

Federico Marinacci

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Simulating galaxy formation with the IllustrisTNG model. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4077-4106.	1.6	1,144
2	First results from the IllustrisTNG simulations: matter and galaxy clustering. Monthly Notices of the Royal Astronomical Society, 2018, 475, 676-698.	1.6	1,035
3	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
4	First results from the IllustrisTNG simulations: the galaxy colour bimodality. Monthly Notices of the Royal Astronomical Society, 2018, 475, 624-647.	1.6	894
5	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
6	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
7	The IllustrisTNG simulations: public data release. Computational Astrophysics and Cosmology, 2019, 6, .	22.7	698
8	First results from the IllustrisTNG simulations: radio haloes and magnetic fields. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	643
9	First results from the TNG50 simulation: galactic outflows driven by supernovae and black hole feedback. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3234-3261.	1.6	510
10	First results from the TNG50 simulation: the evolution of stellar and gaseous discs across cosmic time. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3196-3233.	1.6	453
11	The illustris simulation: Public data release. Astronomy and Computing, 2015, 13, 12-37.	0.8	412
12	Cosmological simulations of galaxy formation. Nature Reviews Physics, 2020, 2, 42-66.	11.9	317
13	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
14	The formation of disc galaxies in high-resolution moving-mesh cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2014, 437, 1750-1775.	1.6	289
15	Supermassive black holes and their feedback effects in the IllustrisTNG simulation. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4056-4072.	1.6	270
16	The optical morphologies of galaxies in the IllustrisTNG simulation: a comparison to Pan-STARRS observations. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4140-4159.	1.6	236
17	The size evolution of star-forming and quenched galaxies in the IllustrisTNG simulation. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3976-3996.	1.6	195
18	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

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19	Ingredients for 21 cm Intensity Mapping. <i>Astrophysical Journal</i> , 2018, 866, 135.	1.6	139
20	Quenching and ram pressure stripping of simulated Milky Way satellite galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 548-567.	1.6	135
21	The abundance, distribution, and physical nature of highly ionized oxygen O ^{vi} , O ^{vii} , and O ^{viii} in IllustrisTNG. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 450-479.	1.6	133
22	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
23	The evolution of the mass-metallicity relation and its scatter in IllustrisTNG. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	123
24	MAGNETIC FIELDS IN COSMOLOGICAL SIMULATIONS OF DISK GALAXIES. <i>Astrophysical Journal Letters</i> , 2014, 783, L20.	3.0	121
25	Magnetic field formation in the Milky Way like disc galaxies of the Auriga project. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 3185-3199.	1.6	120
26	Baryons in the Cosmic Web of IllustrisTNG – I: gas in knots, filaments, sheets, and voids. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 3766-3787.	1.6	120
27	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
28	THE ROLE OF COSMIC-RAY PRESSURE IN ACCELERATING GALACTIC OUTFLOWS. <i>Astrophysical Journal Letters</i> , 2016, 827, L29.	3.0	113
29	The Auriga stellar haloes: connecting stellar population properties with accretion and merging history. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 2589-2616.	1.6	113
30	The survival of gas clouds in the circumgalactic medium of Milky Way-like galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 114-125.	1.6	110
31	Simulating the dust content of galaxies: successes and failures. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 1505-1521.	1.6	109
32	Morphology and star formation in IllustrisTNG: the build-up of spheroids and discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 5416-5440.	1.6	109
33	Unveiling the corona of the Milky Way via ram-pressure stripping of dwarf satellites. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 2749-2763.	1.6	106
34	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
35	The mass of the Milky Way from satellite dynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 5453-5467.	1.6	102
36	Resolving small-scale cold circumgalactic gas in TNG50. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 2391-2414.	1.6	100

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37	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
38	High-redshift JWST predictions from IllustrisTNG: dust modelling and galaxy luminosity functions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 5167-5201.	1.6	99
39	The fraction of dark matter within galaxies from the IllustrisTNG simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 1950-1975.	1.6	97
40	Origin of chemically distinct discs in the Auriga cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 3629-3639.	1.6	97
41	First Star-Forming Structures in Fuzzy Cosmic Filaments. <i>Physical Review Letters</i> , 2019, 123, 141301.	2.9	94
42	Galactic fountains and the rotation of disc-galaxy coronae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 1534-1542.	1.6	91
43	The origin of galactic metal-rich stellar halo components with highly eccentric orbits. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 4471-4483.	1.6	89
44	Efficiency of gas cooling and accretion at the disc-corona interface. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 4157-4170.	1.6	87
45	Simulating galactic dust grain evolution on a moving mesh. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 2851-2886.	1.6	87
46	Quenched fractions in the IllustrisTNG simulations: the roles of AGN feedback, environment, and pre-processing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 4004-4024.	1.6	86
47	Warps and waves in the stellar discs of the Auriga cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 3446-3460.	1.6	79
48	A fully cosmological model of a Monoceros-like ring. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 2779-2793.	1.6	75
49	Similar star formation rate and metallicity variability time-scales drive the fundamental metallicity relation. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 477, L16-L20.	1.2	75
50	The local high-velocity tail and the Galactic escape speed. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 3514-3526.	1.6	75
51	Atomic hydrogen in IllustrisTNG galaxies: the impact of environment paralleled with local 21-cm surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 5334-5354.	1.6	75
52	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
53	Chemodynamics of barred galaxies in cosmological simulations: On the Milky Way's quiescent merger history and in-situ bulge. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 5936-5960.	1.6	72
54	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

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55	Modeling the Atomic-to-molecular Transition in Cosmological Simulations of Galaxy Formation. <i>Astrophysical Journal, Supplement Series</i> , 2018, 238, 33.	3.0	71
56	The dual origin of the Galactic thick disc and halo from the gas-rich Gaiaâ€œEnceladus Sausage merger. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 1603-1618.	1.6	71
57	Spiral-induced velocity and metallicity patterns in a cosmological zoom simulation of a Milky Way-sized galaxy. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 460, L94-L98.	1.2	70
58	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
59	<sc>arepo-rt</sc>: radiation hydrodynamics on a moving mesh. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 117-149.	1.6	69
60	The mode of gas accretion on to star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , .	1.6	68
61	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
62	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
63	Quenched fractions in the IllustrisTNG simulations: comparison with observations and other theoretical models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 4760-4780.	1.6	66
64	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
65	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
66	Mapping substructure in the HST Frontier Fields cluster lenses and in cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 1962-1980.	1.6	64
67	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
68	Disruption of giant molecular clouds and formation of bound star clusters under the influence of momentum stellar feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 364-380.	1.6	62
69	The effect of magnetic fields on properties of the circumgalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 4888-4902.	1.6	62
70	Galactic hail: the origin of the high-velocity cloud complex C. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 447, L70-L74.	1.2	61
71	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
72	Revealing the galaxyâ€œhalo connection in IllustrisTNG. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5693-5711.	1.6	59

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73	The slight spin of the old stellar halo. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1259-1273.	1.6	58
74	Predictions for the angular dependence of gas mass flow rate and metallicity in the circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2020, 499, 2462-2473.	1.6	58
75	Galaxy formation with BECDM Λ CDM II. Cosmic filaments and first galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2027-2044.	1.6	58
76	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
77	A Deep Learning Approach to Galaxy Cluster X-Ray Masses. Astrophysical Journal, 2019, 876, 82.	1.6	55
78	Ultra-diffuse galaxies in the Auriga simulations. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5182-5195.	1.6	55
79	The fate of disc galaxies in IllustrisTNG clusters. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2673-2703.	1.6	53
80	The multiplicity and anisotropy of galactic satellite accretion. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1796-1810.	1.6	51
81	Neutron star mergers and rare core-collapse supernovae as sources of r-process enrichment in simulated galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 494, 4867-4883.	1.6	51
82	Properties of H α discs in the Auriga cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3859-3875.	1.6	50
83	Stellar feedback by radiation pressure and photoionization. Monthly Notices of the Royal Astronomical Society, 2014, 439, 2990-3006.	1.6	46
84	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
85	Subhalo destruction in the Apostle and Auriga simulations. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5780-5793.	1.6	46
86	IONIZED ABSORBERS AS EVIDENCE FOR SUPERNOVA-DRIVEN COOLING OF THE LOWER GALACTIC CORONA. Astrophysical Journal Letters, 2013, 764, L21.	3.0	44
87	Faraday rotation maps of disc galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4410-4418.	1.6	44
88	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
89	Diffuse gas properties and stellar metallicities in cosmological simulations of disc galaxy formation. Monthly Notices of the Royal Astronomical Society, 2014, 442, 3745-3760.	1.6	43
90	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

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91	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
92	A moving mesh unstaggered constrained transport scheme for magnetohydrodynamics. Monthly Notices of the Royal Astronomical Society, 2016, 463, 477-488.	1.6	40
93	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
94	The prevalence of pseudo-bulges in the Auriga simulations. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5742-5763.	1.6	40
95	Magnetizing the circumgalactic medium of disc galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3125-3137.	1.6	40
96	A tale of two populations: surviving and destroyed dwarf galaxies and the build-up of the Milky Way's stellar halo. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4459-4471.	1.6	40
97	Gas-phase metallicity gradients of TNG50 star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3024-3048.	1.6	40
98	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
99	Revisiting the tension between fast bars and the Λ CDM paradigm. Astronomy and Astrophysics, 2021, 650, L16.	2.1	38
100	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
101	The dust-continuum size of TNG50 galaxies at $z \sim 1.5$: a comparison with the distribution of stellar light, stars, dust, and H ₂ . Monthly Notices of the Royal Astronomical Society, 2022, 510, 3321-3334.	1.6	37
102	On the stellar halo metallicity profile of Milky Way-like galaxies in the Auriga simulations. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 459, L46-L50.	1.2	35
103	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
104	The effects of dynamical substructure on Milky Way mass estimates from the high-velocity tail of the local stellar halo. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 487, L72-L76.	1.2	34
105	On the origin of the warm "hot absorbers in the Milky Way's halo. Monthly Notices of the Royal Astronomical Society, 2013, 433, 1634-1647.	1.6	33
106	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
107	The velocity anisotropy of the Milky Way satellite system. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2679-2694.	1.6	32
108	The cumulative star formation histories of dwarf galaxies with TNG50. I: environment-driven diversity and connection to quenching. Monthly Notices of the Royal Astronomical Society, 2021, 508, 1652-1674.	1.6	32

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109	Quiescent ultra-diffuse galaxies in the field originating from backplash orbits. <i>Nature Astronomy</i> , 2021, 5, 1255-1260.	4.2	32
110	The distinct stellar-to-halo mass relations of satellite and central galaxies: insights from the IllustrisTNG simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 3957-3975.	1.6	32
111	Origin of the galaxy H α mass relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 96-113.	1.6	31
112	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
113	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
114	Accurately simulating anisotropic thermal conduction on a moving mesh. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 410-424.	1.6	30
115	H α emission in local galaxies: star formation, time variability, and the diffuse ionized gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 2904-2929.	1.6	29
116	Efficacy of early stellar feedback in low gas surface density environments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 2088-2103.	1.6	28
117	The chemo-dynamical groups of Galactic globular clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 4107-4129.	1.6	28
118	Formation of a Malin 1 analogue in IllustrisTNG by stimulated accretion. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 480, L18-L22.	1.2	27
119	Baryons in the Cosmic Web of IllustrisTNG – II. The connection among galaxies, haloes, their formation time, and their location in the Cosmic Web. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 5747-5758.	1.6	27
120	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
121	Gas-rich and gas-poor structures through the stream velocity effect. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 1625-1639.	1.6	26
122	Realistic estimation for the detectability of dark matter subhalos using Fermi-LAT catalogs. <i>Physical Review D</i> , 2017, 96, .	1.6	26
123	Early-type galaxy density profiles from IllustrisTNG – I. Galaxy correlations and the impact of baryons. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 5188-5215.	1.6	26
124	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
125	Formation and evolution of young massive clusters in galaxy mergers: the SMUGGLE view. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 265-279.	1.6	26
126	Galaxy interactions in IllustrisTNG-100, I: The power and limitations of visual identification. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 2075-2094.	1.6	25

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127	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
128	The Supersonic Project: Shining Light on SIGOs – A New Formation Channel for Globular Clusters. Astrophysical Journal Letters, 2019, 878, L23.	3.0	24
129	Simulating the effect of photoheating feedback during reionization. Monthly Notices of the Royal Astronomical Society, 2019, 488, 419-437.	1.6	23
130	Enhancing AGN efficiency and cool-core formation with anisotropic thermal conduction. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3003-3013.	1.6	22
131	The dark matter component of the Gaia radially anisotropic substructure. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 036-036.	1.9	22
132	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
133	Chemical pre-processing of cluster galaxies over the past 10 billion years in the IllustrisTNG simulations. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 477, L35-L39.	1.2	21
134	Satellites of Satellites: The Case for Carina and Fornax. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	21
135	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
136	Galactic angular momentum in the IllustrisTNG simulation – I. Connection to morphology, halo spin, and black hole mass. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5978-5994.	1.6	21
137	The morphology and kinematics of the gaseous circumgalactic medium of Milky Way mass galaxies – II. Comparison of IllustrisTNG and Illustris simulation results. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4686-4700.	1.6	20
138	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
139	The effects of subgrid models on the properties of giant molecular clouds in galaxy formation simulations. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5862-5872.	1.6	20
140	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
141	Assembly of supermassive black hole seeds. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	19
142	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
143	A study of stellar orbit fractions: simulated IllustrisTNG galaxies compared to CALIFA observations. Monthly Notices of the Royal Astronomical Society, 2019, 489, 842-854.	1.6	19
144	Satellites around Milky Way Analogs: Tension in the Number and Fraction of Quiescent Satellites Seen in Observations versus Simulations. Astrophysical Journal Letters, 2021, 916, L19.	3.0	19

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145	Degeneracies between self-interacting dark matter and supernova feedback as cusp-core transformation mechanisms. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3458-3481.	1.6	18
146	The orbital phase space of contracted dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 12-28.	1.6	17
147	Stationary models for the extraplanar gas in disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 2451-2462.	1.6	16
148	On the formation of massive quiescent galaxies with diverse morphologies in the TNG50 simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 213-228.	1.6	16
149	On the relevance of chaos for halo stars in the solar neighbourhood II. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 4052-4067.	1.6	15
150	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
151	Galaxy formation with local photoionization feedback – II. Effect of X-ray emission from binaries and hot gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 2516-2529.	1.6	14
152	Non-ideal magnetohydrodynamics on a moving mesh. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 2476-2492.	1.6	14
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