

Introducing the Illustris Project: simulating the coevolution of the Universe

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Big Data of the Cosmic Web. Proceedings of the International Astronomical Union, 2014, 11, 255-266.	0.0	0
2	Ages of Type Ia supernovae over cosmic time. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1898-1911.	1.6	81
3	Large-scale jets from active galactic nuclei as a source of intracluster medium heating: cavities and shocks. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1462-1481.	1.6	31
4	Damped Lyman $\hat{\pm}$ absorbers as a probe of stellar feedback. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2313-2324.	1.6	105
5	A CRITICAL LOOK AT THE MASS-METALLICITY-STAR FORMATION RATE RELATION IN THE LOCAL UNIVERSE. I. AN IMPROVED ANALYSIS FRAMEWORK AND CONFOUNDING SYSTEMATICS. Astrophysical Journal, 2014, 797, 126.	1.6	101
6	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
7	Stellar populations of stellar halos: Results from the Illustris simulation. Proceedings of the International Astronomical Union, 2015, 11, 197-203.	0.0	0
8	Galaxy morphology and star formation in the Illustris Simulation at $z \sim 0$. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1886-1908.	1.6	155
9	The impact of angular momentum on black hole accretion rates in simulations of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1038-1057.	1.6	219
10	Merging galaxies produce outliers from the fundamental metallicity relation. Monthly Notices of the Royal Astronomical Society, 2015, 451, 4005-4017.	1.6	17
11	Colours and luminosities of $z \sim 0.1$ galaxies in the eagle simulation. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2879-2896.	1.6	200
12	Biases and systematics in the observational derivation of galaxy properties: comparing different techniques on synthetic observations of simulated galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2381-2400.	1.6	22
13	FORMING COMPACT MASSIVE GALAXIES. Astrophysical Journal, 2015, 813, 23.	1.6	240
14	Theory of dark matter superfluidity. Physical Review D, 2015, 92, .	1.6	186
15	Effective Dark Matter Halo Catalog in $\langle mml:math \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle mml:mi \rangle f \langle /mml:mi \rangle \langle mml:mo \text{ stretchy="false"} \rangle \langle /mml:mo \rangle \langle mml:mi \rangle R \langle /mml:mi \rangle \langle mml:mo \rangle T_j \text{ ETQq0 0 0 rgBT /Overlock 10 Tf 50 172 Td (stretchy="false"} \rangle \rangle \langle /mml:mo \rangle$	2.9	12
16	CONNECTING ANGULAR MOMENTUM AND GALACTIC DYNAMICS: THE COMPLEX INTERPLAY BETWEEN SPIN, MASS, AND MORPHOLOGY. Astrophysical Journal, 2015, 812, 29.	1.6	187
17	THE FORMATION OF MILKY WAYâ€™ MASS DISK GALAXIES IN THE FIRST 500 MILLION YEARS OF A COLD DARK MATTER UNIVERSE. Astrophysical Journal Letters, 2015, 808, L17.	3.0	40
18	GAS INFLOW AND OUTFLOW HISTORIES IN DISK GALAXIES AS REVEALED FROM OBSERVATIONS OF DISTANT STAR-FORMING GALAXIES. Astrophysical Journal, 2015, 810, 18.	1.6	6

#	ARTICLE	IF	CITATIONS
19	THE DEPENDENCE OF SUBHALO ABUNDANCE ON HALO CONCENTRATION. <i>Astrophysical Journal</i> , 2015, 810, 21.	1.6	86
20	THE INCIDENCE OF LOW-METALLICITY LYMAN-LIMIT SYSTEMS AT $z \approx 3.5$: IMPLICATIONS FOR THE COLD-FLOW HYPOTHESIS OF BARYONIC ACCRETION. <i>Astrophysical Journal</i> , 2015, 812, 58.	1.6	33
21	GALACTIC ANGULAR MOMENTUM IN THE ILLUSTRIS SIMULATION: FEEDBACK AND THE HUBBLE SEQUENCE. <i>Astrophysical Journal Letters</i> , 2015, 804, L40.	3.0	174
22	HIGH- J CO VERSUS FAR-INFRARED RELATIONS IN NORMAL AND STARBURST GALAXIES. <i>Astrophysical Journal Letters</i> , 2015, 810, L14.	3.0	86
23	THE ACCRETION OF DARK MATTER SUBHALOS WITHIN THE COSMIC WEB: PRIMORDIAL ANISOTROPIC DISTRIBUTION AND ITS UNIVERSALITY. <i>Astrophysical Journal</i> , 2015, 813, 6.	1.6	38
24	SPECTROSCOPIC STUDY OF STAR-FORMING GALAXIES IN FILAMENTS AND THE FIELD AT $z \approx 0.5$: EVIDENCE FOR ENVIRONMENTAL DEPENDENCE OF ELECTRON DENSITY. <i>Astrophysical Journal</i> , 2015, 814, 84.	1.6	47
25	LOW ANGULAR MOMENTUM IN CLUMPY, TURBULENT DISK GALAXIES. <i>Astrophysical Journal</i> , 2015, 815, 97.	1.6	37
26	Galaxy Alignments: Theory, Modelling & Simulations. <i>Space Science Reviews</i> , 2015, 193, 67-136.	3.7	110
27	The star formation and AGN luminosity relation: predictions from a semi-analytical model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 3759-3767.	1.6	7
28	Molecular hydrogen abundances of galaxies in the EAGLE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 3815-3837.	1.6	182
29	Reducing noise in moving-grid codes with strongly-centroidal Lloyd mesh regularization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 3853-3862.	1.6	17
30	The resolution bias: low-resolution feedback simulations are better at destroying galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 1829-1842.	1.6	23
31	Hydrogen reionization in the Illustris universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 3594-3611.	1.6	44
32	NIHAO project â€” I. Reproducing the inefficiency of galaxy formation across cosmic time with a large sample of cosmological hydrodynamical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 83-94.	1.6	267
33	NIHAO III: the constant disc gas mass conspiracy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 1105-1116.	1.6	27
34	An analysis of the evolving comoving number density of galaxies in hydrodynamical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 2770-2786.	1.6	67
35	Scaling relations between black holes and their host galaxies: comparing theoretical and observational measurements, and the impact of selection effects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 913-932.	1.6	51
36	The eagle simulations of galaxy formation: the importance of the hydrodynamics scheme. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 2277-2291.	1.6	192

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37	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
38	The formation of massive, compact galaxies at $z \approx 2$ in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2015, 449, 361-372.	1.6	187
39	Evolution of galaxy stellar masses and star formation rates in the eagle simulations. Monthly Notices of the Royal Astronomical Society, 2015, 450, 4486-4504.	1.6	332
40	Tracing galaxy populations through cosmic time: a critical test of methods for connecting the same galaxies between different redshifts at $z \approx 3$. Monthly Notices of the Royal Astronomical Society, 2015, 450, 3696-3707.	1.6	33
41	The energy and momentum input of supernova explosions in structured and ionized molecular clouds. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2757-2771.	1.6	161
42	Lyman α emitters gone missing: evidence for late reionization?. Monthly Notices of the Royal Astronomical Society, 2015, 452, 261-277.	1.6	98
43	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
44	Star formation in mergers with cosmologically motivated initial conditions. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2984-3000.	1.6	11
45	Gas around galaxy haloes II. Hydrogen absorption signatures from the environments of galaxies at redshifts $2 \leq z < 3$. Monthly Notices of the Royal Astronomical Society, 2015, 453, 899-913.	1.6	15
46	Physical origin of the large-scale conformity in the specific star formation rates of galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1840-1847.	1.6	33
47	Quantifying AGN-driven metal-enhanced outflows in chemodynamical simulations. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 452, L59-L63.	1.2	26
48	Galaxy Alignments: An Overview. Space Science Reviews, 2015, 193, 1-65.	3.7	188
49	Evolution of the luminosity-to-halo mass relation of LRGs from a combined analysis of SDSS-DR10+RCS2. Astronomy and Astrophysics, 2015, 579, A26.	2.1	18
50	Comparison of Low-Mass and High-Mass Star Formation. Proceedings of the International Astronomical Union, 2015, 11, 154-162.	0.0	2
51	Modeling the Observability of Recoiling Black Holes as Offset Quasars. Proceedings of the International Astronomical Union, 2015, 11, 317-318.	0.0	0
52	MOND implications for spectral line profiles of shell galaxies: shell formation history and mass-velocity scaling relations. Astronomy and Astrophysics, 2015, 575, A29.	2.1	4
53	The cosmic microwave background: the history of its experimental investigation and its significance for cosmology. Classical and Quantum Gravity, 2015, 32, 124007.	1.5	32
54	Metal-enriched, subkiloparsec gas clumps in the circumgalactic medium of a faint $z \approx 2.5$ galaxy.... Monthly Notices of the Royal Astronomical Society, 2015, 446, 18-37.	1.6	104

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55	The response of dark matter haloes to elliptical galaxy formation: a new test for quenching scenarios. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 2448-2465.	1.6	22
56	The impact of environment and mergers on the H α content of galaxies in hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 3981-3999.	1.6	28
57	The EAGLE simulations of galaxy formation: calibration of subgrid physics and model variations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 1937-1961.	1.6	1,038
58	Gusty, gaseous flows of FIRE: galactic winds in cosmological simulations with explicit stellar feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 2691-2713.	1.6	478
59	The equilibrium view on dust and metals in galaxies: Galactic outflows drive low dust-to-metal ratios in dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 3274-3292.	1.6	86
60	Neutral hydrogen in galaxy haloes at the peak of the cosmic star formation history. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 987-1003.	1.6	139
61	The MassiveBlack-II simulation: the evolution of haloes and galaxies to $z \sim 1/4$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 1349-1374.	1.6	262
62	Galaxy Zoo: the effect of bar-driven fuelling on the presence of an active galactic nucleus in disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 3442-3454.	1.6	59
63	Intrinsic alignments of galaxies in the MassiveBlack-II simulation: analysis of two-point statistics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 3522-3544.	1.6	66
64	ON THE PERSISTENCE OF TWO SMALL-SCALE PROBLEMS IN Λ CDM. <i>Astrophysical Journal</i> , 2015, 815, 19.	1.6	76
65	Redshift evolution of stellar mass versus gas fraction relation in 0 z 2 regime: observational constraint for galaxy formation models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 3792-3804.	1.6	17
66	Galaxy And Mass Assembly (GAMA): end of survey report and data release 2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 2087-2126.	1.6	436
67	THE EFFECT OF ENVIRONMENT ON MILKY-WAY-MASS GALAXIES IN A CONSTRAINED SIMULATION OF THE LOCAL GROUP. <i>Astrophysical Journal Letters</i> , 2015, 800, L4.	3.0	18
68	THERMAL AND RADIATIVE ACTIVE GALACTIC NUCLEUS FEEDBACK HAVE A LIMITED IMPACT ON STAR FORMATION IN HIGH-REDSHIFT GALAXIES. <i>Astrophysical Journal</i> , 2015, 800, 19.	1.6	51
69	STORM IN A α TEACUP α A RADIO-QUIET QUASAR WITH ~ 10 kpc RADIO-EMITTING BUBBLES AND EXTREME GAS KINEMATICS. <i>Astrophysical Journal</i> , 2015, 800, 45.	1.6	71
70	NUMERICAL CONVERGENCE IN SMOOTHED PARTICLE HYDRODYNAMICS. <i>Astrophysical Journal</i> , 2015, 800, 6.	1.6	74
71	The dark side of cosmology: Dark matter and dark energy. <i>Science</i> , 2015, 347, 1100-1102.	6.0	59
72	A PARAMETRIC STUDY OF POSSIBLE SOLUTIONS TO THE HIGH-REDSHIFT OVERPRODUCTION OF STARS IN MODELED DWARF GALAXIES. <i>Astrophysical Journal</i> , 2015, 799, 201.	1.6	37

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73	The impact of galactic feedback on the circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2015, 448, 895-909.	1.6	82
74	The unexpected diversity of dwarf galaxy rotation curves. Monthly Notices of the Royal Astronomical Society, 2015, 452, 3650-3665.	1.6	302
75	Dynamical evolution of massive black holes in galactic-scale N -body simulations â€” introducing the regularized tree code â€”rvineâ€™. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2337-2352.	1.6	12
76	Synthetic galaxy images and spectra from the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2015, 447, 2753-2771.	1.6	106
77	A framework for empirical galaxy phenomenology: the scatter in galaxy ages and stellar metallicities. Monthly Notices of the Royal Astronomical Society, 2015, 448, 1430-1445.	1.6	14
78	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
79	Galactic outflow and diffuse gas properties at $z \approx 1$ using different baryonic feedback models. Monthly Notices of the Royal Astronomical Society, 2015, 447, 266-286.	1.6	26
80	The impact of feedback on cosmological gas accretion. Monthly Notices of the Royal Astronomical Society, 2015, 448, 59-74.	1.6	120
81	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
82	The colours of satellite galaxies in the Illustris simulation. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 447, L6-L10.	1.2	59
83	AMADAâ€”Analysis of multidimensional astronomical datasets. Astronomy and Computing, 2015, 12, 100-108.	0.8	15
84	The Argo simulation â€” II. The early build-up of the Hubble sequence. Monthly Notices of the Royal Astronomical Society, 2015, 446, 1957-1972.	1.6	44
85	Physical Models of Galaxy Formation in a Cosmological Framework. Annual Review of Astronomy and Astrophysics, 2015, 53, 51-113.	8.1	960
86	ON THE INTERPLAY BETWEEN STAR FORMATION AND FEEDBACK IN GALAXY FORMATION SIMULATIONS. Astrophysical Journal, 2015, 804, 18.	1.6	180
87	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
88	Adaptive techniques for clustered N -body cosmological simulations. Computational Astrophysics and Cosmology, 2015, 2, .	22.7	93
89	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
90	The effect of dark matter resolution on the collapse of baryons in high-redshift numerical simulations. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3766-3779.	1.6	10

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91	HOT GASEOUS CORONAE AROUND SPIRAL GALAXIES: PROBING THE ILLUSTRIS SIMULATION. <i>Astrophysical Journal</i> , 2015, 804, 72.	1.6	40
92	FIRST FRONTIER FIELD CONSTRAINTS ON THE COSMIC STAR FORMATION RATE DENSITY AT $z \approx 10$ —THE IMPACT OF LENSING SHEAR ON COMPLETENESS OF HIGH-REDSHIFT GALAXY SAMPLES. <i>Astrophysical Journal</i> , 2015, 808, 104.	1.6	104
93	EVIDENCE FOR PopIII-LIKE STELLAR POPULATIONS IN THE MOST LUMINOUS Ly α EMITTERS AT THE EPOCH OF REIONIZATION: SPECTROSCOPIC CONFIRMATION. <i>Astrophysical Journal</i> , 2015, 808, 139.	1.6	285
94	MORPHOLOGIES OF $\approx 190,000$ GALAXIES AT $z = 0 \leq 10$ REVEALED WITH <i>HST</i> LEGACY DATA. I. SIZE EVOLUTION. <i>Astrophysical Journal</i> , Supplement Series, 2015, 219, 15.	3.0	296
95	DISSECTING THE GASEOUS HALOS OF $z \approx 2$ DAMPED Ly α SYSTEMS WITH CLOSE QUASAR PAIRS. <i>Astrophysical Journal</i> , 2015, 808, 38.	1.6	50
96	The Tully—Fisher and mass—size relations from halo abundance matching. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 322-343.	1.6	63
97	Baryon effects on the internal structure of Λ CDM haloes in the EAGLE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 1247-1267.	1.6	302
98	Tides or dark matter sub-haloes: Which ones are more attractive?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 3742-3751.	1.6	3
99	The large-scale properties of simulated cosmological magnetic fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 4000-4020.	1.6	60
100	Baryonic and dark matter distribution in cosmological simulations of spiral galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 1353-1369.	1.6	52
101	Reproducing the kinematics of damped Lyman α systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 1834-1846.	1.6	77
102	SKIRT: The design of a suite of input models for Monte Carlo radiative transfer simulations. <i>Astronomy and Computing</i> , 2015, 12, 33-44.	0.8	70
103	THREE-DIMENSIONAL HYDRODYNAMICAL SIMULATIONS OF THE SUPERNOVAE-DRIVEN GAS LOSS IN THE DWARF SPHEROIDAL GALAXY URSA MINOR. <i>Astrophysical Journal</i> , 2015, 805, 109.	1.6	21
104	The illustris simulation: Public data release. <i>Astronomy and Computing</i> , 2015, 13, 12-37.	0.8	412
105	Galactic rotation curves, the baryon-to-dark-halo-mass relation and space—time scale invariance. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 330-344.	1.6	67
106	THE INFORMATION CONTENT OF STELLAR HALOS: STELLAR POPULATION GRADIENTS AND ACCRETION HISTORIES IN EARLY-TYPE ILLUSTRIS GALAXIES. <i>Astrophysical Journal</i> , 2016, 833, 158.	1.6	49
107	THE UBIQUITY OF COEVAL STARBURSTS IN MASSIVE GALAXY CLUSTER PROGENITORS. <i>Astrophysical Journal</i> , 2016, 824, 36.	1.6	82
108	CONNECTING THE DOTS: TRACKING GALAXY EVOLUTION USING CONSTANT CUMULATIVE NUMBER DENSITY AT $3 \leq z \leq 7$. <i>Astrophysical Journal</i> , 2016, 817, 174.	1.6	9

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109	THE RED AND FEATURELESS OUTER DISKS OF NEARBY SPIRAL GALAXIES. <i>Astrophysical Journal</i> , 2016, 826, 59.	1.6	30
110	THE BARYON CYCLE AT HIGH REDSHIFTS: EFFECTS OF GALACTIC WINDS ON GALAXY EVOLUTION IN OVERDENSE AND AVERAGE REGIONS. <i>Astrophysical Journal</i> , 2016, 829, 71.	1.6	8
111	THE EVOLUTION OF THE FRACTIONS OF QUIESCENT AND STAR-FORMING GALAXIES AS A FUNCTION OF STELLAR MASS SINCE $z \approx 3$: INCREASING IMPORTANCE OF MASSIVE, DUSTY STAR-FORMING GALAXIES IN THE EARLY UNIVERSE. <i>Astrophysical Journal Letters</i> , 2016, 827, L25.	3.0	49
112	HOW ENVIRONMENT AFFECTS GALAXY METALLICITY THROUGH STRIPPING AND FORMATION HISTORY: LESSONS FROM THE ILLUSTRIS SIMULATION. <i>Astrophysical Journal</i> , 2016, 822, 107.	1.6	35
113	The stellar metallicity gradients in galaxy discs in a cosmological scenario. <i>Astronomy and Astrophysics</i> , 2016, 592, A93.	2.1	24
114	Forecasts for the <i>WFIRST</i> High Latitude Survey using the BlueTides simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 3520-3530.	1.6	34
115	Observational Searches for Star-Forming Galaxies at $z < 6$. <i>Publications of the Astronomical Society of Australia</i> , 2016, 33, .	1.3	117
116	A SLIPPERY SLOPE: SYSTEMATIC UNCERTAINTIES IN THE LINE WIDTH BARYONIC TULLYâ€FISHER RELATION. <i>Astrophysical Journal</i> , 2016, 832, 11.	1.6	46
117	SDSS-IV MaNGA: Spatially resolved star formation histories in galaxies as a function of galaxy mass and type. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stw3371.	1.6	109
118	Scalar fields in Cosmology: dark matter and inflation. <i>Journal of Physics: Conference Series</i> , 2016, 761, 012076.	0.3	17
119	THE SAMI GALAXY SURVEY: GALAXY INTERACTIONS AND KINEMATIC ANOMALIES IN ABELL 119. <i>Astrophysical Journal</i> , 2016, 832, 69.	1.6	16
120	Mathematical modeling of formation, evolution and interaction of galaxies in cosmological context. <i>Journal of Physics: Conference Series</i> , 2016, 722, 012023.	0.3	3
121	THE CATERPILLAR PROJECT: A LARGE SUITE OF MILKY WAY SIZED HALOS. <i>Astrophysical Journal</i> , 2016, 818, 10.	1.6	88
122	KMOS3D: DYNAMICAL CONSTRAINTS ON THE MASS BUDGET IN EARLY STAR-FORMING DISKS*. <i>Astrophysical Journal</i> , 2016, 831, 149.	1.6	83
123	GALACTIC WINDS DRIVEN BY ISOTROPIC AND ANISOTROPIC COSMIC-RAY DIFFUSION IN DISK GALAXIES. <i>Astrophysical Journal Letters</i> , 2016, 824, L30.	3.0	122
124	The extraordinary amount of substructure in the <i>Hubble Frontier Fields</i> cluster Abell 2744. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 3876-3893.	1.6	99
125	Detailed $H\alpha$ kinematics of Tullyâ€Fisher calibrator galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 4052-4067.	1.6	38
126	THE CARNEGIE-IRVINE GALAXY SURVEY. IV. A METHOD TO DETERMINE THE AVERAGE MASS RATIO OF MERGERS THAT BUILT MASSIVE ELLIPTICAL GALAXIES. <i>Astrophysical Journal</i> , 2016, 821, 114.	1.6	21

#	ARTICLE	IF	CITATIONS
127	ELUCIDATING EXPLORING THE LOCAL UNIVERSE WITH RECONSTRUCTED INITIAL DENSITY FIELD. III. CONSTRAINED SIMULATION IN THE SDSS VOLUME. <i>Astrophysical Journal</i> , 2016, 831, 164.	1.6	101
128	Cosmology from cosmic shear with Dark Energy Survey Science Verification data. <i>Physical Review D</i> , 2016, 94, .	1.6	125
129	QUIESCENCE CORRELATES STRONGLY WITH DIRECTLY MEASURED BLACK HOLE MASS IN CENTRAL GALAXIES. <i>Astrophysical Journal Letters</i> , 2016, 830, L12.	3.0	69
130	Redshift and luminosity evolution of the intrinsic alignments of galaxies in Horizon-AGN. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 2702-2721.	1.6	43
131	Spherical cows in dark matter indirect detection. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 030-030.	1.9	15
132	DOES THE MILKY WAY OBEY SPIRAL GALAXY SCALING RELATIONS?. <i>Astrophysical Journal</i> , 2016, 833, 220.	1.6	21
133	The Athena X-ray Integral Field Unit (X-IFU). <i>Proceedings of SPIE</i> , 2016, , .	0.8	88
134	Beyond Λ CDM: Problems, solutions, and the road ahead. <i>Physics of the Dark Universe</i> , 2016, 12, 56-99.	1.8	361
135	Modelling galaxy clustering: halo occupation distribution versus subhalo matching. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 3040-3058.	1.6	79
136	The impact of the dusty torus on obscured quasar halo mass measurements. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 175-186.	1.6	8
137	Dark matter superfluidity and galactic dynamics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 753, 639-643.	1.5	73
138	COSMIC REIONIZATION ON COMPUTERS: NUMERICAL AND PHYSICAL CONVERGENCE. <i>Astrophysical Journal</i> , 2016, 821, 50.	1.6	17
139	Star formation and molecular hydrogen in dwarf galaxies: a non-equilibrium view. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 3528-3553.	1.6	109
140	The growth and enrichment of intragroup gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 4266-4290.	1.6	34
141	Baryonic impact on the dark matter distribution in Milky Way-sized galaxies and their satellites. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 1559-1580.	1.6	106
142	The stellar mass assembly of galaxies in the Illustris simulation: growth by mergers and the spatial distribution of accreted stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 2371-2390.	1.6	319
143	Push it to the limit: Local Group constraints on high-redshift stellar mass functions for $M < 10^{10} M_{\odot}$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 477-484.	1.6	16
144	Performance analysis of parallel gravitational N -body codes on large GPU clusters. <i>Research in Astronomy and Astrophysics</i> , 2016, 16, 011.	0.7	6

#	ARTICLE	IF	CITATIONS
145	Next generation cosmology: constraints from the <i>Euclid</i> galaxy cluster survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 1764-1780.	1.6	118
146	Discriminating topology in galaxy distributions using network analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 2690-2700.	1.6	21
147	The missing satellite problem in 3D. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 4473-4481.	1.6	24
148	THE COSMOS2015 CATALOG: EXPLORING THE $z \lesssim 6$ UNIVERSE WITH HALF A MILLION GALAXIES. <i>Astrophysical Journal, Supplement Series</i> , 2016, 224, 24.	3.0	784
149	Galactic cosmic-ray induced production of lithium in the Small Magellanic Cloud. <i>Astroparticle Physics</i> , 2016, 85, 24-28.	1.9	4
150	Galaxy Formation and Evolution. <i>Space Science Reviews</i> , 2016, 202, 79-109.	3.7	3
151	Time evolution of galaxy scaling relations in cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 2465-2479.	1.6	31
152	Extragalactic Astronomy: From Pioneers to Big Science. <i>Astrophysics and Space Science Library</i> , 2016, , 1-92.	1.0	2
153	Galaxy growth from redshift 5 to 0 at fixed comoving number density. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 778-793.	1.6	9
154	Uncovering mass segregation with galaxy analogues in dark-matter simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 761-777.	1.6	9
155	Towards accurate cosmological predictions for rapidly oscillating scalar fields as dark matter. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 048-048.	1.9	61
156	Physical properties of galaxies: towards a consistent comparison between hydrodynamical simulations and SDSS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 2046-2062.	1.6	16
157	mufasa: galaxy formation simulations with meshless hydrodynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 3265-3284.	1.6	243
158	The Local Group: the ultimate deep field. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 462, L51-L55.	1.2	21
159	Zoomed cosmological simulations of Milky Way-sized haloes in $f(R)$ gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 1530-1541.	1.6	17
160	THE CALIFA AND HIPASS CIRCULAR VELOCITY FUNCTION FOR ALL MORPHOLOGICAL GALAXY TYPES. <i>Astrophysical Journal Letters</i> , 2016, 827, L36.	3.0	11
161	STELLAR POPULATIONS ACROSS THE BLACK HOLE MASS-VELOCITY DISPERSION RELATION. <i>Astrophysical Journal Letters</i> , 2016, 832, L11.	3.0	20
162	The impact of galactic properties and environment on the quenching of central and satellite galaxies: a comparison between SDSS, Illustris and L-Galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 2559-2586.	1.6	99

#	ARTICLE	IF	CITATIONS
163	Mass assembly and morphological transformations since $z \approx 3$ from CANDELS. Monthly Notices of the Royal Astronomical Society, 2016, 462, 4495-4516.	1.6	73
164	Constraining the halo mass function with observations. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1666-1677.	1.6	21
165	CMBB-mode non-Gaussianity. Physical Review D, 2016, 93, .	1.6	35
166	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
167	Solving the small-scale structure puzzles with dissipative dark matter. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 013-013.	1.9	90
168	Dark matter direct-detection experiments. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 013001.	1.4	284
169	The evolution of the Milky Way: new insights from open clusters. Monthly Notices of the Royal Astronomical Society, 2016, 463, 4366-4382.	1.6	52
170	NIHAO IX: the role of gas inflows and outflows in driving the contraction and expansion of cold dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2016, 461, 2658-2675.	1.6	74
171	A unified multiwavelength model of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2016, 462, 3854-3911.	1.6	290
172	Cosmological galaxy evolution with superbubble feedback II. The limits of supernovae. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1431-1445.	1.6	45
173	Dark matter trapping by stellar bars: the shadow bar. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1952-1967.	1.6	21
174	Testing the effect of galactic feedback on the IGM at $z \approx 6$ with metal-line absorbers. Monthly Notices of the Royal Astronomical Society, 2016, 461, 606-626.	1.6	43
175	Simulating the carbon footprint of galactic haloes. Monthly Notices of the Royal Astronomical Society, 2016, 462, 307-322.	1.6	11
176	Modelling and interpreting spectral energy distributions of galaxies with beagle. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1415-1443.	1.6	246
177	Strongly time-variable ultraviolet metal-line emission from the circum-galactic medium of high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 463, 120-133.	1.6	15
178	Galaxies in the EAGLE hydrodynamical simulation and in the Durham and Munich semi-analytical models. Monthly Notices of the Royal Astronomical Society, 2016, 461, 3457-3482.	1.6	85
179	Shock finding on a moving-mesh II. Hydrodynamic shocks in the Illustris universe. Monthly Notices of the Royal Astronomical Society, 2016, 461, 4441-4465.	1.6	24
180	Bursty star formation feedback and cooling outflows. Monthly Notices of the Royal Astronomical Society, 2016, 462, 994-1001.	1.6	6

#	ARTICLE	IF	CITATIONS
181	Supermassive black holes in the EAGLE Universe. Revealing the observables of their growth. Monthly Notices of the Royal Astronomical Society, 2016, 462, 190-205.	1.6	84
182	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
183	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
184	The morphology and kinematics of neutral hydrogen in the vicinity of $z=0$ galaxies with Milky Way masses – a study with the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2016, 462, 3751-3764.	1.6	12
185	A moving mesh unstaggered constrained transport scheme for magnetohydrodynamics. Monthly Notices of the Royal Astronomical Society, 2016, 463, 477-488.	1.6	40
186	Far-infrared and dust properties of present-day galaxies in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1057-1075.	1.6	95
187	THE SCALING OF STELLAR MASS AND CENTRAL STELLAR VELOCITY DISPERSION FOR QUIESCENT GALAXIES AT $z \lesssim 0.7$. Astrophysical Journal, 2016, 832, 203.	1.6	59
188	THE FORMATION OF A MILKY WAY-SIZED DISK GALAXY. I. A COMPARISON OF NUMERICAL METHODS. Astrophysical Journal, 2016, 831, 52.	1.6	8
189	The Foundations: Physics and Top-Down Causation. The Frontiers Collection, 2016, , 243-290.	0.1	0
190	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: modelling the clustering and halo occupation distribution of BOSS CMASS galaxies in the Final Data Release. Monthly Notices of the Royal Astronomical Society, 2016, 460, 1173-1187.	1.6	150
191	Subhalo abundance matching and assembly bias in the EAGLE simulation. Monthly Notices of the Royal Astronomical Society, 2016, 460, 3100-3118.	1.6	122
192	Dust formation in Milky Way-like galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3775-3800.	1.6	127
193	The galaxy correlation function as a constraint on galaxy formation physics. Monthly Notices of the Royal Astronomical Society, 2016, 458, 934-949.	1.6	18
194	Stellar mass functions of galaxies, discs and spheroids at $z \lesssim 0.1$. Monthly Notices of the Royal Astronomical Society, 2016, 459, 44-69.	1.6	36
195	nFTy galaxy cluster simulations – IV. Quantifying the influence of baryons on halo properties. Monthly Notices of the Royal Astronomical Society, 2016, 458, 4052-4073.	1.6	39
196	Rhapsody-G simulations – II. Baryonic growth and metal enrichment in massive galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2016, 459, 4408-4427.	1.6	25
197	On the connection between the metal-enriched intergalactic medium and galaxies: an $\mathcal{O}(\nu^2)$ galaxy cross-correlation study at $z \lesssim 1$. Monthly Notices of the Royal Astronomical Society, 2016, 460, 590-616.	1.6	18
198	The effect of baryons on redshift space distortions and cosmic density and velocity fields in the EAGLE simulation. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 461, L11-L15.	1.2	75

#	ARTICLE	IF	CITATIONS
199	GARROTXA COSMOLOGICAL SIMULATIONS OF MILKY WAY-SIZED GALAXIES: GENERAL PROPERTIES, HOT-GAS DISTRIBUTION, AND MISSING BARYONS. <i>Astrophysical Journal</i> , 2016, 824, 94.	1.6	23
200	The link between the assembly of the inner dark matter halo and the angular momentum evolution of galaxies in the EAGLE simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 4466-4482.	1.6	86
201	The eagle simulations of galaxy formation: Public release of halo and galaxy catalogues. <i>Astronomy and Computing</i> , 2016, 15, 72-89.	0.8	394
202	NIHAO VI. The hidden discs of simulated galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 467-486.	1.6	55
203	Constraints on small-scale cosmological fluctuations from SNe lensing dispersion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 552-562.	1.6	10
204	On the assembly of dwarf galaxies in clusters and their efficient formation of globular clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 2323-2336.	1.6	67
205	Assessing the Jeans Anisotropic Multi-Gaussian Expansion method with the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 3680-3692.	1.6	46
206	The distribution of atomic hydrogen in eagle galaxies: morphologies, profiles, and H α holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 1115-1136.	1.6	117
207	The evolution of the stellar mass versus halo mass relationship. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 1459-1483.	1.6	37
208	The clustering evolution of dusty star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 1621-1641.	1.6	18
209	Vertical disc heating in Milky Way-sized galaxies in a cosmological context. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 199-219.	1.6	132
210	Selection bias in dynamically measured supermassive black hole samples: its consequences and the quest for the most fundamental relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 3119-3142.	1.6	198
211	Monsters in the dark: predictions for luminous galaxies in the early Universe from the B _T ides simulation. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 461, L51-L55.	1.2	28
212	It is not easy being green: the evolution of galaxy colour in the EAGLE simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 3925-3939.	1.6	104
213	The diverse evolutionary paths of simulated high- z massive, compact galaxies to $z = 0$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 1030-1048.	1.6	96
214	THE IMPOSSIBLY EARLY GALAXY PROBLEM. <i>Astrophysical Journal</i> , 2016, 824, 21.	1.6	79
215	IN-N-OUT: THE GAS CYCLE FROM DWARFS TO SPIRAL GALAXIES. <i>Astrophysical Journal</i> , 2016, 824, 57.	1.6	161
216	Lens galaxies in the Illustris simulation: power-law models and the bias of the Hubble constant from time delays. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 739-755.	1.6	71

#	ARTICLE	IF	CITATIONS
217	Machine learning and cosmological simulations – I. Semi-analytical models. Monthly Notices of the Royal Astronomical Society, 2016, 455, 642-658.	1.6	38
218	Defining Computational Thinking for Mathematics and Science Classrooms. Journal of Science Education and Technology, 2016, 25, 127-147.	2.4	831
219	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
220	Local SDSS galaxies in the Herschel Stripe 82 survey: a critical assessment of optically derived star formation rates. Monthly Notices of the Royal Astronomical Society, 2016, 457, 2703-2721.	1.6	27
221	Modelling galactic conformity with the colour-halo age relation in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2016, 455, 185-198.	1.6	38
222	The KMOS AGN Survey at High redshift (KASH $z < 1$): the prevalence and drivers of ionized outflows in the host galaxies of X-ray AGN. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1195-1220.	1.6	105
223	The nature of $H\alpha$ star-forming galaxies at $z \approx 0.4$ in and around Cl 0939+4713: the environment matters. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3443-3454.	1.6	37
224	The BlueTides simulation: first galaxies and reionization. Monthly Notices of the Royal Astronomical Society, 2016, 455, 2778-2791.	1.6	148
225	Machine learning and cosmological simulations – II. Hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2016, 457, 1162-1179.	1.6	41
226	SUPERLUMINOUS SPIRAL GALAXIES. Astrophysical Journal, 2016, 817, 109.	1.6	34
227	Large-scale mass distribution in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3024-3035.	1.6	60
228	The Copernicus Complexio: a high-resolution view of the small-scale Universe. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3492-3509.	1.6	84
229	The effects of AGN feedback and SPH formulation on black hole growth in galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1402-1416.	1.6	3
230	Halo mass function: baryon impact, fitting formulae, and implications for cluster cosmology. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2361-2373.	1.6	170
231	A weak gravitational lensing recalibration of the scaling relations linking the gas properties of dark haloes to their mass. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2301-2320.	1.6	33
232	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
233	Effects of simulated cosmological magnetic fields on the galaxy population. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 456, L69-L73.	1.2	40
234	Combined Solar system and rotation curve constraints on MOND. Monthly Notices of the Royal Astronomical Society, 2016, 455, 449-461.	1.6	72

#	ARTICLE	IF	CITATIONS
235	Evaluating galactic habitability using high-resolution cosmological simulations of galaxy formation. <i>International Journal of Astrobiology</i> , 2017, 16, 60-73.	0.9	36
236	When the Jeans Do Not Fit: How Stellar Feedback Drives Stellar Kinematics and Complicates Dynamical Modeling in Low-mass Galaxies. <i>Astrophysical Journal</i> , 2017, 835, 193.	1.6	41
237	IMPACT OF BARYONIC PHYSICS ON INTRINSIC ALIGNMENTS. <i>Astrophysical Journal</i> , 2017, 834, 169.	1.6	13
238	Renormalization-group flow of the effective action of cosmological large-scale structures. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 048-048.	1.9	21
239	Formation and Assembly History of Stellar Components in Galaxies as a Function of Stellar and Halo Mass. <i>Astrophysical Journal</i> , 2017, 836, 161.	1.6	16
240	Inhomogeneous cosmology and backreaction: Current status and future prospects. <i>International Journal of Modern Physics D</i> , 2017, 26, 1730011.	0.9	24
241	THE SAMI GALAXY SURVEY: REVISITING GALAXY CLASSIFICATION THROUGH HIGH-ORDER STELLAR KINEMATICS. <i>Astrophysical Journal</i> , 2017, 835, 104.	1.6	115
242	Galactic Angular Momentum in Cosmological Zoom-in Simulations. I. Disk and Bulge Components and the Galaxyâ€Halo Connection. <i>Astrophysical Journal</i> , 2017, 835, 289.	1.6	34
243	On the Evolution of Galaxy Spin in a Cosmological Hydrodynamic Simulation of Galaxy Clusters. <i>Astrophysical Journal</i> , 2017, 837, 68.	1.6	50
244	Log-normal Star Formation Histories in Simulated and Observed Galaxies. <i>Astrophysical Journal</i> , 2017, 839, 26.	1.6	59
245	The Velocity Dispersion Function of Very Massive Galaxy Clusters: Abell 2029 and Coma. <i>Astrophysical Journal, Supplement Series</i> , 2017, 229, 20.	3.0	44
246	Near-infrared Spectroscopy of Five Ultra-massive Galaxies at $1.7 \leq z \leq 2.7$. <i>Astrophysical Journal</i> , 2017, 838, 57.	1.6	8
247	Post-Newtonian Dynamical Modeling of Supermassive Black Holes in Galactic-scale Simulations. <i>Astrophysical Journal</i> , 2017, 840, 53.	1.6	45
248	On the OVI abundance in the circumgalactic medium of low-redshift galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 2966-2982.	1.6	58
249	The Impact of Galactic Winds on the Angular Momentum of Disk Galaxies in the Illustris Simulation. <i>Astrophysical Journal</i> , 2017, 841, 16.	1.6	45
250	Accurate mass and velocity functions of dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 4157-4174.	1.6	33
251	The SLUGGS survey: dark matter fractions at large radii and assembly epochs of early-type galaxies from globular cluster kinematics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 3949-3964.	1.6	45
252	Cosmological Structure Formation. , 0, , 136-160.		0

#	ARTICLE	IF	CITATIONS
253	SDSS IV MaNGA “metallicity and nitrogen abundance gradients in local galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 469, 151-170.	1.6	196
254	The extended epoch of galaxy formation: Age dating of ~ 3600 galaxies with $2 < z < 6.5$ in the VIMOS Ultra-Deep Survey. Astronomy and Astrophysics, 2017, 602, A35.	2.1	26
255	Theoretical Challenges in Galaxy Formation. Annual Review of Astronomy and Astrophysics, 2017, 55, 59-109.	8.1	443
256	Properties and Origin of Galaxy Velocity Bias in the Illustris Simulation. Astrophysical Journal, 2017, 841, 45.	1.6	28
257	The VIMOS Public Extragalactic Redshift Survey (VIPERS). Astronomy and Astrophysics, 2017, 602, A15.	2.1	33
258	Simulating cosmic ray physics on a moving mesh. Monthly Notices of the Royal Astronomical Society, 2017, 465, 4500-4529.	1.6	137
259	Advanced LIGO Constraints on Neutron Star Mergers and r-process Sites. Astrophysical Journal, 2017, 836, 230.	1.6	71
260	The Mass, Color, and Structural Evolution of Today’s Massive Galaxies Since $z \sim 1/4$. Astrophysical Journal, 2017, 837, 147.	1.6	44
261	Increasing Black Hole Feedback-induced Quenching with Anisotropic Thermal Conduction. Astrophysical Journal Letters, 2017, 837, L18.	3.0	40
262	The effects of host galaxy properties on merging compact binaries detectable by LIGO. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2831-2839.	1.6	42
263	Orbits of massive satellite galaxies “ 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
264	<i>Herschel</i> -ATLAS: revealing dust build-up and decline across gas, dust and stellar mass selected samples “ I. Scaling relations. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4680-4705.	1.6	47
265	Galaxy Zoo: morphological classifications for 120,000 galaxies in <i>HST</i> legacy imaging. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4176-4203.	1.6	51
266	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
267	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
268	Local two-sample testing: a new tool for analysing high-dimensional astronomical data. Monthly Notices of the Royal Astronomical Society, 2017, 471, 3273-3282.	1.6	5
269	Star Formation in Galaxies at $z \sim 1/4$ “5 from the SMUVS Survey: A Clear Starburst/Main-sequence Bimodality for H α Emitters on the SFR “ M* Plane. Astrophysical Journal, 2017, 849, 45.	1.6	62
270	A detection of wobbling brightest cluster galaxies within massive galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2017, 472, 1972-1980.	1.6	27

#	ARTICLE	IF	CITATIONS
271	Dark matter haloes: a multistream view. Monthly Notices of the Royal Astronomical Society, 2017, 470, 3359-3373.	1.6	2
272	Confronting semi-analytic galaxy models with galaxy-matter correlations observed by CFHTLenS. Astronomy and Astrophysics, 2017, 601, A98.	2.1	11
273	Lensing is low: cosmology, galaxy formation or new physics?. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3024-3047.	1.6	150
274	Realistic estimation for the detectability of dark matter subhalos using Fermi-LAT catalogs. Physical Review D, 2017, 96, .	1.6	26
275	Mapping the Most Massive Overdensities through Hydrogen (MAMMOTH). II. Discovery of the Extremely Massive Overdensity BOSS1441 at $z=2.32$. Astrophysical Journal, 2017, 839, 131.	1.6	84
276	Cosmic ray feedback in galaxies and active galactic nuclei. AIP Conference Proceedings, 2017, , .	0.3	2
277	Galaxy properties from J-PAS narrow-band photometry. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4722-4746.	1.6	8
278	What is the right way to quench star formation in semi-analytic models of galaxy formation?. Research in Astronomy and Astrophysics, 2017, 17, 12.	0.7	2
279	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
280	The multiwavelength Tully-Fisher relation with spatially resolved $H\alpha$ kinematics. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2387-2400.	1.6	54
281	Baryon effects on void statistics in the EAGLE simulation. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4434-4452.	1.6	24
282	On the dynamics of supermassive black holes in gas-rich, star-forming galaxies: the case for nuclear star cluster co-evolution. Monthly Notices of the Royal Astronomical Society, 2017, 469, 295-313.	1.6	28
283	Gravitational torque-driven black hole growth and feedback in cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2840-2853.	1.6	162
284	The cosmic baryon cycle and galaxy mass assembly in the FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4698-4719.	1.6	289
285	Not so lumpy after all: modelling the depletion of dark matter subhaloes by Milky Way-like galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1709-1727.	1.6	242
286	Active galactic nuclei feedback, quiescence and circumgalactic medium metal enrichment in early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 468, 751-768.	1.6	38
287	Supermassive Black Holes as the Regulators of Star Formation in Central Galaxies. Astrophysical Journal, 2017, 844, 170.	1.6	59
288	The case of the missing satellites. Synthese, 2017, , 1.	0.6	0

#	ARTICLE	IF	CITATIONS
289	Are Fossil Groups Early-forming Galaxy Systems?. <i>Astrophysical Journal</i> , 2017, 845, 45.	1.6	19
290	The metallicity and star formation activity of long gamma-ray burst hosts for $z \lesssim 3$: insights from the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 4921-4932.	1.6	11
291	The Velocity Dispersion Function for Quiescent Galaxies in the Local Universe. <i>Astrophysical Journal</i> , 2017, 845, 73.	1.6	17
292	The little Galaxies that could (reionize the universe): predicting faint end slopes & escape fractions at $z \lesssim 4$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 4077-4092.	1.6	30
293	The Circumgalactic Medium. <i>Annual Review of Astronomy and Astrophysics</i> , 2017, 55, 389-432.	8.1	635
294	VALES I: the molecular gas content in star-forming dusty H-ATLAS galaxies up to $z = 0.35$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 3775-3805.	1.6	27
295	Mass-Discrepancy Acceleration Relation: A Natural Outcome of Galaxy Formation in Cold Dark Matter Halos. <i>Physical Review Letters</i> , 2017, 118, 161103.	2.9	95
296	Future constraints on halo thermodynamics from combined Sunyaev-Zel'dovich measurements. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 040-040.	1.9	44
297	Panchromatic Hubble Andromeda Treasury. XVIII. The High-mass Truncation of the Star Cluster Mass Function. <i>Astrophysical Journal</i> , 2017, 839, 78.	1.6	75
298	THE CONCENTRATION DEPENDENCE OF THE GALAXY-HALO CONNECTION: MODELING ASSEMBLY BIAS WITH ABUNDANCE MATCHING. <i>Astrophysical Journal</i> , 2017, 834, 37.	1.6	104
299	FOLLOWING THE COSMIC EVOLUTION OF PRISTINE GAS. I. IMPLICATIONS FOR MILKY WAY HALO STARS. <i>Astrophysical Journal</i> , 2017, 834, 23.	1.6	32
300	MC ² : Multiwavelength and Dynamical Analysis of the Merging Galaxy Cluster ZwCl 0008.8+5215: An Older and Less Massive Bullet Cluster. <i>Astrophysical Journal</i> , 2017, 838, 110.	1.6	28
301	Stacked Star Formation Rate Profiles of Bursty Galaxies Exhibit â€œCoherentâ€• Star Formation. <i>Astrophysical Journal Letters</i> , 2017, 849, L2.	3.0	19
302	The Diversity of Assembly Histories Leading to Disc Galaxy Formation in a Λ CDM Model. <i>Publications of the Astronomical Society of Australia</i> , 2017, 34, .	1.3	15
303	The role of mergers and halo spin in shaping galaxy morphology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 3083-3098.	1.6	134
304	Angular Momentum of Early- and Late-type Galaxies: Nature or Nurture?. <i>Astrophysical Journal</i> , 2017, 843, 105.	1.6	22
305	Do You See What I See? Exploring the Consequences of Luminosity Limits in Black Hole-Galaxy Evolution Studies. <i>Astrophysical Journal</i> , 2017, 843, 125.	1.6	11
306	The Splashback Radius of Halos from Particle Dynamics. I. The SPARTA Algorithm. <i>Astrophysical Journal, Supplement Series</i> , 2017, 231, 5.	3.0	70

#	ARTICLE	IF	CITATIONS
307	Impact of supermassive black hole growth on star formation. <i>Nature Astronomy</i> , 2017, 1, .	4.2	190
308	Modeling for Stellar Feedback in Galaxy Formation Simulations. <i>Astrophysical Journal</i> , 2017, 836, 204.	1.6	26
309	The merger history of the complex cluster Abell 1758: a combined weak lensing and spectroscopic view. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 2614-2632.	1.6	28
310	Small-Scale Challenges to the Λ CDM Paradigm. <i>Annual Review of Astronomy and Astrophysics</i> , 2017, 55, 343-387.	8.1	921
311	High Angular Momentum Halo Gas: A Feedback and Code-independent Prediction of LCDM. <i>Astrophysical Journal</i> , 2017, 843, 47.	1.6	74
312	The Sherwood simulation suite: overview and data comparisons with the Lyman- α forest at redshifts 2 $\leq z \leq$ 5. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 897-914.	1.6	119
313	NIHAO – VIII. Circum-galactic medium and outflows – The puzzles of H α and O α gas distributions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 2796-2815.	1.6	48
314	Massive black hole binary mergers in dynamical galactic environments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 3131-3157.	1.6	127
315	nFTy galaxy cluster simulations – V. Investigation of the cluster infall region. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 2027-2038.	1.6	16
316	Outflows driven by quasars in high-redshift galaxies with radiation hydrodynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 1854-1873.	1.6	66
317	Galaxy gas as obscurer – I. GRBs x-ray galaxies and find an N_{H}^3 propto M_{star} relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 4545-4566.	1.6	36
318	Rotation curve fitting and its fatal attraction to cores in realistically simulated galaxy observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 63-87.	1.6	42
319	Contributions to the accreted stellar halo: an atlas of stellar deposition. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 2882-2895.	1.6	116
320	Diverse stellar haloes in nearby Milky Way mass disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 1491-1512.	1.6	90
321	ProFit: Bayesian profile fitting of galaxy images. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 1513-1541.	1.6	85
322	Galaxy simulation with dust formation and destruction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 105-121.	1.6	91
323	SDSS-IV MaNGA – the spatially resolved transition from star formation to quiescence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 2570-2589.	1.6	85
324	Black hole clustering and duty cycles in the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 3331-3343.	1.6	21

#	ARTICLE	IF	CITATIONS
325	Optical colours and spectral indices of $z \approx 0.1$ eagle galaxies with the 3D dust radiative transfer code skirt. Monthly Notices of the Royal Astronomical Society, 2017, 470, 771-799.	1.6	152
326	SHARP â€“ IV. An apparent flux-ratio anomaly resolved by the edge-on disc in B0712+472. Monthly Notices of the Royal Astronomical Society, 2017, 469, 3713-3721.	1.6	49
327	Colours, star formation rates and environments of star-forming and quiescent galaxies at the cosmic noon. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1050-1072.	1.6	65
328	The mass and momentum outflow rates of photoionized galactic outflows. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4831-4849.	1.6	114
329	The Horizon-AGN simulation: evolution of galaxy properties over cosmic time. Monthly Notices of the Royal Astronomical Society, 0, , stx126.	1.6	117
330	Small-scale galaxy clustering in the eagle simulation. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1771-1787.	1.6	28
331	Introducing the FirstLight project: UV luminosity function and scaling relations of primeval galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2791-2798.	1.6	52
332	Two channels for the formation of compact dwarf galaxies in clusters of galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4015-4025.	1.6	13
333	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
334	Abell 2744: too much substructure for Λ CDM?. Monthly Notices of the Royal Astronomical Society, 2017, 467, 2913-2923.	1.6	20
335	Testing galaxy quenching theories with scatter in the stellar-to-halo mass relation. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3533-3541.	1.6	15
336	The origin of the most massive black holes at high-z: BlueTides and the next quasar frontier. Monthly Notices of the Royal Astronomical Society, 2017, 467, 4243-4251.	1.6	83
337	Young and turbulent: the early life of massive galaxy progenitors. Monthly Notices of the Royal Astronomical Society, 2017, 467, 4080-4100.	1.6	27
338	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
339	Black hole feeding and feedback: the physics inside the â€“sub-gridâ€“ TM . Monthly Notices of the Royal Astronomical Society, 2017, 467, 3475-3492.	1.6	46
340	Accurate initial conditions in mixed dark matterâ€“baryon simulations. Monthly Notices of the Royal Astronomical Society, 2017, 467, 4401-4409.	1.6	21
341	Reconciling mass functions with the star-forming main sequence via mergers. Monthly Notices of the Royal Astronomical Society, 2017, 468, 849-856.	1.6	7
342	Supra-galactic colour patterns in globular cluster systems. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3917-3934.	1.6	5

#	ARTICLE	IF	CITATIONS
343	Metal flows of the circumgalactic medium, and the metal budget in galactic haloes. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4170-4188.	1.6	119
344	The structural and dynamical properties of compact elliptical galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4216-4245.	1.6	49
345	The origin and evolution of fast and slow rotators in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3883-3906.	1.6	78
346	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
347	Intrinsic alignments of galaxies in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2017, 468, 790-823.	1.6	55
348	fire in the field: simulating the threshold of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2017, 471, 3547-3562.	1.6	173
349	Formation and settling of a disc galaxy during the last 8 billion years in a cosmological simulation. Monthly Notices of the Royal Astronomical Society, 2017, 467, 2664-2672.	1.6	23
350	The edge of galaxy formation – I. Formation and evolution of MW-satellite analogues before accretion. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2356-2366.	1.6	42
351	A tight relation between the age distributions of stellar clusters and the properties of the interstellar medium in the host galaxy. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1421-1435.	1.6	19
352	Simplified galaxy formation with mesh-less hydrodynamics. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1673-1686.	1.6	9
353	The Illustris Simulation: Supermassive Black Hole – Galaxy Connection Beyond the Bulge. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	22
354	The properties of the first galaxies in the BlueTides simulation. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2517-2530.	1.6	63
355	Constraining the H – Halo Mass Relation from Galaxy Clustering. Astrophysical Journal, 2017, 846, 61.	1.6	49
356	Cosmological applications of the Brown-York quasilocal mass. Physical Review D, 2017, 96, .	1.6	8
357	Cooling in a dissipative dark sector. Physical Review D, 2017, 96, .	1.6	25
358	The relationship between star formation activity and galaxy structural properties in CANDELS and a semi-analytic model. Monthly Notices of the Royal Astronomical Society, 2017, 465, 619-640.	1.6	41
359	The nature of massive transition galaxies in CANDELS, GAMA and cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2054-2084.	1.6	63
360	The Hydrangea simulations: galaxy formation in and around massive clusters. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4186-4208.	1.6	167

#	ARTICLE	IF	CITATIONS
361	The unorthodox evolution of major merger remnants into star-forming spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 470, 3946-3958.	1.6	62
362	Simulating the dust content of galaxies: successes and failures. Monthly Notices of the Royal Astronomical Society, 2017, 468, 1505-1521.	1.6	109
363	Stellar Dynamics and Star Formation Histories of $z \sim 1$ Radio-loud Galaxies. Astrophysical Journal, 2017, 847, 72.	1.6	26
364	Testing the Presence of Multiple Photometric Components in Nearby Early-type Galaxies Using SDSS. Astrophysical Journal, 2017, 836, 115.	1.6	23
365	Detection of Prominent Stellar Disks in the Progenitors of Present-day Massive Elliptical Galaxies. Astrophysical Journal, 2017, 836, 75.	1.6	10
366	Implications of Galaxy Buildup for Putative IMF Variations in Massive Galaxies. Astrophysical Journal, 2017, 845, 136.	1.6	7
367	Trident: A Universal Tool for Generating Synthetic Absorption Spectra from Astrophysical Simulations. Astrophysical Journal, 2017, 847, 59.	1.6	61
368	Full-sky Gravitational Lensing Simulation for Large-area Galaxy Surveys and Cosmic Microwave Background Experiments. Astrophysical Journal, 2017, 850, 24.	1.6	114
369	Galaxies with Prolate Rotation in Illustris. Astrophysical Journal, 2017, 850, 144.	1.6	25
370	Testing the Recovery of Intrinsic Galaxy Sizes and Masses of $z \sim 2$ Massive Galaxies Using Cosmological Simulations. Astrophysical Journal Letters, 2017, 844, L6.	3.0	25
371	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
372	Halo at the ragged edge: the importance of the splashback radius. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2694-2712.	1.6	6
373	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
374	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
375	Galaxy-halo alignments in the Horizon-AGN cosmological hydrodynamical simulation. Monthly Notices of the Royal Astronomical Society, 2017, 472, 1163-1181.	1.6	53
376	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
377	The evolution of the star formation rate function in the EAGLE simulations: a comparison with UV, IR and $\text{H}\alpha$ observations from $z \sim 8$ to $z \sim 0$. Monthly Notices of the Royal Astronomical Society, 2017, 472, 919-939.	1.6	62
378	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

#	ARTICLE	IF	CITATIONS
379	A moving-mesh hydrodynamic solver for ChaNGa. Monthly Notices of the Royal Astronomical Society, 2017, 471, 3577-3589.	1.6	13
380	Dark-ages reionization and galaxy formation simulation â€“ X. The small contribution of quasars to reionization. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2009-2027.	1.6	58
381	Density profile of dark matter haloes and galaxies in the horizonâ€“agn simulation: the impact of AGN feedback. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2153-2169.	1.6	102
382	Dark-ages reionization and galaxy formation simulation â€“ XIII. AGN quenching of high-redshift star formation in ZF-COSMOS-20115. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4345-4354.	1.6	13
383	Can HI 21-cm lines trace the missing baryons in the filamentary structures?. Publication of the Astronomical Society of Japan, 2017, 69, .	1.0	8
384	Clustering of Mgâ€“ii absorption line systems around massive galaxies: an important constraint on feedback processes in galaxy formation. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3737-3745.	1.6	9
385	The KMOS Redshift One Spectroscopic Survey (KROSS): rotational velocities and angular momentum of $z \sim 0.9$ galaxiesâ€“.... Monthly Notices of the Royal Astronomical Society, 2017, 467, 1965-1983.	1.6	72
386	The edge of galaxy formation â€“ II. Evolution of Milky Way satellite analogues after infall. Monthly Notices of the Royal Astronomical Society, 2017, 472, 3378-3389.	1.6	27
387	The effect of stellar and AGN feedback on the low-redshift Lyman $\hat{\pm}$ forest in the Sherwood simulation suite. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1056-1069.	1.6	17
388	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
389	Size evolution of normal and compact galaxies in the EAGLE simulation. Monthly Notices of the Royal Astronomical Society, 2017, 465, 722-738.	1.6	170
390	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
391	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
392	The limited role of galaxy mergers in driving stellar mass growth over cosmic time. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 472, L50-L54.	1.2	31
393	The MUSE<i>Hubble</i> Ultra Deep Field Survey. Astronomy and Astrophysics, 2017, 608, A9.	2.1	52
394	The Faberâ€“Jackson relation and Fundamental Plane from halo abundance matching. Monthly Notices of the Royal Astronomical Society, 2017, 465, 820-833.	1.6	36
395	Understanding the Galaxy. Proceedings of the International Astronomical Union, 2017, 14, 50-55.	0.0	0
396	Real- and redshift-space halo clustering in <i>f</i> (<i>R</i>) cosmologies. Monthly Notices of the Royal Astronomical Society, 0, , stx196.	1.6	12

#	ARTICLE	IF	CITATIONS
397	A box full of chocolates: The rich structure of the nearby stellar halo revealed by <i>Gaia</i> and RAVE. <i>Astronomy and Astrophysics</i> , 2017, 598, A58.	2.1	99
398	The Impact of Modeling Assumptions in Galactic Chemical Evolution Models. <i>Astrophysical Journal</i> , 2017, 835, 128.	1.6	70
399	Theoretical Re-evaluations of Scaling Relations between SMBHs and Their Host Galaxies—2. Importance of AGN Feedback Suggested by Stellar Age–Velocity Dispersion Relation. <i>Frontiers in Astronomy and Space Sciences</i> , 2017, 4, .	1.1	1
400	Galaxy formation with BECDM – I. Turbulence and relaxation of idealized haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 4559-4570.	1.6	208
401	Galaxies with Shells in the Illustris Simulation: Metallicity Signatures. <i>Galaxies</i> , 2017, 5, 34.	1.1	12
402	Mg II Absorption at $z \sim 7$ with Magellan/Fire. III. Full Statistics of Absorption toward 100 High-redshift QSOs*. <i>Astrophysical Journal</i> , 2017, 850, 188.	1.6	42
403	Effects of galaxy–satellite interactions on bar formation. <i>Astronomy and Astrophysics</i> , 2017, 604, A75.	2.1	17
404	Mimetic Gravity: A Review of Recent Developments and Applications to Cosmology and Astrophysics. <i>Advances in High Energy Physics</i> , 2017, 2017, 1-43.	0.5	190
405	The Cluster-EAGLE project: global properties of simulated clusters with resolved galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 1088-1106.	1.6	178
406	Mufasa: Galaxy star formation, gas, and metal properties across cosmic time. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stx108.	1.6	84
407	Massive close pairs measure rapid galaxy assembly in mergers at high redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 207-216.	1.6	68
408	The Next Generation Virgo Cluster Survey (NGVS). XXIV. The Red Sequence to $z \sim 6$ and Comparisons with Galaxy Formation Models. <i>Astrophysical Journal</i> , 2017, 836, 120.	1.6	40
409	mufasa: the assembly of the red sequence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 1671-1687.	1.6	38
410	The KMOS Deep Survey (KDS) – I. Dynamical measurements of typical star-forming galaxies at $z \sim 3.5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 1280-1320.	1.6	71
411	Decoding Galactic Merger Histories. <i>Galaxies</i> , 2017, 5, 95.	1.1	2
412	Dark-ages Reionization & Galaxy Formation Simulation VIII. Suppressed growth of dark matter halos during the Epoch of Reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stx083.	1.6	4
413	PRIMUS: ONE- AND TWO-HALO GALACTIC CONFORMITY AT $0.2 < z < 1$. <i>Astrophysical Journal</i> , 2017, 834, 87.	1.6	32
414	Simulations of MW-mass galaxies in the cosmological context. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 201-208.	0.0	0

#	ARTICLE	IF	CITATIONS
415	How stellar feedback simultaneously regulates star formation and drives outflows. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1682-1698.	1.6	151
416	The rise and fall of stellar across the peak of cosmic star formation history: effects of mergers versus diffuse stellar mass acquisition. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1241-1258.	1.6	32
417	The origin of the enhanced metallicity of satellite galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 464, 508-529.	1.6	36
418	A chronicle of galaxy mass assembly in the EAGLE simulation. Monthly Notices of the Royal Astronomical Society, 2017, 464, 1659-1675.	1.6	145
419	Non-parametric morphologies of mergers in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1106-1122.	1.6	16
420	Properties of H ₂ discs in the Auriga cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3859-3875.	1.6	50
421	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
422	A consistent measure of the merger histories of massive galaxies using close-pair statistics â€“ I. Major mergers at z$\lesssim 3.5$. Monthly Notices of the Royal Astronomical Society, 2017, 470, 3507-3531.	1.6	86
423	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
424	On the effect of galactic outflows in cosmological simulations of disc galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 470, 3167-3193.	1.6	19
425	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
426	The impact of baryonic physics on the subhalo mass function and implications for gravitational lensing. Monthly Notices of the Royal Astronomical Society, 2017, 469, 1997-2010.	1.6	75
427	Jeans that fit: weighing the mass of the Milky Way analogues in the Λ CDM universe. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4434-4449.	1.6	9
428	Tidal stripping and the structure of dwarf galaxies in the Local Group. Monthly Notices of the Royal Astronomical Society, 2018, 476, 3816-3836.	1.6	79
429	Comparing galaxy formation in semi-analytic models and hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2018, 474, 492-521.	1.6	42
431	The Next Generation Fornax Survey (NGFS). II. The Central Dwarf Galaxy Population. Astrophysical Journal, 2018, 855, 142.	1.6	74
432	The abundance, distribution, and physical nature of highly ionized oxygen O ^{vi} , O ^{vii} , and O ^{viii} in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2018, 477, 450-479.	1.6	133
433	The Mass and Absorption Columns of Galactic Gaseous Halos. Astrophysical Journal, 2018, 856, 5.	1.6	29

#	ARTICLE	IF	CITATIONS
434	The BAHAMAS project: the CMB's large-scale structure tension and the roles of massive neutrinos and galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 2999-3030.	1.6	113
435	The vertical structure of gaseous galaxy discs in cold dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 1019-1037.	1.6	26
436	A quartet of black holes and a missing duo: probing the low end of the MBH- \dot{M} relation with the adaptive optics assisted integral-field spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 3030-3064.	1.6	37
437	Recent progress in simulating galaxy formation from the largest to the smallest scales. <i>Nature Astronomy</i> , 2018, 2, 368-373.	4.2	8
438	Dynamics of merging: post-merger mixing and relaxation of an Illustris galaxy. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 033-033.	1.9	2
439	sprai: coupling of radiative feedback and primordial chemistry in moving mesh hydrodynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 2822-2834.	1.6	13
440	Quantifying the impact of mergers on the angular momentum of simulated galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 4956-4974.	1.6	113
441	First results from the IllustrisTNG simulations: the galaxy colour bimodality. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 624-647.	1.6	894
442	The masses and metallicities of stellar haloes reflect galactic merger histories. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 5300-5318.	1.6	66
443	First results from the IllustrisTNG simulations: the stellar mass content of groups and clusters of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 648-675.	1.6	983
444	First results from the IllustrisTNG simulations: matter and galaxy clustering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 676-698.	1.6	1,035
445	Exploring the cosmic evolution of habitability with galaxy merger trees. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1829-1842.	1.6	10
446	Galaxy motions cause trouble for cosmology. <i>Science</i> , 2018, 359, 520-521.	6.0	1
447	Simulating galaxy formation with the IllustrisTNG model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 4077-4106.	1.6	1,144
448	The uniformity and time-invariance of the intra-cluster metal distribution in galaxy clusters from the IllustrisTNG simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 2073-2093.	1.6	71
449	The size evolution of star-forming and quenched galaxies in the IllustrisTNG simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 3976-3996.	1.6	195
450	Gas flows in the circumgalactic medium around simulated high-redshift galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 4279-4301.	1.6	22
451	Black-hole-regulated star formation in massive galaxies. <i>Nature</i> , 2018, 553, 307-309.	13.7	45

#	ARTICLE	IF	CITATIONS
452	An Alternate Approach to Measure Specific Star Formation Rates at. <i>Astrophysical Journal</i> , 2018, 852, 107.	1.6	32
453	Tracing the cosmic web. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 1195-1217.	1.6	187
454	The stellar orbit distribution in present-day galaxies inferred from the CALIFA survey. <i>Nature Astronomy</i> , 2018, 2, 233-238.	4.2	56
455	An excess of massive stars in the local 30 Doradus starburst. <i>Science</i> , 2018, 359, 69-71.	6.0	164
456	First results from the IllustrisTNG simulations: a tale of two elements – chemical evolution of magnesium and europium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 1206-1224.	1.6	746
457	Bimodal Formation Time Distribution for Infall Dark Matter Halos. <i>Astrophysical Journal</i> , 2018, 857, 127.	1.6	4
458	The relationship between galaxy and dark matter halo size from $z \sim 1/4$ to the present. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 2714-2736.	1.6	86
459	Large-scale galaxy bias. <i>Physics Reports</i> , 2018, 733, 1-193.	10.3	477
460	Single sources in the low-frequency gravitational wave sky: properties and time to detection by pulsar timing arrays. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 964-976.	1.6	61
461	Interactive 3D visualization for theoretical virtual observatories. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 1495-1507.	1.6	10
462	Estimating the Mass of the Milky Way Using the Ensemble of Classical Satellite Galaxies. <i>Astrophysical Journal</i> , 2018, 857, 78.	1.6	40
463	Stellar ages and masses in the solar neighbourhood: Bayesian analysis using spectroscopy and Gaia DR1 parallaxes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 2966-2975.	1.6	20
464	The KMOS ^{3D} Survey: Rotating Compact Star-forming Galaxies and the Decomposition of Integrated Line Widths*. <i>Astrophysical Journal</i> , 2018, 855, 97.	1.6	32
465	SDSS-IV MaNGA: Uncovering the Angular Momentum Content of Central and Satellite Early-type Galaxies. <i>Astrophysical Journal</i> , 2018, 852, 36.	1.6	23
466	A $16^\circ \times 2^\circ$ survey of emission-line galaxies at $z < 1.5$ in HSC-SSP Public Data Release 1. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	17
467	ELUCID. IV. Galaxy Quenching and its Relation to Halo Mass, Environment, and Assembly Bias. <i>Astrophysical Journal</i> , 2018, 852, 31.	1.6	52
468	Identifying the subtle signatures of feedback from distant AGN using ALMA observations and the EAGLE hydrodynamical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1288-1305.	1.6	44
469	Predictions for deep galaxy surveys with JWST from Λ CDM. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 2352-2372.	1.6	46

#	ARTICLE	IF	CITATIONS
470	Order out of Randomness: Self-Organization Processes in Astrophysics. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	38
471	The Three Hundred Project: The Influence of Environment on Simulated Galaxy Properties. <i>Astrophysical Journal</i> , 2018, 868, 130.	1.6	32
472	Late Bloomer Galaxies: Growing Up in Cosmic Autumn. <i>Astrophysical Journal</i> , 2018, 869, 152.	1.6	13
473	Stellar Velocity Dispersion: Linking Quiescent Galaxies to Their Dark Matter Halos. <i>Astrophysical Journal</i> , 2018, 859, 96.	1.6	25
474	Momentum-driven Winds from Radiatively Efficient Black Hole Accretion and Their Impact on Galaxies. <i>Astrophysical Journal</i> , 2018, 860, 14.	1.6	35
475	Resolved Star Formation Efficiency in the Antennae Galaxies. <i>Astrophysical Journal</i> , 2018, 862, 147.	1.6	13
476	The Spin Alignment of Galaxies with the Large-scale Tidal Field in Hydrodynamic Simulations. <i>Astrophysical Journal</i> , 2018, 866, 138.	1.6	46
477	Satellite Galaxies in the Illustris-1 Simulation: Poor Tracers of the Mass Distribution. <i>Astrophysical Journal Letters</i> , 2018, 868, L7.	3.0	4
478	Galaxy And Mass Assembly (GAMA): The sSFR-M* relation part I – sSFR-M* as a function of sample, SFR indicator and environment. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	38
479	Statistics of Two-point Correlation and Network Topology for Lyman Alpha Emitters at $z \approx 2.67$. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	3
480	Cold Molecular Outflows in the Local Universe and Their Feedback Effect on Galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	125
481	SDSS-IV MaNGA: global stellar population and gradients for about 2000 early-type and spiral galaxies on the mass-size plane. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 1765-1775.	1.6	89
482	A gradient based method for modeling baryons and matter in halos of fast simulations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 009-009.	1.9	23
483	A Fundamental Test for Galaxy Formation Models: Matching the Lyman- α Absorption Profiles of Galactic Halos Over Three Decades in Distance. <i>Astrophysical Journal</i> , 2018, 859, 125.	1.6	20
484	Wide-field Optical Spectroscopy of Abell 133: A Search for Filaments Reported in X-Ray Observations. <i>Astrophysical Journal</i> , 2018, 867, 25.	1.6	23
485	COLOSSUS: A Python Toolkit for Cosmology, Large-scale Structure, and Dark Matter Halos. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 35.	3.0	271
486	N-body simulations of structure formation in thermal inflation cosmologies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 010-010.	1.9	2
487	The SELGIFS data challenge: generating synthetic observations of CALIFA galaxies from hydrodynamical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 917-931.	1.6	15

#	ARTICLE	IF	CITATIONS
488	Tidally Induced Morphology of M33 in Hydrodynamical Simulations of Its Recent Interaction with M31. <i>Astrophysical Journal</i> , 2018, 864, 34.	1.6	15
489	Galaxy mergers moulding the circum-galactic medium â€“ I. The impact of a major merger. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1160-1176.	1.6	44
490	Halo occupation distribution (HOD) modelling of high redshift galaxies using the BlueTides simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 3177-3192.	1.6	11
491	Observability of intermittent radio sources in galaxy groups and clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 5286-5306.	1.6	21
492	The large-scale effect of environment on galactic conformity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 3136-3144.	1.6	7
493	Star Formation Histories of $z \sim 1/4$ Galaxies in LEGA-C. <i>Astrophysical Journal</i> , 2018, 861, 13.	1.6	36
494	Molecular Gas Contents and Scaling Relations for Massive, Passive Galaxies at Intermediate Redshifts from the LEGA-C Survey. <i>Astrophysical Journal</i> , 2018, 860, 103.	1.6	48
495	The Spatial Distribution of Satellite Galaxies Selected from Redshift Space. <i>Astrophysical Journal</i> , 2018, 862, 169.	1.6	5
496	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). <i>Astronomy and Astrophysics</i> , 2018, 614, A56.	2.1	70
497	The Grism Lens-amplified Survey from Space (GLASS). XII. Spatially Resolved Galaxy Star Formation Histories and True Evolutionary Paths at $z \sim 1$. <i>Astronomical Journal</i> , 2018, 156, 29.	1.9	8
498	An FMOS Survey of Moderate-luminosity, Broad-line AGNs in COSMOS, SXDS, and E-CDF-S. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 22.	3.0	15
499	Towards an improved model of self-interacting dark matter haloes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 038-038.	1.9	24
500	The Brightest Galaxies in the Dark Ages: Galaxiesâ€™ Dust Continuum Emission during the Reionization Era. <i>Astrophysical Journal</i> , 2018, 862, 77.	1.6	92
501	ETHOS â€“ an effective theory of structure formation: predictions for the high-redshift Universe â€“ abundance of galaxies and reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 2886-2899.	1.6	42
502	Fossil group origins. <i>Astronomy and Astrophysics</i> , 2018, 618, A172.	2.1	13
503	The impact of assembly bias on the halo occupation in hydrodynamical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 3978-3992.	1.6	74
504	First results from the IllustrisTNG simulations: radio haloes and magnetic fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	643
505	A Multimessenger View of Galaxies and Quasars From Now to Mid-century. <i>Frontiers in Astronomy and Space Sciences</i> , 2018, 5, .	1.1	6

#	ARTICLE	IF	CITATIONS
506	BlueTides simulation: establishing black hole-galaxy relations at high redshift. Monthly Notices of the Royal Astronomical Society, 2018, 478, 5063-5073.	1.6	23
507	Strong-lensing measurement of the total-mass-density profile out to three effective radii for $z \sim 0.5$ early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 480, 431-438.	1.6	29
508	The galaxy clustering crisis in abundance matching. Monthly Notices of the Royal Astronomical Society, 2018, 477, 359-383.	1.6	47
509	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
510	Forecasts on dark energy from the X-ray cluster survey with eROSITA: constraints from counts and clustering. Monthly Notices of the Royal Astronomical Society, 2018, 481, 613-626.	1.6	39
511	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
512	Deviations from hydrostatic equilibrium in the circumgalactic medium: spinning hot haloes and accelerating flows. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2963-2975.	1.6	54
513	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
514	Gas outflows from the $z \sim 7.54$ quasar: predictions from the BlueTides simulation. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4877-4884.	1.6	24
515	Small- and large-scale galactic conformity in SDSS DR7. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2031-2045.	1.6	23
516	Tracing Outflowing Metals in Simulations of Dwarf and Spiral Galaxies. Astrophysical Journal, 2018, 867, 142.	1.6	51
517	Statistical Properties of Paired Fixed Fields. Astrophysical Journal, 2018, 867, 137.	1.6	42
518	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
519	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
520	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
521	Inferring the star formation histories of massive quiescent galaxies with bagpipes: evidence for multiple quenching mechanisms. Monthly Notices of the Royal Astronomical Society, 2018, 480, 4379-4401.	1.6	311
522	The ALFALFA $H\alpha$ mass function: a dichotomy in the low-mass slope and a locally suppressed σ_{HI} mass. Monthly Notices of the Royal Astronomical Society, 2018, 477, 2-17.	1.6	119
523	YZiCS: Preprocessing of Dark Halos in the Hydrodynamic Zoom-in Simulation of Clusters. Astrophysical Journal, 2018, 866, 78.	1.6	36

#	ARTICLE	IF	CITATIONS
524	On the Origin of Gas-poor Galaxies in Galaxy Clusters Using Cosmological Hydrodynamic Simulations. <i>Astrophysical Journal</i> , 2018, 865, 156.	1.6	39
525	Regular Substructures in the Rich Open Galaxy Clusters. <i>Astronomy Reports</i> , 2018, 62, 911-916.	0.2	2
526	Colour-magnitude diagram in simulations of galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 722-741.	1.6	8
527	The host galaxies of double compact objects merging in the local Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 5324-5330.	1.6	37
528	A census of cool-core galaxy clusters in IllustrisTNG. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 1809-1831.	1.6	68
529	The rapid growth phase of supermassive black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 3118-3128.	1.6	58
530	Simulation techniques for modified gravity. <i>International Journal of Modern Physics D</i> , 2018, 27, 1848003.	0.9	16
531	Photoevaporation of Molecular Clouds in Regions of Massive Star Formation as Revealed through H ₂ and Br ₁₃ Emission. <i>Astrophysical Journal</i> , 2018, 869, 77.	1.6	7
532	The impact of Lyman- α radiative transfer on large-scale clustering in the Illustris simulation. <i>Astronomy and Astrophysics</i> , 2018, 614, A31.	2.1	23
533	The Dawes Review 8: Measuring the Stellar Initial Mass Function. <i>Publications of the Astronomical Society of Australia</i> , 2018, 35, .	1.3	76
534	Black Hole-Galaxy Scaling Relationships for Active Galactic Nuclei with Reverberation Masses. <i>Astrophysical Journal</i> , 2018, 864, 146.	1.6	55
535	Stellar halos in Illustris: probing the histories of Milky Way-mass galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 4004-4016.	1.6	35
536	Growing a "cosmic beast": observations and simulations of MACSJ0717.5+3745. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 2901-2917.	1.6	25
537	Group quenching and galactic conformity at low redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 2684-2704.	1.6	20
538	Estimating the Milky Way's Mass via Hierarchical Bayes: A Blind Test on MUGS2 Simulated Galaxies. <i>Astrophysical Journal</i> , 2018, 865, 72.	1.6	17
539	Resolution convergence in cosmological hydrodynamical simulations using adaptive mesh refinement. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 983-1003.	1.6	6
540	The origin of the diverse morphologies and kinematics of Milky Way-mass galaxies in the FIRE-2 simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 4133-4157.	1.6	91
541	Formation and incidence of shell galaxies in the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 1715-1739.	1.6	55

#	ARTICLE	IF	CITATIONS
542	Resolution of the apparent discrepancy between the number of massive subhaloes in Abell 2744 and Λ CDM. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 478, L34-L38.	1.2	6
543	The <i>JWST</i> Extragalactic Mock Catalog: Modeling Galaxy Populations from the UV through the Near-IR over 13 Billion Years of Cosmic History. Astrophysical Journal, Supplement Series, 2018, 236, 33.	3.0	106
544	History and destiny of an emerging early-type galaxy. Astronomy and Astrophysics, 2018, 614, A32.	2.1	19
545	Main sequence of star forming galaxies beyond the <i>Herschel</i> confusion limit. Astronomy and Astrophysics, 2018, 615, A146.	2.1	104
546	Cosmic ray driven outflows in an ultraluminous galaxy. Monthly Notices of the Royal Astronomical Society, 2018, 477, 531-538.	1.6	13
547	Stellar feedback and the energy budget of late-type Galaxies: missing baryons and core creation. Monthly Notices of the Royal Astronomical Society, 2018, 480, 4287-4301.	1.6	8
548	Probing the nature of dark matter by forward modelling flux ratios in strong gravitational lenses. Monthly Notices of the Royal Astronomical Society, 2018, 481, 819-834.	1.6	44
549	Early galaxy formation and its large-scale effects. Physics Reports, 2018, 780-782, 1-64.	10.3	273
550	The cosmic merger rate of neutron stars and black holes. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4391-4398.	1.6	154
551	MultiDark clusters: galaxy cluster mock light-cones, eROSITA, and the cluster power spectrum. Monthly Notices of the Royal Astronomical Society, 2018, 480, 987-1005.	1.6	10
552	Absorption systems at $z \approx 2$ as a probe of the circum galactic medium: a probabilistic approach. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	1
553	Testing the Breathing Mode in Intermediate-mass Galaxies and Its Predicted Star Formation Rate-size Anti-correlation [*] . Astrophysical Journal Letters, 2018, 866, L21.	3.0	6
554	Ingredients for 21 cm Intensity Mapping. Astrophysical Journal, 2018, 866, 135.	1.6	139
555	The Stripe 82 21 GHz Very Large Array Snapshot Survey: host galaxy properties and accretion rates of radio galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 480, 358-370.	1.6	22
556	The conditional colour-magnitude distribution I. A comprehensive model of the colour-magnitude-halo mass distribution of present-day galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 481, 5470-5500.	1.6	24
557	Modeling the Atomic-to-molecular Transition in Cosmological Simulations of Galaxy Formation. Astrophysical Journal, Supplement Series, 2018, 238, 33.	3.0	71
558	AGN must be very efficient at powering outflows. Monthly Notices of the Royal Astronomical Society, 2018, 479, 3189-3196.	1.6	11
559	The origin of the first neutron star-neutron star merger. Astronomy and Astrophysics, 2018, 615, A91.	2.1	85

#	ARTICLE	IF	CITATIONS
560	Evolution of Starburst Galaxies in the Illustris Simulation. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	7
561	Gas and galaxies in filaments between clusters of galaxies. Astronomy and Astrophysics, 2018, 609, A49.	2.1	47
562	Fifth force constraints from the separation of galaxy mass components. Physical Review D, 2018, 98, .	1.6	24
563	The Extended Distribution of Baryons around Galaxies. Astrophysical Journal, 2018, 862, 3.	1.6	97
564	emerge “ an empirical model for the formation of galaxies since $z \sim 1/4$. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1822-1852.	1.6	270
565	Quenching star formation with quasar outflows launched by trapped IR radiation. Monthly Notices of the Royal Astronomical Society, 2018, 479, 2079-2111.	1.6	75
566	Painting galaxies into dark matter haloes using machine learning. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3410-3422.	1.6	41
567	DES Y1 Results: validating cosmological parameter estimation using simulated Dark Energy Surveys. Monthly Notices of the Royal Astronomical Society, 2018, 480, 4614-4635.	1.6	31
568	The role of mergers in driving morphological transformation over cosmic time. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2266-2283.	1.6	83
569	The Future of Dwarf Galaxy Research: What Simulations will Predict?. Proceedings of the International Astronomical Union, 2018, 14, 17-26.	0.0	0
570	Climbing to the top of the galactic mass ladder: evidence for frequent prolate-like rotation among the most massive galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 477, 5327-5337.	1.6	37
571	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
572	MAHALO Deep Cluster Survey I. Accelerated and enhanced galaxy formation in the densest regions of a protocluster at $z \sim 2.5$. Monthly Notices of the Royal Astronomical Society, 2018, 473, 1977-1999.	1.6	43
573	Dust-obscured star-forming galaxies in the early universe. Monthly Notices of the Royal Astronomical Society, 2018, 473, 5363-5369.	1.6	30
574	RAiSE II: resolved spectral evolution in radio AGN. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4179-4196.	1.6	39
575	A model for the origin of bursty star formation in galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3717-3731.	1.6	80
576	X-rays across the galaxy population “ II. The distribution of AGN accretion rates as a function of stellar mass and redshift. Monthly Notices of the Royal Astronomical Society, 2018, 474, 1225-1249.	1.6	113
577	On mass concentrations and magnitude gaps of galaxy systems in the CS82 survey. Monthly Notices of the Royal Astronomical Society, 2018, 474, 866-875.	1.6	7

#	ARTICLE	IF	CITATIONS
578	Intracluster light at the Frontier " II. The Frontier Fields Clusters. Monthly Notices of the Royal Astronomical Society, 2018, 474, 917-932.	1.6	80
579	Simulating the effect of high column density absorbers on the one-dimensional Lyman- forest flux power spectrum. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3032-3042.	1.6	23
580	Reducing biases on H0 measurements using strong lensing and galaxy dynamics: results from the eagle simulation. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3403-3422.	1.6	20
581	Identifying the progenitors of present-day early-type galaxies in observational surveys: correcting "progenitor bias"™ using the Horizon-AGN simulation. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3140-3151.	1.6	13
582	Host galaxy properties of mergers of stellar binary black holes and their implications for advanced LIGO gravitational wave sources. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4997-5007.	1.6	41
583	The clustering of z > 7 galaxies: predictions from the BLUETIDES simulation. Monthly Notices of the Royal Astronomical Society, 2018, 474, 5393-5405.	1.6	16
584	Inspiraling halo accretion mapped in Ly- emission around a z = 3 quasar. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3907-3940.	1.6	79
585	The Smith Cloud: surviving a high-speed transit of the Galactic disc. Monthly Notices of the Royal Astronomical Society, 2018, 473, 5514-5531.	1.6	13
586	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
587	mufasa: the strength and evolution of galaxy conformity in various tracers. Monthly Notices of the Royal Astronomical Society, 2018, 475, 955-973.	1.6	10
588	Timing the formation and assembly of early-type galaxies via spatially resolved stellar populations analysis. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3700-3729.	1.6	61
589	Exploring relations between BCG and cluster properties in the SPectroscopic IDentification of eROSITA Sources survey from 0.05 < z < 0.3. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4952-4973.	1.6	14
590	Globular cluster formation and evolution in the context of cosmological galaxy assembly: open questions. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20170616.	1.0	102
591	Chasing passive galaxies in the early Universe: a critical analysis in CANDELS GOODS-South. Monthly Notices of the Royal Astronomical Society, 2018, 473, 2098-2123.	1.6	54
592	From light to baryonic mass: the effect of the stellar mass-to-light ratio on the Baryonic Tully-Fisher relation. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4366-4384.	1.6	53
593	Galactic conformity measured in semi-analytic models. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1177-1189.	1.6	17
594	Major merging history in CANDELS. I. Evolution of the incidence of massive galaxy " galaxy pairs from z = 3 to z = 0. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1549-1573.	1.6	65
595	Validating Semi-analytic Models of High-redshift Galaxy Formation Using Radiation Hydrodynamical Simulations. Astrophysical Journal, 2018, 859, 67.	1.6	32

#	ARTICLE	IF	CITATIONS
596	hbt+: an improved code for finding subhaloes and building merger trees in cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2018, 474, 604-617.	1.6	58
597	The SAMI Galaxy Survey: Data Release One with emission-line physics value-added products. Monthly Notices of the Royal Astronomical Society, 2018, 475, 716-734.	1.6	65
598	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
599	The effect of accretion environment at large radius on hot accretion flows. Monthly Notices of the Royal Astronomical Society, 2018, 476, 954-960.	1.6	6
600	Impact of Lyman alpha pressure on metal-poor dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4617-4635.	1.6	35
601	The descendants of the first quasars in the BlueTides simulation. Monthly Notices of the Royal Astronomical Society, 2018, 474, 597-603.	1.6	25
602	The combined effect of AGN and supernovae feedback in launching massive molecular outflows in high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 475, 5688-5703.	1.6	32
603	Galaxy Zoo: Morphological Classification of Galaxy Images from the Illustris Simulation. Astrophysical Journal, 2018, 853, 194.	1.6	20
604	The Impact of Baryonic Physics on the Kinetic Sunyaev-Zel'dovich Effect. Astrophysical Journal, 2018, 853, 121.	1.6	14
605	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
606	The Galaxy-Halo Connection for $z \lesssim 1$ as Revealed by the Spitzer Matching Survey of the UltraVISTA Ultra-deep Stripes. Astrophysical Journal, 2018, 853, 69.	1.6	17
607	The Impact of Assembly Bias on the Galaxy Content of Dark Matter Halos. Astrophysical Journal, 2018, 853, 84.	1.6	92
608	Galaxy clusters in local Universe simulations without density constraints: a long uphill struggle. Monthly Notices of the Royal Astronomical Society, 2018, 478, 5199-5208.	1.6	11
609	Overview: Cosmological Framework and the History of Computational Cosmology. World Scientific Series in Astrophysics, 2018, , 1-25.	1.0	0
610	Systematic search for tidal features around nearby galaxies. Astronomy and Astrophysics, 2018, 614, A143.	2.1	43
611	We are not the 99 percent: quantifying asphericity in the distribution of Local Group satellites. Monthly Notices of the Royal Astronomical Society, 2018, 478, 5533-5546.	1.6	11
612	Exploring the dust content of galactic winds with Herschel α II. Nearby dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 477, 699-726.	1.6	13
613	The FABLE simulations: a feedback model for galaxies, groups, and clusters. Monthly Notices of the Royal Astronomical Society, 2018, 479, 5385-5412.	1.6	86

#	ARTICLE	IF	CITATIONS
614	The Andromeda galaxy's most important merger about 2 billion years ago as M32's likely progenitor. <i>Nature Astronomy</i> , 2018, 2, 737-743.	4.2	85
615	Reconciling volumetric and individual galaxy type Ia supernova rates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 68-74.	1.6	7
616	Scientific discovery with the James Webb Space Telescope. <i>Contemporary Physics</i> , 2018, 59, 251-290.	0.8	106
617	Cosmological simulation with dust formation and destruction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 4905-4921.	1.6	74
618	A three-phase amplification of the cosmic magnetic field in galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 3343-3365.	1.6	36
619	The Connection Between Galaxies and Their Dark Matter Halos. <i>Annual Review of Astronomy and Astrophysics</i> , 2018, 56, 435-487.	8.1	482
620	Morphology and kinematics of orbital components in CALIFA galaxies across the Hubble sequence. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	21
621	Lyman-continuum leakage as dominant source of diffuse ionized gas in the Antennae galaxy. <i>Astronomy and Astrophysics</i> , 2018, 611, A95.	2.1	37
622	Mapping stellar content to dark matter haloes III. Environmental dependence and conformity of galaxy colours. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 1637-1653.	1.6	32
623	Through a Smoother Lens: An expected absence of LCDM substructure detections from hydrodynamic and dark matter only simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 1322-1332.	1.6	15
624	SEAGLE I. A pipeline for simulating and modelling strong lenses from cosmological hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 4108-4125.	1.6	24
625	Efficient computation of galaxy bias with neutrinos and other relics. <i>Physical Review D</i> , 2018, 98, .	1.6	32
626	Exploring the thermal energy contents of the intergalactic medium with the Sunyaev-Zeldovich effect. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 4017-4024.	1.6	11
627	Bar resilience to flybys in a cosmological framework. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 5214-5219.	1.6	19
628	A cosmological solution to the Impossibly Early Galaxy Problem. <i>Physics of the Dark Universe</i> , 2018, 20, 65-71.	1.8	8
629	Individual stellar haloes of massive galaxies measured to 100% kpc at 0.3 z 0.5 using Hyper Suprime-Cam. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 3348-3368.	1.6	78
630	GOLDRUSH. II. Clustering of galaxies at $z \sim 4-6$ revealed with the half-million dropouts over the 100 deg ² area corresponding to 1 Gpc ³ . <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	104
631	Caustic Skeleton & Cosmic Web. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 027-027.	1.9	27

#	ARTICLE	IF	CITATIONS
632	Simulating galactic dust grain evolution on a moving mesh. Monthly Notices of the Royal Astronomical Society, 2018, 478, 2851-2886.	1.6	87
633	The E-MOSAICS project: simulating the formation and co-evolution of galaxies and their star cluster populations. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4309-4346.	1.6	173
634	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
635	Triggering active galactic nuclei in galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3615-3628.	1.6	27
636	On the Appearance of Thresholds in the Dynamical Model of Star Formation. Astrophysical Journal, 2018, 854, 16.	1.6	33
637	Dark-matter-deficient galaxies in hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3298-3307.	1.6	11
638	Galaxy structural analysis with the curvature of the brightness profile. Monthly Notices of the Royal Astronomical Society, 2019, 489, 1161-1180.	1.6	10
639	Recoiling supermassive black holes in analytical and numerical galaxy potential. Monthly Notices of the Royal Astronomical Society, 2019, 488, 5566-5579.	1.6	1
640	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
641	Galaxies lacking dark matter in the Illustris simulation. Astronomy and Astrophysics, 2019, 626, A47.	2.1	26
642	Black-Hole Remnants from Black-Hole–Neutron-Star Mergers. Physical Review Letters, 2019, 123, 041102.	2.9	36
643	Measuring Star Formation Histories, Distances, and Metallicities with Pixel Color–Magnitude Diagrams. I. Model Definition and Mock Tests. Astrophysical Journal, 2019, 876, 78.	1.6	8
644	Fast generation of covariance matrices for weak lensing. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 044-044.	1.9	18
645	The IllustrisTNG simulations: public data release. Computational Astrophysics and Cosmology, 2019, 6, .	22.7	698
646	Simulating the effect of photoheating feedback during reionization. Monthly Notices of the Royal Astronomical Society, 2019, 488, 419-437.	1.6	23
647	The evolution of the UV-to-mm extragalactic background light: evidence for a top-heavy initial mass function?. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3082-3101.	1.6	20
648	Stochastic modelling of star-formation histories I: the scatter of the star-forming main sequence. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3845-3869.	1.6	55
649	Do AGN triggering mechanisms vary with radio power? – I. Optical morphologies of radio-intermediate HERGs. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5490-5507.	1.6	18

#	ARTICLE	IF	CITATIONS
650	Star formation quenching imprinted on the internal structure of naked red nuggets. Monthly Notices of the Royal Astronomical Society, 2019, 487, 4939-4950.	1.6	14
651	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
652	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
653	NIHAO â€“ XXII. Introducing black hole formation, accretion, and feedback into the NIHAO simulation suite. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5476-5489.	1.6	15
654	AGN-driven quenching of satellite galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5889-5901.	1.6	16
655	A comparison of the $R_{\mathrm{h}}=ct$ and Λ CDM cosmologies based on the observed halo mass function. European Physical Journal C, 2019, 79, 1.	1.4	8
656	Assembly bias evidence in close galaxy pairs. Monthly Notices of the Royal Astronomical Society, 2019, 487, 435-443.	1.6	4
657	Realistic simulations of galaxy formation in $f(R)$ modified gravity. Nature Astronomy, 2019, 3, 945-954.	4.2	32
658	The Vertical Motion History of Disk Stars throughout the Galaxy. Astrophysical Journal, 2019, 878, 21.	1.6	50
659	The Fundamental Metallicity Relation Emerges from the Local Anti-correlation between Star Formation Rate and Gas-phase Metallicity that Exists in Disk Galaxies. Astrophysical Journal Letters, 2019, 878, L6.	3.0	17
660	Numerical convergence of simulations of galaxy formation: the abundance and internal structure of cold dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3663-3684.	1.6	53
661	Modelling baryonic physics in future weak lensing surveys. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1652-1678.	1.6	71
662	No signs of star formation being regulated in the most luminous quasars at $z \approx 2$ with ALMA. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1180-1198.	1.6	37
663	Global analysis of luminosity- and colour-dependent galaxy clustering in the Sloan Digital Sky Survey. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1220-1234.	1.6	5
664	Separate Universe simulations with IllustrisTNG: baryonic effects on power spectrum responses and higher-order statistics. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2079-2092.	1.6	39
665	Barred galaxies in cosmological zoom-in simulations: the importance of feedback. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1864-1877.	1.6	19
666	Towards a radially resolved semi-analytic model for the evolution of disc galaxies tuned with machine learning. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3581-3606.	1.6	31
667	Black hole â€“ Galaxy correlations in simba. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5764-5780.	1.6	62

#	ARTICLE	IF	CITATIONS
668	The dark matter bispectrum from effective viscosity and one-particle irreducible vertices. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 047-047.	1.9	6
669	Evolution of star formation rate–density relation over cosmic time in a simulated universe: the observed reversal reproduced. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 339-348.	1.6	20
670	Dark matter bars in spinning haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 5788-5801.	1.6	13
671	Photometric and kinematic misalignments and their evolution among fast and slow rotators in the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 534-547.	1.6	1
672	Dark Matter Haloes and Subhaloes. <i>Galaxies</i> , 2019, 7, 81.	1.1	74
673	Metallicity of stars formed throughout the cosmic history based on the observational properties of star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 5300-5326.	1.6	50
674	The stellar halo of the Milky Way traced by blue horizontal-branch stars in the Subaru Hyper Suprime-Cam Survey. <i>Publication of the Astronomical Society of Japan</i> , 2019, 71, .	1.0	17
675	Galactic habitability re-examined: indications of bimodality. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 408-416.	1.6	12
676	The Duration of Star Formation in Galactic Giant Molecular Clouds. I. The Great Nebula in Carina. <i>Astrophysical Journal</i> , 2019, 881, 37.	1.6	11
677	Not So Heavy Metals: Black Hole Feedback Enriches the Circumgalactic Medium. <i>Astrophysical Journal</i> , 2019, 882, 8.	1.6	23
678	Predictions for the abundance of high-redshift galaxies in a fuzzy dark matter universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 5551-5565.	1.6	16
679	Emission from the circumgalactic medium: from cosmological zoom-in simulations to multiwavelength observables. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 2417-2438.	1.6	24
680	The redshift evolution of X-ray and Sunyaev–Zeldovich scaling relations in the fable simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 2439-2470.	1.6	26
681	First results from the TNG50 simulation: the evolution of stellar and gaseous discs across cosmic time. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 3196-3233.	1.6	453
682	The Milky Way’s halo and subhaloes in self-interacting dark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 2117-2123.	1.6	42
683	Simulating the interstellar medium and stellar feedback on a moving mesh: implementation and isolated galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 4233-4260.	1.6	72
684	Origin of the galaxy–halo mass relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 96-113.	1.6	31
685	Revealing the galaxy–halo connection in IllustrisTNG. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5693-5711.	1.6	59

#	ARTICLE	IF	CITATIONS
686	SDSS-IV MaNGA: the inner density slopes of nearby galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 490, 2124-2138.	1.6	19
687	Imprints of temperature fluctuations on the $z \sim 5$ Lyman- α forest: a view from radiation-hydrodynamic simulations of reionization. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3177-3195.	1.6	33
688	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
689	The impact of black hole seeding in cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4640-4648.	1.6	9
690	Generative deep fields: arbitrarily sized, random synthetic astronomical images through deep learning. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4985-4990.	1.6	15
691	Early-type galaxy density profiles from IllustrisTNG II. Evolutionary trend of the total density profile. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5722-5738.	1.6	19
692	Red and 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
693	Learning the relationship between galaxies spectra and their star formation histories using convolutional neural networks and cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5503-5520.	1.6	28
694	Black Hole Formation and Growth. Saas-Fee Advanced Course, 2019, , .	1.1	4
695	Maximum parsimony analysis of the effect of the environment on the evolution of galaxies. Astronomy and Astrophysics, 2019, 630, A63.	2.1	4
696	Mergers, starbursts, and quenching in the simba simulation. Monthly Notices of the Royal Astronomical Society, 2019, 490, 2139-2154.	1.6	72
697	Identifying Kinematic Structures in Simulated Galaxies Using Unsupervised Machine Learning. Astrophysical Journal, 2019, 884, 129.	1.6	21
698	The Hubble Sequence at $z \sim 0$ in the IllustrisTNG simulation with deep learning. Monthly Notices of the Royal Astronomical Society, 2019, 489, 1859-1879.	1.6	51
699	The host galaxies of double compact objects across cosmic time. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4622-4631.	1.6	25
700	The nature of strong H α absorbers probed by cosmological simulations: satellite accretion and outflows. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3634-3645.	1.6	23
701	High-redshift quasars and their host galaxies I. Kinematical and dynamical properties and their tracers. Monthly Notices of the Royal Astronomical Society, 2019, 488, 4004-4022.	1.6	54
702	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
703	Siblings, friends and acquaintances: testing galaxy association methods. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4875-4889.	1.6	0

#	ARTICLE	IF	CITATIONS
704	Searching for the shadows of giants: characterizing protoclusters with line of sight Lyman- α absorption. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 5381-5397.	1.6	10
705	The whole picture of the large-scale structure of the CL1604 supercluster at $z \approx 0.9$. <i>Publication of the Astronomical Society of Japan</i> , 2019, 71, .	1.0	8
706	The Borg Cube Simulation: Cosmological Hydrodynamics with CRK-SPH. <i>Astrophysical Journal</i> , 2019, 877, 85.	1.6	14
707	New Analytic Solutions for Galaxy Evolution: Gas, Stars, Metals, and Dust in Local ETGs and Their High- z Star-forming Progenitors. <i>Astrophysical Journal</i> , 2019, 880, 129.	1.6	29
708	Merger of Compact Stars in the Two-families Scenario. <i>Astrophysical Journal</i> , 2019, 881, 122.	1.6	42
709	AGN-Driven Outflows in Dwarf Galaxies. <i>Astrophysical Journal</i> , 2019, 884, 54.	1.6	60
710	Circumventing the Effects of Projection and Dust Using Inclination-independent Infrared Galaxy Structure Measurements: Method, Error Analysis, and a New Public Catalog of Near-infrared Galaxy Structures. <i>Astrophysical Journal, Supplement Series</i> , 2019, 244, 3.	3.0	4
711	Accurate Modeling of the Projected Galaxy Clustering in Photometric Surveys. I. Tests with Mock Catalogs. <i>Astrophysical Journal</i> , 2019, 879, 71.	1.6	6
712	Extensions to the halo occupation distribution model for more accurate clustering predictions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 3532-3544.	1.6	20
713	Basilisk: Bayesian hierarchical inference of the galaxy-halo connection using satellite kinematics I. Method and validation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 4984-5013.	1.6	6
714	A study of stellar orbit fractions: simulated IllustrisTNG galaxies compared to CALIFA observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 842-854.	1.6	19
715	Re. I. Understanding galaxy sizes, associated luminosity densities, and the artificial division of the early-type galaxy population. <i>Publications of the Astronomical Society of Australia</i> , 2019, 36, .	1.3	28
716	Bayesian cosmic density field inference from redshift space dark matter maps. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 2573-2604.	1.6	14
717	Tidal disruption events from massive black hole binaries: predictions for ongoing and future surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 4042-4060.	1.6	16
718	Enhancing AGN efficiency and cool-core formation with anisotropic thermal conduction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 3003-3013.	1.6	22
719	Shape of dark matter haloes in the Illustris simulation: effects of baryons. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 476-493.	1.6	71
720	Compact Galaxies at intermediate redshifts quench faster than normal-sized Galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 3022-3035.	1.6	8
721	H ₂ chemistry in galaxy simulations: an improved supernova feedback model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 1687-1701.	1.6	11

#	ARTICLE	IF	CITATIONS
722	A Quantification of the Butterfly Effect in Cosmological Simulations and Implications for Galaxy Scaling Relations. <i>Astrophysical Journal</i> , 2019, 871, 21.	1.6	65
723	Does radiative feedback make faint $z > 6$ galaxies look small?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 4379-4392.	1.6	4
724	The Interplay of Kinetic and Radiative Feedback in Galaxy Clusters. <i>Astrophysical Journal</i> , 2019, 877, 47.	1.6	19
725	An Absence of Radio-loud Active Galactic Nuclei in Geometrically Flat Quiescent Galaxies: Implications for Maintenance-mode Feedback Models. <i>Astrophysical Journal Letters</i> , 2019, 872, L12.	3.0	7
726	Tidally induced bars in Illustris galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 2721-2735.	1.6	58
727	Automated distant galaxy merger classifications from Space Telescope images using the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 3702-3720.	1.6	38
728	No cores in dark matter-dominated dwarf galaxies with bursty star formation histories. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 4790-4804.	1.6	62
729	Common envelope evolution on a moving mesh. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 5809-5818.	1.6	33
730	Lighting Up Dark Matter Haloes. <i>Galaxies</i> , 2019, 7, 56.	1.1	5
731	Modeling Nearly Spherical Pure-bulge Galaxies with a Stellar Mass-to-light Ratio Gradient under the Λ CDM and MOND Paradigms. II. The Orbital Anisotropy of Slow Rotators within the Effective Radius. <i>Astrophysical Journal</i> , 2019, 874, 41.	1.6	9
732	What shapes a galaxy? “unraveling the role of mass, environment, and star formation in forming galactic structure. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 666-696.	1.6	48
733	A Halo Occupation Interpretation of Quasars at $z \approx 1.5$ Using Very Small-Scale Clustering Information. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 274-282.	1.6	8
734	The TNG50 Simulation of the IllustrisTNG Project: Bridging the Gap Between Large Cosmological Volumes and Resolved Galaxies. , 2019, , 5-20.		0
735	Dipole distortions in the intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4181-4189.	1.6	1
736	An Older, More Quiescent Universe from Panchromatic SED Fitting of the 3D-HST Survey. <i>Astrophysical Journal</i> , 2019, 877, 140.	1.6	156
737	On the Origin of Star “Gas Counterrotation in Low-mass Galaxies. <i>Astrophysical Journal</i> , 2019, 878, 143.	1.6	37
738	Atomic and molecular gas in IllustrisTNG galaxies at low redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1529-1550.	1.6	67
739	Host galaxies of merging compact objects: mass, star formation rate, metallicity, and colours. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1675-1688.	1.6	67

#	ARTICLE	IF	CITATIONS
740	Galaxy formation and evolution science in the era of the Large Synoptic Survey Telescope. <i>Nature Reviews Physics</i> , 2019, 1, 450-462.	11.9	17
741	Figuring Out Gas & Galaxies in Enzo (FOGGIE). I. Resolving Simulated Circumgalactic Absorption at $z \sim 2.5$. <i>Astrophysical Journal</i> , 2019, 873, 129.	1.6	166
742	A Consistent Set of Empirical Scaling Relations for Spiral Galaxies: The $(v_{\text{max}}, T_{\text{J2000}})$ Lock 10 T f 50 662 To	1.6	28
743	The properties of merging black holes and neutron stars across cosmic time. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 2-13.	1.6	96
744	The signal of decaying dark matter with hydrodynamical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4071-4089.	1.6	9
745	Dark matter stripping in galaxy clusters: a look at the stellar-to-halo mass relation in the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 653-666.	1.6	26
746	ETHOS – an Effective Theory of Structure Formation: detecting dark matter interactions through the Lyman- α forest. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 522-536.	1.6	23
747	The star formation histories of dwarf galaxies in Local Group cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 5423-5437.	1.6	31
748	Galaxy Zoo: unwinding the winding problem – observations of spiral bulge prominence and arm pitch angles suggest local spiral galaxies are winding. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1808-1820.	1.6	30
749	Dark-ages Reionization and Galaxy Formation Simulation – XV. Stellar evolution and feedback in dwarf galaxies at high redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1946-1963.	1.6	3
750	Prospects for recovering galaxy intrinsic shapes from projected quantities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 2354-2371.	1.6	13
751	A Deep Learning Approach to Galaxy Cluster X-Ray Masses. <i>Astrophysical Journal</i> , 2019, 876, 82.	1.6	55
752	Size distribution of galaxies in SDSS DR7: weak dependence on halo environment. <i>Research in Astronomy and Astrophysics</i> , 2019, 19, 006.	0.7	16
753	Observational Constraints on the Merger History of Galaxies since $z \sim 6$: Probabilistic Galaxy Pair Counts in the CANDELS Fields. <i>Astrophysical Journal</i> , 2019, 876, 110.	1.6	114
754	Passive galaxies in the early Universe: ALMA confirmation of $\sim 3 \times 10^5$ candidates in the CANDELS GOODS-South field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 560-569.	1.6	27
755	simba: Cosmological simulations with black hole growth and feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 2827-2849.	1.6	576
756	Constraints on Cosmology and Baryonic Feedback with the Deep Lens Survey Using Galaxy and Galaxy Mass Power Spectra. <i>Astrophysical Journal</i> , 2019, 870, 111.	1.6	17
757	Radio-loud AGN in the first LoTSS data release. <i>Astronomy and Astrophysics</i> , 2019, 622, A12.	2.1	101

#	ARTICLE	IF	CITATIONS
758	A comparison between semi-analytical gas cooling models and cosmological hydrodynamical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 1691-1717.	1.6	5
759	ETHOS – an effective theory of structure formation: formation of the first haloes and their stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 5474-5489.	1.6	14
760	NIHAO XX: the impact of the star formation threshold on the cuspy core transformation of cold dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 655-671.	1.6	46
761	A high baryon fraction in massive haloes at $z \approx 3$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 1489-1508.	1.6	11
762	Resummed Kinetic Field Theory: using Mesoscopic Particle Hydrodynamics to describe baryonic matter in a cosmological framework. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 017-017.	1.9	7
763	Fast and energetic AGN-driven outflows in simulated dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 2047-2066.	1.6	41
764	The morphology and kinematics of the gaseous circumgalactic medium of Milky Way mass galaxies – II. Comparison of IllustrisTNG and Illustris simulation results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 4686-4700.	1.6	20
765	Evaluating the ability of triaxial Schwarzschild modelling to estimate properties of galaxies from the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 4753-4772.	1.6	28
766	WISDOM project – IV. A molecular gas dynamical measurement of the supermassive black hole mass in NGC 524. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4359-4374.	1.6	28
767	The Effect of Dark Matter–Dark Radiation Interactions on Halo Abundance: A Press–Schechter Approach. <i>Astrophysical Journal</i> , 2019, 874, 101.	1.6	16
768	Revealing a Highly Dynamic Cluster Core in Abell 1664 with Chandra. <i>Astrophysical Journal</i> , 2019, 875, 65.	1.6	11
769	Angular momentum evolution of bulge stars in disc galaxies in NIHAO. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 5477-5491.	1.6	9
770	Chaos and variance in galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 2244-2261.	1.6	63
771	An observational test for star formation prescriptions in cosmological hydrodynamical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 1481-1487.	1.6	23
772	Simulations of jet heating in galaxy clusters: successes and challenges. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 2465-2486.	1.6	41
773	Extreme spheres: counts-in-cells for 21cm intensity mapping. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 269-281.	1.6	10
774	Total density profile of massive early-type galaxies in Horizon-AGN simulation: impact of AGN feedback and comparison with observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 4615-4627.	1.6	22
775	The cosmic spectral energy distribution in the EAGLE simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 4069-4082.	1.6	17

#	ARTICLE	IF	CITATIONS
776	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
777	Baryons in the Cosmic Web of IllustrisTNG "I: gas in knots, filaments, sheets, and voids. Monthly Notices of the Royal Astronomical Society, 2019, 486, 3766-3787.	1.6	120
778	Disruption of satellite galaxies in simulated groups and clusters: the roles of accretion time, baryons, and pre-processing. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2287-2311.	1.6	47
779	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
780	NIHAO XIX: how supernova feedback shapes the galaxy baryon cycle. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2511-2531.	1.6	44
781	Cosmological simulations of dwarfs: the need for ISM physics beyond SN feedback alone. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3317-3333.	1.6	27
782	How to Measure Galaxy Star Formation Histories. II. Nonparametric Models. Astrophysical Journal, 2019, 876, 3.	1.6	248
783	Bulge plus disc and Sérsic decomposition catalogues for 16,908 galaxies in the SDSS Stripe 82 co-adds: a detailed study of the <i>ugriz</i> structural measurements. Monthly Notices of the Royal Astronomical Society, 2019, 486, 390-413.	1.6	37
784	The robustness of cosmological hydrodynamic simulation predictions to changes in numerics and cooling physics. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2021-2046.	1.6	12
785	The formation and evolution of low-surface-brightness galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 485, 796-818.	1.6	80
786	scpr: radiation hydrodynamics on a moving mesh. Monthly Notices of the Royal Astronomical Society, 2019, 485, 117-149.	1.6	69
787	A one-dimensional hydrodynamic model for accretion, cooling, and heating of gas in dark matter haloes from $z=6$ to $z=0$. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3430-3445.	1.6	7
788	The formation of ultra-diffuse galaxies in cored dark matter haloes through tidal stripping and heating. Monthly Notices of the Royal Astronomical Society, 2019, 485, 382-395.	1.6	101
789	Orbit properties of massive prolate galaxies in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2019, 483, 3048-3059.	1.6	3
790	Supernovae feedback propagation: the role of turbulence. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3887-3894.	1.6	19
791	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
792	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
793	Massive BH binaries as periodically variable AGN. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1579-1594.	1.6	44

#	ARTICLE	IF	CITATIONS
794	Early- and late-stage mergers among main sequence and starburst galaxies at $0.2 \leq z \leq 2$. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5631-5651.	1.6	54
795	Jellyfish galaxies with the IllustrisTNG simulations – I. Gas-stripping phenomena in the full cosmological context. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1042-1066.	1.6	102
796	A tiny host galaxy for the first giant black hole: $z \approx 7.5$ quasar in BlueTides. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1388-1399.	1.6	14
797	Galaxy formation in the Planck Millennium: the atomic hydrogen content of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4922-4937.	1.6	72
798	Dust scaling relations in a cosmological simulation. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1727-1744.	1.6	52
799	The relationship between the morphology and kinematics of galaxies and its dependence on dark matter halo structure in EAGLE. Monthly Notices of the Royal Astronomical Society, 2019, 485, 972-987.	1.6	59
800	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
801	The Faint End of the Centaurus A Satellite Luminosity Function. Astrophysical Journal, 2019, 872, 80.	1.6	78
802	IQ-Collaboratory 1.1: The Star-forming Sequence of Simulated Central Galaxies. Astrophysical Journal, 2019, 872, 160.	1.6	23
803	Evolution of dwarf galaxies hosting GW150914-like events. Monthly Notices of the Royal Astronomical Society, 2019, 484, 3219-3232.	1.6	15
804	Quantifying baryon effects on the matter power spectrum and the weak lensing shear correlation. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 020-020.	1.9	108
805	The star formation rate and stellar content contributions of morphological components in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2019, 483, 744-766.	1.6	47
806	The evolution of the baryon fraction in haloes as a cause of scatter in the galaxy stellar mass in the EAGLE simulation. Monthly Notices of the Royal Astronomical Society, 2019, 482, 3261-3273.	1.6	13
807	Numerical simulations of AGN wind feedback on black hole accretion: probing down to scales within the sphere of influence. Monthly Notices of the Royal Astronomical Society, 2019, 482, 4642-4653.	1.6	7
808	Modelling turbulent effects of stellar feedback in cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2019, 482, 4654-4672.	1.6	0
809	A numerical twist on the spin parameter, $\hat{\lambda}$. Monthly Notices of the Royal Astronomical Society, 2019, 483, 249-262.	1.6	16
810	Scalar field dark matter: helping or hurting small-scale problems in cosmology?. Monthly Notices of the Royal Astronomical Society, 2019, 483, 289-298.	1.6	58
811	Semi-analytic forecasts for JWST – I. UV luminosity functions at $z \leq 10$. Monthly Notices of the Royal Astronomical Society, 2019, 483, 2983-3006.	1.6	116

#	ARTICLE	IF	CITATIONS
812	Supernova-driven winds in simulated dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 483, 3363-3381.	1.6	64
813	Atomic hydrogen in IllustrisTNG galaxies: the impact of environment paralleled with local 21-cm surveys. Monthly Notices of the Royal Astronomical Society, 2019, 483, 5334-5354.	1.6	75
814	The SAMI Galaxy Survey: comparing 3D spectroscopic observations with galaxies from cosmological hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2019, 484, 869-891.	1.6	67
815	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
816	The shapes of the rotation curves of star-forming galaxies over the last $\sim 10^8$ Gyr. Monthly Notices of the Royal Astronomical Society, 2019, 485, 934-960.	1.6	37
817	Cosmological Interpretation of the Color-Magnitude Diagrams of Galaxy Clusters. Astrophysical Journal, 2019, 870, 70.	1.6	8
818	Distinguishing Mergers and Disks in High-redshift Observations of Galaxy Kinematics. Astrophysical Journal, 2019, 874, 59.	1.6	47
819	De re metallica: the cosmic chemical evolution of galaxies. Astronomy and Astrophysics Review, 2019, 27, 1.	9.1	372
820	Numerical Simulations of Jets from Active Galactic Nuclei. Galaxies, 2019, 7, 24.	1.1	28
821	Hyper Suprime-Cam view of the CMASS galaxy sample. Astronomy and Astrophysics, 2019, 622, A30.	2.1	20
822	Dynamic localized turbulent diffusion and its impact on the galactic ecosystem. Monthly Notices of the Royal Astronomical Society, 2019, 483, 3810-3831.	1.6	23
823	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
824	VALES V: a kinematic analysis of the molecular gas content in H-ATLAS galaxies at $z \sim 0.35$ using ALMA. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1499-1524.	1.6	6
825	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
826	What is the real accretion rate on to a black hole for low-angular-momentum accretion?. Monthly Notices of the Royal Astronomical Society, 2019, 484, 1724-1734.	1.6	7
827	The intricate link between galaxy dynamics and intrinsic shape (or why so-called prolate rotation is a) $T_j \approx 0.784314 \frac{rg_{BT}}{O_{over}}$	0.0	0.0
828	Numerical modelling of the lobes of radio galaxies in cluster environments - IV. Remnant radio galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5807-5819.	1.6	18
829	Hunting for Dwarf Galaxies Hosting the Formation and Coalescence of Compact Binaries. Physics, 2019, 1, 412-429.	0.5	2

#	ARTICLE	IF	CITATIONS
830	Panchromatic SED fitting codes and modelling techniques. Proceedings of the International Astronomical Union, 2019, 15, 26-34.	0.0	3
831	Predicting fully self-consistent satellite richness, galaxy growth and starformation rates from the STastical sEmi-Empirical model. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	10
832	The Gemini/HST Galaxy Cluster Project: Environment Effects on the Stellar Populations in the Lynx Clusters at $z \approx 1.27$. Astrophysical Journal, 2019, 881, 42.	1.6	3
833	Stellar Mass Growth of Brightest Cluster Galaxy Progenitors in COSMOS Since $z \approx 1/4 \approx 3$. Astrophysical Journal, 2019, 881, 150.	1.6	22
834	Extreme ionised outflows are more common when the radio emission is compact in AGN host galaxies. Astronomy and Astrophysics, 2019, 631, A132.	2.1	25
835	Magnification bias in the shear-ratio test: a viable mitigation strategy. Astronomy and Astrophysics, 2019, 623, A94.	2.1	6
836	nFTy galaxy cluster simulations VI: the dynamical imprint of substructure on gaseous cluster outskirts.. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	8
837	Probing Massive Black Hole Binary Populations with LISA. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	44
838	New criteria for the selection of galaxy close pairs from cosmological simulations: evolution of the major and minor merger fraction in MUSE deep fields. Astronomy and Astrophysics, 2019, 631, A87.	2.1	32
839	Assembly of spheroid-dominated galaxies in the EAGLE simulation. Astronomy and Astrophysics, 2019, 629, A37.	2.1	14
840	Quantifying inhomogeneities in the HI distributions of simulated galaxies. Journal of Physics: Conference Series, 2019, 1258, 012023.	0.3	0
841	The quest for dual and binary supermassive black holes: A multi-messenger view. New Astronomy Reviews, 2019, 86, 101525.	5.2	119
842	Estimates of Fast Radio Burst Dispersion Measures from Cosmological Simulations. Astrophysical Journal, 2019, 886, 135.	1.6	26
843	Signatures of Stellar Accretion in MaNGA Early-type Galaxies. Astrophysical Journal, 2019, 880, 111.	1.6	28
844	Slushing of Galaxy Cluster Core Plasma in the Presence of Self-interacting Dark Matter. Astrophysical Journal, 2019, 882, 119.	1.6	8
845	Diverse dark matter density at sub-kiloparsec scales in MilkyWay satellites: Implications for the nature of dark matter. Physical Review D, 2019, 100, .	1.6	47
846	Bounding alternative theories of gravity with multiband GW observations. Physical Review D, 2019, 100, .	1.6	40
847	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

#	ARTICLE	IF	CITATIONS
848	Identifying galaxy mergers in observations and simulations with deep learning. <i>Astronomy and Astrophysics</i> , 2019, 626, A49.	2.1	43
849	The KMOS ^{3D} Survey: Data Release and Final Survey Paper*. <i>Astrophysical Journal</i> , 2019, 886, 124.	1.6	79
850	The buildup of strongly barred galaxies in the TNG100 simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	36
851	High-redshift test of gravity using enhanced growth of small structures probed by the neutral hydrogen distribution. <i>Physical Review D</i> , 2019, 100, .	1.6	5
852	A statistical semi-empirical model: satellite galaxies in groups and clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 2506-2523.	1.6	23
853	The core of the massive cluster merger MACSJ0417.5+1154 as seen by VLT/MUSE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 3082-3097.	1.6	20
854	The optical morphologies of galaxies in the IllustrisTNG simulation: a comparison to Pan-STARRS observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 4140-4159.	1.6	236
855	Fast radio bursts and cosmological tests. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 1637-1644.	1.6	58
856	Non-circular motions and the diversity of dwarf galaxy rotation curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 821-847.	1.6	89
857	Introducing a new, robust galaxy-finder algorithm for simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 2039-2064.	1.6	39
858	Controlling and leveraging small-scale information in tomographic galaxy lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 5498-5509.	1.6	21
859	Sub one per cent mass fractions of young stars in red massive galaxies. <i>Nature Astronomy</i> , 2020, 4, 252-259.	4.2	36
860	How feedback shapes galaxies: an analytic model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 5083-5100.	1.6	7
861	The evolution of galaxy intrinsic alignments in the MassiveBlackII universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 4116-4130.	1.6	17
862	Exploring the high-mass end of the stellar mass function of star-forming galaxies at cosmic noon. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 3318-3335.	1.6	10
863	Exploring the effects of galaxy formation on matter clustering through a library of simulation power spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 2424-2446.	1.6	89
864	Further evidence for a population of dark-matter-deficient dwarf galaxies. <i>Nature Astronomy</i> , 2020, 4, 246-251.	4.2	50
865	Efficiently estimating mean, uncertainty, and unconstrained large-scale fraction of local Universe simulations with paired fixed fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 4463-4474.	1.6	2

#	ARTICLE	IF	CITATIONS
866	The early growth of supermassive black holes in cosmological hydrodynamic simulations with constrained Gaussian realizations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1-12.	1.6	13
867	The manifestation of secondary bias on the galaxy population from IllustrisTNG300. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1182-1196.	1.6	23
868	How dark are filaments in the cosmic web?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 3158-3170.	1.6	4
869	The host galaxies of $\langle i \rangle z \langle /i \rangle = 7$ quasars: predictions from the <code>BlueTides</code> simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 3819-3836.	1.6	24
870	Radio galaxies and feedback from AGN jets. <i>New Astronomy Reviews</i> , 2020, 88, 101539.	5.2	135
871	ALMA [N ii] 205 $\hat{1}$ / ₄ m Imaging Spectroscopy of the Lensed Submillimeter Galaxy ID 141 at Redshift 4.24. <i>Astrophysical Journal</i> , 2020, 898, 33.	1.6	11
872	SPECULATOR: Emulating Stellar Population Synthesis for Fast and Accurate Galaxy Spectra and Photometry. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 5.	3.0	33
873	Kinematic Decomposition of IllustrisTNG Disk Galaxies: Morphology and Relation with Morphological Structures. <i>Astrophysical Journal</i> , 2020, 895, 139.	1.6	22
874	A robust determination of halo environment in the cosmic field. <i>New Astronomy</i> , 2020, 80, 101405.	0.8	6
875	Probing the CGM of low-redshift dwarf galaxies using FIRE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 1038-1053.	1.6	8
876	Jet feedback and the photon underproduction crisis in simba. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 2617-2635.	1.6	27
877	On the impact of baryons on the halo mass function, bias, and cluster cosmology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 2316-2335.	1.6	42
878	Can assembly bias explain the lensing amplitude of the BOSS CMASS sample in a Planck cosmology?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 5551-5564.	1.6	20
879	Modelling the tightest relation between galaxy properties and dark matter halo properties from hydrodynamical simulations of galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 4453-4462.	1.6	3
880	The stellar mass assembly of low-redshift, massive, central galaxies in SDSS and the TNG300 simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 4262-4275.	1.6	6
881	Tilted outer and inner structures in edge-on galaxies?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 2039-2056.	1.6	4
882	SHARP $\hat{\text{a}}$ VI. Evidence for CO ($\hat{\text{a}}$ 0) molecular gas extended on kpc-scales in AGN star-forming galaxies at high redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 2387-2407.	1.6	19
883	From stellar haloes to intracluster light: the physics of the Intra-Halo Stellar Component in cosmological hydrodynamical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 4314-4333.	1.6	26

#	ARTICLE	IF	CITATIONS
884	Analysis of the galaxy size versus stellar mass relation. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	8
885	A precise benchmark for cluster scaling relations: Fundamental Plane, Mass Plane, and IMF in the Coma cluster from dynamical models. Monthly Notices of the Royal Astronomical Society, 2020, 494, 5619-5635.	1.6	9
886	Massive low-surface-brightness galaxies in the eagle simulation. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3996-4016.	1.6	11
887	Asymmetric drift of Andromeda analogues in the IllustrisTNG simulation. Monthly Notices of the Royal Astronomical Society, 2020, 497, 2870-2882.	1.6	6
888	The baryon content of groups and clusters of galaxies in the FABLE simulations. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2114-2137.	1.6	30
889	Galactic inflow and wind recycling rates in the eagle simulations. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4495-4516.	1.6	36
890	Black hole mergers from dwarf to massive galaxies with the NewHorizon and Horizon-AGN simulations. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2219-2238.	1.6	67
891	Local group star formation in warm and self-interacting dark matter cosmologies. Monthly Notices of the Royal Astronomical Society, 2020, 498, 702-717.	1.6	9
892	warpfield population synthesis: the physics of (extra-)Galactic star formation and feedback-driven cloud structure and emission from sub-to-kpc scales. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3193-3214.	1.6	21
893	Turbulence-induced deviation between baryonic field and dark matter field in the spatial distribution of the Universe. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4411-4423.	1.6	5
894	A deep learning view of the census of galaxy clusters in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5620-5628.	1.6	19
895	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
896	The formation of ultradiffuse galaxies in clusters. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1848-1858.	1.6	68
897	Modelling the large-scale mass density field of the universe as a function of cosmology and baryonic physics. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4800-4819.	1.6	54
898	Multitracer extension of the halo model: probing quenching and conformity in eBOSS. Monthly Notices of the Royal Astronomical Society, 2020, 497, 581-595.	1.6	35
899	QSO obscuration at high redshift ($z \approx 7$): predictions from the bluetides simulation. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2135-2151.	1.6	41
900	Calibration of a star formation and feedback model for cosmological simulations with enzo. Monthly Notices of the Royal Astronomical Society, 2020, 497, 5203-5219.	1.6	11
901	X-ray emission from hot gas in galaxy groups and clusters in simba. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3061-3076.	1.6	27

#	ARTICLE	IF	CITATIONS
902	The fate of disc galaxies in IllustrisTNG clusters. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2673-2703.	1.6	53
903	Limitations to the Λ CDM HOD model and beyond. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5506-5519.	1.6	60
904	Time-dependent radiation hydrodynamics on a moving mesh. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5397-5407.	1.6	9
905	Systematic errors in strong gravitational lensing reconstructions, a numerical simulation perspective. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1718-1729.	1.6	15
906	Boltzmann hierarchies for self-interacting warm dark matter scenarios. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 041-041.	1.9	8
907	Probing the azimuthal environment of galaxies around clusters. Astronomy and Astrophysics, 2020, 635, A195.	2.1	21
908	A redshift-dependent IR τ ² dust attenuation relation for TNG50 galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4773-4794.	1.6	21
909	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
910	A study of neural networks point source extraction on simulated Fermi-LAT telescope images. Astronomische Nachrichten, 2020, 341, 819-826.	0.6	2
911	Accretion of galaxy groups into galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3852-3862.	1.6	21
912	Galactic outflow rates in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2020, 494, 3971-3997.	1.6	73
913	First Results on Dark Matter Substructure from Astrometric Weak Lensing. Physical Review Letters, 2020, 125, 111101.	2.9	20
914	An excess of small-scale gravitational lenses observed in galaxy clusters. Science, 2020, 369, 1347-1351.	6.0	98
915	The Tessellation-Level-Tree: characterizing the nested hierarchy of density peaks and their spatial distribution in cosmological N-body simulations. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5693-5712.	1.6	6
916	RAiSE X: searching for radio galaxies in X-ray surveys. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5181-5194.	1.6	9
917	The link between star formation and gas in nearby galaxies. Communications Physics, 2020, 3, .	2.0	18
918	The dependence of the galaxy stellar-to-halo mass relation on galaxy morphology. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3578-3593.	1.6	27
919	The specific star formation rate function at different mass scales and quenching: a comparison between cosmological models and SDSS. Monthly Notices of the Royal Astronomical Society, 2020, 500, 2036-2048.	1.6	19

#	ARTICLE	IF	CITATIONS
920	Galactic chemical evolution and chemical tagging with open clusters. <i>Journal of Astrophysics and Astronomy</i> , 2020, 41, 1.	0.4	2
921	Moving and reactive boundary conditions in moving-mesh hydrodynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 4616-4626.	1.6	6
922	Cosmic variance of $\langle i \rangle z \langle i \rangle$ > 7 galaxies: prediction from $\langle \text{sc} \rangle \text{bluetides} \langle / \text{sc} \rangle$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 754-766.	1.6	21
923	An EAGLE's view of ex situ galaxy growth. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 81-93.	1.6	45
924	Galaxy cold gas contents in modern cosmological hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 146-166.	1.6	71
925	The effects of cosmic rays on the formation of Milky Way-mass galaxies in a cosmological context. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 1712-1737.	1.6	64
926	The effect of differential accretion on the gravitational wave background and the present-day MBH binary population. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 537-547.	1.6	20
927	The stellar populations of high-redshift dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 4134-4149.	1.6	12
928	Galaxy properties in the cosmic web of EAGLE simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 1839-1851.	1.6	11
929	Ejective and preventative: the IllustrisTNG black hole feedback and its effects on the thermodynamics of the gas within and around galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 768-792.	1.6	100
930	Tidally induced warps of spiral galaxies in IllustrisTNG. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 3535-3548.	1.6	18
931	Intermittent AGN episodes drive outflows with a large spread of observable loading factors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 3633-3647.	1.6	10
932	Joint galaxy galaxy lensing and clustering constraints on galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 5804-5833.	1.6	11
933	How do central and satellite galaxies quench? Insights from spatially resolved spectroscopy in the MaNGA survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 230-268.	1.6	77
934	Stellar velocity dispersion and initial mass function gradients in dissipationless galaxy mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 559-572.	1.6	8
935	Interacting galaxies in the IllustrisTNG simulations - I: Triggered star formation in a cosmological context. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 4969-4985.	1.6	49
936	Precision cosmology in the era of large surveys. <i>Journal of Instrumentation</i> , 2020, 15, C10019-C10019.	0.5	0
937	High-redshift JWST predictions from IllustrisTNG: II. Galaxy line and continuum spectral indices and dust attenuation curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 4747-4768.	1.6	31

#	ARTICLE	IF	CITATIONS
938	Direct Measurement of the H i-halo Mass Relation through Stacking. <i>Astrophysical Journal</i> , 2020, 894, 92.	1.6	30
939	Galaxy formation with BECDM â€“ II. Cosmic filaments and first galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 2027-2044.	1.6	58
940	Cosmological Simulation of Galaxy Groups and Clusters. I. Global Effect of Feedback from Active Galactic Nuclei. <i>Astrophysical Journal</i> , 2020, 889, 60.	1.6	6
941	Galaxy assembly bias of central galaxies in the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 2739-2754.	1.6	22
942	Early-type galaxy density profiles from IllustrisTNG â€“ I. Galaxy correlations and the impact of baryons. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 5188-5215.	1.6	26
943	KASHz: No evidence for ionised outflows instantaneously suppressing star formation in moderate luminosity AGN at $1.4 < z < 2.6$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 3194-3216.	1.6	29
944	Modified initial power spectrum and too big to fail problem. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 4907-4913.	1.6	5
945	The Effects of Metallicity and Abundance Pattern of the ISM on Supernova Feedback. <i>Astrophysical Journal</i> , 2020, 896, 66.	1.6	9
946	General relativistic hydrodynamics on a moving-mesh I: static spaceâ€“times. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 206-214.	1.6	6
947	Connecting the structure of dark matter haloes to the primordial power spectrum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 4994-5013.	1.6	21
948	The AREPO Public Code Release. <i>Astrophysical Journal, Supplement Series</i> , 2020, 248, 32.	3.0	196
949	A missing outskirts problem? Comparisons between stellar haloes in the Dragonfly Nearby Galaxies Survey and the TNG100 simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 4570-4604.	1.6	31
950	Radiative AGN feedback on a moving mesh: the impact of the galactic disc and dust physics on outflow properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1143-1164.	1.6	10
951	The mass of our Milky Way. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	2.0	69
952	Barred Galaxies in the Illustris-1 and TNG100 Simulations: A Comparison Study. <i>Astrophysical Journal</i> , 2020, 895, 92.	1.6	23
953	Infrared luminosity functions and dust mass functions in the EAGLE simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 2912-2924.	1.6	16
954	DeepMerge: Classifying high-redshift merging galaxies with deep neural networks. <i>Astronomy and Computing</i> , 2020, 32, 100390.	0.8	27
955	The high-redshift SFRâ€“M* relation is sensitive to the employed star formation rate and stellar mass indicators: towards addressing the tension between observations and simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 5592-5606.	1.6	30

#	ARTICLE	IF	CITATIONS
956	Cosmological baryon transfer in the simba simulations. Monthly Notices of the Royal Astronomical Society, 2020, 491, 6102-6119.	1.6	30
957	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
958	A cosmic UV/X-ray background model update. Monthly Notices of the Royal Astronomical Society, 2020, 493, 1614-1632.	1.6	125
959	Aging haloes: implications of the magnitude gap on conditional statistics of stellar and gas properties of massive haloes. Monthly Notices of the Royal Astronomical Society, 2020, 493, 1361-1374.	1.6	13
960	Quiescent Galaxies 1.5 Billion Years after the Big Bang and Their Progenitors. Astrophysical Journal, 2020, 889, 93.	1.6	117
961	An Accurate Analytic Mass Model for Lensing Galaxies. Astrophysical Journal, 2020, 892, 62.	1.6	11
962	The bivariate gas+stellar mass distributions and the mass functions of early- and late-type galaxies at. Publications of the Astronomical Society of Australia, 2020, 37, .	1.3	16
963	Dynamical Evolution of Cosmic Supermassive Binary Black Holes and Their Gravitational-wave Radiation. Astrophysical Journal, 2020, 897, 86.	1.6	22
964	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
965	Virial models and anisotropy of velocity dispersion in E-galaxies. Astrophysics and Space Science, 2020, 365, 1.	0.5	0
966	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
967	And yet it flips: connecting galactic spin and the cosmic web. Monthly Notices of the Royal Astronomical Society, 2020, 493, 362-381.	1.6	49
968	Testing the impact of satellite anisotropy on large- and small-scale intrinsic alignments using hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5330-5350.	1.6	6
969	Baryons in the Cosmic Web of IllustrisTNG 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
970	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
971	Baryon-CDM isocurvature galaxy bias with IllustrisTNG. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 005-005.	1.9	22
972	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
973	Weak lensing reveals a tight connection between dark matter halo mass and the distribution of stellar mass in massive galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 492, 3685-3707.	1.6	24

#	ARTICLE	IF	CITATIONS
974	Global simulations of galactic discs: violent feedback from clustered supernovae during bursts of star formation. Monthly Notices of the Royal Astronomical Society, 2020, 492, 79-95.	1.6	17
975	The origin of dust in galaxies across cosmic time. Monthly Notices of the Royal Astronomical Society, 2020, 493, 2490-2505.	1.6	43
976	Sensitivity analysis of a galaxy formation model. Monthly Notices of the Royal Astronomical Society, 2020, 493, 1827-1841.	1.6	1
977	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
978	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
979	Measuring galaxy-galaxy-galaxy-lensing with higher precision and accuracy. Astronomy and Astrophysics, 2020, 634, A13.	2.1	3
980	A discrete chemo-dynamical model of M87's globular clusters: Kinematics extending to $\sim 1/400$ kpc. Monthly Notices of the Royal Astronomical Society, 2020, 492, 2775-2795.	1.6	12
981	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
982	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
983	The case for strangulation in low-mass hosts: DDO 113. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1713-1730.	1.6	13
984	Self-Interacting Dark Matter Subhalos in the Milky Way's Tides. Physical Review Letters, 2020, 124, 141102.	2.9	52
985	Evolution of dwarf galaxy observable parameters. Monthly Notices of the Royal Astronomical Society, 2020, 493, 638-650.	1.6	3
986	Simulations of the star-forming molecular gas in an interacting M51-like galaxy. Monthly Notices of the Royal Astronomical Society, 2020, 492, 2973-2995.	1.6	51
987	The Formation History of Subhalos and the Evolution of Satellite Galaxies. Astrophysical Journal, 2020, 893, 139.	1.6	14
988	Galaxy sizes and the galaxy-halo connection I. The remarkable tightness of the size distributions. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1671-1690.	1.6	28
989	Real galaxy mergers from galaxy pair catalogues. Monthly Notices of the Royal Astronomical Society, 2020, 493, 922-929.	1.6	5
990	Discrimination of heavy elements originating from Pop III stars in $z \sim 3$ intergalactic medium. Monthly Notices of the Royal Astronomical Society, 2020, 491, 4387-4395.	1.6	4
991	Cool outflows in galaxies and their implications. Astronomy and Astrophysics Review, 2020, 28, 1.	9.1	253

#	ARTICLE	IF	CITATIONS
992	Disc galaxies formed from major mergers in Illustris. Monthly Notices of the Royal Astronomical Society, 2020, 493, 1375-1387.	1.6	25
993	Reproducing the Universe: a comparison between the EAGLE simulations and the nearby DustPedia galaxy sample. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2823-2838.	1.6	28
994	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
995	Improving performance of zoom-in cosmological simulations using initial conditions with customized grids. New Astronomy, 2021, 84, 101501.	0.8	3
996	Diagnosing the interstellar medium of galaxies with far-infrared emission lines. Astronomy and Astrophysics, 2021, 645, A133.	2.1	9
997	Probing dark matter self-interaction with ultrafaint dwarf galaxies. Physical Review D, 2021, 103, .	1.6	18
998	Refining the mass estimate for the intermediate-mass black hole candidate in NGC 3319. Publications of the Astronomical Society of Australia, 2021, 38, .	1.3	4
999	TARDIS. II. Synergistic Density Reconstruction from Ly α Forest and Spectroscopic Galaxy Surveys with Applications to Protoclusters and the Cosmic Web. Astrophysical Journal, 2021, 906, 110.	1.6	13
1000	The TNG50 Simulation: Highly-Resolved Galaxies in a Large Cosmological Volume to the Present Day. , 2021, , 5-22.		0
1001	What to expect when using globular clusters as tracers of the total mass distribution in Milky Way-mass galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2828-2844.	1.6	6
1002	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
1003	Formation Channels of Single and Binary Stellar-Mass Black Holes. , 2021, , 1-65.		27
1004	Statistical modelling of the cosmological dispersion measure. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2615-2629.	1.6	23
1005	The luminosity functions and redshift evolution of satellites of low-mass galaxies in the COSMOS survey. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1205-1217.	1.6	8
1006	Spurious heating of stellar motions in simulated galactic discs by dark matter halo particles. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5114-5137.	1.6	36
1007	Estimation of the Galaxy Quenching Rate in the Illustris Simulation. Astrophysical Journal, 2021, 906, 129.	1.6	3
1008	Resummed kinetic field theory: a model of coupled baryonic and dark matter. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 046-046.	1.9	2
1009	Submillimetre galaxies in cosmological hydrodynamical simulations â€œ an opportunity for constraining feedback models. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2922-2933.	1.6	20

#	ARTICLE	IF	CITATIONS
1010	The galaxy-halo connection of emission-line galaxies in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3599-3617.	1.6	33
1011	GriSPy: A Python package for fixed-radius nearest neighbors search. Astronomy and Computing, 2021, 34, 100443.	0.8	4
1012	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
1013	Novel Probes Project: Tests of gravity on astrophysical scales. Reviews of Modern Physics, 2021, 93, .	16.4	47
1014	Non-thermal radio supernova remnants of exiled Wolf-Rayet stars. Monthly Notices of the Royal Astronomical Society, 2021, 502, 5340-5355.	1.6	19
1015	Observational Signatures of Dark Matter. Radiophysics and Quantum Electronics, 2021, 63, 643-655.	0.1	0
1016	x-cut Cosmic shear: Optimally removing sensitivity to baryonic and nonlinear physics with an application to the Dark Energy Survey year 1 shear data. Physical Review D, 2021, 103, .	1.6	8
1017	The sensitivity of stellar feedback to IMF averaging versus IMF sampling in galaxy formation simulations. Monthly Notices of the Royal Astronomical Society, 2021, 502, 5417-5437.	1.6	19
1018	ALMA Measures Rapidly Depleted Molecular Gas Reservoirs in Massive Quiescent Galaxies at $z \sim 1.5$. Astrophysical Journal, 2021, 908, 54.	1.6	36
1019	Dark matter haloes of massive elliptical galaxies at $z \sim 0.2$ are well described by the Navarro-Frenk-White profile. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2380-2405.	1.6	47
1020	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
1021	Revisiting the Integrated Star Formation Law. II. Starbursts and the Combined Global Schmidt Law. Astrophysical Journal, 2021, 908, 61.	1.6	80
1022	The kinematics of globular cluster populations in the E-MOSAICS simulations and their implications for the assembly history of the Milky Way. Monthly Notices of the Royal Astronomical Society, 2021, 503, 31-58.	1.6	22
1023	Dark energy survey year 1 results: Constraining baryonic physics in the Universe. Monthly Notices of the Royal Astronomical Society, 2021, 502, 6010-6031.	1.6	27
1024	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
1025	A hierarchical clustering method for quantifying satellite abundance. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4976-4991.	1.6	0
1026	Deviations from tidal torque theory: Evolution of the halo spin-filament alignment. Monthly Notices of the Royal Astronomical Society, 2021, 502, 5528-5545.	1.6	12
1027	Supermassive black holes in cosmological simulations I: $M_{\text{BH}} \sim M_{\text{halo}}$ relation and black hole mass function. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1940-1975.	1.6	63

#	ARTICLE	IF	CITATIONS
1028	Out of sight, out of mind? The impact of correlated clustering in substructure lensing. Monthly Notices of the Royal Astronomical Society, 2021, 502, 6064-6079.	1.6	10
1029	MIGHTEE-HI: The H α emission project of the MeerKAT MIGHTEE survey. Astronomy and Astrophysics, 2021, 646, A35.	2.1	45
1031	Observational Constraints in Delta-gravity: CMB and Supernovae. Astrophysical Journal, 2021, 910, 43.	1.6	6
1032	The stellar halos of ETGs in the IllustrisTNG simulations. Astronomy and Astrophysics, 2021, 647, A95.	2.1	34
1033	Modelling the M \ast -SFR relation at high redshift: untangling factors driving biases in the intrinsic scatter measurement. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4855-4877.	1.6	15
1034	Barred spiral galaxies in modified gravity theories. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2833-2860.	1.6	22
1035	Cosmic filaments in galaxy cluster outskirts: quantifying finding filaments in redshift space. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2065-2076.	1.6	18
1036	Multiwavelength mock galaxy catalogues of the low-redshift Universe. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4147-4162.	1.6	10
1037	A little FABLE: exploring AGN feedback in dwarf galaxies with cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3568-3591.	1.6	37
1038	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
1039	Galaxies with kinematically distinct cores in Illustris. Astronomy and Astrophysics, 2021, 647, A103.	2.1	6
1040	Studying galaxy cluster morphological metrics with $\langle \text{scp} \rangle$ -X. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3394-3413.	1.6	5
1041	Can we constrain the evolution of HI bias using configuration entropy?. Research in Astronomy and Astrophysics, 2021, 21, 035.	0.7	1
1042	$\langle \text{scp} \rangle$ -emerge: constraining merging probabilities and time-scales of close galaxy pairs. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5646-5657.	1.6	3
1043	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
1044	The pristine dwarf-galaxy survey $\hat{\alpha}$ III. Revealing the nature of the Milky Way globular cluster Sagittarius II. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2754-2762.	1.6	17
1045	Orbital pericentres and the inferred dark matter halo structure of satellite galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5232-5237.	1.6	8
1046	SEAGLE $\hat{\alpha}$ II. Constraints on feedback models in galaxy formation from massive early-type strong-lens galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3455-3477.	1.6	9

#	ARTICLE	IF	CITATIONS
1047	The radio galaxy population in the <sc>simba</sc> simulations. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3492-3509.	1.6	22
1048	Detecting the Figure Rotation of Dark Matter Halos with Tidal Streams. Astrophysical Journal, 2021, 910, 150.	1.6	8
1049	Astrophysics Milestones for Pulsar Timing Array Gravitational-wave Detection. Astrophysical Journal Letters, 2021, 911, L34.	3.0	66
1050	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
1051	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
1052	Educational Design Framework for a Web-Based Interface to Visualise Authentic Cosmological "Big Data" in High School. Journal of Science Education and Technology, 2021, 30, 732-750.	2.4	6
1053	A study of the H α gas fractions of galaxies at $z \sim 1$. Astronomy and Astrophysics, 2021, 648, A25.	2.1	5
1054	The splashback boundary of haloes in hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4649-4666.	1.6	24
1055	Interacting galaxies in the IllustrisTNG simulations III. (The rarity of) quenching in post-merger galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1888-1901.	1.6	25
1056	Galaxy-lens determination of $\langle H\alpha \rangle$: the effect of the ellipse+shear modelling assumption. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1340-1354.	1.6	8
1057	Constraining $M_{1/2}$ with the bispectrum. Part II. The information content of the galaxy bispectrum monopole. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 029.	1.9	65
1058	A flexible modelling of galaxy assembly bias. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5205-5220.	1.6	25
1059	Hybrid analytic and machine-learned baryonic property insertion into galactic dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4024-4038.	1.6	10
1060	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
1061	Estimating Lifetimes of UV-selected Massive Galaxies at $0.5 \leq z \leq 2.5$ in the COSMOS/UltraVISTA Field through Clustering Analyses. Astrophysical Journal, 2021, 911, 59.	1.6	4
1062	Impact of baryons in cosmic shear analyses with tomographic aperture mass statistics. Astronomy and Astrophysics, 2021, 648, A115.	2.1	11
1063	The origin of metal-poor stars on prograde disc orbits in FIRE simulations of Milky Way-mass galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 505, 921-938.	1.6	21
1064	Inconsistencies arising from the coupling of galaxy formation sub-grid models to pressure-smoothed particle hydrodynamics. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2316-2327.	1.6	8

#	ARTICLE	IF	CITATIONS
1065	The impact of magnetic fields on cosmological galaxy mergers – I. Reshaping gas and stellar discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 229-255.	1.6	14
1066	Voyage through the hidden physics of the cosmic web. <i>Experimental Astronomy</i> , 2021, 51, 1043-1079.	1.6	9
1067	Visualizing the world’s largest turbulence simulation. <i>Parallel Computing</i> , 2021, 102, 102758.	1.3	2
1068	The SAMI Galaxy Survey: a statistical approach to an optimal classification of stellar kinematics in galaxy surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 3078-3106.	1.6	22
1069	Responses of Halo Occupation Distributions: a new ingredient in the halo model & the impact on galaxy bias. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 069.	1.9	18
1070	Explaining the scatter in the galaxy mass–metallicity relation with gas flows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 4817-4828.	1.6	17
1071	Measuring the Mass and Concentration of Dark Matter Halos from the Velocity Dispersion Profile of their Stars. <i>Astrophysical Journal</i> , 2021, 912, 114.	1.6	4
1072	The galaxy size–halo mass scaling relations and clustering properties of central and satellite galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 3192-3205.	1.6	15
1073	Stellar Population Inference with Prospector. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 22.	3.0	259
1074	Characterizing hydrostatic mass bias with <code>mock-X</code> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 2533-2550.	1.6	22
1075	Feedback from Active Galactic Nuclei in Galaxy Groups. <i>Universe</i> , 2021, 7, 142.	0.9	49
1076	Galaxy formation with L-GALAXIES: modelling the environmental dependency of galaxy evolution and comparing with observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 492-514.	1.6	27
1077	Cosmos visualized: Development of a qualitative framework for analyzing representations in cosmology education. <i>Physical Review Physics Education Research</i> , 2021, 17, .	1.4	5
1078	Star–Gas Misalignment in Galaxies. II. Origins Found from the Horizon-AGN Simulation. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 27.	3.0	13
1079	Morphological Types of DM Halos in Milky Way-like Galaxies in the TNG50 Simulation: Simple, Twisted, or Stretched. <i>Astrophysical Journal</i> , 2021, 913, 36.	1.6	15
1080	Simulating Groups and the IntraGroup Medium: The Surprisingly Complex and Rich Middle Ground between Clusters and Galaxies. <i>Universe</i> , 2021, 7, 209.	0.9	46
1081	The Uchuu simulations: Data Release 1 and dark matter halo concentrations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 4210-4231.	1.6	108
1082	Properties of the multiphase outflows in local (ultra)luminous infrared galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 5753-5783.	1.6	47

#	ARTICLE	IF	CITATIONS
1083	AGN jet feedback on a moving mesh: gentle cluster heating by weak shocks and lobe disruption. Monthly Notices of the Royal Astronomical Society, 2021, 506, 488-513.	1.6	23
1084	Light, medium-weight, or heavy? The nature of the first supermassive black hole seeds. Monthly Notices of the Royal Astronomical Society, 2021, 506, 613-632.	1.6	29
1085	A new strategy for matching observed and simulated lensing galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1815-1831.	1.6	1
1086	Comprehensive Gas Characterization of a $z = 2.5$ Protocluster: A Cluster Core Caught in the Beginning of Virialization?. Astrophysical Journal, 2021, 913, 110.	1.6	24
1087	The lens SW05 J143454.4+522850: a fossil group at redshift 0.6?. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1715-1722.	1.6	0
1088	Observing the host galaxies of high-redshift quasars with JWST: predictions from the BlueTides simulation. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1209-1228.	1.6	16
1089	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
1090	How Flat Can a Planetary System Get? I. The Case of TRAPPIST-1. Astrophysical Journal, 2021, 913, 126.	1.6	2
1091	The impact of ionized outflows from $z \sim 2.5$ quasars is not through instantaneous <i>in situ</i> quenching: the evidence from ALMA and VLT/SINFONI. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5469-5487.	1.6	16
1092	DeepMerge II. Building robust deep learning algorithms for merging galaxy identification across domains. Monthly Notices of the Royal Astronomical Society, 2021, 506, 677-691.	1.6	23
1093	GalaxyNet: connecting galaxies and dark matter haloes with deep neural networks and reinforcement learning in large volumes. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2115-2136.	1.6	29
1094	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
1095	Gas-phase metallicity gradients of TNG50 star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3024-3048.	1.6	40
1096	mirkwood: Fast and Accurate SED Modeling Using Machine Learning. Astrophysical Journal, 2021, 916, 43.	1.6	16
1097	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
1098	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
1099	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
1100	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

#	ARTICLE	IF	CITATIONS
1101	Host galaxies of high-redshift quasars: SMBH growth and feedback. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1-26.	1.6	29
1102	Searching for the shadows of giants II. The effect of local ionization on the Ly α absorption signatures of protoclusters at redshift $z \approx 2.4$. Monthly Notices of the Royal Astronomical Society, 2021, 506, 6001-6013.	1.6	4
1103	Efficient early stellar feedback can suppress galactic outflows by reducing supernova clustering. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3882-3915.	1.6	48
1104	Mixing matters. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2836-2852.	1.6	14
1105	The origin of galaxy colour bimodality in the scatter of the stellar-to-halo mass relation. Nature Astronomy, 2021, 5, 1069-1076.	4.2	33
1106	The OTELO Survey: The Star Formation Rate Evolution of Low-mass Galaxies. Astrophysical Journal Letters, 2021, 915, L17.	3.0	0
1107	The BACCO simulation project: a baryonification emulator with neural networks. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4070-4082.	1.6	40
1108	The assembly bias of emission-line galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3155-3168.	1.6	7
1109	Statistical strong lensing. Astronomy and Astrophysics, 2021, 651, A18.	2.1	19
1110	Encoding large-scale cosmological structure with generative adversarial networks. Astronomy and Astrophysics, 2021, 651, A46.	2.1	7
1111	IQ Collaboratory. II. The Quiescent Fraction of Isolated, Low-mass Galaxies across Simulations and Observations. Astrophysical Journal, 2021, 915, 53.	1.6	19
1112	Chronos: A NIR spectroscopic galaxy survey to probe the most fundamental stages of galaxy evolution. Experimental Astronomy, 2021, 51, 729.	1.6	0
1113	An Improved and Physically Motivated Scheme for Matching Galaxies with Dark Matter Halos. Astrophysical Journal, 2021, 917, 66.	1.6	3
1114	Inferring the Morphology of Stellar Distribution in TNG50: Twisted and Twisted-stretched Shapes. Astrophysical Journal, 2021, 918, 7.	1.6	9
1115	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
1116	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
1117	Formation of massive disc galaxies in the IllustrisTNG simulation. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3301-3311.	1.6	17
1118	LLAMA: Stellar populations in the nuclei of ultra-hard X-ray-selected AGN and matched inactive galaxies. Astronomy and Astrophysics, 2021, 654, A132.	2.1	6

#	ARTICLE	IF	CITATIONS
1119	A universal relation between the properties of supermassive black holes, galaxies, and dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 4274-4293.	1.6	19
1120	Reconstructing $H\alpha$ power spectrum with minimal parameters using the dark matter distribution beyond haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 2937-2948.	1.6	1
1121	The emergence of passive galaxies in the early Universe. <i>Astronomy and Astrophysics</i> , 2021, 652, A30.	2.1	27
1122	Galaxy bias from forward models: linear and second-order bias of IllustrisTNG galaxies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 029.	1.9	31
1123	How well is angular momentum accretion modelled in semi-analytic galaxy formation models?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 4241-4261.	1.6	1
1124	Do galaxies die? Different views from simulations and observations in the local Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 5108-5116.	1.6	11
1125	Impact of gas-based seeding on supermassive black hole populations at $z \approx 7$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 2012-2036.	1.6	5
1126	Cosmological Simulations of Quasar Fueling to Subparsec Scales Using Lagrangian Hyper-refinement. <i>Astrophysical Journal</i> , 2021, 917, 53.	1.6	49
1127	HST grism spectroscopy of $z \approx 3$ massive quiescent galaxies. <i>Astronomy and Astrophysics</i> , 2021, 653, A32.	2.1	20
1128	Predictions for anisotropic X-ray signatures in the circumgalactic medium: imprints of supermassive black hole driven outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 1563-1581.	1.6	21
1129	Galaxy assembly bias and large-scale distribution: a comparison between IllustrisTNG and a semi-analytic model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 698-718.	1.6	22
1130	The importance of mock observations in validating galaxy properties for cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 3321-3336.	1.6	4
1131	On the influence of halo mass accretion history on galaxy properties and assembly bias. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 940-949.	1.6	19
1132	Mitigating baryonic effects with a theoretical error covariance. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 5592-5601.	1.6	1
1133	Semi-analytic forecasts for JWST ν AGN luminosity functions and helium reionization at $z \approx 7$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2706-2729.	1.6	25
1134	The OBELISK simulation: Galaxies contribute more than AGN to Γ reionization of protoclusters. <i>Astronomy and Astrophysics</i> , 2021, 653, A154.	2.1	37
1135	The ALPINE-ALMA [CII] survey. <i>Astronomy and Astrophysics</i> , 2021, 653, A111.	2.1	26
1136	AGN and star formation at cosmic noon: comparison of data to theoretical models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 762-780.	1.6	5

#	ARTICLE	IF	CITATIONS
1137	The Impacts of Modeling Choices on the Inference of Circumgalactic Medium Properties from Sunyaev-Zeldovich Observations. <i>Astrophysical Journal</i> , 2021, 919, 2.	1.6	9
1138	Evolving beyond $\langle i \rangle = 0$: insights about the future of stars and the intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 5432-5450.	1.6	2
1139	Fast galaxy bars continue to challenge standard cosmology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 926-939.	1.6	36
1140	Advances in constraining intrinsic alignment models with hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 637-664.	1.6	23
1141	Quiescent ultra-diffuse galaxies in the field originating from backplash orbits. <i>Nature Astronomy</i> , 2021, 5, 1255-1260.	4.2	32
1142	The Dawes Review 9: The role of cold gas stripping on the star formation quenching of satellite galaxies. <i>Publications of the Astronomical Society of Australia</i> , 2021, 38, .	1.3	101
1143	Rivers of gas – I. Unveiling the properties of high redshift filaments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 351-368.	1.6	15
1144	Mid-IR cosmological spectrophotometric surveys from space: Measuring AGN and star formation at the cosmic noon with a SPICA-like mission. <i>Publications of the Astronomical Society of Australia</i> , 2021, 38, .	1.3	4
1145	The coherent motion of Cen A dwarf satellite galaxies remains a challenge for Λ CDM cosmology. <i>Astronomy and Astrophysics</i> , 2021, 645, L5.	2.1	34
1146	powderday: Dust Radiative Transfer for Galaxy Simulations. <i>Astrophysical Journal, Supplement Series</i> , 2021, 252, 12.	3.0	35
1147	Gravitational self-lensing in populations of massive black hole binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2524-2536.	1.6	10
1148	LYRA I: Simulating the multi-phase ISM of a dwarf galaxy with variable energy supernovae from individual stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, .	1.6	35
1149	Introduction to Tidal Streams. <i>Astrophysics and Space Science Library</i> , 2016, , 1-29.	1.0	2
1150	Gas Accretion and Angular Momentum. <i>Astrophysics and Space Science Library</i> , 2017, , 249-270.	1.0	9
1151	Observational Diagnostics of Gas Flows: Insights from Cosmological Simulations. <i>Astrophysics and Space Science Library</i> , 2017, , 271-300.	1.0	5
1152	The Effect of Galactic Feedback on Gas Accretion and Wind Recycling. <i>Astrophysics and Space Science Library</i> , 2017, , 301-321.	1.0	19
1153	Gas Accretion and Star Formation Rates. <i>Astrophysics and Space Science Library</i> , 2017, , 67-94.	1.0	12
1154	Outskirts of Nearby Disk Galaxies: Star Formation and Stellar Populations. <i>Astrophysics and Space Science Library</i> , 2017, , 115-143.	1.0	5

#	ARTICLE	IF	CITATIONS
1155	Impact of uncertainties in the halo velocity profile on direct detection of sub-GeV dark matter. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	3
1156	Jump ship, shift gears, or just keep on chugging: Assessing the responses to tensions between theory and evidence in contemporary cosmology. <i>Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics</i> , 2020, 72, 205-216.	1.4	9
1157	Star formation and black hole accretion activity in rich local clusters of galaxies. <i>Astronomy and Astrophysics</i> , 2016, 588, A105.	2.1	4
1158	The halo of M49 and its environment as traced by planetary nebulae populations. <i>Astronomy and Astrophysics</i> , 2017, 603, A104.	2.1	21
1159	Discovery of large scale shock fronts correlated with the radio halo and radio relic in the A2163 galaxy cluster. <i>Astronomy and Astrophysics</i> , 2018, 619, A68.	2.1	6
1160	T-ReX: a graph-based filament detection method. <i>Astronomy and Astrophysics</i> , 2020, 637, A18.	2.1	28
1161	Tracing the anemic stellar halo of M 101. <i>Astronomy and Astrophysics</i> , 2020, 637, A8.	2.1	11
1162	Simulations of satellite tidal debris in the Milky Way halo. <i>Astronomy and Astrophysics</i> , 2020, 636, A106.	2.1	6
1163	Populations of filaments from the distribution of galaxies in numerical simulations. <i>Astronomy and Astrophysics</i> , 2020, 641, A173.	2.1	34
1164	Towards a consistent framework of comparing galaxy mergers in observations and simulations. <i>Astronomy and Astrophysics</i> , 2020, 644, A87.	2.1	15
1165	Morphology and surface photometry of a sample of isolated early-type galaxies from deep imaging. <i>Astronomy and Astrophysics</i> , 2020, 640, A38.	2.1	10
1166	The stellar halos of ETGs in the IllustrisTNG simulations: The photometric and kinematic diversity of galaxies at large radii. <i>Astronomy and Astrophysics</i> , 2020, 641, A60.	2.1	33
1167	The ALPINE-ALMA [CII] survey. <i>Astronomy and Astrophysics</i> , 2020, 643, A7.	2.1	23
1168	Massive disc galaxies too dominated by dark matter in cosmological hydrodynamical simulations. <i>Astronomy and Astrophysics</i> , 2020, 640, A70.	2.1	20
1169	KiDS+VIKING+GAMA: Testing semi-analytic models of galaxy evolution with galaxy-galaxy lensing. <i>Astronomy and Astrophysics</i> , 2020, 640, A59.	2.1	3
1170	Nonparametric galaxy morphology from UV to submm wavelengths. <i>Astronomy and Astrophysics</i> , 2020, 641, A119.	2.1	17
1171	Mock catalogs for the extragalactic X-ray sky: Simulating AGN surveys with ATHENA and with the AXIS probe. <i>Astronomy and Astrophysics</i> , 2020, 642, A184.	2.1	25
1172	The parallelism between galaxy clusters and early-type galaxies. <i>Astronomy and Astrophysics</i> , 2020, 643, A136.	2.1	8

#	ARTICLE	IF	CITATIONS
1173	The impact of mass map truncation on strong lensing simulations. <i>Astronomy and Astrophysics</i> , 2020, 644, A108.	2.1	9
1174	Imprint of baryons and massive neutrinos on velocity statistics. <i>Astronomy and Astrophysics</i> , 2020, 644, A170.	2.1	5
1175	Baryonic effects for weak lensing. Part II. Combination with X-ray data and extended cosmologies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 020-020.	1.9	27
1176	Galaxy bias and primordial non-Gaussianity: insights from galaxy formation simulations with IllustrisTNG. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 013-013.	1.9	32
1177	The intrinsic SFRF and sSFRF of galaxies: comparing SDSS observation with IllustrisTNG simulation. <i>Research in Astronomy and Astrophysics</i> , 2020, 20, 195.	0.7	12
1178	The impact of quenching on galaxy profiles in the <sc>simba</sc> simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 6053-6071.	1.6	43
1179	simba: the average properties of the circumgalactic medium of $2 \leq z \leq 3$ quasars are determined primarily by stellar feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 2760-2784.	1.6	18
1180	emerge – empirical constraints on the formation of passive galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 4748-4767.	1.6	30
1181	NIHAO – XXV. Convergence in the cusp-core transformation of cold dark matter haloes at high star formation thresholds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 2648-2661.	1.6	23
1182	Reconciling galaxy cluster shapes, measured by theorists versus observers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 2627-2644.	1.6	11
1183	Constraining the cross-section of dark matter with giant radial arcs in galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 247-258.	1.6	15
1184	The LBT satellites of Nearby Galaxies Survey (LBT-SONG): the satellite population of NGC 628. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 3854-3869.	1.6	25
1185	Simulating the interstellar medium of galaxies with radiative transfer, non-equilibrium thermochemistry, and dust. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 5732-5748.	1.6	27
1186	WISDOM project – VI. Exploring the relation between supermassive black hole mass and galaxy rotation with molecular gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 1933-1952.	1.6	14
1187	Evaluating hydrodynamical simulations with green valley galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 3685-3702.	1.6	11
1188	Extreme kinematic misalignment in IllustrisTNG galaxies: the origin, structure, and internal dynamics of galaxies with a large-scale counterrotation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 3870-3888.	1.6	29
1189	First Light And Reionization Epoch Simulations (FLARES) – I. Environmental dependence of high-redshift galaxy evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 2127-2145.	1.6	59
1190	The mass assembly of high-redshift black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 2146-2158.	1.6	19

#	ARTICLE	IF	CITATIONS
1191	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
1192	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
1193	Is there enough star formation in simulated protoclusters?. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1803-1822.	1.6	17
1194	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
1195	Creating a galaxy lacking dark matter in a dark matter-dominated universe. Monthly Notices of the Royal Astronomical Society, 2020, 501, 693-700.	1.6	22
1196	<sc>Emerge</sc>: Empirical predictions of galaxy merger rates since $z \approx 6$. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	25
1197	Realistic mock observations of the sizes and stellar mass surface densities of massive galaxies in FIRE-2 zoom-in simulations. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1591-1602.	1.6	29
1198	Extensions to models of the galaxy-halo connection. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1603-1620.	1.6	36
1199	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
1200	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
1201	Beyond halo mass: quenching galaxy mass assembly at the edge of filaments. Monthly Notices of the Royal Astronomical Society, 2021, 501, 4635-4656.	1.6	24
1203	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
1204	THE PECULIARITIES IN O-TYPE GALAXY CLUSTERS. Odessa Astronomical Publications, 2017, 30, 121-123.	0.2	3
1205	Modelling baryonic feedback for survey cosmology. , 2019, 2, .		103
1206	STELLAR AND BLACK HOLE MASS DENSITIES AS EMPIRICAL TRACERS OF CO-EVOLUTION SHOW LOCK-STEP GROWTH SINCE $z \approx 3$. Astrophysical Journal, 2016, 826, 67.	1.6	4
1207	THE GRISM LENS-AMPLIFIED SURVEY FROM SPACE (GLASS). VII. THE DIVERSITY OF THE DISTRIBUTION OF STAR FORMATION IN CLUSTER AND FIELD GALAXIES AT $0.3 \leq z \leq 0.7$. Astrophysical Journal, 2016, 833, 178.	1.6	29
1208	Triggering and Delivery Algorithms for AGN Feedback. Astrophysical Journal, 2017, 841, 133.	1.6	48
1209	The Coevolution of Massive Quiescent Galaxies and Their Dark Matter Halos over the Last 6 Billion Years. Astrophysical Journal, 2019, 878, 158.	1.6	10

#	ARTICLE	IF	CITATIONS
1210	Merging Cluster Collaboration: A Panchromatic Atlas of Radio Relic Mergers. <i>Astrophysical Journal</i> , 2019, 882, 69.	1.6	37
1211	The ALMA Spectroscopic Survey in the HUDF: the Molecular Gas Content of Galaxies and Tensions with IllustrisTNG and the Santa Cruz SAM. <i>Astrophysical Journal</i> , 2019, 882, 137.	1.6	65
1212	Mind the Gap: Is the Too Big to Fail Problem Resolved?. <i>Astrophysical Journal</i> , 2019, 885, 97.	1.6	8
1213	Tidal Destruction in a Low-mass Galaxy Environment: The Discovery of Tidal Tails around DDO 44*. <i>Astrophysical Journal</i> , 2019, 886, 109.	1.6	21
1214	On the Prospect of Using the Maximum Circular Velocity of Halos to Encapsulate Assembly Bias in the Galaxy-Halo Connection. <i>Astrophysical Journal</i> , 2019, 887, 17.	1.6	19
1215	The MBHMAP Project. I. Measurement of the Central Black Hole Mass in Spiral Galaxy NGC 3504 Using Molecular Gas Kinematics. <i>Astrophysical Journal</i> , 2020, 892, 68.	1.6	24
1216	Satellite Alignment. III. Satellite Galaxies' Spatial Distribution and Their Dependence on Redshift with a Novel Galaxy Finder. <i>Astrophysical Journal</i> , 2020, 893, 87.	1.6	4
1217	Measuring Star Formation Histories, Distances, and Metallicities with Pixel Color-Magnitude Diagrams. II. Applications to Nearby Elliptical Galaxies. <i>Astrophysical Journal</i> , 2020, 893, 160.	1.6	3
1218	Spectroscopic Constraints on the Buildup of Intracluster Light in the Coma Cluster. <i>Astrophysical Journal</i> , 2020, 894, 32.	1.6	12
1219	Star-Gas Misalignment in Galaxies. I. The Properties of Galaxies from the Horizon-AGN Simulation and Comparisons to SAMI. <i>Astrophysical Journal</i> , 2020, 894, 106.	1.6	16
1220	The Angular Momentum of the Circumgalactic Medium in the TNG100 Simulation. <i>Astrophysical Journal</i> , 2020, 895, 17.	1.6	26
1221	Correlations between Black Holes and Host Galaxies in the Illustris and IllustrisTNG Simulations. <i>Astrophysical Journal</i> , 2020, 895, 102.	1.6	24
1222	Galaxy Merger Rates up to $z \sim 1.5$ Using a Bayesian Deep Learning Model: A Major-merger Classifier Using IllustrisTNG Simulation Data. <i>Astrophysical Journal</i> , 2020, 895, 115.	1.6	54
1223	Star Formation in Massive Galaxies at Redshift $z \sim 0.5$. <i>Astrophysical Journal</i> , 2020, 895, 100.	1.6	8
1224	Fitting the Nonlinear Matter Bispectrum by the Halofit Approach. <i>Astrophysical Journal</i> , 2020, 895, 113.	1.6	33
1225	Testing the Fidelity of Simulations of Black Hole-Galaxy Coevolution at $z \sim 1.5$ with Observations. <i>Astrophysical Journal</i> , 2020, 896, 159.	1.6	7
1226	On the Determination of Rotation Velocity and Dynamical Mass of Galaxies Based on Integrated H I Spectra. <i>Astrophysical Journal</i> , 2020, 898, 102.	1.6	18
1227	Metal Enrichment in the Circumgalactic Medium and $L_{\text{Ly}\alpha}$ Halos around Quasars at $z \sim 1.5$. <i>Astrophysical Journal</i> , 2020, 898, 26.	1.6	25

#	ARTICLE	IF	CITATIONS
1228	The Morphology–Density Relationship in $1 < \mathcal{Z} < 2$ Clusters. <i>Astrophysical Journal</i> , 2020, 899, 85.	1.6	20
1229	Constraints on Dynamical Dark Energy Models from the Abundance of Massive Galaxies at High Redshifts. <i>Astrophysical Journal</i> , 2020, 900, 108.	1.6	9
1230	REQUIEM-2D Methodology: Spatially Resolved Stellar Populations of Massive Lensed Quiescent Galaxies from Hubble Space Telescope 2D Grism Spectroscopy. <i>Astrophysical Journal</i> , 2020, 900, 184.	1.6	15
1231	How Do Galaxy Properties Affect Void Statistics?. <i>Astrophysical Journal</i> , 2020, 901, 87.	1.6	10
1232	Defining the (Black Hole)–Spheroid Connection with the Discovery of Morphology-dependent Substructure in the $M_{\text{BH}} \text{--} n_{\text{sph}}$ and $M_{\text{BH}} \text{--} R_{\text{e,sph}}$ Diagrams: New Tests for Advanced Theories and Realistic Simulations. <i>Astrophysical Journal</i> , 2020, 903, 97.	1.6	15
1233	Toward Solving the Puzzle: Dissecting the Complex Merger A521 with Multiwavelength Data. <i>Astrophysical Journal</i> , 2020, 903, 151.	1.6	5
1234	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*. <i>Astrophysical Journal</i> , 2020, 903, 47.	1.6	60
1235	The Impact of Outflows Driven by Active Galactic Nuclei on Metals in and around Galaxies. <i>Astrophysical Journal</i> , 2020, 904, 8.	1.6	9
1236	Tracing Dark Matter Halos with Satellite Kinematics and the Central Stellar Velocity Dispersion of Galaxies. <i>Astrophysical Journal</i> , 2020, 903, 130.	1.6	6
1237	The Subaru HSC Galaxy Clustering with Photometric Redshift. I. Dark Halo Masses versus Baryonic Properties of Galaxies at $0.3 < z < 1.4$. <i>Astrophysical Journal</i> , 2020, 904, 128.	1.6	15
1238	Biases and Cosmic Variance in Molecular Gas Abundance Measurements at High Redshift. <i>Astrophysical Journal</i> , 2020, 904, 127.	1.6	12
1239	The breakBRD Breakdown: Using IllustrisTNG to Track the Quenching of an Observationally Motivated Sample of Centrally Star-forming Galaxies. <i>Astrophysical Journal</i> , 2020, 903, 143.	1.6	2
1240	Barred Galaxies in the IllustrisTNG Simulation. <i>Astrophysical Journal</i> , 2020, 904, 170.	1.6	27
1241	Supermassive Black Hole Fueling in IllustrisTNG: Impact of Environment. <i>Astrophysical Journal</i> , 2020, 904, 150.	1.6	8
1242	First Results from SMAUG: The Need for Preventative Stellar Feedback and Improved Baryon Cycling in Semianalytic Models of Galaxy Formation. <i>Astrophysical Journal</i> , 2020, 905, 4.	1.6	25
1243	Revisiting the Relationship between the Long GRB Rate and Cosmic Star Formation History Based on a Large Swift Sample. <i>Astrophysical Journal</i> , Supplement Series, 2020, 248, 21.	3.0	3
1244	The Sejong Suite: Cosmological Hydrodynamical Simulations with Massive Neutrinos, Dark Radiation, and Warm Dark Matter. <i>Astrophysical Journal</i> , Supplement Series, 2020, 249, 19.	3.0	10
1245	On the Scatter of the Present-day Stellar Metallicity–Mass Relation of Cluster Dwarf Galaxies. <i>Research Notes of the AAS</i> , 2018, 2, 6.	0.3	4

#	ARTICLE	IF	CITATIONS
1246	FOREVER22: galaxy formation in protocluster regions. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4037-4057.	1.6	21
1248	SEAGLE III: Towards resolving the mismatch in the dark-matter fraction in early-type galaxies between simulations and observations. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1245-1251.	1.6	3
1249	The spatial distribution deviation and the power suppression of baryons from dark matter. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1036-1047.	1.6	2
1250	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
1251	The tidal evolution of the Fornax dwarf spheroidal and its globular clusters. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5330-5339.	1.6	9
1252	The Evolutionary Pathways of Disk-, Bulge-, and Halo-dominated Galaxies. Astrophysical Journal, 2021, 919, 135.	1.6	15
1253	Extended Hernquist-Springel formalism for cosmic star formation. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	1
1254	Testing the Sunyaev-Zeldovich-based tomographic approach to the thermal history of the Universe with pressure-density cross correlations: Insights from the Magneticum simulation. Physical Review D, 2021, 104, .	1.6	6
1255	Toward Precise Galaxy Evolution: A Comparison between Spectral Indices of $z \sim 1$ Galaxies in the IllustrisTNG Simulation and the LEGA-C Survey. Astronomical Journal, 2021, 162, 201.	1.9	9
1256	From EMBER to FIRE: predicting high resolution baryon fields from dark matter simulations with deep learning. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1323-1341.	1.6	9
1257	The Fornax Cluster VLT Spectroscopic Survey. IV. Cold kinematical substructures in the Fornax core from COSTA. Astronomy and Astrophysics, 0, , .	2.1	6
1258	Lessons from the Local Group (and Beyond) on Dark Matter. , 2015, , 337-352.		1
1260	Galaxy Formation and Evolution. Space Sciences Series of ISSI, 2016, , 81-111.	0.0	0
1262	DETAILED MORPHOLOGY OF THE RICH CONCENTRATED GALAXY CLUSTERS. Odessa Astronomical Publications, 2018, 31, 29-32.	0.2	0
1263	Black Holes Across Cosmic History: A Journey Through 13.8 Billion Years. Saas-Fee Advanced Course, 2019, , 159-212.	1.1	0
1264	Astrophysics from the 21 cm Background. , 0, , .		0
1265	Assembly Conformity of Structure Growth: Fossil versus Normal Groups of Galaxies. Astrophysical Journal, 2020, 898, 39.	1.6	3
1266	Substructure in the Globular Cluster Populations of the Virgo Cluster Elliptical Galaxies M84 and M86. Astrophysical Journal, 2020, 900, 45.	1.6	2

#	ARTICLE	IF	CITATIONS
1267	Galaxy And Mass Assembly (GAMA): The Merging Potential of Brightest Group Galaxies. <i>Astrophysical Journal</i> , 2021, 921, 47.	1.6	3
1268	Substructures in the Galaxy Clusters in Rich Regions. <i>Astronomy Reports</i> , 2021, 65, 1002-1006.	0.2	1
1269	AGN Lifetimes in UV-selected Galaxies: A Clue to Supermassive Black Hole-galaxy Coevolution. <i>Research in Astronomy and Astrophysics</i> , 2022, 22, 015010.	0.7	3
1270	Not all peaks are created equal: the early growth of supermassive black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 3043-3064.	1.6	4
1271	Active galactic nucleus feedback in an elliptical galaxy with the most updated AGN physics: Parameter explorations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 398-410.	1.6	5
1272	Group-scale intrinsic galaxy alignments in the Illustris-TNG and MassiveBlack-II simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 5859-5872.	1.6	7
1273	A machine learning approach to mapping baryons on to dark matter haloes using the <i>eagle</i> and <i>C-EAGLE</i> simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 5046-5061.	1.6	20
1274	Do AGN triggering mechanisms vary with radio power? II. The importance of mergers as a function of radio power and optical luminosity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 1163-1183.	1.6	12
1275	Reflexivity. , 2020, , 63-117.		0
1276	Deep Extragalactic Visible Legacy Survey (DEVILS): identification of AGN through SED fitting and the evolution of the bolometric AGN luminosity function. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 4940-4961.	1.6	20
1277	Deep Extragalactic Visible Legacy Survey (DEVILS): evolution of the \dot{M}_{SFR} relation and implications for self-regulated star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 4392-4410.	1.6	9
1278	Quenched, bulge-dominated, but dynamically cold galaxies in IllustrisTNG and their real-world counterparts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 5062-5074.	1.6	2
1279	Massive black hole evolution models confronting the n-Hz amplitude of the stochastic gravitational wave background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 3488-3503.	1.6	22
1280	Gas flows in galaxy mergers: supersonic turbulence in bridges, accretion from the circumgalactic medium, and metallicity dilution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 2720-2735.	1.6	18
1281	Supermassive black holes in cosmological simulations II: the AGN population and predictions for upcoming X-ray missions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 3015-3042.	1.6	27
1282	Probabilistic model for dynamic galaxy decomposition. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 1764-1778.	1.6	4
1283	From large-scale environment to CGM angular momentum to star forming activities II. Quenched galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	12
1284	The Impact of Baryonic Physics on the Abundance, Clustering, and Concentration of Halos. <i>Astrophysical Journal</i> , 2021, 921, 112.	1.6	16

#	ARTICLE	IF	CITATIONS
1285	Acausality in superfluid dark matter and MOND-like theories. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 015.	1.9	5
1286	Cosmological Vlasov-Poisson equations for dark matter. <i>Reviews of Modern Plasma Physics</i> , 2021, 5, 1.	2.2	8
1287	Growth of linear perturbations in a universe with superfluid dark matter. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 034-034.	1.9	3
1288	IllustrisTNG and S2COSMOS: possible conflicts in the evolution of neutral gas and dust. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 871-888.	1.6	3
1289	Stellar and weak lensing profiles of massive galaxies in the Hyper-Suprime Cam survey and in hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 432-447.	1.6	15
1290	Basic considerations for the observability of kinematically offset binary AGN. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 4065-4077.	1.6	11
1291	Stacking redshifted 21-cm images of H ₂ regions around high-redshift galaxies as a probe of early reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 146-156.	1.6	3
1292	Non-isotropic feedback from accreting spinning black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 4788-4800.	1.6	7
1293	Low-redshift quasars in the SDSS Stripe 82 II. Associated companion galaxies and signature of star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 419-439.	1.6	2
1294	Quenching and morphological evolution due to circumgalactic gas expulsion in a simulated galaxy with a controlled assembly history. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 236-253.	1.6	18
1295	Observed structural parameters of EAGLE galaxies: reconciling the mass-size relation in simulations with local observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2544-2564.	1.6	29
1296	Dynamical friction modelling of massive black holes in cosmological simulations and effects on merger rate predictions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 531-550.	1.6	30
1297	An analytic hybrid halo + perturbation theory model for small-scale correlators: baryons, halos, and galaxies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 026.	1.9	2
1298	Detection of the Mass-dependent Dual Type Transition of Galaxy Spins in IllustrisTNG Simulations. <i>Astrophysical Journal</i> , 2021, 922, 6.	1.6	8
1299	Cosmology from clustering, cosmic shear, CMB lensing, and cross correlations: combining Rubin observatory and Simons Observatory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 5721-5736.	1.6	9
1300	Impact of gas spin and Lyman-Werner flux on black hole seed formation in cosmological simulations: implications for direct collapse. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 177-196.	1.6	3
1301	Cosmological boost factor for dark matter annihilation at redshifts of $z=10^{\sim}100$ using the power spectrum approach. <i>Physical Review D</i> , 2021, 104, .	1.6	2
1302	Self-interacting dark matter and small-scale gravitational lenses in galaxy clusters. <i>Physical Review D</i> , 2021, 104, .	1.6	17

#	ARTICLE	IF	CITATIONS
1303	How gas flows shape the stellar halo mass relation in the <i>eagle</i> simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2948-2967.	1.6	12
1304	Multiple stellar populations in Schwarzschild modeling and the application to the Fornax dwarf. <i>Astronomy and Astrophysics</i> , 2022, 659, A119.	2.1	1
1305	AGN Selection Methods Have Profound Impacts on the Distributions of Host-galaxy Properties. <i>Astrophysical Journal</i> , 2022, 925, 74.	1.6	15
1306	High-redshift predictions from IllustrisTNG III. Infrared luminosity functions, obscured star formation, and dust temperature of high-redshift galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 5560-5578.	1.6	26
1307	The evolution of barred galaxies in the EAGLE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 5164-5178.	1.6	12
1308	The quenching of galaxies, bulges, and disks since cosmic noon. <i>Astronomy and Astrophysics</i> , 2022, 659, A160.	2.1	33
1309	The low-end of the black hole mass function at cosmic dawn. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 616-640.	1.6	29
1310	Hunting for massive black holes in dwarf galaxies. <i>Nature Astronomy</i> , 2022, 6, 26-34.	4.2	25
1311	The <i>thesan</i> project: properties of the intergalactic medium and its connection to reionization-era galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 4909-4933.	1.6	44
1312	Realistic galaxy image simulation via score-based generative models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1808-1818.	1.6	13
1313	The three hundred project: galaxy cluster mergers and their impact on the stellar component of brightest cluster galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2897-2913.	1.6	9
1314	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> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 3751-3767.	1.6	27
1315	Mass of the dynamically hot inner stellar halo predicts the ancient accreted stellar mass. <i>Astronomy and Astrophysics</i> , 2022, 660, A20.	2.1	15
1316	Black hole galaxy scaling relations in FIRE: the importance of black hole location and mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 506-535.	1.6	15
1317	Predictions for local PNG bias in the galaxy power spectrum and bispectrum and the consequences for f_{NL} constraints. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 033.	1.9	28
1318	Impact of Cosmic Filaments on the Gas Accretion Rate of Dark Matter Halos. <i>Astrophysical Journal</i> , 2022, 924, 132.	1.6	3
1319	Dark Energy Survey Year 3 results: Cosmology from cosmic shear and robustness to modeling uncertainty. <i>Physical Review D</i> , 2022, 105, .	1.6	145
1320	A fully Lagrangian, non-parametric bias model for dark matter halos. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 002.	1.9	2

#	ARTICLE	IF	CITATIONS
1321	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
1322	The ASTRID simulation: the evolution of supermassive black holes. Monthly Notices of the Royal Astronomical Society, 2022, 513, 670-692.	1.6	47
1323	Predictions for LISA and PTA based on SHARK galaxy simulations. Astronomy and Astrophysics, 2022, 660, A68.	2.1	5
1324	Toward Accurate Modeling of Galaxy Clustering on Small Scales: Constraining the Galaxy-halo Connection with Optimal Statistics. Astrophysical Journal, 2022, 926, 15.	1.6	6
1325	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
1326	Large-scale dark matter simulations. Living Reviews in Solar Physics, 2022, 8, 1.	5.0	57
1327	The impact of dust on the sizes of galaxies in the Epoch of Reionization. Monthly Notices of the Royal Astronomical Society, 2022, 511, 5475-5491.	1.6	15
1328	The Close AGN Reference Survey (CARS). Astronomy and Astrophysics, 2022, 659, A125.	2.1	15
1329	The galaxyâ€ˆhalo size relation of low-mass galaxies in FIRE. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3967-3985.	1.6	13
1330	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
1331	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
1332	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
1333	IQ Collaboratory. III. The Empirical Dust Attenuation Frameworkâ€ˆTaking Hydrodynamical Simulations with a Grain of Dust. Astrophysical Journal, 2022, 926, 122.	1.6	10
1334	Fast, Slow, Early, Late: Quenching Massive Galaxies at $z \sim 0.8$. Astrophysical Journal, 2022, 926, 134.	1.6	70
1335	RAMSES-RTZ: non-equilibrium metal chemistry and cooling coupled to on-the-fly radiation hydrodynamics. Monthly Notices of the Royal Astronomical Society, 2022, 512, 348-365.	1.6	13
1336	Self-interacting dark matter in cosmology: accurate numerical implementation and observational constraints. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 024.	1.9	3
1337	The NewHorizon simulation â€ˆto bar or not to bar. Monthly Notices of the Royal Astronomical Society, 2022, 512, 160-185.	1.6	17
1338	The LEGA-C of Nature and Nurture in Stellar Populations at $z \sim 0.6-1.0$: $D <_{sub>n</sub>} <_{sub>4000</sub>}$ and $H\alpha$ Reveal Different Assembly Histories for Quiescent Galaxies in Different Environments. Astrophysical Journal, 2022, 926, 117.	1.6	8

#	ARTICLE	IF	CITATIONS
1339	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
1340	Deep Realistic Extragalactic Model (DREaM) Galaxy Catalogs: Predictions for a Roman Ultra-deep Field. Astrophysical Journal, 2022, 926, 194.	1.6	16
1341	Using artificial intelligence and real galaxy images to constrain parameters in galaxy formation simulations. Monthly Notices of the Royal Astronomical Society, 2022, 512, 2135-2141.	1.6	1
1342	Uncertainties in supernova input rates drive qualitative differences in simulations of galaxy evolution. Monthly Notices of the Royal Astronomical Society, 2022, 512, 199-215.	1.6	16
1343	Detecting Preheating in Protoclusters with Ly α Forest Tomography. Astrophysical Journal, 2022, 927, 53.	1.6	5
1344	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
1345	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
1346	Performance Enhancement of Tree-based Friends-of-friends Galaxy Finder for High-resolution Simulations of Galaxy Formation. Astrophysical Journal, 2022, 927, 129.	1.6	0
1347	Cold and hot gas distribution around the Milky-Way α M31 system in the HESTIA simulations. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3717-3737.	1.6	9
1348	Quenching of Massive Disk Galaxies in the IllustrisTNG Simulation. Astrophysical Journal, 2022, 928, 100.	1.6	9
1349	Galaxy-galaxy strong lens perturbations: line-of-sight haloes versus lens subhaloes. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5862-5873.	1.6	10
1350	Repeated Mergers, Mass-gap Black Holes, and Formation of Intermediate-mass Black Holes in Dense Massive Star Clusters. Astrophysical Journal, 2022, 927, 231.	1.6	53
1351	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
1352	Galactic angular momentum in the IllustrisTNG simulation α I. Connection to morphology, halo spin, and black hole mass. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5978-5994.	1.6	21
1353	The Lyman- α forest 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
1354	SDSS IV MaNGA: visual morphological and statistical characterization of the DR15 sample. Monthly Notices of the Royal Astronomical Society, 2022, 512, 2222-2244.	1.6	12
1355	Formation and fate of low-metallicity stars in TNG50. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3602-3615.	1.6	4
1356	High and low S α 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

#	ARTICLE	IF	CITATIONS
1357	Galaxy Flows within 8000 km s ⁻¹ from Numerical Action Methods. <i>Astrophysical Journal</i> , 2022, 927, 168.	1.6	4
1358	The impact of galaxy selection on the splashback boundaries of galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 835-852.	1.6	8
1359	TDCOSMO. <i>Astronomy and Astrophysics</i> , 2022, 659, A127.	2.1	18
1360	A novel cosmic filament catalogue from SDSS data. <i>Astronomy and Astrophysics</i> , 2022, 659, A166.	2.1	9
1361	The LEGA-C and SAMI galaxy surveys: quiescent stellar populations and the mass-size plane across 6â€‰%Gyr. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3828-3845.	1.6	15
1362	The ASTRID simulation: galaxy formation and reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3703-3716.	1.6	43
1363	Direct detection of mirror matter in Twin Higgs models. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	14
1364	Statistics of galaxy mergers: bridging the gap between theory and observation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 5918-5937.	1.6	17
1365	Lensing Magnification Seen by Gravitational Wave Detectors. <i>Universe</i> , 2022, 8, 19.	0.9	4
1366	The impact of black hole feedback on the UV luminosity and stellar mass assembly of high-redshift galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 5661-5675.	1.6	7
1367	Introducing the <i>thesan</i> project: radiation-magnetohydrodynamic simulations of the epoch of reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 4005-4030.	1.6	88
1368	A Comparison of Circumgalactic Mg ii Absorption between the TNG50 Simulation and the MEGAFLOW Survey. <i>Astrophysical Journal</i> , 2021, 923, 56.	1.6	12
1369	Testing the Relationship between Bursty Star Formation and Size Fluctuations of Local Dwarf Galaxies. <i>Astrophysical Journal</i> , 2021, 922, 217.	1.6	11
1370	swift-emulator: A Python package for emulation of simulated scaling relations. <i>Journal of Open Source Software</i> , 2022, 7, 4240.	2.0	6
1371	Apostleâ€™Auriga: effects of different subgrid models on the baryon cycle around Milky Way-mass galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 3113-3138.	1.6	12
1372	On the environmental influence of groups and clusters of galaxies beyond the virial radius: Galactic conformity at few Mpc scales. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 2271-2284.	1.6	12
1373	On the detectability of massive black hole merger events by Laser Interferometry Space Antenna. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 6007-6020.	1.6	4
1374	Being KLEVER at cosmic noon: Ionized gas outflows are inconspicuous in low-mass star-forming galaxies but prominent in massive AGN hosts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 2535-2562.	1.6	20

#	ARTICLE	IF	CITATIONS
1375	North Ecliptic Pole merging galaxy catalogue. <i>Astronomy and Astrophysics</i> , 2022, 661, A52.	2.1	12
1376	COSMOS2020: Cosmic evolution of the stellar-to-halo mass relation for central and satellite galaxies up to $z \approx 5$. <i>Astronomy and Astrophysics</i> , 2022, 664, A61.	2.1	24
1377	Radiation-magnetohydrodynamics simulations of cosmic ray feedback in disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 5000-5019.	1.6	16
1378	NIHAO XXVIII. Collateral effects of AGN on dark matter concentration and stellar kinematics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 5307-5319.	1.6	1
1379	Yellow Post-asymptotic-giant-branch Stars as Standard Candles. I. Calibration of the Luminosity Function in Galactic Globular Clusters. <i>Astrophysical Journal</i> , 2022, 930, 145.	1.6	3
1380	The Baltimore Oriole's Nest: Cool Winds from the Inner and Outer Parts of a Star-forming Galaxy at $z = 1.3$. <i>Astrophysical Journal</i> , 2022, 930, 146.	1.6	7
1381	Cosmological simulations predict that AGN preferentially live in gas-rich, star-forming galaxies despite effective feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 2936-2957.	1.6	31
1382	LyMAS reloaded: improving the predictions of the large-scale Lyman- α forest statistics from dark matter density and velocity fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 3222-3245.	1.6	5
1383	Ram pressure stripping in high-density environments. <i>Astronomy and Astrophysics Review</i> , 2022, 30, .	9.1	102
1384	Disc instability and bar formation: view from the IllustrisTNG simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 1006-1020.	1.6	11
1385	Mimicking the halo-galaxy connection using machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 2463-2478.	1.6	13
1386	Massive black hole mergers with orbital information: predictions from the ASTRID simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 2220-2238.	1.6	9
1387	Coevolution of Brightest Cluster Galaxies and Their Host Clusters in IllustrisTNG. <i>Astrophysical Journal</i> , 2022, 931, 31.	1.6	2
1388	A Simulation-driven Deep Learning Approach for Separating Mergers and Star-forming Galaxies: The Formation Histories of Clumpy Galaxies in All of the CANDELS Fields. <i>Astrophysical Journal</i> , 2022, 931, 34.	1.6	7
1389	Early-type galaxy density profiles from IllustrisTNG III. Effects on outer kinematic structure. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 6134-6151.	1.6	3
1390	The Next Generation Virgo Cluster Survey. XXXIII. Stellar Population Gradients in the Virgo Cluster Core Globular Cluster System. <i>Astrophysical Journal</i> , 2022, 931, 120.	1.6	3
1391	The black hole population in low-mass galaxies in large-scale cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 4912-4931.	1.6	11
1392	The formation of low surface brightness galaxies in the IllustrisTNG simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 5840-5852.	1.6	8

#	ARTICLE	IF	CITATIONS
1393	Priors on Lagrangian bias parameters from galaxy formation modelling. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5443-5456.	1.6	11
1394	Constraining baryonic feedback and cosmology with weak-lensing, X-ray, and kinematic Sunyaev-Zeldovich observations. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3802-3814.	1.6	16
1395	Empirically motivated early feedback: momentum input by stellar feedback in galaxy simulations inferred through observations. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5355-5374.	1.6	11
1396	The formation of the first quasars: the black hole seeds, accretion, and feedback models. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5583-5606.	1.6	10
1397	The <sc>thesan</sc> project: predictions for multitracer line intensity mapping in the epoch of reionization. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3857-3878.	1.6	31
1398	The warm-hot circumgalactic medium around EAGLE-simulation galaxies and its detection prospects with X-ray-line emission. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5214-5237.	1.6	12
1399	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
1400	Morphological decomposition of TNG50 galaxies: methodology and catalogue. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1524-1543.	1.6	12
1401	Stellar Halos from the The Dragonfly Edge-on Galaxies Survey. Astrophysical Journal, 2022, 932, 44.	1.6	7
1402	Formation Channels of Single and Binary Stellar-Mass Black Holes. , 2022, , 705-769.		2
1403	Consequences of the lack of azimuthal freedom in the modeling of lensing galaxies. Astronomy and Astrophysics, 2022, 663, A179.	2.1	10
1404	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
1405	Groups and Protocluster Candidates in the CLAUDS and HSC-SSP Joint Deep Surveys. Astrophysical Journal, 2022, 933, 9.	1.6	9
1406	Chemical Evolution of the Universe and its Consequences for Gravitationalâ€Wave Astrophysics. Annalen Der Physik, 2024, 536, .	0.9	1
1407	Merger Rates of Intermediate-mass Black Hole Binaries in Nuclear Star Clusters. Astrophysical Journal, 2022, 933, 170.	1.6	13
1408	The Low-redshift Ly \pm Forest as a Constraint for Models of AGN Feedback. Astrophysical Journal Letters, 2022, 933, L46.	3.0	8
1409	The Circumgalactic Medium from the CAMELS Simulations: Forecasting Constraints on Feedback Processes from Future Sunyaev-Zeldovich Observations. Astrophysical Journal, 2022, 933, 133.	1.6	11
1410	SDSS-IV MaNGA: How the Stellar Populations of Passive Central Galaxies Depend on Stellar and Halo Mass. Astrophysical Journal, 2022, 933, 88.	1.6	5

#	ARTICLE	IF	CITATIONS
1411	A stochastic model to reproduce the star formation history of individual galaxies in hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 3249-3269.	1.6	3
1412	Determining active galactic nucleus luminosity histories using present-day outflow properties: a neural network-based approach. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 1705-1722.	1.6	3
1413	Concordance between Observations and Simulations in the Evolution of the Mass Relation between Supermassive Black Holes and Their Host Galaxies. <i>Astrophysical Journal</i> , 2022, 933, 132.	1.6	6
1414	The Pristine dwarf galaxy survey â€“ IV. Probing the outskirts of the dwarf galaxy BoÃ¶tesÂ€. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 2348-2362.	1.6	15
1415	Dark energy survey year 3 results: cosmological constraints from the analysis of cosmic shear in harmonic space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 1942-1972.	1.6	27
1416	Modeling Evolution of Galactic Bars at Cosmic Dawn. <i>Astrophysical Journal</i> , 2022, 934, 52.	1.6	9
1417	Modelling the galaxyâ€“halo connection with machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 2733-2746.	1.6	18
1418	DeepAdversaries: examining the robustness of deep learning models for galaxy morphology classification. <i>Machine Learning: Science and Technology</i> , 2022, 3, 035007.	2.4	9
1419	Assessment of Dark Matter Models Using Dark Matter Correlations across Dwarf Spheroidal Galaxies. <i>Universe</i> , 2022, 8, 386.	0.9	1
1420	Constraining galaxyâ€“halo connection with high-order statistics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 6133-6150.	1.6	1
1421	Reaching for the Edge I: probing the outskirts of massive galaxies with HSC, DECaLS, SDSS, and Dragonfly. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 5335-5357.	1.6	9
1422	Redshift and stellar mass dependence of intrinsic shapes of disc-dominated galaxies from COSMOS observations below $z = 1.0$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 3603-3631.	1.6	1
1423	The impact of galactic feedback on the shapes of dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 2681-2697.	1.6	11
1424	Predictions for the X-ray circumgalactic medium of edge-on discs and spheroids. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	3
1425	The Intermediate-ionization Lines as Virial Broadening Estimators for Population A Quasars*. <i>Astrophysical Journal, Supplement Series</i> , 2022, 261, 30.	3.0	8
1426	Impact of H ₂ -driven star formation and stellar feedback from low-enrichment environments on the formation of spiral galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 1128-1147.	1.6	3
1427	The bluetides mock image catalogue: simulated observations of high-redshift galaxies and predictions for JWST imaging surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 1047-1061.	1.6	4
1428	Galaxy And Mass Assembly (GAMA): bulge-disc decomposition of KiDS data in the nearby Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 942-974.	1.6	12

#	ARTICLE	IF	CITATIONS
1429	UV to submillimetre luminosity functions of TNG50 galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 516, 3728-3749.	1.6	9
1430	Supermassive black holes at high redshift are expected to be obscured by their massive host galaxiesâ€™ interstellar medium. Astronomy and Astrophysics, 2022, 666, A17.	2.1	27
1431	How baryons affect haloes and large-scale structure: a unified picture from the <scp>Simba</scp> simulation. Monthly Notices of the Royal Astronomical Society, 2022, 516, 883-906.	1.6	22
1432	MOND and meta-empirical theory assessment. SynthÃˆse, 2022, 200, .	0.6	4
1433	Galaxies and haloes on graph neural networks: Deep generative modelling scalar and vector quantities for intrinsic alignment. Monthly Notices of the Royal Astronomical Society, 2022, 516, 2406-2419.	1.6	2
1434	The feasibility of constraining DM interactions with high-redshift observations by <i>JWST</i>. Monthly Notices of the Royal Astronomical Society, 2022, 516, 1524-1538.	1.6	6
1435	Improving Black Hole Accretion Treatment in Hydrodynamical Simulations. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	0
1436	Galaxy formation in the Santa Cruz semi-analytic model compared with IllustrisTNG â€™ I. Galaxy scaling relations, dispersions, and residuals at <i>z</i> = 0. Monthly Notices of the Royal Astronomical Society, 2022, 517, 6091-6111.	1.6	10
1437	Probing the <i>z</i> ~ 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
1438	Can Cooling and Heating Functions Be Modeled with Homogeneous Radiation Fields?. Astrophysical Journal, 2022, 936, 50.	1.6	3
1439	VINTERGATAN IV: Cosmic phases of star formation in Milky Way-like galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 516, 2272-2279.	1.6	11
1440	X-ray morphology of cluster-mass haloes in self-interacting dark matter. Monthly Notices of the Royal Astronomical Society, 2022, 516, 1302-1319.	1.6	4
1441	Reconstructing the Assembly of Massive Galaxies. I. The Importance of the Progenitor Effect in the Observed Properties of Quiescent Galaxies at $z \sim 2$. Astrophysical Journal, 2022, 935, 120.	1.6	15
1442	Conditional colourâ€™ magnitude distribution of central galaxies in galaxy formation models. Monthly Notices of the Royal Astronomical Society, 2022, 516, 4276-4292.	1.6	2
1443	The mergerâ€™ starburst connection across cosmic times. Monthly Notices of the Royal Astronomical Society, 2022, 516, 4922-4931.	1.6	9
1444	Galaxyâ€™ galaxy lensing in the VOICE deep survey. Astronomy and Astrophysics, 2022, 668, A12.	2.1	2
1445	Testing strong lensing subhalo detection with a cosmological simulation. Monthly Notices of the Royal Astronomical Society, 2022, 518, 220-239.	1.6	5
1446	A non-linear solution to the <i>S</i>8 tension?. Monthly Notices of the Royal Astronomical Society, 2022, 516, 5355-5366.	1.6	48

#	ARTICLE	IF	CITATIONS
1447	Exploring the Fate of Stellar Core Collapse with Supernova Relic Neutrinos. <i>Astrophysical Journal</i> , 2022, 937, 30.	1.6	5
1448	Constraining SIDM with halo shapes: Revisited predictions from realistic simulations of early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 4543-4559.	1.6	9
1449	Lack of influence of the environment in the earliest stages of massive galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	0
1450	Anisotropic satellite accretion on to the Local Group with HESTIA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 4576-4584.	1.6	4
1452	Empirical scenaria of galaxy evolution. <i>Physics-Uspekh</i> i, 0, , .	0.8	1
1453	Line-intensity mapping: theory review with a focus on star-formation lines. <i>Astronomy and Astrophysics Review</i> , 2022, 30, .	9.1	28
1454	The merger and assembly histories of Milky Way- and M31-like galaxies with TNG50: disc survival through mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 5404-5427.	1.6	19
1455	IllustrisTNG Snapshots for 10 Gyr of Dynamical Evolution of Brightest Cluster Galaxies and Their Host Clusters. <i>Astrophysical Journal</i> , 2022, 938, 3.	1.6	3
1456	Modelling globular clusters in the TNG50 simulation: predictions from dwarfs to giant galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 2453-2470.	1.6	3
1457	Simulations of black hole fueling in isolated and merging galaxies with an explicit, multiphase ISM. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 4752-4767.	1.6	5
1458	The stability of galaxies in an expanding universe obtained by Newtonian dynamics. <i>Classical and Quantum Gravity</i> , 0, , .	1.5	0
1460	<sc>Trinity</sc> I: self-consistently modelling the dark matter haloâ€™galaxyâ€™supermassive black hole connection from $z=0\text{--}10$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 2123-2163.	1.6	19
1461	Constraining the Fluctuating Gunnâ€™Peterson Approximation using Ly α Forest Tomography at $z = 2$. <i>Astrophysical Journal</i> , 2022, 938, 123.	1.6	3
1462	Shedding light on low-mass subhalo survival and annihilation luminosity with numerical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 93-110.	1.6	5
1463	DEVILS: cosmic evolution of SED-derived metallicities and their connection to star formation histories. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 6035-6059.	1.6	11
1464	From Clusters to Proto-Clusters: The Infrared Perspective on Environmental Galaxy Evolution. <i>Universe</i> , 2022, 8, 554.	0.9	11
1465	Accelerated Bayesian SED Modeling Using Amortized Neural Posterior Estimation. <i>Astrophysical Journal</i> , 2022, 938, 11.	1.6	14
1466	The contribution of $in\ situ$ and $ex\ situ$ star formation in early-type galaxies: MaNGA versus IllustrisTNG. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 5651-5670.	1.6	9

#	ARTICLE	IF	CITATIONS
1467	Unveiling the main sequence of galaxies at $z \approx 5$ with the JWST: predictions from simulations. Monthly Notices of the Royal Astronomical Society, 2022, 518, 456-476.	1.6	7
1468	scosce: a cosmic web finder for spherical and conic geometries. Monthly Notices of the Royal Astronomical Society, 2022, 517, 1197-1217.	1.6	1
1469	The dispersion measure of Fast Radio Bursts host galaxies: estimation from cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2022, 518, 539-561.	1.6	3
1470	Consistent lensing and clustering in a low- σ_8 Universe with BOSS, DES Year 3, HSC Year 1, and KiDS-1000. Monthly Notices of the Royal Astronomical Society, 2022, 518, 477-503.	1.6	33
1471	Subaru HSC weak lensing of SDSS redMaPPer cluster satellite galaxies: empirical upper limit on orphan fractions. Monthly Notices of the Royal Astronomical Society, 2022, 517, 4389-4404.	1.6	1
1472	Machine learning methods to estimate observational properties of galaxy clusters in large volume cosmological N -body simulations. Monthly Notices of the Royal Astronomical Society, 2022, 518, 111-129.	1.6	9
1473	A Semianalytical Line Transfer Model. III. Galactic Inflows. Astrophysical Journal, 2022, 939, 47.	1.6	4
1474	Constraining the baryonic feedback with cosmic shear using the DES Year-3 small-scale measurements. Monthly Notices of the Royal Astronomical Society, 2022, 518, 5340-5355.	1.6	13
1475	The Three Hundred Project: Connection between star formation quenching and dynamical evolution in and around simulated galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2022, 518, 2398-2417.	1.6	7
1476	The buildup of galaxies and their spheroids: The contributions of mergers, disc instabilities, and star formation. Monthly Notices of the Royal Astronomical Society, 2022, 518, 5323-5339.	1.6	6
1477	$z \approx 9$ Galaxies Magnified by the Hubble Frontier Field Clusters. II. Luminosity Functions and Constraints on a Faint-end Turnover. Astrophysical Journal, 2022, 940, 55.	1.6	32
1478	Molecular Gas Reservoirs in Massive Quiescent Galaxies at $z \approx 0.7$ Linked to Late-time Star Formation. Astrophysical Journal, 2022, 940, 39.	1.6	9
1479	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
1480	From Galactic chemical evolution to cosmic supernova rates synchronized with core-collapse supernovae limited to the narrow progenitor mass range. Monthly Notices of the Royal Astronomical Society, 2022, 518, 3475-3481.	1.6	4
1481	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
1482	Mesh-free hydrodynamics in pkdgrav3 for galaxy formation simulations. Monthly Notices of the Royal Astronomical Society, 2022, 519, 300-317.	1.6	3
1483	BUDHES V: the baryonic Tully-Fisher relation at $z \approx 0.2$ based on direct $H\alpha$ detections. Monthly Notices of the Royal Astronomical Society, 2023, 519, 4279-4302.	1.6	3
1484	Predicting sub-millimetre flux densities from global galaxy properties. Monthly Notices of the Royal Astronomical Society, 2022, 518, 5522-5535.	1.6	10

#	ARTICLE	IF	CITATIONS
1485	Modeling cosmic reionization. <i>Living Reviews in Solar Physics</i> , 2022, 8, .	5.0	12
1486	Simulated Bars May Be Shorter but Are Not Slower Than Those Observed: TNG50 versus MaNGA. <i>Astrophysical Journal</i> , 2022, 940, 61.	1.6	13
1487	The galaxy size to halo spin relation of disc galaxies in cosmological hydrodynamical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 5253-5259.	1.6	4
1488	What Are Those Tiny Things? A First Study of Compact Star Clusters in the SMACS0723 Field with JWST. <i>Astrophysical Journal Letters</i> , 2022, 941, L11.	3.0	4
1489	A Direct Measurement of Galaxy Major and Minor Merger Rates and Stellar Mass Accretion Histories at $Z \approx 3$ Using Galaxy Pairs in the REFINE Survey. <i>Astrophysical Journal</i> , 2022, 940, 168.	1.6	9
1490	The physical origin of galactic conformity: from theory to observation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 519, 1913-1930.	1.6	6
1491	Star Formation History and Transition Epoch of Cluster Galaxies Based on the Horizon-AGN Simulation. <i>Astrophysical Journal</i> , 2022, 941, 5.	1.6	1
1492	Unravelling the interplay between SIDM and baryons in MW haloes: defining where baryons dictate heat transfer. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 519, 5623-5636.	1.6	5
1493	Mangrove: Learning Galaxy Properties from Merger Trees. <i>Astrophysical Journal</i> , 2022, 941, 7.	1.6	10
1494	Spatial field reconstruction with INLA. Application to simulated galaxies. <i>Astronomy and Astrophysics</i> , 0, , .	2.1	1
1495	DS+: A method for the identification of cluster substructures. <i>Astronomy and Astrophysics</i> , 0, , .	2.1	1
1496	Accuracy and precision of triaxial orbit models I: SMBH mass, stellar mass, and dark-matter halo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 519, 2004-2016.	1.6	7
1497	The origin of stars in the inner 500 parsecs in TNG50 galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 519, 5202-5235.	1.6	5
1498	The circumgalactic medium of Milky Way-like galaxies in the TNG50 simulation â€œ I: halo gas properties and the role of SMBH feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 5754-5777.	1.6	18
1499	Exploring Realistic Nanohertz Gravitational-wave Backgrounds. <i>Astrophysical Journal</i> , 2022, 941, 119.	1.6	17
1500	The interconnection between galaxy mergers, AGN activity, and rapid quenching of star formation in simulated post-merger galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 519, 2119-2137.	1.6	6
1502	Constraining galactic baryon cycle using the galaxy Stellar-to-Halo Mass Relations. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	0
1503	Redshift evolution of galaxy group X-ray properties in the <sc>Simba</sc> simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 5826-5842.	1.6	2

#	ARTICLE	IF	CITATIONS
1504	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
1505	Initial episodes of chemical evolution of intergalactic medium. Physics-Usppekhi, 0, , .	0.8	0
1506	The Cosmic Forms. Palgrave Frontiers in Philosophy of Religion, 2023, , 85-119.	0.4	0
1507	Conditional H I Mass Functions and the H I-to-halo Mass Relation in the Local Universe. Astrophysical Journal, 2022, 941, 48.	1.6	7
1508	Colour gradients of low-redshift galaxies in the DESI Legacy Imaging Survey. Monthly Notices of the Royal Astronomical Society, 2022, 518, 3999-4023.	1.6	2
1509	Evidence of extended cold molecular gas and dust haloes around $z \sim 2.3$ extremely red quasars with ALMA. Monthly Notices of the Royal Astronomical Society, 2023, 519, 5246-5262.	1.6	5
1510	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
1511	Close encounters of tight binary stars with stellar-mass black holes. Monthly Notices of the Royal Astronomical Society, 2023, 519, 5787-5799.	1.6	5
1512	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
1513	The impact of spurious collisional heating on the morphological evolution of simulated galactic discs. Monthly Notices of the Royal Astronomical Society, 2023, 519, 5942-5961.	1.6	12
1514	Effects of Active Galactic Nucleus Feedback on Cold Gas Depletion and Quenching of Central Galaxies. Astrophysical Journal, 2022, 941, 205.	1.6	5
1515	Simulating Hydrodynamics in Cosmology with CRK-HACC. Astrophysical Journal, Supplement Series, 2023, 264, 34.	3.0	6
1516	The internal metallicity distributions of simulated galaxies from EAGLE, Illustris, and IllustrisTNG at $\langle i \rangle z \langle /i \rangle \hat{A}=\hat{A}1.8\hat{A}€“4$ as probed by gamma-ray burst hosts. Monthly Notices of the Royal Astronomical Society, 2023, 520, 879-896.	1.6	2
1517	Consistent and simultaneous modelling of galaxy clustering and galaxy galaxy lensing with subhalo abundance matching. Monthly Notices of the Royal Astronomical Society, 2023, 520, 489-502.	1.6	9
1518	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
1519	MOCCA-Survey Database: extra galactic globular clusters III. The population of black holes in Milky Way and Andromeda-like galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 520, 2593-2610.	1.6	2
1520	REQUIEM-2D: A Diversity of Formation Pathways in a Sample of Spatially Resolved Massive Quiescent Galaxies at $z \hat{A}^1/4 2$. Astrophysical Journal, 2023, 943, 179.	1.6	5
1521	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

#	ARTICLE	IF	CITATIONS
1522	Standard Model of Cosmology. Springer Theses, 2022, , 73-176.	0.0	0
1523	The Supersonic Project: The Early Evolutionary Path of Supersonically Induced Gas Objects. Astrophysical Journal, 2023, 943, 132.	1.6	4
1524	Orbital and radiative properties of wandering intermediate-mass black holes in the ASTRID simulation. Monthly Notices of the Royal Astronomical Society, 2023, 520, 3955-3963.	1.6	1
1525	The fragility of thin discs in galaxies – I. Building tailored N -body galaxy models. Monthly Notices of the Royal Astronomical Society, 2023, 520, 4490-4501.	1.6	1
1526	Can Cosmological Simulations Reproduce the Spectroscopically Confirmed Galaxies Seen at $z \approx 10$?. Astrophysical Journal Letters, 2023, 943, L28.	3.0	11
1527	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
1528	SUPER VII. morphology and kinematics of $H\alpha$ emission in AGN host galaxies at cosmic noon using SINFONI. Monthly Notices of the Royal Astronomical Society, 2023, 520, 5783-5802.	1.6	4
1529	Calibrating Cosmological Simulations with Implicit Likelihood Inference Using Galaxy Growth Observables. Astrophysical Journal, 2023, 944, 67.	1.6	6
1530	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
1531	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
1532	Cosmic web & caustic skeleton: non-linear constrained realizations – 2D case studies. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 058.	1.9	3
1533	The DESI Probabilistic Value-added Bright Galaxy Survey (PROVABGS) Mock Challenge. Astrophysical Journal, 2023, 945, 16.	1.6	8
1534	The Supersonic Project: The Eccentricity and Rotational Support of SIGOs and DM GHOSTs. Astrophysical Journal, 2023, 945, 6.	1.6	3
1535	Main Sequence and Quenching of Star Formation based on Simulations from IllustrisTNG. Journal of Physics: Conference Series, 2023, 2441, 012029.	0.3	0
1536	New dwarf galaxy candidates in the sphere of influence of the Local Volume spiral galaxy NGC2683. Monthly Notices of the Royal Astronomical Society, 2023, 521, 4009-4023.	1.6	2
1537	INFERNO: Galactic winds in dwarf galaxies with star-by-star simulations including runaway stars. Monthly Notices of the Royal Astronomical Society, 2023, 521, 2196-2214.	1.6	12
1538	The SAMI Galaxy Survey: Environmental analysis of the orbital structures of passive galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 521, 2671-2691.	1.6	4
1539	Astrophysics with the Laser Interferometer Space Antenna. Living Reviews in Relativity, 2023, 26, .	8.2	107

#	ARTICLE	IF	CITATIONS
1540	Prospects of probing dark matter condensates with gravitational waves. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 041.	1.9	3
1541	CEERS Key Paper. III. The Diversity of Galaxy Structure and Morphology at $z = 3 \leq z < 9$ with JWST. <i>Astrophysical Journal Letters</i> , 2023, 946, L15.	3.0	28
1542	Expectations of the Size Evolution of Massive Galaxies at $3 \leq z \leq 6$ from the TNG50 Simulation: The CEERS/JWST View. <i>Astrophysical Journal</i> , 2023, 946, 71.	1.6	15
1543	DeepAstroUDA: semi-supervised universal domain adaptation for cross-survey galaxy morphology classification and anomaly detection. <i>Machine Learning: Science and Technology</i> , 2023, 4, 025013.	2.4	5
1544	SimBIG: mock challenge for a forward modeling approach to galaxy clustering. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 010.	1.9	5
1545	Origin and evolution of ultradiffuse galaxies in different environments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 522, 1033-1048.	1.6	9
1546	CosmoDRAGoN simulationsâ€”I. Dynamics and observable signatures of radio jets in cosmological environments. <i>Publications of the Astronomical Society of Australia</i> , 2023, 40, .	1.3	1
1547	Dark against Luminous Matter around Isolated Central Galaxies: A Comparative Study between Modern Surveys and IllustrisTNG. <i>Astrophysical Journal</i> , 2023, 947, 19.	1.6	1
1548	Saying Hallo to M94's Stellar Halo: Investigating the Accretion History of the Largest Pseudobulge Host in the Local Universe. <i>Astrophysical Journal</i> , 2023, 947, 21.	1.6	0
1549	An Atlas of Color-selected Quiescent Galaxies at $z > 3$ in Public JWST Fields. <i>Astrophysical Journal</i> , 2023, 947, 20.	1.6	20
1550	The first quiescent galaxies in TNG300. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 522, 3138-3144.	1.6	5
1551	The circumgalactic medium of Milky Way-like galaxies in the TNG50 simulation â€” II. Cold, dense gas clouds and high-velocity cloud analogs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 522, 1535-1555.	1.6	11
1552	Resonant scattering of the Oâ€”vii X-ray emission line in the circumgalactic medium of TNG50 galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 522, 3665-3678.	1.6	4
1557	Simulations of common-envelope evolution in binary stellar systems: physical models and numerical techniques. <i>Living Reviews in Solar Physics</i> , 2023, 9, .	5.0	22
1568	The Dawn of Black Holes. , 2023, , 1-61.		1
1621	The nature of compact radio sources: the case of FRâ€”0 radio galaxies. <i>Astronomy and Astrophysics Review</i> , 2023, 31, .	9.1	6
1691	The Dawn of Black Holes. , 2024, , 4617-4677.		0