.6	176
454	Massive BH binaries as periodically variable AGN. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1579-1594.	1.6	44
455	Consistent modelling of the meta-galactic UV background and the thermal/ionization history of the intergalactic medium. Monthly Notices of the Royal Astronomical Society, 2019, 485, 47-68.	1.6	116
456	Jellyfish galaxies with the IllustrisTNG simulations â€" I. Gas-stripping phenomena in the full cosmological context. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1042-1066.	1.6	102
457	Comparing galaxy morphology in hydrodynamical simulation and in semi-analytic model. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2083-2091.	1.6	5
458	Evolution of the Stellar Mass Function and Infrared Luminosity Function of Galaxies since $z Â= Â 1.2$. Astrophysical Journal, 2019, 873, 78.	1.6	12
459	The evolution of the baryon fraction in haloes as a cause of scatter in the galaxy stellar mass in the<scp>eagle</scp>simulation. Monthly Notices of the Royal Astronomical Society, 2019, 482, 3261-3273.	1.6	13
460	Atomic hydrogen in IllustrisTNG galaxies: the impact of environment parallelled with local 21-cm surveys. Monthly Notices of the Royal Astronomical Society, 2019, 483, 5334-5354.	1.6	75
461	The interplay of self-interacting dark matter and baryons in shaping the halo evolution. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4563-4573.	1.6	35
462	Redshift space distortion of 21â€‰cm line at 1 < z < 5 with cosmological hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2019, 484, 5389-5399.	1.6	13
463	The shapes of the rotation curves of star-forming galaxies over the last â‰ˆ10ÂGyr. Monthly Notices of the Royal Astronomical Society, 2019, 485, 934-960.	1.6	37
464	What Is Inside Matters: Simulated Green Valley Galaxies Have too Centrally Concentrated Star Formation. Astrophysical Journal Letters, 2019, 874, L17.	3.0	13
465	The Star Clusters That Make Black Hole Binaries across Cosmic Time. Astrophysical Journal, 2019, 873, 100.	1.6	33
466	Linking galaxy structural properties and star formation activity to black hole activity with IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4413-4443.	1.6	59
467	<i>Euclid</i> preparation: II. The <scp>EuclidEmulator</scp> â€" a tool to compute the cosmology dependence of the nonlinear matter power spectrum. Monthly Notices of the Royal Astronomical Society, 2019, 484, 5509-5529.	1.6	117
468	The physics of multiphase gas flows: fragmentation of a radiatively cooling gas cloud in a hot wind. Monthly Notices of the Royal Astronomical Society, 2019, 482, 5401-5421.	1.6	69
469	Associating host galaxy candidates to massive black hole binaries resolved by pulsar timing arrays. Monthly Notices of the Royal Astronomical Society, 2019, 485, 248-259.	1.6	9

#	Article	IF	Citations
470	The intricate link between galaxy dynamics and intrinsic shape (or why so-called prolate rotation is a) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.0	0
471	Alignment between Filaments and Galaxy Spins from the MaNGA Integral-field Survey. Astrophysical Journal, 2019, 876, 52.	1.6	37
472	Dark Quest. I. Fast and Accurate Emulation of Halo Clustering Statistics and Its Application to Galaxy Clustering. Astrophysical Journal, 2019, 884, 29.	1.6	126
473	Probing Massive Black Hole Binary Populations with LISA. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	44
474	Assembly of spheroid-dominated galaxies in the EAGLE simulation. Astronomy and Astrophysics, 2019, 629, A37.	2.1	14
475	Signatures of Stellar Accretion in MaNGA Early-type Galaxies. Astrophysical Journal, 2019, 880, 111.	1.6	28
476	Sloshing of Galaxy Cluster Core Plasma in the Presence of Self-interacting Dark Matter. Astrophysical Journal, 2019, 882, 119.	1.6	8
477	Weak lensing in the Horizon-AGN simulation lightcone. Astronomy and Astrophysics, 2019, 626, A72.	2.1	17
478	Bounding alternative theories of gravity with multiband GW observations. Physical Review D, 2019, 100, .	1.6	40
479	SDSS-IV MaNGA: Internal mass distributions and orbital structures of early-type galaxies and their dependence on environment. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	17
480	Inferring Galactic Parameters from Chemical Abundances: A Multi-star Approach. Astrophysical Journal, 2019, 887, 9.	1.6	2
481	The buildup of strongly barred galaxies in the TNG100 simulation. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	36
482	High-redshift test of gravity using enhanced growth of small structures probed by the neutral hydrogen distribution. Physical Review D, 2019, 100, .	1.6	5
483	The optical morphologies of galaxies in the IllustrisTNG simulation: a comparison to Pan-STARRS observations. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4140-4159.	1.6	236
484	The Number of Dwarf Satellites of Disk Galaxies versus their Bulge Mass in the Standard Model of Cosmology. Astrophysical Journal, 2019, 870, 50.	1.6	12
485	Fast radio bursts and cosmological tests. Monthly Notices of the Royal Astronomical Society, 2019, 484, 1637-1644.	1.6	58
486	The modified gravity light-cone simulation project â€" I. Statistics of matter and halo distributions. Monthly Notices of the Royal Astronomical Society, 2019, 483, 790-805.	1.6	26
487	Cosmological simulations of galaxy formation. Nature Reviews Physics, 2020, 2, 42-66.	11.9	317

#	ARTICLE	IF	CITATIONS
488	L-GALAXIES 2020: Spatially resolved cold gas phases, star formation, and chemical enrichment in galactic discs. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5795-5814.	1.6	62
489	GRAMSES: a new route to general relativistic N-body simulations in cosmology. Part I. Methodology and code description. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 007-007.	1.9	26
490	Exploring the high-mass end of the stellar mass function of star-forming galaxies at cosmic noon. Monthly Notices of the Royal Astronomical Society, 2020, 491, 3318-3335.	1.6	10
491	Exploring the effects of galaxy formation on matter clustering through a library of simulation power spectra. Monthly Notices of the Royal Astronomical Society, 2020, 491, 2424-2446.	1.6	89
492	The manifestation of secondary bias on the galaxy population from IllustrisTNG300. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1182-1196.	1.6	23
493	ALMA [N ii] 205 μm Imaging Spectroscopy of the Lensed Submillimeter Galaxy ID 141 at Redshift 4.24. Astrophysical Journal, 2020, 898, 33.	1.6	11
494	SPECULATOR: Emulating Stellar Population Synthesis for Fast and Accurate Galaxy Spectra and Photometry. Astrophysical Journal, Supplement Series, 2020, 249, 5.	3.0	33
495	Kinematic Decomposition of IllustrisTNG Disk Galaxies: Morphology and Relation with Morphological Structures. Astrophysical Journal, 2020, 895, 139.	1.6	22
496	First Gaia dynamical model of the Milky Way disc with six phase space coordinates: a test for galaxy dynamics. Monthly Notices of the Royal Astronomical Society, 2020, 494, 6001-6011.	1.6	33
497	Probing the CGM of low-redshift dwarf galaxies using FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1038-1053.	1.6	8
498	Validating a minimal galaxy bias method for cosmological parameter inference using HSC-SDSS mock catalogs. Physical Review D, 2020, 102, .	1.6	21
499	Stellar property statistics of massive haloes from cosmological hydrodynamics simulations: common kernel shapes. Monthly Notices of the Royal Astronomical Society, 2020, 495, 686-704.	1.6	26
500	Can assembly bias explain the lensing amplitude of the BOSS CMASS sample in a Planck cosmology?. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5551-5564.	1.6	20
501	The stellar mass assembly of low-redshift, massive, central galaxies in SDSS and the TNG300 simulation. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4262-4275.	1.6	6
502	Predictions for the angular dependence of gas mass flow rate and metallicity in the circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2020, 499, 2462-2473.	1.6	58
503	Simulating the spatial distribution and kinematics of globular clusters within galaxy clusters in illustris. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5357-5368.	1.6	18
504	The formation of ultradiffuse galaxies in clusters. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1848-1858.	1.6	68
505	What does strong gravitational lensing? The mass and redshift distribution of high-magnification lenses. Monthly Notices of the Royal Astronomical Society, 2020, 495, 3727-3739.	1.6	42

#	ARTICLE	IF	CITATIONS
506	AMICO galaxy clusters in KiDS-DR3: galaxy population properties and their redshift dependence. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4303-4315.	1.6	7
507	Active galactic nucleus and dwarf galaxy gas kinematics. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4562-4576.	1.6	8
508	Limitations to the â€˜basicâ€™ HOD model and beyond. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5506-5519.	1.6	60
509	A redshift-dependent IRXâ€"Î² dust attenuation relation for TNG50 galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4773-4794.	1.6	21
510	The diversity and variability of star formation histories in models of galaxy evolution. Monthly Notices of the Royal Astronomical Society, 2020, 498, 430-463.	1.6	62
511	Accretion of galaxy groups into galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3852-3862.	1.6	21
512	Efficient solution of the anisotropic spherically aligned axisymmetric Jeans equations of stellar hydrodynamics for galactic dynamics. Monthly Notices of the Royal Astronomical Society, 2020, 494, 4819-4837.	1.6	39
513	The duty cycle of radio galaxies revealed by LOFAR: remnant and restarted radio source populations in the Lockman Hole. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1706-1717.	1.6	41
514	The Cosmic Ultraviolet Baryon Survey (CUBS) â€" I. Overview and the diverse environments of Lyman limit systems at <i>z</i> < 1. Monthly Notices of the Royal Astronomical Society, 2020, 497, 498-520.	1.6	37
515	An EAGLEâ€™s view of ex situ galaxy growth. Monthly Notices of the Royal Astronomical Society, 2020, 497, 81-93.	1.6	45
516	The effect of differential accretion on the gravitational wave background and the present-day MBH binary population. Monthly Notices of the Royal Astronomical Society, 2020, 498, 537-547.	1.6	20
517	Baryonic effects on the matter bispectrum. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2887-2911.	1.6	30
518	Ejective and preventative: the IllustrisTNG black hole feedback and its effects on the thermodynamics of the gas within and around galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 499, 768-792.	1.6	100
519	Tidally induced warps of spiral galaxies in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3535-3548.	1.6	18
520	Joint galaxyâ€"galaxy lensing and clustering constraints on galaxy formation. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5804-5833.	1.6	11
521	How do central and satellite galaxies quench? â€" Insights from spatially resolved spectroscopy in the MaNGA survey. Monthly Notices of the Royal Astronomical Society, 2020, 499, 230-268.	1.6	77
522	Interacting galaxies in the IllustrisTNG simulations - I: Triggered star formation in a cosmological context. Monthly Notices of the Royal Astronomical Society, 2020, 494, 4969-4985.	1.6	49
523	Baryonic effects on CMB lensing and neutrino mass constraints. Physical Review D, 2020, 101, .	1.6	13

#	Article	IF	Citations
525	Theory Variant T0: The Foundational Postulates. , 2020, , 54-81.		0
526	The Methodology of Scientific Research Programs. , 2020, , 20-42.		0
527	The Milgromian Research Program. , 2020, , 43-53.		0
528	Theory Variant T2: A Relativistic Theory. , 2020, , 117-180.		0
529	Theory Variant T3: A Modified Hard Core. , 2020, , 181-203.		0
531	Summary / Final Thoughts. , 2020, , 223-236.		0
533	SimSpin—Constructing mock IFS kinematic data cubes. Publications of the Astronomical Society of Australia, 2020, 37, .	1.3	13
534	High-redshift *JWST* predictions from IllustrisTNG: II. Galaxy line and continuum spectral indices and dust attenuation curves. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4747-4768.	1.6	31
535	Galaxy formation with BECDM – II. Cosmic filaments and first galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2027-2044.	1.6	58
536	ART2: a 3D parallel multiwavelength radiative transfer code for continuum and atomic and molecular lines. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1919-1935.	1.6	10
537	Interpreting the Reactor Anomaly of Neutrino Data in Models with Sterile Neutrinos. Bulletin of the Russian Academy of Sciences: Physics, 2020, 84, 415-419.	0.1	0
538	Cosmological Simulation of Galaxy Groups and Clusters. I. Global Effect of Feedback from Active Galactic Nuclei. Astrophysical Journal, 2020, 889, 60.	1.6	6
539	The BUFFALO HST Survey. Astrophysical Journal, Supplement Series, 2020, 247, 64.	3.0	57
540	Galaxy assembly bias of central galaxies in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2020, 492, 2739-2754.	1.6	22
541	Early-type galaxy density profiles from IllustrisTNG – I. Galaxy correlations and the impact of baryons. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5188-5215.	1.6	26
542	A missing outskirts problem? Comparisons between stellar haloes in the Dragonfly Nearby Galaxies Survey and the TNG100 simulation. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4570-4604.	1.6	31
543	Radiative AGN feedback on a moving mesh: the impact of the galactic disc and dust physics on outflow properties. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1143-1164.	1.6	10
544	The mass of our Milky Way. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.0	69

#	Article	IF	Citations
545	DeepMerge: Classifying high-redshift merging galaxies with deep neural networks. Astronomy and Computing, 2020, 32, 100390.	0.8	27
546	One star, two stars, or both? Investigating metallicity-dependent models for gamma-ray burst progenitors with the IllustrisTNG simulation. Monthly Notices of the Royal Astronomical Society, 2020, 495, 266-277.	1.6	8
547	Subhalo destruction in the Apostle and Auriga simulations. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5780-5793.	1.6	46
548	Redshift evolution of the Fundamental Plane relation in the IllustrisTNG simulation. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5930-5939.	1.6	12
549	Quiescent Galaxies 1.5 Billion Years after the Big Bang and Their Progenitors. Astrophysical Journal, 2020, 889, 93.	1.6	117
550	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€" I. Survey description and a first look at G9.62+0.19. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2790-2820.	1.6	45
551	Cosmological insights into the assembly of the radial and compact stellar halo of the Milky Way. Monthly Notices of the Royal Astronomical Society, 2020, 495, 29-39.	1.6	19
552	High-redshift *JWST* predictions from IllustrisTNG: dust modelling and galaxy luminosity functions. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5167-5201.	1.6	99
553	Predicting star formation properties of galaxies using deep learning. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4808-4815.	1.6	8
554	On the model of the circumgalactic mist: the implications of cloud sizes in galactic winds and haloes. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5056-5072.	1.6	34
555	Baryons in the Cosmic Web of IllustrisTNG â€" II. The connection among galaxies, haloes, their formation time, and their location in the Cosmic Web. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5747-5758.	1.6	27
556	Testing the accuracy of halo occupation distribution modelling using hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5771-5788.	1.6	24
557	Are galactic star formation and quenching governed by local, global, or environmental phenomena?. Monthly Notices of the Royal Astronomical Society, 2020, 492, 96-139.	1.6	87
558	The impact of the observed baryon distribution in haloes on the total matter power spectrum. Monthly Notices of the Royal Astronomical Society, 2020, 492, 2285-2307.	1.6	44
559	Galaxy interactions in IllustrisTNG-100, I: The power and limitations of visual identification. Monthly Notices of the Royal Astronomical Society, 2020, 492, 2075-2094.	1.6	25
560	Image Simulations for Strong and Weak Gravitational Lensing. Symmetry, 2020, 12, 494.	1.1	7
561	The relationship between black hole mass and galaxy properties: examining the black hole feedback model in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2020, 493, 1888-1906.	1.6	127
562	Beyond two-point statistics: using the minimum spanning tree as a tool for cosmology. Monthly Notices of the Royal Astronomical Society, 2020, 491, 1709-1726.	1.6	20

#	ARTICLE	IF	CITATIONS
563	Cosmological simulations of massive black hole seeds: predictions for next-generation electromagnetic and gravitational wave observations. Monthly Notices of the Royal Astronomical Society, 2020, 491, 4973-4992.	1.6	20
564	The case for strangulation in low-mass hosts: DDO 113. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1713-1730.	1.6	13
565	Self-Interacting Dark Matter Subhalos in the MilkyÂWayâ€™s Tides. Physical Review Letters, 2020, 124, 141102.	2.9	52
566	The Formation History of Subhalos and the Evolution of Satellite Galaxies. Astrophysical Journal, 2020, 893, 139.	1.6	14
567	The Epistemology of Science. , 2020, , 1-19.		0
568	Theory Variant T1: A Non-relativistic Lagrangian. , 2020, , 82-116.		0
569	Multiwavelength consensus of large-scale linear bias. Monthly Notices of the Royal Astronomical Society, 2020, 493, 747-764.	1.6	3
570	Efficacy of early stellar feedback in low gas surface density environments. Monthly Notices of the Royal Astronomical Society, 2020, 491, 2088-2103.	1.6	28
571	How stars are packed in the universe: A comparison with sphere packing. Powder Technology, 2021, 381, 224-228.	2.1	3
572	Probing dark matter self-interaction with ultrafaint dwarf galaxies. Physical Review D, 2021, 103, .	1.6	18
573	Dark matter-deficient dwarf galaxies form via tidal stripping of dark matter in interactions with massive companions. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1785-1796.	1.6	30
574	TARDIS. II. Synergistic Density Reconstruction from LyαÂForest and Spectroscopic Galaxy Surveys with Applications to Protoclusters and the Cosmic Web. Astrophysical Journal, 2021, 906, 110.	1.6	13
575	The TNG50 Simulation: Highly-Resolved Galaxies in a Large Cosmological Volume to the Present Day. , 2021, , 5-22.		0
576	The Complexity and Information Content of Simulated Universes. Emergence, Complexity and Computation, 2021, , 29-56.	0.2	0
577	The origin of low-surface-brightness galaxies in the dwarf regime. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4262-4276.	1.6	29
578	Formation Channels of Single and Binary Stellar-Mass Black Holes. , 2021, , 1-65.		27
579	Cosmological Tests of the Hypothesis of Dark Matter as Bound Neutrinos. Journal of Modern Physics, 2021, 12, 1483-1517.	0.3	0
580	Estimation of the Galaxy Quenching Rate in the Illustris Simulation. Astrophysical Journal, 2021, 906, 129.	1.6	3

#	Article	IF	Citations
581	Submillimetre galaxies in cosmological hydrodynamical simulations – an opportunity for constraining feedback models. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2922-2933.	1.6	20
582	Very Large Array observations of the mini-halo and AGN feedback in the Phoenix cluster. Astronomy and Astrophysics, 2021, 646, A38.	2.1	9
583	The cosmic merger rate density of compact objects: impact of star formation, metallicity, initial mass function, and binary evolution. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4877-4889.	1.6	91
584	Using GAMA to probe the impact of small-scale galaxy physics on nonlinear redshift-space distortions. Monthly Notices of the Royal Astronomical Society, 2021, 503, 59-76.	1.6	5
585	ÎºTNG: effect of baryonic processes on weak lensing with IllustrisTNG simulations. Monthly Notices of the Royal Astronomical Society, 2021, 502, 5593-5602.	1.6	14
586	Globular clusters as tracers of the dark matter content of dwarfs in galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1661-1677.	1.6	17
587	Time delay lens modelling challenge. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1096-1123.	1.6	24
588	Hot and counter-rotating star-forming disc galaxies in IllustrisTNG and their real-world counterparts. Monthly Notices of the Royal Astronomical Society, 2021, 503, 726-742.	1.6	11
589	A massive stellar bulge in a regularly rotating galaxy 1.2 billion years after the Big Bang. Science, 2021, 371, 713-716.	6.0	53
590	Supermassive black holes in cosmological simulations I: $M_{BH} - M_*$ relation and black hole mass function. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1940-1975.	1.6	63
591	Smooth stochastic density field reconstruction. Monthly Notices of the Royal Astronomical Society, 2021, 503, 557-562.	1.6	1
592	Dust entrainment in galactic winds. Monthly Notices of the Royal Astronomical Society, 2021, 503, 336-343.	1.6	9
593	The Thermal and Gravitational Energy Densities in the Large-scale Structure of the Universe. Astrophysical Journal, 2021, 910, 32.	1.6	6
594	Morphological evolution of supermassive black hole merger hosts and multimessenger signatures. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3629-3642.	1.6	10
595	Galaxies with kinematically distinct cores in Illustris. Astronomy and Astrophysics, 2021, 647, A103.	2.1	6
596	Studying galaxy cluster morphological metrics with <scp>mock-X</scp>. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3394-3413.	1.6	5
597	Simultaneous modelling of matter power spectrum and bispectrum in the presence of baryons. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3596-3609.	1.6	23
598	Resolving discs and mergers in $z \sim 2$ heavily reddened quasars and their companion galaxies with ALMA. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5583-5599.	1.6	9

#	ARTICLE	IF	CITATIONS
599	Dynamical friction in Bose-Einstein condensed self-interacting dark matter at finite temperatures, and the Fornax dwarf spheroidal. Astronomy and Astrophysics, 2021, 647, A70.	2.1	9
600	Galaxy formation in the brane world I: overview and first results. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3867-3885.	1.6	19
601	A tale of two tails: insights from simulations into the formation of the peculiar dwarf galaxy NGC 1427A. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3387-3398.	1.6	5
602	Astrophysics Milestones for Pulsar Timing Array Gravitational-wave Detection. Astrophysical Journal Letters, 2021, 911, L34.	3.0	66
603	On the kinetic Sunyaev–Zel'dovich effect as an observational probe for halo spin bias. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4568-4582.	1.6	7
604	Gravitational lensing in LoTSS DR2: extremely faint 144-MHz radio emission from two highly magnified quasars. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 505, L36-L40.	1.2	8
605	Connection between Galaxies and H i in Circumgalactic and Intergalactic Media: Variation according to Galaxy Stellar Mass and Star Formation Activity. Astrophysical Journal, 2021, 911, 98.	1.6	7
606	The splashback boundary of haloes in hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4649-4666.	1.6	24
607	A flexible modelling of galaxy assembly bias. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5205-5220.	1.6	25
608	Properties of the ionized CGM and IGM: tests for galaxy formation models from the Sunyaev–Zel'dovich effect. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5131-5143.	1.6	20
609	A novel approach to investigate chemical inhomogeneities in GRB host galaxies: the Zabs–Zemiss relation. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5992-6007.	1.6	5
610	The impact of magnetic fields on cosmological galaxy mergers – I. Reshaping gas and stellar discs. Monthly Notices of the Royal Astronomical Society, 2021, 506, 229-255.	1.6	14
611	The morphology of star-forming gas and its alignment with galaxies and dark matter haloes in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2021, 505, 65-87.	1.6	5
612	The galaxy size–halo mass scaling relations and clustering properties of central and satellite galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3192-3205.	1.6	15
613	Characterizing hydrostatic mass bias with <scp>mock-X</scp>. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2533-2550.	1.6	22
614	Morphological Types of DM Halos in Milky Way-like Galaxies in the TNG50 Simulation: Simple, Twisted, or Stretched. Astrophysical Journal, 2021, 913, 36.	1.6	15
615	Revisiting the tension between fast bars and the ΛCDM paradigm. Astronomy and Astrophysics, 2021, 650, L16.	2.1	38
616	Predicting Localized Primordial Star Formation with Deep Convolutional Neural Networks. Astrophysical Journal, Supplement Series, 2021, 254, 41.	3.0	3

#	ARTICLE	IF	CITATIONS
617	The MUSE Hubble Ultra Deep Field Survey. XVI. The angular momentum of low-mass star-forming galaxies: A cautionary tale and insights from TNG50. Astronomy and Astrophysics, 0, , .	2.1	9
618	Does jackknife scale really matter for accurate large-scale structure covariances?. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5833-5845.	1.6	7
619	Gas-phase metallicity gradients of TNG50 star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3024-3048.	1.6	40
620	AGNIFS survey of local AGN: GMOS-IFU data and outflows in 30 sources. Monthly Notices of the Royal Astronomical Society, 2021, 507, 74-89.	1.6	30
621	The physical origins and dominant emission mechanisms of Lyman alpha haloes: results from the TNG50 simulation in comparison to MUSE observations. Monthly Notices of the Royal Astronomical Society, 2021, 506, 5129-5152.	1.6	38
622	The CAMELS Project: Cosmology and Astrophysics with Machine-learning Simulations. Astrophysical Journal, 2021, 915, 71.	1.6	113
623	Quenched fractions in the IllustrisTNG simulations: comparison with observations and other theoretical models. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4760-4780.	1.6	66
624	High eccentricities and high masses characterize gravitational-wave captures in galactic nuclei as seen by Earth-based detectors. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1665-1696.	1.6	34
625	The central densities of Milky Way-mass galaxies in cold and self-interacting dark matter models. Monthly Notices of the Royal Astronomical Society, 2021, 507, 720-729.	1.6	31
626	Towards robust determination of non-parametric morphologies in marginal astronomical data: resolving uncertainties with cosmological hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2021, 507, 886-903.	1.6	13
627	Introducing the NEWHORIZON simulation: Galaxy properties with resolved internal dynamics across cosmic time. Astronomy and Astrophysics, 2021, 651, A109.	2.1	88
628	The BACCO simulation project: a baryonification emulator with neural networks. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4070-4082.	1.6	40
629	Investigating cosmological GAN emulators using latent space interpolation. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3049-3067.	1.6	5
630	Void Galaxy Distribution: A Challenge for ΛCDM. Astrophysical Journal Letters, 2021, 916, L24.	3.0	8
631	Inferring the Morphology of Stellar Distribution in TNG50: Twisted and Twisted-stretched Shapes. Astrophysical Journal, 2021, 918, 7.	1.6	9
632	Mapping accreted stars in early-type galaxies across the mass–size plane. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3089-3112.	1.6	13
633	Spatially resolved star formation and inside-out quenching in the TNG50 simulation and 3D-HST observations. Monthly Notices of the Royal Astronomical Society, 2021, 508, 219-235.	1.6	56
634	Formation of massive disc galaxies in the IllustrisTNG simulation. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3301-3311.	1.6	17

#	Article	IF	Citations
635	Dynamical Model of the Milky Way Using APOGEE and Gaia Data. Astrophysical Journal, 2021, 916, 112.	1.6	20
636	Reconstructing <scp>Hâ€‰i</scp> power spectrum with minimal parameters using the dark matter distribution beyond haloes. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2937-2948.	1.6	1
637	Impact of gas-based seeding on supermassive black hole populations at <i>z</i> â‰¥ 7. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2012-2036.	1.6	5
638	Flattened structures of dwarf satellites around massive host galaxies in the MATLAS low-to-moderate density fields. Astronomy and Astrophysics, 2021, 654, A161.	2.1	13
639	MAHGIC: a Model Adapter for the Haloâ€"Galaxy Inter-Connection. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2510-2530.	1.6	6
640	Cosmological Simulations of Quasar Fueling to Subparsec Scales Using Lagrangian Hyper-refinement. Astrophysical Journal, 2021, 917, 53.	1.6	49
641	HST grism spectroscopy of <i>z</i> â˜¼ 3 massive quiescent galaxies. Astronomy and Astrophysics, 2021, 653, A32.	2.1	20
642	Predictions for anisotropic X-ray signatures in the circumgalactic medium: imprints of supermassive black hole driven outflows. Monthly Notices of the Royal Astronomical Society, 2021, 508, 1563-1581.	1.6	21
643	Galaxy assembly bias and large-scale distribution: a comparison between IllustrisTNG and a semi-analytic model. Monthly Notices of the Royal Astronomical Society, 2021, 508, 698-718.	1.6	22
644	The Progress of Three Astrophysics Simulation Methods: Monte-Carlo, PIC and MHD. Journal of Physics: Conference Series, 2021, 2012, 012136.	0.3	2
645	The importance of mock observations in validating galaxy properties for cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3321-3336.	1.6	4
646	On the influence of halo mass accretion history on galaxy properties and assembly bias. Monthly Notices of the Royal Astronomical Society, 2021, 508, 940-949.	1.6	19
647	AGN and star formation at cosmic noon: comparison of data to theoretical models. Monthly Notices of the Royal Astronomical Society, 2021, 508, 762-780.	1.6	5
648	A flexible subhalo abundance matching model for galaxy clustering in redshift space. Monthly Notices of the Royal Astronomical Society, 2021, 508, 175-189.	1.6	26
649	Fast galaxy bars continue to challenge standard cosmology. Monthly Notices of the Royal Astronomical Society, 2021, 508, 926-939.	1.6	36
650	Quiescent ultra-diffuse galaxies in the field originating from backsplash orbits. Nature Astronomy, 2021, 5, 1255-1260.	4.2	32
651	A [Câ€‰ii] 158â€‰Î¼m emitter associated with an Oâ€‰i absorber at the end of the reionization epoch. Nature Astronomy, 2021, 5, 1110-1117.	4.2	9
652	Intergalactic Medium Dispersion Measures of Fast Radio Bursts Estimated from IllustrisTNG Simulation and Their Cosmological Applications. Astrophysical Journal, 2021, 906, 49.	1.6	26

#	Article	IF	Citations
653	Gravitational self-lensing in populations of massive black hole binaries. Monthly Notices of the Royal Astronomical Society, 2021, 508, 2524-2536.	1.6	10
654	Simulated X-ray emission in galaxy clusters with feedback from active galactic nuclei. Astronomische Nachrichten, 2021, 342, 164-170.	0.6	2
655	Comparing galaxy formation in the L-GALAXIES semi-analytical model and the IllustrisTNG simulations. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1051-1069.	1.6	22
656	HELP: The Herschel Extragalactic Legacy Project and The Coming of Age of Multi-wavelength Astrophysics. Thirty Years of Astronomical Discovery With UKIRT, 2016, , 71-77.	0.3	20
657	Explaining the Formation of Bulges with MOND. Astrophysics and Space Science Library, 2016, , 413-428.	1.0	5
659	Evidence for the inside-out growth of the stellar mass distribution in galaxy clusters since z~1. Astronomy and Astrophysics, 2015, 577, A19.	2.1	49
660	Space density distribution of galaxies in the absolute magnitude – rotation velocity plane: a volume-complete Tully-Fisher relation from CALIFA stellar kinematics. Astronomy and Astrophysics, 2016, 593, A114.	2.1	9
661	Identification of filamentary structures in the environment of superclusters of galaxies in the Local Universe. Astronomy and Astrophysics, 2020, 637, A31.	2.1	15
662	Simulations of satellite tidal debris in the Milky Way halo. Astronomy and Astrophysics, 2020, 636, A106.	2.1	6
663	Towards a consistent framework of comparing galaxy mergers in observations and simulations. Astronomy and Astrophysics, 2020, 644, A87.	2.1	15
664	Morphology and surface photometry of a sample of isolated early-type galaxies from deep imaging. Astronomy and Astrophysics, 2020, 640, A38.	2.1	10
665	The parallelism between galaxy clusters and early-type galaxies. Astronomy and Astrophysics, 2020, 641, A94.	2.1	12
666	A hydrodynamical halo model for weak-lensing cross correlations. Astronomy and Astrophysics, 2020, 641, A130.	2.1	39
667	The parallelism between galaxy clusters and early-type galaxies. Astronomy and Astrophysics, 2020, 643, A136.	2.1	8
668	The impact of mass map truncation on strong lensing simulations. Astronomy and Astrophysics, 2020, 644, A108.	2.1	9
669	Imprint of baryons and massive neutrinos on velocity statistics. Astronomy and Astrophysics, 2020, 644, A170.	2.1	5
670	simba: the average properties of the circumgalactic medium of $2≲z≲3$ quasars are determined primarily by stellar feedback. Monthly Notices of the Royal Astronomical Society, 2020, 499, 2760-2784.	1.6	18
671	Quenched fractions in the IllustrisTNG simulations: the roles of AGN feedback, environment, and pre-processing. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4004-4024.	1.6	86

#	ARTICLE	IF	CITATIONS
672	The effects of subgrid models on the properties of giant molecular clouds in galaxy formation simulations. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5862-5872.	1.6	20
673	Interaction of a cold cloud with a hot wind: the regimes of cloud growth and destruction and the impact of magnetic fields. Monthly Notices of the Royal Astronomical Society, 2020, 499, 4261-4281.	1.6	72
674	The distinct stellar-to-halo mass relations of satellite and central galaxies: insights from the IllustrisTNG simulations. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3957-3975.	1.6	32
675	Molecular hydrogen in IllustrisTNG galaxies: carefully comparing signatures of environment with local CO and SFR data. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3158-3178.	1.6	25
676	Is there enough star formation in simulated protoclusters?. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1803-1822.	1.6	17
677	First Light And Reionisation Epoch Simulations (FLARES) II: The Photometric Properties of High-Redshift Galaxies. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	46
678	<scp>Emerge</scp>: Empirical predictions of galaxy merger rates since <i>z</i> â^¼ 6. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	25
679	Massive black hole binary inspiral and spin evolution in a cosmological framework. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2531-2546.	1.6	14
680	A deep learning approach to test the small-scale galaxy morphology and its relationship with star formation activity in hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2021, 501, 4359-4382.	1.6	38
681	Determining star formation rates in active galactic nuclei hosts via stellar population synthesis. Monthly Notices of the Royal Astronomical Society, 2021, 501, 4064-4079.	1.6	26
682	Blinded challenge for precision cosmology with large-scale structure: Results from effective field theory for the redshift-space galaxy power spectrum. Physical Review D, 2020, 102, .	1.6	86
683	Modelling baryonic feedback for survey cosmology. , 2019, 2, .		103
684	The ALMA Spectroscopic Survey in the HUDF: the Molecular Gas Content of Galaxies and Tensions with IllustrisTNG and the Santa Cruz SAM. Astrophysical Journal, 2019, 882, 137.	1.6	65
685	Tidal Destruction in a Low-mass Galaxy Environment: The Discovery of Tidal Tails around DDO 44*. Astrophysical Journal, 2019, 886, 109.	1.6	21
686	Stellar Feedback and Resolved Stellar IFU Spectroscopy in the Nearby Spiral Galaxy NGC 300. Astrophysical Journal, 2020, 891, 25.	1.6	35
687	Kinematics and Dynamics of Multiphase Outflows in Simulations of the Star-forming Galactic Interstellar Medium. Astrophysical Journal, 2020, 894, 12.	1.6	26
688	The Angular Momentum of the Circumgalactic Medium in the TNG100 Simulation. Astrophysical Journal, 2020, 895, 17.	1.6	26
689	The Physical Nature of Starburst-driven Galactic Outflows. Astrophysical Journal, 2020, 895, 43.	1.6	83

#	ARTICLE	IF	CITATIONS
690	Correlations between Black Holes and Host Galaxies in the Illustris and IllustrisTNG Simulations. Astrophysical Journal, 2020, 895, 102.	1.6	24
691	Star Formation in Massive Galaxies at Redshift z ∼ 0.5. Astrophysical Journal, 2020, 895, 100.	1.6	8
692	Constraints on Dynamical Dark Energy Models from the Abundance of Massive Galaxies at High Redshifts. Astrophysical Journal, 2020, 900, 108.	1.6	9
693	REQUIEM-2D Methodology: Spatially Resolved Stellar Populations of Massive Lensed Quiescent Galaxies from Hubble Space Telescope 2D Grism Spectroscopy. Astrophysical Journal, 2020, 900, 184.	1.6	15
694	A Census of Sub-kiloparsec Resolution Metallicity Gradients in Star-forming Galaxies at Cosmic Noon from HST Slitless Spectroscopy. Astrophysical Journal, 2020, 900, 183.	1.6	26
695	How Do Galaxy Properties Affect Void Statistics?. Astrophysical Journal, 2020, 901, 87.	1.6	10
696	The Massive Ancient Galaxies at z>3 NEar-infrared (MAGAZ3NE) Survey: Confirmation of Extremely Rapid Star Formation and Quenching Timescales for Massive Galaxies in the Early Universe*. Astrophysical Journal, 2020, 903, 47.	1.6	60
697	Local and Global Gas Metallicity versus Stellar Age Relation in MaNGA Galaxies. Astrophysical Journal, 2020, 903, 52.	1.6	10
698	Massive Black Hole Merger Rates: The Effect of Kiloparsec Separation Wandering and Supernova Feedback. Astrophysical Journal, 2020, 904, 16.	1.6	47
699	Evolution of C iv Absorbers. I. The Cosmic Incidence. Astrophysical Journal, 2020, 904, 44.	1.6	17
700	Revisiting the Relationship between the Long GRB Rate and Cosmic Star Formation History Based on a Large Swift Sample. Astrophysical Journal, Supplement Series, 2020, 248, 21.	3.0	3
701	On the Scatter of the Present-day Stellar Metallicity–Mass Relation of Cluster Dwarf Galaxies. Research Notes of the AAS, 2018, 2, 6.	0.3	4
702	Indigenous sciences are not pseudosciences. Ideas in Ecology and Evolution, 0, 7, .	0.1	5
704	Bringing faint active galactic nuclei (AGNs) to light: a view from large-scale cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2021, 508, 4816-4843.	1.6	8
705	The Evolutionary Pathways of Disk-, Bulge-, and Halo-dominated Galaxies. Astrophysical Journal, 2021, 919, 135.	1.6	15
706	Empirical formulae to describe some physical properties of small groups of protogalaxies with multiplicity. Research in Astronomy and Astrophysics, 2021, 21, 198.	0.7	0
707	Model Universe recreates evolution of the cosmos. Nature, 0, , .	13.7	0
708	Lessons from the Local Group (and Beyond) on Dark Matter. , 2015, , 337-352.		1

#	ARTICLE	IF	CITATIONS
710	Growth and feedback from the first black holes. , 2019, , 177-194.		1
711	Spectro-imaging forward model of red and blue galaxies. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 050-050.	1.9	7
712	Red Satellite Galaxies: The Best Tracers of Host-mass Distribution in the Illustris-TNG100 Simulation. Research Notes of the AAS, 2020, 4, 125.	0.3	1
713	Galactic Haloes from Self-Interacting Neutrinos. Journal of Modern Physics, 2020, 11, 854-885.	0.3	1
714	Group-scale intrinsic galaxy alignments in the Illustris-TNG and MassiveBlack-II simulations. Monthly Notices of the Royal Astronomical Society, 2021, 501, 5859-5872.	1.6	7
715	Baryonic imprints on DM haloes: population statistics from dwarf galaxies to galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3441-3461.	1.6	17
716	EXAMAG: Towards Exascale Simulations of the Magnetic Universe. Lecture Notes in Computational Science and Engineering, 2020, , 331-350.	0.1	0
717	Nuclear ionised outflows in a sample of 30 local galaxies. Proceedings of the International Astronomical Union, 2019, 15, 249-254.	0.0	0
718	Quenched, bulge-dominated, but dynamically cold galaxies in IllustrisTNG and their real-world counterparts. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5062-5074.	1.6	2
719	Massive black hole evolution models confronting the n-Hz amplitude of the stochastic gravitational wave background. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3488-3503.	1.6	22
720	Gas flows in galaxy mergers: supersonic turbulence in bridges, accretion from the circumgalactic medium, and metallicity dilution. Monthly Notices of the Royal Astronomical Society, 2021, 509, 2720-2735.	1.6	18
721	Supermassive black holes in cosmological simulations â€" II: the AGN population and predictions for upcoming X-ray missions. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3015-3042.	1.6	27
722	From large-scale environment to CGM angular momentum to star forming activities â€" II. Quenched galaxies. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	12
723	The Impact of Baryonic Physics on the Abundance, Clustering, and Concentration of Halos. Astrophysical Journal, 2021, 921, 112.	1.6	16
724	A thick-disk galaxy model and simulations of equal-mass galaxy pair collisions. Research in Astronomy and Astrophysics, 2020, 20, 189.	0.7	0
725	IllustrisTNG and S2COSMOS: possible conflicts in the evolution of neutral gas and dust. Monthly Notices of the Royal Astronomical Society, 2020, 500, 871-888.	1.6	3
726	Stellar and weak lensing profiles of massive galaxies in the Hyper-Suprime Cam survey and in hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2020, 500, 432-447.	1.6	15
727	Basic considerations for the observability of kinematically offset binary AGN. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4065-4077.	1.6	11

#	Article	IF	Citations
728	Past, Present, and Future of the Scaling Relations of Galaxies and Active Galactic Nuclei. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	15
729	A stringent upper limit on dark matter self-interaction cross-section from cluster strong lensing. Monthly Notices of the Royal Astronomical Society, 2021, 510, 54-81.	1.6	40
730	The Four Cosmic Tidal Web Elements from the Î²-skeleton. Astrophysical Journal, 2021, 922, 204.	1.6	1
731	Impact of gas spin and Lymanâ€"Werner flux on black hole seed formation in cosmological simulations: implications for direct collapse. Monthly Notices of the Royal Astronomical Society, 2021, 510, 177-196.	1.6	3
732	Merger Histories and Environments of Dwarf AGN in IllustrisTNG. Astrophysical Journal, 2021, 922, 127.	1.6	8
733	Relative effect of nodes and filaments of the cosmic web on the quenching of galaxies and the orientation of their spin. Astronomy and Astrophysics, 2022, 658, A113.	2.1	10
734	Systematic Errors Induced by the Elliptical Power-law model in Galaxyâ€"Galaxy Strong Lens Modeling. Research in Astronomy and Astrophysics, 2022, 22, 025014.	0.7	9
735	Massive Black-Hole Mergers. , 2021, , 1-33.		2
736	Multiple stellar populations in Schwarzschild modeling and the application to the Fornax dwarf. Astronomy and Astrophysics, 2022, 659, A119.	2.1	1
737	A new measurement of the Hubble constant using fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2022, 511, 662-667.	1.6	31
738	BASS XXXI: Outflow scaling relations in low redshift X-ray AGN host galaxies with MUSE. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2105-2124.	1.6	18
739	High-redshift predictions from IllustrisTNG â€" III. Infrared luminosity functions, obscured star formation, and dust temperature of high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5560-5578.	1.6	26
740	The quenching of galaxies, bulges, and disks since cosmic noon. Astronomy and Astrophysics, 2022, 659, A160.	2.1	33
741	The<scp>thesan</scp>project: properties of the intergalactic medium and its connection to reionization-era galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 512, 4909-4933.	1.6	44
742	Quasar feedback survey: multiphase outflows, turbulence, and evidence for feedback caused by low power radio jets inclined into the galaxy disc. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1608-1628.	1.6	32
743	Co-evolution of massive black holes and their host galaxies at high redshift: discrepancies from six cosmological simulations and the key role of <i>JWST</i>. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3751-3767.	1.6	27
744	Mass of the dynamically hot inner stellar halo predicts the ancient accreted stellar mass. Astronomy and Astrophysics, 2022, 660, A20.	2.1	15
745	Constraints on self-interacting Bose-Einstein condensate dark matter using large-scale observables. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 005.	1.9	8

#	Article	IF	Citations
746	A Hydro-particle-mesh Code for Efficient and Rapid Simulations of the Intracluster Medium. Astrophysical Journal, 2022, 925, 134.	1.6	1
747	Intrinsic alignments in IllustrisTNG and their implications for weak lensing: Tidal shearing and tidal torquing mechanisms put to the test. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2049-2072.	1.6	6
748	Emergence of galactic morphologies at cosmic dawn: input from numerical modelling. Monthly Notices of the Royal Astronomical Society, 2022, 513, 693-712.	1.6	2
749	The High Fraction of Thin Disk Galaxies Continues to Challenge ΛCDM Cosmology. Astrophysical Journal, 2022, 925, 183.	1.6	15
750	What drives galaxy quenching? A deep connection between galaxy kinematics and quenching in the local Universe. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1913-1941.	1.6	17
751	The Close AGN Reference Survey (CARS). Astronomy and Astrophysics, 2022, 659, A125.	2.1	15
752	Emulation of baryonic effects on the matter power spectrum and constraints from galaxy cluster data. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 046.	1.9	30
753	On the quenching of star formation in observed and simulated central galaxies: evidence for the role of integrated AGN feedback. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1052-1090.	1.6	45
754	CosmoVis: An Interactive Visual Analysis Tool for Exploring Hydrodynamic Cosmological Simulations. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 2909-2925.	2.9	2
755	Solitons in the dark: First approach to non-linear structure formation with fuzzy dark matter. Astronomy and Astrophysics, 2022, 662, A29.	2.1	15
756	The column densities of molecular gas across cosmic time: bridging observations and simulations. Monthly Notices of the Royal Astronomical Society, 2022, 512, 4736-4751.	1.6	6
757	Local Group timing argument and virial theorem mass estimators from cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2022, 511, 6193-6204.	1.6	9
758	Detecting Preheating in Protoclusters with Lyα Forest Tomography. Astrophysical Journal, 2022, 927, 53.	1.6	5
759	The evolution of the barred galaxy population in the TNG50 simulation. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5339-5357.	1.6	26
760	Scatter in the satellite galaxy SHMR: fitting functions, scaling relations, and physical processes from the IllustrisTNG simulation. Monthly Notices of the Royal Astronomical Society, 2022, 512, 6021-6037.	1.6	4
761	Cold and hot gas distribution around the Milky-Way – M31 system in the HESTIA simulations. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3717-3737.	1.6	9
762	Eigenmode analysis of perturbations in the primordial medium at and before recombination. Astronomy and Astrophysics, 0, , .	2.1	1
763	Quenching of Massive Disk Galaxies in the IllustrisTNG Simulation. Astrophysical Journal, 2022, 928, 100.	1.6	9

#	Article	IF	Citations
764	Cosmological direct detection of dark energy: Non-linear structure formation signatures of dark energy scattering with visible matter. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1885-1905.	1.6	21
765	Galactic angular momentum in the IllustrisTNG simulation â€" I. Connection to morphology, halo spin, and black hole mass. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5978-5994.	1.6	21
766	The ‹scp›thesan‹/scp› project: Lyman-α emission and transmission during the Epoch of Reionization. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3243-3265.	1.6	36
767	Formation and fate of low-metallicity stars in TNG50. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3602-3615.	1.6	4
768	High and low Sérsic index bulges in Milky Way- and M31-like galaxies: origin and connection to the bar with TNG50. Monthly Notices of the Royal Astronomical Society, 2022, 512, 2537-2555.	1.6	9
769	Gemini NIFS survey of feeding and feedback processes in nearby active galaxies â€" VI. Stellar populations. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3906-3921.	1.6	12
770	The Close AGN Reference Survey (CARS). Astronomy and Astrophysics, 2022, 659, A124.	2.1	13
771	Illustrating galaxyâ€"halo connection in the DESI era with ‹scp›illustrisTNG‹/scp›. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5793-5811.	1.6	18
772	Cold Gas in Massive Galaxies as a Critical Test of Black Hole Feedback Models. Astrophysical Journal, 2022, 927, 189.	1.6	3
773	Testing the Momentum-driven Supernova Feedback Paradigm in M31. Astrophysical Journal, 2022, 928, 54.	1.6	2
774	Black hole weather forecasting with Deep Learning: A pilot study. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	3
775	The fundamental plane in the hierarchical context. Astronomy and Astrophysics, 0, , .	2.1	3
776	Direct detection of mirror matter in Twin Higgs models. Journal of High Energy Physics, 2021, 2021, 1.	1.6	14
777	ACACIA: a new method to produce on-the-fly merger trees in the ‹scp›ramses‹/scp› code. Monthly Notices of the Royal Astronomical Society, 2021, 510, 959-979.	1.6	0
778	The large-scale distribution of ionized metals in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2021, 510, 399-412.	1.6	6
779	Lensing Magnification Seen by Gravitational Wave Detectors. Universe, 2022, 8, 19.	0.9	4
780	A Comparison of Circumgalactic Mg ii Absorption between the TNG50 Simulation and the MEGAFLOW Survey. Astrophysical Journal, 2021, 923, 56.	1.6	12
781	The combined and respective roles of imaging and stellar kinematics in identifying galaxy merger remnants. Monthly Notices of the Royal Astronomical Society, 2022, 511, 100-119.	1.6	21

#	ARTICLE	IF	CITATIONS
782	Tomography of the Ie-Re and L-Sigma Planes. Universe, 2022, 8, 8.	0.9	3
783	Properties of the Environment of Galaxies in Clusters of Galaxies CL 0024+1654 and RX J0152.7â€ 1357. Journal of Mathematical and Fundamental Sciences, 2021, 53, 428-250.	0.3	0
784	The dark matter haloes of HI selected galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2585-2599.	1.6	4
785	Galaxy velocity bias in cosmological simulations: towards per cent-level calibration. Monthly Notices of the Royal Astronomical Society, 2022, 510, 2980-2997.	1.6	12
786	On the environmental influence of groups and clusters of galaxies beyond the virial radius: Galactic conformity at few Mpc scales. Monthly Notices of the Royal Astronomical Society, 2022, 513, 2271-2284.	1.6	12
787	The Quasar Feedback Survey: revealing the interplay of jets, winds, and emission-line gas in type 2 quasars with radio polarization. Monthly Notices of the Royal Astronomical Society, 2022, 513, 4208-4223.	1.6	10
788	The halo-finding problem revisited: a deep revision of the ASOHF code. Astronomy and Astrophysics, 2022, 664, A42.	2.1	3
789	Cosmological simulations predict that AGN preferentially live in gas-rich, star-forming galaxies despite effective feedback. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2936-2957.	1.6	31
790	Disc instability and bar formation: view from the IllustrisTNG simulations. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1006-1020.	1.6	11
791	Mimicking the haloâ€"galaxy connection using machine learning. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2463-2478.	1.6	13
792	Coevolution of Brightest Cluster Galaxies and Their Host Clusters in IllustrisTNG. Astrophysical Journal, 2022, 931, 31.	1.6	2
793	Early-type galaxy density profiles from IllustrisTNG â€" III. Effects on outer kinematic structure. Monthly Notices of the Royal Astronomical Society, 2022, 513, 6134-6151.	1.6	3
794	The Next Generation Virgo Cluster Survey. XXXIII. Stellar Population Gradients in the Virgo Cluster Core Globular Cluster System. Astrophysical Journal, 2022, 931, 120.	1.6	3
795	Electromagnetic counterparts to massive black-hole mergers. Living Reviews in Relativity, 2022, 25, .	8.2	26
796	The formation of low surface brightness galaxies in the IllustrisTNG simulation. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5840-5852.	1.6	8
797	Modeling the kinematics of globular cluster systems. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4736-4755.	1.6	9
798	Exploring the effect of baryons on the radial distribution of satellite galaxies with GAMA and IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4676-4695.	1.6	2
799	iMaNGA: mock MaNGA galaxies based on IllustrisTNG and MaStar SSPs â€" I. Construction and analysis of the mock data cubes. Monthly Notices of the Royal Astronomical Society, 2022, 515, 320-338.	1.6	14

#	ARTICLE	IF	CITATIONS
800	Connecting Primordial Star-forming Regions and Second-generation Star Formation in the Phoenix Simulations. Astrophysical Journal, 2022, 932, 71.	1.6	3
801	Morphological decomposition of TNG50 galaxies: methodology and catalogue. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1524-1543.	1.6	12
802	Realistic synthetic integral field spectroscopy with RealSim-IFS. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2821-2838.	1.6	9
803	Massive Black-Hole Mergers. , 2022, , 851-883.		0
804	Formation Channels of Single and Binary Stellar-Mass Black Holes. , 2022, , 705-769.		2
805	On the formation of massive quiescent galaxies with diverse morphologies in the TNG50 simulation. Monthly Notices of the Royal Astronomical Society, 2022, 515, 213-228.	1.6	16
806	From Galactic Bars to the Hubble Tension: Weighing Up the Astrophysical Evidence for Milgromian Gravity. Symmetry, 2022, 14, 1331.	1.1	50
807	The Distribution of Satellite Galaxies in the IllustrisTNG100 Simulation. Astrophysical Journal, 2022, 933, 161.	1.6	5
808	The Low-redshift LyÎ± Forest as a Constraint for Models of AGN Feedback. Astrophysical Journal Letters, 2022, 933, L46.	3.0	8
809	The Circumgalactic Medium from the CAMELS Simulations: Forecasting Constraints on Feedback Processes from Future Sunyaevâ€"Zeldovich Observations. Astrophysical Journal, 2022, 933, 133.	1.6	11
810	A stochastic model to reproduce the star formation history of individual galaxies in hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2022, 515, 3249-3269.	1.6	3
811	Concordance between Observations and Simulations in the Evolution of the Mass Relation between Supermassive Black Holes and Their Host Galaxies. Astrophysical Journal, 2022, 933, 132.	1.6	6
812	Modelling the galaxyâ€"halo connection with machine learning. Monthly Notices of the Royal Astronomical Society, 2022, 515, 2733-2746.	1.6	18
813	Response approach to the integrated shear 3-point correlation function: the impact of baryonic effects on small scales. Monthly Notices of the Royal Astronomical Society, 2022, 515, 4639-4654.	1.6	7
814	The very knotty lenser: Exploring the role of regularization in source and potential reconstructions using Gaussian process regression. Monthly Notices of the Royal Astronomical Society, 2022, 516, 1347-1372.	1.6	12
815	Reaching for the Edge I: probing the outskirts of massive galaxies with HSC, DECaLS, SDSS, and Dragonfly. Monthly Notices of the Royal Astronomical Society, 2022, 515, 5335-5357.	1.6	9
816	Simultaneous Dependence of Matter Clustering on Scale and Environment. Astrophysical Journal, 2022, 934, 112.	1.6	3
817	The impact of galactic feedback on the shapes of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2022, 515, 2681-2697.	1.6	11

#	Article	IF	Citations
818	Spatial Distribution of Dark Matter in and Around Galaxy Clusters Traced by Galaxies, Gas, and Intracluster Stars in a Simulated Universe. Astrophysical Journal, 2022, 934, 43.	1.6	1
819	Cosmological simulations of self-interacting Bose-Einstein condensate dark matter. Astronomy and Astrophysics, 2022, 666, A95.	2.1	7
820	UV to submillimetre luminosity functions of TNG50 galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 516, 3728-3749.	1.6	9
821	Inferring Halo Masses with Graph Neural Networks. Astrophysical Journal, 2022, 935, 30.	1.6	19
822	Two can play at that game: constraining the role of supernova and AGN feedback in dwarf galaxies with cosmological zoom-in simulations. Monthly Notices of the Royal Astronomical Society, 2022, 516, 2112-2141.	1.6	24
823	Spin-driven jet feedback in idealized simulations of galaxy groups and clusters. Monthly Notices of the Royal Astronomical Society, 2022, 516, 3750-3772.	1.6	13
824	The feasibility of constraining DM interactions with high-redshift observations by $JWST$. Monthly Notices of the Royal Astronomical Society, 2022, 516, 1524-1538.	1.6	6
825	Galaxy formation in the Santa Cruz semi-analytic model compared with IllustrisTNG – I. Galaxy scaling relations, dispersions, and residuals at z = 0. Monthly Notices of the Royal Astronomical Society, 2022, 517, 6091-6111.	1.6	10
826	Probing the z ≳ 6 quasars in a universe with IllustrisTNG physics: impact of gas-based black hole seeding models. Monthly Notices of the Royal Astronomical Society, 2022, 516, 138-157.	1.6	6
827	Introduction to Dark Matter. , 2023, , 1-30.		0
828	A non-linear solution to the S8 tension?. Monthly Notices of the Royal Astronomical Society, 2022, 516, 5355-5366.	1.6	48
829	A multisimulation study of relativistic SZ temperature scalings in galaxy clusters and groups. Monthly Notices of the Royal Astronomical Society, 2022, 517, 5303-5324.	1.6	7
830	Detecting and analysing the topology of the cosmic web with spatial clustering algorithms I: methods. Monthly Notices of the Royal Astronomical Society, 2022, 516, 5110-5124.	1.6	0
831	Anisotropic satellite accretion on to the Local Group with HESTIA. Monthly Notices of the Royal Astronomical Society, 2022, 516, 4576-4584.	1.6	4
832	The merger and assembly histories of Milky Way- and M31-like galaxies with TNG50: disc survival through mergers. Monthly Notices of the Royal Astronomical Society, 2022, 516, 5404-5427.	1.6	19
833	IllustrisTNG Snapshots for 10 Gyr of Dynamical Evolution of Brightest Cluster Galaxies and Their Host Clusters. Astrophysical Journal, 2022, 938, 3.	1.6	3
834	Modelling globular clusters in the TNG50 simulation: predictions from dwarfs to giant galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 518, 2453-2470.	1.6	3
835	Simulations of black hole fueling in isolated and merging galaxies with an explicit, multiphase ISM. Monthly Notices of the Royal Astronomical Society, 2022, 517, 4752-4767.	1.6	5

#	Article	IF	Citations
836	Constraining the Fluctuating Gunnâ€"Peterson Approximation using LyÎ± Forest Tomography at *z* = 2. Astrophysical Journal, 2022, 938, 123.	1.6	3
837	Cosmological inference from an emulator based halo model. II. Joint analysis of galaxy-galaxy weak lensing and galaxy clustering from HSC-Y1 and SDSS. Physical Review D, 2022, 106, .	1.6	25
838	From Clusters to Proto-Clusters: The Infrared Perspective on Environmental Galaxy Evolution. Universe, 2022, 8, 554.	0.9	11
839	The contribution of <i>in situ</i> and <i>ex situ</i> star formation in early-type galaxies: MaNGA versus IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2023, 520, 5651-5670.	1.6	9
840	Cosmological inference from an emulator based halo model. I. Validation tests with HSC and SDSS mock catalogs. Physical Review D, 2022, 106, .	1.6	13
841	The ultramarine simulation: properties of dark matter haloes before redshift 5.5. Monthly Notices of the Royal Astronomical Society, 2022, 517, 6004-6012.	1.6	4
842	<scp>sconce</scp>: a cosmic web finder for spherical and conic geometries. Monthly Notices of the Royal Astronomical Society, 2022, 517, 1197-1217.	1.6	1
843	Anomalies in physical cosmology. Annals of Physics, 2022, 447, 169159.	1.0	23
844	ERGO-ML I: inferring the assembly histories of IllustrisTNG galaxies from integral observable properties via invertible neural networks. Monthly Notices of the Royal Astronomical Society, 2022, 519, 2199-2223.	1.6	9
845	Morphological signatures of mergers in the TNG50 simulation and the Kilo-Degree Survey: the merger fraction from dwarfs to Milky Way-like galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 519, 4920-4937.	1.6	11
846	First light and reionization epoch simulations (FLARES) V: the redshift frontier. Monthly Notices of the Royal Astronomical Society, 2022, 519, 3118-3128.	1.6	26
847	Mock galaxy surveys for <i>HST</i> and <i>JWST</i> from the IllustrisTNG simulations. Monthly Notices of the Royal Astronomical Society, 2022, 518, 6318-6324.	1.6	4
848	What Are Those Tiny Things? A First Study of Compact Star Clusters in the SMACS0723 Field with JWST. Astrophysical Journal Letters, 2022, 941, L11.	3.0	4
849	A Direct Measurement of Galaxy Major and Minor Merger Rates and Stellar Mass Accretion Histories at Z < 3 Using Galaxy Pairs in the REFINE Survey. Astrophysical Journal, 2022, 940, 168.	1.6	9
850	Hidden depths in the local Universe: The Stellar Stream Legacy Survey. Astronomy and Astrophysics, 2023, 671, A141.	2.1	13
851	Unravelling the interplay between SIDM and baryons in MW haloes: defining where baryons dictate heat transfer. Monthly Notices of the Royal Astronomical Society, 2023, 519, 5623-5636.	1.6	5
852	Spatial field reconstruction with INLA. Application to simulated galaxies. Astronomy and Astrophysics, 0, , .	2.1	1
853	DS+: A method for the identification of cluster substructures. Astronomy and Astrophysics, 0, , .	2.1	1

#	ARTICLE	IF	CITATIONS
854	The origin of stars in the inner 500 parsecs in TNG50 galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 519, 5202-5235.	1.6	5
855	The circumgalactic medium of Milky Way-like galaxies in the TNG50 simulation â€" I: halo gas properties and the role of SMBH feedback. Monthly Notices of the Royal Astronomical Society, 2022, 518, 5754-5777.	1.6	18
856	Modelling multiphase gases in cosmological simulations using compressible multifluid hydrodynamics. Monthly Notices of the Royal Astronomical Society, 2022, 519, 3011-3026.	1.6	8
857	Constraining galactic baryon cycle using the galaxy Stellar-to-Halo Mass Relations. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	0
858	The Correlation Between Black Hole Accretion and Star Formation Rate Based on IllustrisTNG100-1. Journal of Physics: Conference Series, 2022, 2386, 012077.	0.3	0
859	Gas-phase metallicity break radii of star-forming galaxies in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2023, 519, 4716-4734.	1.6	5
860	There and back again: Understanding the critical properties of backsplash galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 520, 649-667.	1.6	7
861	Real and counterfeit cores: how feedback expands haloes and disrupts tracers of inner gravitational potential in dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 520, 461-479.	1.6	4
862	Hyperion: the origin of the stars. A far UV space telescope for high-resolution spectroscopy over wide fields. Journal of Astronomical Telescopes, Instruments, and Systems, 2022, 8, .	1.0	1
863	Nature of star formation in first galaxies. Proceedings of the International Astronomical Union, 2020, 16, 39-44.	0.0	0
864	The internal metallicity distributions of simulated galaxies from EAGLE, Illustris, and IllustrisTNG at z Â=Â1.8â€"4 as probed by gamma-ray burst hosts. Monthly Notices of the Royal Astronomical Society, 2023, 520, 879-896.	1.6	2
865	Consistent and simultaneous modelling of galaxy clustering and galaxyâ€"galaxy lensing with subhalo abundance matching. Monthly Notices of the Royal Astronomical Society, 2023, 520, 489-502.	1.6	9
866	The relationship between galaxy and halo sizes in the Illustris and IllustrisTNG simulations. Monthly Notices of the Royal Astronomical Society, 2023, 520, 1630-1641.	1.6	0
867	REQUIEM-2D: A Diversity of Formation Pathways in a Sample of Spatially Resolved Massive Quiescent Galaxies at z â˜¼ 2. Astrophysical Journal, 2023, 943, 179.	1.6	5
868	Anisotropic correlation functions as tracers of central galaxy alignments in simulations. Monthly Notices of the Royal Astronomical Society, 2023, 521, 5483-5491.	1.6	1
869	A new framework for understanding the evolution of early-type galaxies. Astronomy and Astrophysics, 2023, 674, A156.	2.1	2
870	The Supersonic Project: The Early Evolutionary Path of Supersonically Induced Gas Objects. Astrophysical Journal, 2023, 943, 132.	1.6	4
871	The fragility of thin discs in galaxies â€" I. Building tailored N-body galaxy models. Monthly Notices of the Royal Astronomical Society, 2023, 520, 4490-4501.	1.6	1

#	Article	IF	Citations
872	Can Cosmological Simulations Reproduce the Spectroscopically Confirmed Galaxies Seen at z ≥ 10?. Astrophysical Journal Letters, 2023, 943, L28.	3.0	11
873	Probing the Earliest Phases in the Formation of Massive Galaxies with Simulated HST+JWST Imaging Data from Illustris. Astrophysical Journal, 2023, 944, 3.	1.6	1
874	Active galactic nuclei jets simulated with smoothed particle hydrodynamics. Monthly Notices of the Royal Astronomical Society, 2023, 520, 5090-5109.	1.6	3
875	Calibrating Cosmological Simulations with Implicit Likelihood Inference Using Galaxy Growth Observables. Astrophysical Journal, 2023, 944, 67.	1.6	6
876	The Fundamental Signature of Star Formation Quenching from AGN Feedback: A Critical Dependence of Quiescence on Supermassive Black Hole Mass, Not Accretion Rate. Astrophysical Journal, 2023, 944, 108.	1.6	10
877	Dark matter substructures affect dark matter-electron scattering in xenon-based direct detection experiments. Journal of High Energy Physics, 2023, 2023, .	1.6	2
878	The local dark matter distribution in self-interacting dark matter halos. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 040.	1.9	3
879	The growth of brightest cluster galaxies in the TNG300 simulation: dissecting the contributions from mergers and <i>in situ</i> star formation. Monthly Notices of the Royal Astronomical Society, 2023, 521, 800-817.	1.6	5
880	The Supersonic Project: The Eccentricity and Rotational Support of SIGOs and DM GHOSts. Astrophysical Journal, 2023, 945, 6.	1.6	3
881	Differences among IllustrisTNG series and a Brief Comparison with the Illustris Project. Journal of Physics: Conference Series, 2023, 2441, 012027.	0.3	0
882	Neural Stellar Population Synthesis Emulator for the DESI PROVABGS. Astrophysical Journal, Supplement Series, 2023, 265, 23.	3.0	2
883	Non-parametric galaxy morphology from stellar and nebular emission with the CALIFA sample. Astronomy and Astrophysics, 2023, 673, A63.	2.1	5
884	The Impact of Super Massive Black Hole (SMBH) on Galaxy and Star. , 0, 38, 383-390.		0
885	Dark against Luminous Matter around Isolated Central Galaxies: A Comparative Study between Modern Surveys and IllustrisTNG. Astrophysical Journal, 2023, 947, 19.	1.6	1
886	Saying Hallo to M94's Stellar Halo: Investigating the Accretion History of the Largest Pseudobulge Host in the Local Universe. Astrophysical Journal, 2023, 947, 21.	1.6	0
887	The first quiescent galaxies in TNG300. Monthly Notices of the Royal Astronomical Society, 2023, 522, 3138-3144.	1.6	5
888	The circumgalactic medium of Milky Way-like galaxies in the TNG50 simulation â€" II. Cold, dense gas clouds and high-velocity cloud analogs. Monthly Notices of the Royal Astronomical Society, 2023, 522, 1535-1555.	1.6	11
889	Resonant scattering of the Oâ€‰<scp>vii</scp> X-ray emission line in the circumgalactic medium of TNG50 galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 522, 3665-3678.	1.6	4

#	ARTICLE	IF	CITATIONS
926	Galaxy Formation from a Timescale Perspective. Mathematics Online First Collections, 2023, , 105-145.	0.1	0