

The formation of disc galaxies in high-resolution moving

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The zCOSMOS redshift survey: evolution of the light in bulges and discs since $z \sim 0.8$. <i>Astronomy and Astrophysics</i> , 2014, 564, L12.	2.1	10
2	Hollow cores in warm dark matter halos from the Vlasov-Poisson equation. <i>Physical Review D</i> , 2014, 90, .	1.6	4
3	The diverse formation histories of simulated disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 3679-3695.	1.6	35
4	Dark MaGICC: the effect of dark energy on disc galaxy formation. <i>Cosmology does matter. Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 176-186.	1.6	27
5	Halo mass and assembly history exposed in the faint outskirts: the stellar and dark matter haloes of Illustris galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 237-249.	1.6	117
6	Diffuse gas properties and stellar metallicities in cosmological simulations of disc galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 3745-3760.	1.6	43
7	A systematic look at the effects of radiative feedback on disc galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 2837-2853.	1.6	69
8	Galaxy formation and chemical enrichment using cosmological hydrodynamic simulations. , 2014, , .		0
9	Introducing the Illustris Project: simulating the coevolution of dark and visible matter in the Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 1518-1547.	1.6	1,694
10	A unified solution to the small scale problems of the Λ CDM model. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 021-021.	1.9	49
11	Reproducing cosmic evolution of galaxy population from $z \sim 4$ to 0. <i>Publication of the Astronomical Society of Japan</i> , 2014, 66, .	1.0	32
12	Damped Lyman α absorbers as a probe of stellar feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 2313-2324.	1.6	105
13	Particle ejection during mergers of dark matter halos. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 057-057.	1.9	8
14	COSMOLOGICAL SIMULATIONS OF GALAXY FORMATION WITH COSMIC RAYS. <i>Astrophysical Journal Letters</i> , 2014, 797, L18.	3.0	52
15	The interstellar medium and star formation in nearby galaxies. <i>Astronomische Nachrichten</i> , 2014, 335, 470-485.	0.6	6
16	MAGNETIC FIELDS IN COSMOLOGICAL SIMULATIONS OF DISK GALAXIES. <i>Astrophysical Journal Letters</i> , 2014, 783, L20.	3.0	121
17	The main sequence and the fundamental metallicity relation in MaGICC Galaxies: evolution and scatter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 1794-1804.	1.6	32
18	Galaxies on FIRE (Feedback In Realistic Environments): stellar feedback explains cosmologically inefficient star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 581-603.	1.6	1,068

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19	Introducing the Illustris project: the evolution of galaxy populations across cosmic time. Monthly Notices of the Royal Astronomical Society, 2014, 445, 175-200.	1.6	805
20	Stochastic angular momentum slews and flips and their effect on discs in galaxy formation models. Monthly Notices of the Royal Astronomical Society, 2014, 443, 2801-2814.	1.6	24
21	Why stellar feedback promotes disc formation in simulated galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 443, 2092-2111.	1.6	101
22	FUNDAMENTAL MASS-SPIN-MORPHOLOGY RELATION OF SPIRAL GALAXIES. Astrophysical Journal, 2014, 784, 26.	1.6	117
23	Properties of galaxies reproduced by a hydrodynamic simulation. Nature, 2014, 509, 177-182.	13.7	979
24	Dwarf galaxies in CDM and SIDM with baryons: observational probes of the nature of dark matter. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3684-3698.	1.6	166
25	Where do galaxies end? Comparing measurement techniques of hydrodynamic-simulation galaxies' integrated properties. Monthly Notices of the Royal Astronomical Society, 2014, 445, 239-255.	1.6	21
26	Stellar feedback by radiation pressure and photoionization. Monthly Notices of the Royal Astronomical Society, 2014, 439, 2990-3006.	1.6	46
27	Galaxy morphology and star formation in the Illustris Simulation at $z \approx 0$. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1886-1908.	1.6	155
28	Cosmic evolution of bars in simulations of galaxy formation. Publication of the Astronomical Society of Japan, 2015, 67, .	1.0	23
29	TESTING THE DARK MATTER CAUSTIC THEORY AGAINST OBSERVATIONS IN THE MILKY WAY. Astrophysical Journal, 2015, 811, 36.	1.6	9
30	KINETIC ENERGY FROM SUPERNOVA FEEDBACK IN HIGH-RESOLUTION GALAXY SIMULATIONS. Astrophysical Journal, 2015, 809, 69.	1.6	47
31	Large and small-scale structures and the dust energy balance problem in spiral galaxies. Astronomy and Astrophysics, 2015, 576, A31.	2.1	36
32	NIHAO project I. Reproducing the inefficiency of galaxy formation across cosmic time with a large sample of cosmological hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2015, 454, 83-94.	1.6	267
33	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
34	The stellar accretion origin of stellar population gradients in massive galaxies at large radii. Monthly Notices of the Royal Astronomical Society, 2015, 449, 528-550.	1.6	81
35	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
36	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

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37	The SILCC (Simulating the LifeCycle of molecular Clouds) project – I. Chemical evolution of the supernova-driven ISM. Monthly Notices of the Royal Astronomical Society, 2015, 454, 246-276.	1.6	255
38	The EAGLE simulations of galaxy formation: calibration of subgrid physics and model variations. Monthly Notices of the Royal Astronomical Society, 2015, 450, 1937-1961.	1.6	1,038
39	Dust energy balance study of two edge-on spiral galaxies in the Herschel-ATLAS survey. Monthly Notices of the Royal Astronomical Society, 2015, 451, 1728-1739.	1.6	28
40	The EAGLE project: simulating the evolution and assembly of galaxies and their environments. Monthly Notices of the Royal Astronomical Society, 2015, 446, 521-554.	1.6	2,549
41	Galaxies as simple dynamical systems: observational data disfavor dark matter and stochastic star formation. Canadian Journal of Physics, 2015, 93, 169-202.	0.4	131
42	BUILDING LATE-TYPE SPIRAL GALAXIES BY IN-SITU AND EX-SITU STAR FORMATION. Astrophysical Journal, 2015, 799, 184.	1.6	128
43	The impact of galactic feedback on the circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2015, 448, 895-909.	1.6	82
44	Diverse structural evolution at $z \sim 1$ in cosmologically simulated galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 451, 4290-4310.	1.6	54
45	The stability of stellar discs in Milky Way-sized dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2367-2387.	1.6	42
46	Synthetic galaxy images and spectra from the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2015, 447, 2753-2771.	1.6	106
47	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
48	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
49	The Argo simulation – II. The early build-up of the Hubble sequence. Monthly Notices of the Royal Astronomical Society, 2015, 446, 1957-1972.	1.6	44
50	ON THE INTERPLAY BETWEEN STAR FORMATION AND FEEDBACK IN GALAXY FORMATION SIMULATIONS. Astrophysical Journal, 2015, 804, 18.	1.6	180
51	Supernova feedback in an inhomogeneous interstellar medium. Monthly Notices of the Royal Astronomical Society, 2015, 450, 504-522.	1.6	216
52	Constraints on galactic wind densities from gamma ray lines. Journal of High Energy Physics, 2015, 1.	1.6	34
53	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
54	The large-scale properties of simulated cosmological magnetic fields. Monthly Notices of the Royal Astronomical Society, 2015, 453, 4000-4020.	1.6	60

#	ARTICLE	IF	CITATIONS
55	The spatially-resolved star formation history of the M31 outer disc. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 453, L113-L117.	1.2	34
56	From discs to bulges: effect of mergers on the morphology of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 4347-4360.	1.6	27
57	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
58	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
59	The illustris simulation: Public data release. <i>Astronomy and Computing</i> , 2015, 13, 12-37.	0.8	412
60	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
61	The imprint of satellite accretion on the chemical and dynamical properties of disc galaxies. <i>Astronomy and Astrophysics</i> , 2016, 586, A112.	2.1	19
62	Simulations of ram-pressure stripping in galaxy-cluster interactions. <i>Astronomy and Astrophysics</i> , 2016, 591, A51.	2.1	112
63	Computational issues in chemo-dynamical modelling of the formation and evolution of galaxies. <i>Astronomy and Astrophysics</i> , 2016, 588, A21.	2.1	34
64	GALACTIC WINDS DRIVEN BY ISOTROPIC AND ANISOTROPIC COSMIC-RAY DIFFUSION IN DISK GALAXIES. <i>Astrophysical Journal Letters</i> , 2016, 824, L30.	3.0	122
65	Detailed H α kinematics of Tully-Fisher calibrator galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 4052-4067.	1.6	38
66	MOA-II Galactic microlensing constraints: the inner Milky Way has a low dark matter fraction and a near maximal disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 557-570.	1.6	66
67	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
68	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
69	Improving the convergence properties of the moving-mesh code AREPO. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 1134-1143.	1.6	231
70	Quantifying substructures in Hubble Frontier Field clusters: comparison with Λ CDM simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 1698-1709.	1.6	19
71	Black hole starvation and bulge evolution in a Milky Way-like galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 2603-2617.	1.6	35
72	Supernova feedback in a local vertically stratified medium: interstellar turbulence and galactic winds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 2311-2326.	1.6	89

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73	Dark Matter in $\tilde{\nu}$ lines: Galactic Center vs. dwarf galaxies. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 043-043.	1.9	34
74	COSMOLOGICAL SIMULATIONS OF MILKY WAY-SIZED GALAXIES. Astrophysical Journal, 2016, 829, 98.	1.6	21
75	Zoomed cosmological simulations of Milky Way-sized haloes in $f(R)$ gravity. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1530-1541.	1.6	17
76	THE ROLE OF COSMIC-RAY PRESSURE IN ACCELERATING GALACTIC OUTFLOWS. Astrophysical Journal Letters, 2016, 827, L29.	3.0	113
77	WHERE STARS FORM: INSIDE-OUT GROWTH AND COHERENT STAR FORMATION FROM HST $H\alpha$ MAPS OF 3200 GALAXIES ACROSS THE MAIN SEQUENCE AT $0.7 < z < 1.5$. Astrophysical Journal, 2016, 828, 27.	1.6	166
78	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
79	SURVIVAL OF PURE DISK GALAXIES OVER THE LAST 8 BILLION YEARS. Astrophysical Journal Letters, 2016, 820, L4.	3.0	15
80	Simulating the carbon footprint of galactic haloes. Monthly Notices of the Royal Astronomical Society, 2016, 462, 307-322.	1.6	11
81	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
82	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
83	THE FORMATION OF A MILKY WAY-SIZED DISK GALAXY. I. A COMPARISON OF NUMERICAL METHODS. Astrophysical Journal, 2016, 831, 52.	1.6	8
84	Role of cosmic rays in the circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2016, 456, 582-601.	1.6	75
85	Supernova blast waves in wind-blown bubbles, turbulent, and power-law ambient media. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2962-2978.	1.6	58
86	Zooming in on accretion – I. The structure of halo gas. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2881-2904.	1.6	80
87	Dust formation in Milky Way-like galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3775-3800.	1.6	127
88	Three supernova shells around a young M33 star cluster. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 461, L87-L91.	1.2	1
89	GARROTXA COSMOLOGICAL SIMULATIONS OF MILKY WAY-SIZED GALAXIES: GENERAL PROPERTIES, HOT-GAS DISTRIBUTION, AND MISSING BARYONS. Astrophysical Journal, 2016, 824, 94.	1.6	23
90	The Cusp/Core problem: supernovae feedback versus the baryonic clumps and dynamical friction model. Astrophysics and Space Science, 2016, 361, 1.	0.5	42

#	ARTICLE	IF	CITATIONS
91	NIHAO VI. The hidden discs of simulated galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 459, 467-486.	1.6	55
92	The distribution of atomic hydrogen in eagle galaxies: morphologies, profiles, and H α holes. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1115-1136.	1.6	117
93	Vertical disc heating in Milky Way-sized galaxies in a cosmological context. Monthly Notices of the Royal Astronomical Society, 2016, 459, 199-219.	1.6	132
94	Spiral-induced velocity and metallicity patterns in a cosmological zoom simulation of a Milky Way-sized galaxy. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 460, L94-L98.	1.2	70
95	The quiescent phase of galactic disc growth. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3326-3348.	1.6	51
96	Semi-inclusive wino and higgsino annihilation to $LL\hat{e}^2$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	24
97	HYDRODYNAMIC MOVING-MESH SIMULATIONS OF THE COMMON ENVELOPE PHASE IN BINARY STELLAR SYSTEMS. Astrophysical Journal Letters, 2016, 816, L9.	3.0	123
98	Radial gas motions in The H α Nearby Galaxy Survey (THINGS). Monthly Notices of the Royal Astronomical Society, 2016, 457, 2642-2664.	1.6	39
99	The turbulent destruction of clouds – III. Three-dimensional adiabatic shock-cloud simulations. Monthly Notices of the Royal Astronomical Society, 2016, 457, 4470-4498.	1.6	35
100	DIFFUSE CORONAE IN COSMOLOGICAL SIMULATIONS OF MILKY WAY-SIZED GALAXIES. Astrophysical Journal, 2016, 819, 21.	1.6	26
101	A fully cosmological model of a Monoceros-like ring. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2779-2793.	1.6	75
102	High Performance Computing and Numerical Modelling. Saas-Fee Advanced Course, 2016, , 251-358.	1.1	5
103	THE RELATIONSHIP BETWEEN MONO-ABUNDANCE AND MONO-AGE STELLAR POPULATIONS IN THE MILKY WAY DISK. Astrophysical Journal, 2017, 834, 27.	1.6	53
104	Baryonic impact on the dark matter orbital properties of Milky Way-sized haloes. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3876-3886.	1.6	21
105	One Law to Rule Them All: The Radial Acceleration Relation of Galaxies. Astrophysical Journal, 2017, 836, 152.	1.6	279
106	Galactic Angular Momentum in Cosmological Zoom-in Simulations. I. Disk and Bulge Components and the Galaxy-Halo Connection. Astrophysical Journal, 2017, 835, 289.	1.6	34
107	The Evolution of the Tully-Fisher Relation between $z \sim 2.3$ and $z \sim 0.9$ with KMOS ^{3D} . Astrophysical Journal, 2017, 842, 121.	1.6	73
108	Theoretical Challenges in Galaxy Formation. Annual Review of Astronomy and Astrophysics, 2017, 55, 59-109.	8.1	443

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109	Simulating cosmic ray physics on a moving mesh. Monthly Notices of the Royal Astronomical Society, 2017, 465, 4500-4529.	1.6	137
110	Strongly baryon-dominated disk galaxies at the peak of galaxy formation ten billion years ago. Nature, 2017, 543, 397-401.	13.7	177
111	Dynamical modelling of the galactic bulge and bar: the Milky Way's pattern speed, stellar and dark matter mass distribution. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1621-1644.	1.6	221
112	Size matters: abundance matching, galaxy sizes, and the Tully-Fisher relation in EAGLE. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4736-4746.	1.6	43
113	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
114	Calculation of the local density of relic neutrinos. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 034-034.	1.9	35
115	Realistic estimation for the detectability of dark matter subhalos using Fermi-LAT catalogs. Physical Review D, 2017, 96, .	1.6	26
116	Cosmic ray feedback in galaxies and active galactic nuclei. AIP Conference Proceedings, 2017, , .	0.3	2
117	Magnetic field formation in the Milky Way like disc galaxies of the Auriga project. Monthly Notices of the Royal Astronomical Society, 2017, 469, 3185-3199.	1.6	120
118	Cosmic ray-driven galactic winds: streaming or diffusion?. Monthly Notices of the Royal Astronomical Society, 0, , stx127.	1.6	77
119	The role of mergers and halo spin in shaping galaxy morphology. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3083-3098.	1.6	134
120	Indirect searches of Galactic diffuse dark matter in INO-MagICAL detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	6
121	Is There a Disk of Satellites around the Milky Way?. Astrophysical Journal, 2017, 843, 62.	1.6	7
122	Rotation curve fitting and its fatal attraction to cores in realistically simulated galaxy observations. Monthly Notices of the Royal Astronomical Society, 2017, 466, 63-87.	1.6	42
123	The low-mass end of the baryonic Tully-Fisher relation. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2419-2428.	1.6	69
124	Galaxies in the Illustris simulation as seen by the Sloan Digital Sky Survey - II. Size-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
125	NIHAO XII: galactic uniformity in a Λ CDM universe. Monthly Notices of the Royal Astronomical Society, 2017, 467, 4937-4950.	1.6	39
126	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

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127	The slight spin of the old stellar halo. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1259-1273.	1.6	58
128	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
129	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
130	The Auriga Project: the properties and formation mechanisms of disc galaxies across cosmic time. Monthly Notices of the Royal Astronomical Society, 0, , stx071.	1.6	293
131	Lessons from the Auriga discs: the hunt for the Milky Way's ex situ disc is not yet over. Monthly Notices of the Royal Astronomical Society, 2017, 472, 3722-3733.	1.6	46
132	The edge of galaxy formation – II. Evolution of Milky Way satellite analogues after infall. Monthly Notices of the Royal Astronomical Society, 2017, 472, 3378-3389.	1.6	27
133	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
134	Small Scale Problems of the Λ CDM Model: A Short Review. Galaxies, 2017, 5, 17.	1.1	186
135	Warps and waves in the stellar discs of the Auriga cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2017, 465, 3446-3460.	1.6	79
136	Cores in Dwarf Galaxies from Fermi Repulsion. Monthly Notices of the Royal Astronomical Society, 2017, , stx161.	1.6	20
137	Properties of H α discs in the Auriga cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3859-3875.	1.6	50
138	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
139	ZOMG – II. Does the halo assembly history influence central galaxies and gas accretion?. Monthly Notices of the Royal Astronomical Society, 2017, 469, 1809-1823.	1.6	22
140	First results from the IllustrisTNG simulations: the stellar mass content of groups and clusters of galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 475, 648-675.	1.6	983
141	Simulating galaxy formation with the IllustrisTNG model. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4077-4106.	1.6	1,144
142	New dissipation mechanisms from multilevel dark matter scattering. Physical Review D, 2018, 97, .	1.6	13
143	First results from the IllustrisTNG simulations: a tale of two elements – chemical evolution of magnesium and europium. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1206-1224.	1.6	746
144	The Global and Radial Stellar Mass Assembly of Milky Way-sized Galaxies. Astrophysical Journal, 2018, 854, 152.	1.6	14

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145	Merger-induced metallicity dilution in cosmological galaxy formation simulations. Monthly Notices of the Royal Astronomical Society, 2018, 479, 3381-3392.	1.6	54
146	Galaxy mergers moulding the circum-galactic medium â€” I. The impact of a major merger. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1160-1176.	1.6	44
147	The Complementary Roles of Feedback and Mergers in Building the Gaseous Halo and the X-Ray Corona of Milky-Way-sized Galaxies. Astrophysical Journal, 2018, 867, 73.	1.6	16
148	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
149	Searches for gamma-ray lines and â€”pure WIMPâ€” spectra from Dark Matter annihilations in dwarf galaxies with H.E.S.S.. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 037-037.	1.9	30
150	Colourâ€”magnitude diagram in simulations of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2018, 480, 722-741.	1.6	8
151	Quenching and ram pressure stripping of simulated Milky Way satellite galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 478, 548-567.	1.6	135
152	Faraday rotation maps of disc galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4410-4418.	1.6	44
153	The origin of the diverse morphologies and kinematics of Milky Way-mass galaxies in the FIRE-2 simulations. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4133-4157.	1.6	91
154	Formation and incidence of shell galaxies in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2018, 480, 1715-1739.	1.6	55
155	Structural and dynamical properties of galaxies in a hierarchical Universe: sizes and specific angular momenta. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1376-1400.	1.6	32
156	Cosmic ray driven outflows in an ultraluminous galaxy. Monthly Notices of the Royal Astronomical Society, 2018, 477, 531-538.	1.6	13
157	Aurigaia: mock Gaia DR2 stellar catalogues from the auriga cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1726-1743.	1.6	44
158	Introducing galactic structure finder: the multiple stellar kinematic structures of a simulated Milky Way mass galaxy. Monthly Notices of the Royal Astronomical Society, 2018, 477, 4915-4930.	1.6	27
159	Origin of chemically distinct discs in the Auriga cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3629-3639.	1.6	97
160	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
161	Chemodynamical History of the Galactic Bulge. Annual Review of Astronomy and Astrophysics, 2018, 56, 223-276.	8.1	152
162	On the relevance of chaos for halo stars in the solar neighbourhood II. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4052-4067.	1.6	15

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163	Stars Behind Bars. I. The Milky Way's Central Stellar Populations. <i>Astrophysical Journal</i> , 2018, 861, 88.	1.6	35
164	Structural properties of faint low-surface-brightness galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 4657-4668.	1.6	11
165	Gravitational clustering of cosmic relic neutrinos in the Milky Way. <i>Nature Communications</i> , 2018, 9, 1833.	5.8	29
166	Cooler and smoother – the impact of cosmic rays on the phase structure of galactic outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 3042-3067.	1.6	97
167	Zoom-in cosmological hydrodynamical simulation of a star-forming barred, spiral galaxy at redshift $z=2$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 4674-4689.	1.6	8
168	The evolution of sizes and specific angular momenta in hierarchical models of galaxy formation and evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 5649-5665.	1.6	15
169	The diversity of the circumgalactic medium around $z=0$ Milky Way-mass galaxies from the Auriga simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 135-152.	1.6	16
170	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
171	Gas accretion and galactic fountain flows in the Auriga cosmological simulations: angular momentum and metal redistribution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4786-4803.	1.6	69
172	New Horizon: On the Origin of the Stellar Disk and Spheroid of Field Galaxies at $z=0.7$. <i>Astrophysical Journal</i> , 2019, 883, 25.	1.6	34
173	Identifying Kinematic Structures in Simulated Galaxies Using Unsupervised Machine Learning. <i>Astrophysical Journal</i> , 2019, 884, 129.	1.6	21
174	The prevalence of pseudo-bulges in the Auriga simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 5742-5763.	1.6	40
175	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
176	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
177	Hydrodynamical moving-mesh simulations of the tidal disruption of stars by supermassive black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 981-992.	1.6	31
178	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
179	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
180	Stars behind Bars II: A Cosmological Formation Scenario for the Milky Way's Central Stellar Structure. <i>Astrophysical Journal</i> , 2019, 874, 67.	1.6	19

#	ARTICLE	IF	CITATIONS
181	Angular momentum evolution of bulge stars in disc galaxies in NIHAO. Monthly Notices of the Royal Astronomical Society, 2019, 482, 5477-5491.	1.6	9
182	Dark matter response to galaxy assembly history. Astronomy and Astrophysics, 2019, 622, A197.	2.1	13
183	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
184	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
185	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
186	Homeopathic Dark Matter, or how diluted heavy substances produce high energy cosmic rays. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 014-014.	1.9	50
187	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
188	Long-lived transient structure in collisionless self-gravitating systems. Physical Review E, 2019, 99, 022125.	0.8	12
189	Satellites of Satellites: The Case for Carina and Fornax. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	21
190	NIHAO-UHD: The properties of MW-like stellar disks in high resolution cosmological simulations. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	53
191	Ultra-diffuse galaxies in the Auriga simulations. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5182-5195.	1.6	55
192	The buildup of strongly barred galaxies in the TNG100 simulation. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	36
193	Cosmological simulations of galaxy formation. Nature Reviews Physics, 2020, 2, 42-66.	11.9	317
194	Kinematic Decomposition of IllustrisTNG Disk Galaxies: Morphology and Relation with Morphological Structures. Astrophysical Journal, 2020, 895, 139.	1.6	22
195	Relic neutrino clustering in the Milky Way. Journal of Physics: Conference Series, 2020, 1468, 012172.	0.3	2
196	Cataloging accreted stars within <i>Gaia</i>DR2 using deep learning. Astronomy and Astrophysics, 2020, 636, A75.	2.1	17
197	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
198	The fate of disc galaxies in IllustrisTNG clusters. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2673-2703.	1.6	53

#	ARTICLE	IF	CITATIONS
199	Magnetizing the circumgalactic medium of disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 3125-3137.	1.6	40
200	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
201	A tale of two populations: surviving and destroyed dwarf galaxies and the build-up of the Milky Way's stellar halo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 4459-4471.	1.6	40
202	The baryonic Tully-Fisher relation in the simba simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 3687-3702.	1.6	19
203	Hot phase generation by supernovae in ISM simulations: resolution, chemistry, and thermal conduction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 1035-1060.	1.6	29
204	Chemodynamics of barred galaxies in cosmological simulations: On the Milky Way's quiescent merger history and <i>in-situ</i> bulge. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 5936-5960.	1.6	72
205	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
206	The globular cluster system of the Auriga simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 638-648.	1.6	11
207	Local density of relic neutrinos with minimal mass. <i>Journal of Physics: Conference Series</i> , 2020, 1342, 012039.	0.3	0
208	Neutrino clustering in the Milky Way and beyond. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 015-015.	1.9	14
209	Entropy Stable Discontinuous Galerkin Schemes on Moving Meshes for Hyperbolic Conservation Laws. <i>Journal of Scientific Computing</i> , 2020, 82, 1.	1.1	14
210	Mass models of gas-rich void dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 4993-5014.	1.6	8
211	Submillimetre galaxies in cosmological hydrodynamical simulations – an opportunity for constraining feedback models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 2922-2933.	1.6	20
212	Effects of initial density profiles on massive star cluster formation in giant molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 6157-6169.	1.6	14
213	A Tidally Induced Global Corrugation Pattern in an External Disk Galaxy Similar to the Milky Way. <i>Astrophysical Journal</i> , 2021, 908, 27.	1.6	13
214	A little FABLE: exploring AGN feedback in dwarf galaxies with cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3568-3591.	1.6	37
215	The parametrization of gas flows in discs in the Auriga simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 4400-4415.	1.6	6
216	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

#	ARTICLE	IF	CITATIONS
217	Local variations of the Stellar Velocity Ellipsoid-I: the disc of galaxies in the Auriga simulations. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1801-1814.	1.6	3
218	Revisiting the tension between fast bars and the Λ CDM paradigm. Astronomy and Astrophysics, 2021, 650, L16.	2.1	38
219	An observational testbed for cosmological zoom-in simulations: constraining stellar migration in the solar cylinder using asteroseismology. Monthly Notices of the Royal Astronomical Society, 2021, 506, 759-774.	1.6	5
220	The abundance of satellites around Milky Way- and M31-like galaxies with the TNG50 simulation: a matter of diversity. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4211-4240.	1.6	41
221	Determining the full satellite population of a Milky Way-mass halo in a highly resolved cosmological hydrodynamic simulation. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4953-4967.	1.6	42
222	Bulge Formation via Mergers in Cosmological Simulations. Astrophysics and Space Science Library, 2016, , 317-353.	1.0	55
223	Gas Accretion via Condensation and Fountains. Astrophysics and Space Science Library, 2017, , 323-353.	1.0	66
224	High-resolution, 3D radiative transfer modelling. Astronomy and Astrophysics, 2020, 637, A24.	2.1	17
225	Baryonic effects on the detectability of annihilation radiation from dark matter subhaloes around the Milky Way. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	17
226	Structural and photometric properties of barred galaxies from the Auriga cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2020, 491, 1800-1819.	1.6	20
227	Asymmetric dark matter: residual annihilations and self-interactions. SciPost Physics, 2018, 4, .	1.5	44
228	Cosmological Insights into the Early Accretion of r-process-enhanced Stars. I. A Comprehensive Chemodynamical Analysis of LAMOST J1109+0754. Astrophysical Journal, 2020, 903, 88.	1.6	25
229	Barred Galaxies in the IllustrisTNG Simulation. Astrophysical Journal, 2020, 904, 170.	1.6	27
230	Constraining the Milky Way Mass with Its Hot Gaseous Halo. Astrophysical Journal Letters, 2020, 904, L14.	3.0	7
231	Using angular momentum maps to detect kinematically distinct galactic components. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2182-2197.	1.6	4
232	New and old probes of dark matter scenarios on galactic and sub-galactic scales. Journal of Physics G: Nuclear and Particle Physics, 0, , .	1.4	1
233	Gas flows in galaxy mergers: supersonic turbulence in bridges, accretion from the circumgalactic medium, and metallicity dilution. Monthly Notices of the Royal Astronomical Society, 2021, 509, 2720-2735.	1.6	18
234	Probabilistic model for dynamic galaxy decomposition. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1764-1778.	1.6	4

#	ARTICLE	IF	CITATIONS
235	Warm Dark Matter from Higher-Dimensional Gauge Theories. <i>Universe</i> , 2021, 7, 462.	0.9	1
236	Warm Dark Matter in Simulations. <i>Universe</i> , 2022, 8, 76.	0.9	7
237	Emergence of galactic morphologies at cosmic dawn: input from numerical modelling. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 693-712.	1.6	2
238	Cosmicflows-4: the baryonic Tully-Fisher relation providing $\sim 10^4$ distances. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 6160-6178.	1.6	9
239	The NewHorizon simulation – to bar or not to bar. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 160-185.	1.6	17
240	Using artificial intelligence and real galaxy images to constrain parameters in galaxy formation simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 2135-2141.	1.6	1
241	The evolution of the barred galaxy population in the TNG50 simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 5339-5357.	1.6	26
242	Cold and hot gas distribution around the Milky-Way – M31 system in the HESTIA simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3717-3737.	1.6	9
243	Local variations of the stellar velocity ellipsoid II. The effect of the bar in the inner regions of Auriga galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 4587-4604.	1.6	1
244	Turning points in the age-metallicity relations created by late satellite infall and enhanced by radial migration. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 4697-4714.	1.6	9
245	Formation of galactic bulges from the cold gas filaments in high-redshift dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 1772-1777.	1.6	1
246	Review of Solutions to the Cusp-Core Problem of the Λ CDM Model. <i>Galaxies</i> , 2021, 9, 123.	1.1	9
247	The effects of AGN feedback on the structural and dynamical properties of Milky Way-mass galaxies in cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3768-3787.	1.6	14
248	Newcomers and suburbanites can drive the evolution of the size-stellar mass relation of early type galaxies in galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	3
249	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
250	Smart: A program to automatically compute accelerations and variational equations. <i>Astronomy and Computing</i> , 2022, , 100592.	0.8	0
251	Linking the brightest stellar streams with the accretion history of Milky Way like galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 4898-4911.	1.6	6
252	Morphological decomposition of TNG50 galaxies: methodology and catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 1524-1543.	1.6	12

#	ARTICLE	IF	CITATIONS
253	Modeling Evolution of Galactic Bars at Cosmic Dawn. <i>Astrophysical Journal</i> , 2022, 934, 52.	1.6	9
254	Milky Way-like galaxies: stellar population properties of dynamically defined discs, bulges and stellar haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 197-215.	1.6	3
255	Machine learning for galactic archaeology: A chemistry-based neural network method for identification of accreted disc stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	1
256	Cosmological gas accretion history onto the stellar discs of Milky Way-like galaxies in the Auriga simulations â€” (I) Temporal dependency. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 832-852.	1.6	2
257	Magnetic fields on FIRE: Comparing B-fields in the multiphase ISM and CGM of simulated L* galaxies to observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 4417-4431.	1.6	12
258	Testing the key role of the stellar massâ€”halo mass relation in galaxy merger rates and morphologies via DECODE, a novel Discrete statistical sEmi-empiriCal mODEl. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 3206-3233.	1.6	2
259	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
260	The survival of stellar discs in Fornax-like environments, from TNG50 to real galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 5992-6003.	1.6	4
261	ERGO-ML I: inferring the assembly histories of IllustrisTNG galaxies from integral observable properties via invertible neural networks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 519, 2199-2223.	1.6	9
262	Probing galaxy evolution through Hi 21-cm emission and absorption: current status and prospects with square kilometre array. <i>Journal of Astrophysics and Astronomy</i> , 2022, 43, .	0.4	1
263	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
264	SAMI-Hâ€” view of the HÎ± Tullyâ€”Fisher relation and data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 519, 1098-1114.	1.6	3
265	Real and counterfeit cores: how feedback expands haloes and disrupts tracers of inner gravitational potential in dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 461-479.	1.6	4
266	Morpheus Reveals Distant Disk Galaxy Morphologies with JWST: The First AI/ML Analysis of JWST Images. <i>Astrophysical Journal Letters</i> , 2023, 942, L42.	3.0	23
267	Homeopathic Dark Matter. <i>Springer Theses</i> , 2022, , 223-265.	0.0	0
268	MeshFormer: Highâ€”resolution Mesh Segmentation with Graph Transformer. <i>Computer Graphics Forum</i> , 2022, 41, 37-49.	1.8	0
269	The Impact of Super Massive Black Hole (SMBH) on Galaxy and Star. , 0, 38, 383-390.		0