

Federico Marinacci

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9580326/publications.pdf>

Version: 2024-02-01

180
papers

17,628
citations

18436

62
h-index

16127

124
g-index

186
all docs

186
docs citations

186
times ranked

6195
citing authors

#	ARTICLE	IF	CITATIONS
1	The dust-continuum size of TNG50 galaxies at $z=1$: 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
2	High-redshift predictions from IllustrisTNG III. Infrared luminosity functions, obscured star formation, and dust temperature of high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5560-5578.	1.6	26
3	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
4	High and low S ₄₅₀₀ 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
5	H _α emission in local galaxies: star formation, time variability, and the diffuse ionized gas. Monthly Notices of the Royal Astronomical Society, 2022, 513, 2904-2929.	1.6	29
6	Percent-level constraints on baryonic feedback with spectral distortion measurements. Physical Review D, 2022, 105, .	1.6	6
7	Degeneracies between self-interacting dark matter and supernova feedback as cusp-core transformation mechanisms. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3458-3481.	1.6	18
8	Formation and evolution of young massive clusters in galaxy mergers: the SMUGGLE view. Monthly Notices of the Royal Astronomical Society, 2022, 514, 265-279.	1.6	26
9	The effects of AGN feedback on the structural and dynamical properties of Milky Way-mass galaxies in cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3768-3787.	1.6	14
10	The chemo-dynamical groups of Galactic globular clusters. Monthly Notices of the Royal Astronomical Society, 2022, 513, 4107-4129.	1.6	28
11	Linking the brightest stellar streams with the accretion history of Milky Way like galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4898-4911.	1.6	6
12	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
13	The Supersonic Project: To Cool or Not to Cool Supersonically Induced Gas Objects (SIGOs)?. Astrophysical Journal, 2021, 906, 25.	1.6	10
14	The TNG50 Simulation: Highly-Resolved Galaxies in a Large Cosmological Volume to the Present Day. , 2021, , 5-22.		0
15	Dust entrainment in galactic winds. Monthly Notices of the Royal Astronomical Society, 2021, 503, 336-343.	1.6	9
16	A Tidally Induced Global Corrugation Pattern in an External Disk Galaxy Similar to the Milky Way. Astrophysical Journal, 2021, 908, 27.	1.6	13
17	Observing the Stellar Halo of Andromeda in Cosmological Simulations: The AURIGA2PANDAS Pipeline. Astrophysical Journal, 2021, 910, 92.	1.6	6
18	Velocity-dependent J-factors for annihilation radiation from cosmological simulations. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 070.	1.9	12

#	ARTICLE	IF	CITATIONS
19	Properties of the ionized CGM and IGM: tests for galaxy formation models from the Sunyaev-Zel'dovich effect. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 5131-5143.	1.6	20
20	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
21	Revisiting the tension between fast bars and the Λ CDM paradigm. <i>Astronomy and Astrophysics</i> , 2021, 650, L16.	2.1	38
22	Gas-phase metallicity gradients of TNG50 star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 3024-3048.	1.6	40
23	The physical origins and dominant emission mechanisms of Lyman alpha haloes: results from the TNG50 simulation in comparison to MUSE observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 5129-5152.	1.6	38
24	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
25	Inferring the Morphology of Stellar Distribution in TNG50: Twisted and Twisted-stretched Shapes. <i>Astrophysical Journal</i> , 2021, 918, 7.	1.6	9
26	Spatially resolved star formation and inside-out quenching in the TNG50 simulation and 3D-HST observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 219-235.	1.6	56
27	The abundance of satellites around Milky Way- and M31-like galaxies with the TNG50 simulation: a matter of diversity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 4211-4240.	1.6	41
28	Satellites around Milky Way Analogs: Tension in the Number and Fraction of Quiescent Satellites Seen in Observations versus Simulations. <i>Astrophysical Journal Letters</i> , 2021, 916, L19.	3.0	19
29	Determining the full satellite population of a Milky Way-mass halo in a highly resolved cosmological hydrodynamic simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 4953-4967.	1.6	42
30	The cumulative star formation histories of dwarf galaxies with TNG50. I: environment-driven diversity and connection to quenching. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 1652-1674.	1.6	32
31	Quiescent ultra-diffuse galaxies in the field originating from backsplash orbits. <i>Nature Astronomy</i> , 2021, 5, 1255-1260.	4.2	32
32	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
33	Molecular hydrogen in IllustrisTNG galaxies: carefully comparing signatures of environment with local CO and SFR data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 3158-3178.	1.6	25
34	An off-centred bulge or a satellite? Hydrodynamical N -body simulations of the disc galaxy NGC5474. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 2091-2111.	1.6	6
35	Dancing in the void: hydrodynamical N -body simulations of the extremely metal-poor galaxy DDO68. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 2940-2956.	1.6	4
36	The Supersonic Project: SIGOs, A Proposed Progenitor to Globular Clusters, and Their Connections to Gravitational-wave Anisotropies. <i>Astrophysical Journal</i> , 2021, 922, 86.	1.6	9

#	ARTICLE	IF	CITATIONS
37	The large-scale distribution of ionized metals in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2021, 510, 399-412.	1.6	6
38	A Comparison of Circumgalactic Mg ii Absorption between the TNG50 Simulation and the MEGAFLOW Survey. Astrophysical Journal, 2021, 923, 56.	1.6	12
39	Cosmological simulations of galaxy formation. Nature Reviews Physics, 2020, 2, 42-66.	11.9	317
40	Resolving small-scale cold circumgalactic gas in TNG50. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2391-2414.	1.6	100
41	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
42	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
43	The fate of disc galaxies in IllustrisTNG clusters. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2673-2703.	1.6	53
44	Magnetizing the circumgalactic medium of disc galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3125-3137.	1.6	40
45	The dark matter component of the Gaia radially anisotropic substructure. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 036-036.	1.9	22
46	A redshift-dependent $IR\lambda^2$ dust attenuation relation for TNG50 galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4773-4794.	1.6	21
47	The dual origin of the Galactic thick disc and halo from the gas-rich Gaia Enceladus Sausage merger. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1603-1618.	1.6	71
48	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
49	Ejective and preventative: the IllustrisTNG black hole feedback and its effects on the thermodynamics of the gas within and around galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 499, 768-792.	1.6	100
50	The orbital phase space of contracted dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2020, 495, 12-28.	1.6	17
51	High-redshift JWST predictions from IllustrisTNG: II. Galaxy line and continuum spectral indices and dust attenuation curves. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4747-4768.	1.6	31
52	Galaxy formation with BECDM II. Cosmic filaments and first galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2027-2044.	1.6	58
53	Early-type galaxy density profiles from IllustrisTNG I. Galaxy correlations and the impact of baryons. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5188-5215.	1.6	26
54	Chemodynamics of barred galaxies in cosmological simulations: On the Milky Way's quiescent merger history and in-situ bulge. Monthly Notices of the Royal Astronomical Society, 2020, 494, 5936-5960.	1.6	72

#	ARTICLE	IF	CITATIONS
55	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
56	The globular cluster system of the Auriga simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 638-648.	1.6	11
57	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
58	Subhalo destruction in the Apostle and Auriga simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 5780-5793.	1.6	46
59	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
60	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
61	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
62	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
63	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
64	The effects of subgrid models on the properties of giant molecular clouds in galaxy formation simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 5862-5872.	1.6	20
65	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
66	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
67	Structural and photometric properties of barred galaxies from the Auriga cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 1800-1819.	1.6	20
68	The IllustrisTNG simulations: public data release. <i>Computational Astrophysics and Cosmology</i> , 2019, 6, .	22.7	698
69	Simulating the effect of photoheating feedback during reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 419-437.	1.6	23
70	Dust in and around galaxies: dust in cluster environments and its impact on gas cooling. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4870-4883.	1.6	38
71	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
72	The effects of dynamical substructure on Milky Way mass estimates from the high-velocity tail of the local stellar halo. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 487, L72-L76.	1.2	34

#	ARTICLE	IF	CITATIONS
73	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
74	Simulating the interstellar medium and stellar feedback on a moving mesh: implementation and isolated galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4233-4260.	1.6	72
75	Origin of the galaxy H ₂ mass relation. Monthly Notices of the Royal Astronomical Society, 2019, 490, 96-113.	1.6	31
76	Revealing the galaxy halo connection in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5693-5711.	1.6	59
77	Imprints of temperature fluctuations on the z ≈ 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
78	Gas accretion and galactic fountain flows in the Auriga cosmological simulations: angular momentum and metal redistribution. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4786-4803.	1.6	69
79	Simulating cosmological substructure in the solar neighbourhood. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 490, L32-L37.	1.2	14
80	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
81	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
82	First Star-Forming Structures in Fuzzy Cosmic Filaments. Physical Review Letters, 2019, 123, 141301.	2.9	94
83	The Supersonic Project: Shining Light on SIGOs – A New Formation Channel for Globular Clusters. Astrophysical Journal Letters, 2019, 878, L23.	3.0	24
84	The prevalence of pseudo-bulges in the Auriga simulations. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5742-5763.	1.6	40
85	On the correlation between the local dark matter and stellar velocities. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 045-045.	1.9	12
86	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
87	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
88	A Quantification of the Butterfly Effect in Cosmological Simulations and Implications for Galaxy Scaling Relations. Astrophysical Journal, 2019, 871, 21.	1.6	65
89	No cores in dark matter-dominated dwarf galaxies with bursty star formation histories. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4790-4804.	1.6	62
90	The TNG50 Simulation of the IllustrisTNG Project: Bridging the Gap Between Large Cosmological Volumes and Resolved Galaxies. , 2019, , 5-20.		0

#	ARTICLE	IF	CITATIONS
91	Atomic and molecular gas in IllustrisTNG galaxies at low redshift. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1529-1550.	1.6	67
92	Disruption of giant molecular clouds and formation of bound star clusters under the influence of momentum stellar feedback. Monthly Notices of the Royal Astronomical Society, 2019, 487, 364-380.	1.6	62
93	A Deep Learning Approach to Galaxy Cluster X-Ray Masses. Astrophysical Journal, 2019, 876, 82.	1.6	55
94	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
95	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
96	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
97	The velocity anisotropy of the Milky Way satellite system. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2679-2694.	1.6	32
98	The local high-velocity tail and the Galactic escape speed. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3514-3526.	1.6	75
99	<sc>arepo-rt</sc>: radiation hydrodynamics on a moving mesh. Monthly Notices of the Royal Astronomical Society, 2019, 485, 117-149.	1.6	69
100	The mass of the Milky Way from satellite dynamics. Monthly Notices of the Royal Astronomical Society, 2019, 484, 5453-5467.	1.6	102
101	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
102	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
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 origin of galactic metal-rich stellar halo components with highly eccentric orbits. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4471-4483.	1.6	89
105	Ultra-diffuse galaxies in the Auriga simulations. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5182-5195.	1.6	55
106	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
107	The ALMA Spectroscopic Survey in the HUDF: the Molecular Gas Content of Galaxies and Tensions with IllustrisTNG and the Santa Cruz SAM. Astrophysical Journal, 2019, 882, 137.	1.6	65
108	The multiplicity and anisotropy of galactic satellite accretion. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1796-1810.	1.6	51

#	ARTICLE	IF	CITATIONS
109	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
110	First results from the IllustrisTNG simulations: the galaxy colour bimodality. Monthly Notices of the Royal Astronomical Society, 2018, 475, 624-647.	1.6	894
111	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
112	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
113	Simulating galaxy formation with the IllustrisTNG model. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4077-4106.	1.6	1,144
114	The uniformity and time-invariance of the intra-cluster metal distribution in galaxy clusters from the IllustrisTNG simulations. Monthly Notices of the Royal Astronomical Society, 2018, 474, 2073-2093.	1.6	71
115	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
116	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
117	Non-ideal magnetohydrodynamics on a moving mesh. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2476-2492.	1.6	14
118	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
119	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
120	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
121	A census of cool-core galaxy clusters in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1809-1831.	1.6	68
122	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
123	Faraday rotation maps of disc galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4410-4418.	1.6	44
124	Ingredients for 21 cm Intensity Mapping. Astrophysical Journal, 2018, 866, 135.	1.6	139
125	Modeling the Atomic-to-molecular Transition in Cosmological Simulations of Galaxy Formation. Astrophysical Journal, Supplement Series, 2018, 238, 33.	3.0	71
126	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

#	ARTICLE	IF	CITATIONS
127	Origin of chemically distinct discs in the Auriga cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3629-3639.	1.6	97
128	Similar star formation rate and metallicity variability time-scales drive the fundamental metallicity relation. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 477, L16-L20.	1.2	75
129	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
130	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
131	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
132	Simulating galactic dust grain evolution on a moving mesh. Monthly Notices of the Royal Astronomical Society, 2018, 478, 2851-2886.	1.6	87
133	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
134	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
135	Realistic estimation for the detectability of dark matter subhalos using Fermi-LAT catalogs. Physical Review D, 2017, 96, .	1.6	26
136	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
137	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
138	Is There a Disk of Satellites around the Milky Way?. Astrophysical Journal, 2017, 843, 62.	1.6	7
139	The survival of gas clouds in the circumgalactic medium of Milky Way-like galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 470, 114-125.	1.6	110
140	The slight spin of the old stellar halo. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1259-1273.	1.6	58
141	Simulating the dust content of galaxies: successes and failures. Monthly Notices of the Royal Astronomical Society, 2017, 468, 1505-1521.	1.6	109
142	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
143	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
144	Properties of H α discs in the Auriga cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3859-3875.	1.6	50

#	ARTICLE	IF	CITATIONS
145	Baryonic impact on the dark matter distribution in Milky Way-sized galaxies and their satellites. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1559-1580.	1.6	106
146	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
147	THE ROLE OF COSMIC-RAY PRESSURE IN ACCELERATING GALACTIC OUTFLOWS. Astrophysical Journal Letters, 2016, 827, L29.	3.0	113
148	Efficiency of gas cooling and accretion at the discâ€‘corona interface. Monthly Notices of the Royal Astronomical Society, 2016, 462, 4157-4170.	1.6	87
149	A moving mesh unstaggered constrained transport scheme for magnetohydrodynamics. Monthly Notices of the Royal Astronomical Society, 2016, 463, 477-488.	1.6	40
150	Gas-rich and gas-poor structures through the stream velocity effect. Monthly Notices of the Royal Astronomical Society, 2016, 460, 1625-1639.	1.6	26
151	Accurately simulating anisotropic thermal conduction on a moving mesh. Monthly Notices of the Royal Astronomical Society, 2016, 458, 410-424.	1.6	30
152	Galaxy formation with local photoionization feedback â€‘ II. Effect of X-ray emission from binaries and hot gas. Monthly Notices of the Royal Astronomical Society, 2016, 458, 2516-2529.	1.6	14
153	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
154	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
155	A fully cosmological model of a Monoceros-like ring. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2779-2793.	1.6	75
156	Galactic hail: the origin of the high-velocity cloud complex C. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 447, L70-L74.	1.2	61
157	The large-scale properties of simulated cosmological magnetic fields. Monthly Notices of the Royal Astronomical Society, 2015, 453, 4000-4020.	1.6	60
158	The illustris simulation: Public data release. Astronomy and Computing, 2015, 13, 12-37.	0.8	412
159	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
160	Halo mass and assembly history exposed in the faint outskirts: the stellar and dark matter haloes of Illustris galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 444, 237-249.	1.6	117
161	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
162	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

#	ARTICLE	IF	CITATIONS
163	MAGNETIC FIELDS IN COSMOLOGICAL SIMULATIONS OF DISK GALAXIES. <i>Astrophysical Journal Letters</i> , 2014, 783, L20.	3.0	121
164	Stellar feedback by radiation pressure and photoionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 2990-3006.	1.6	46
165	Estimating the Galactic Coronal Density via Ram-Pressure Stripping from Dwarf Satellites. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2014, , 167-169.	0.3	0
166	On the origin of the warm "hot absorbers in the Milky Way's halo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 1634-1647.	1.6	33
167	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
168	IONIZED ABSORBERS AS EVIDENCE FOR SUPERNOVA-DRIVEN COOLING OF THE LOWER GALACTIC CORONA. <i>Astrophysical Journal Letters</i> , 2013, 764, L21.	3.0	44
169	Fountain-driven gas accretion by the Milky Way. <i>EPJ Web of Conferences</i> , 2012, 19, 08008.	0.1	3
170	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
171	Galactic Fountains and Gas Accretion. <i>AIP Conference Proceedings</i> , 2010, , .	0.3	2
172	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
173	The mode of gas accretion on to star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , .	1.6	68
174	Exact density-potential pairs from complex-shifted axisymmetric systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 387, 1117-1125.	1.6	10
175	The Auriga Project: the properties and formation mechanisms of disc galaxies across cosmic time. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stx071.	1.6	293
176	First results from the IllustrisTNG simulations: radio haloes and magnetic fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	643
177	Assembly of supermassive black hole seeds. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	19
178	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
179	Satellites of Satellites: The Case for Carina and Fornax. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	21
180	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