

Mark Vogelsberger

List of Publications by Year in descending order

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Version: 2024-02-01

262
papers

30,657
citations

7069

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times ranked

8271
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#	ARTICLE	IF	CITATIONS
1	The dust-continuum size of TNG50 galaxies at $z=1-5$: 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
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	The <code>thesan</code> project: properties of the intergalactic medium and its connection to reionization-era galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 512, 4909-4933.	1.6	44
4	Mass of the dynamically hot inner stellar halo predicts the ancient accreted stellar mass. Astronomy and Astrophysics, 2022, 660, A20.	2.1	15
5	The evolution of the barred galaxy population in the TNG50 simulation. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5339-5357.	1.6	26
6	Cold and hot gas distribution around the Milky-Way M31 system in the HESTIA simulations. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3717-3737.	1.6	9
7	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
8	The <code>thesan</code> project: Lyman- α emission and transmission during the Epoch of Reionization. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3243-3265.	1.6	36
9	The impact of galaxy selection on the splashback boundaries of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2022, 513, 835-852.	1.6	8
10	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
11	Finding Universal Relations in Subhalo Properties with Artificial Intelligence. Astrophysical Journal, 2022, 927, 85.	1.6	21
12	The CAMELS Multifield Data Set: Learning the Universe's Fundamental Parameters with Artificial Intelligence. Astrophysical Journal, Supplement Series, 2022, 259, 61.	3.0	30
13	Introducing the <code>thesan</code> project: radiation-magnetohydrodynamic simulations of the epoch of reionization. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4005-4030.	1.6	88
14	Percent-level constraints on baryonic feedback with spectral distortion measurements. Physical Review D, 2022, 105, .	1.6	6
15	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
16	Cosmology with One Galaxy?. Astrophysical Journal, 2022, 929, 132.	1.6	10
17	Core-collapse, evaporation, and tidal effects: the life story of a self-interacting dark matter subhalo. Monthly Notices of the Royal Astronomical Society, 2022, 513, 4845-4868.	1.6	21
18	Formation and evolution of young massive clusters in galaxy mergers: the <code>SMUGGLE</code> view. Monthly Notices of the Royal Astronomical Society, 2022, 514, 265-279.	1.6	26

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19	Hermeian haloes: Field haloes that interacted with both the Milky Way and M31. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3612-3625.	1.6	3
20	Coevolution of Brightest Cluster Galaxies and Their Host Clusters in IllustrisTNG. Astrophysical Journal, 2022, 931, 31.	1.6	2
21	Early-type galaxy density profiles from IllustrisTNG – III. Effects on outer kinematic structure. Monthly Notices of the Royal Astronomical Society, 2022, 513, 6134-6151.	1.6	3
22	The formation of low surface brightness galaxies in the IllustrisTNG simulation. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5840-5852.	1.6	8
23	The <code>thesan</code> project: predictions for multitracer line intensity mapping in the epoch of reionization. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3857-3878.	1.6	31
24	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
25	The Circumgalactic Medium from the CAMELS Simulations: Forecasting Constraints on Feedback Processes from Future Sunyaev–Zeldovich Observations. Astrophysical Journal, 2022, 933, 133.	1.6	11
26	The Supersonic Project: To Cool or Not to Cool Supersonically Induced Gas Objects (SIGOs)?. Astrophysical Journal, 2021, 906, 25.	1.6	10
27	Simulating dust grain-radiation coupling on a moving mesh. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1344-1354.	1.6	4
28	Submillimetre galaxies in cosmological hydrodynamical simulations – an opportunity for constraining feedback models. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2922-2933.	1.6	20
29	ETHOS – an effective theory of structure formation: Impact of dark acoustic oscillations on cosmic dawn. Physical Review D, 2021, 103, .	1.6	14
30	Effects of initial density profiles on massive star cluster formation in giant molecular clouds. Monthly Notices of the Royal Astronomical Society, 2021, 502, 6157-6169.	1.6	14
31	Hot and counter-rotating star-forming disc galaxies in IllustrisTNG and their real-world counterparts. Monthly Notices of the Royal Astronomical Society, 2021, 503, 726-742.	1.6	11
32	Supermassive black holes in cosmological simulations I: $\langle M_{\text{BH}} \rangle$ vs $\langle M_{\text{BH}} \rangle$ relation and black hole mass function. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1940-1975.	1.6	63
33	Dust entrainment in galactic winds. Monthly Notices of the Royal Astronomical Society, 2021, 503, 336-343.	1.6	9
34	Studying galaxy cluster morphological metrics with <code>mock-X</code> . Monthly Notices of the Royal Astronomical Society, 2021, 503, 3394-3413.	1.6	5
35	The splashback boundary of haloes in hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4649-4666.	1.6	24
36	Properties of the ionized CGM and IGM: tests for galaxy formation models from the Sunyaev–Zeldovich effect. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5131-5143.	1.6	20

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37	Characterizing hydrostatic mass bias with $\langle \text{scp} \rangle$ mock-X. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2533-2550.	1.6	22
38	Morphological Types of DM Halos in Milky Way-like Galaxies in the TNG50 Simulation: Simple, Twisted, or Stretched. Astrophysical Journal, 2021, 913, 36.	1.6	15
39	The halo mass function and inner structure of ETHOS haloes at high redshift. Monthly Notices of the Royal Astronomical Society, 2021, 506, 128-138.	1.6	11
40	Gas-phase metallicity gradients of TNG50 star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3024-3048.	1.6	40
41	The onset of gravothermal core collapse in velocity-dependent self-interacting dark matter subhaloes. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5327-5339.	1.6	29
42	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
43	Quenched fractions in the IllustrisTNG simulations: comparison with observations and other theoretical models. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4760-4780.	1.6	66
44	The origin of the dust extinction curve in milky way-like galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 507, 548-559.	1.6	15
45	Inferring the Morphology of Stellar Distribution in TNG50: Twisted and Twisted-stretched Shapes. Astrophysical Journal, 2021, 918, 7.	1.6	9
46	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
47	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
48	Impact of gas-based seeding on supermassive black hole populations at $z \approx 7$. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2012-2036.	1.6	5
49	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
50	AGN and star formation at cosmic noon: comparison of data to theoretical models. Monthly Notices of the Royal Astronomical Society, 2021, 508, 762-780.	1.6	5
51	Quiescent ultra-diffuse galaxies in the field originating from backplash orbits. Nature Astronomy, 2021, 5, 1255-1260.	4.2	32
52	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
53	A deep learning approach to test the small-scale galaxy morphology and its relationship with star formation activity in hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2021, 501, 4359-4382.	1.6	38
54	Quenched, bulge-dominated, but dynamically cold galaxies in IllustrisTNG and their real-world counterparts. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5062-5074.	1.6	2

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55	Gas flows in galaxy mergers: supersonic turbulence in bridges, accretion from the circumgalactic medium, and metallicity dilution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 2720-2735.	1.6	18
56	Supermassive black holes in cosmological simulations â€“ II: the AGN population and predictions for upcoming X-ray missions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 3015-3042.	1.6	27
57	Impact of gas spin and Lyman- α flux on black hole seed formation in cosmological simulations: implications for direct collapse. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 177-196.	1.6	3
58	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
59	The large-scale distribution of ionized metals in IllustrisTNG. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 399-412.	1.6	6
60	Cosmological simulations of galaxy formation. <i>Nature Reviews Physics</i> , 2020, 2, 42-66.	11.9	317
61	Resolving small-scale cold circumgalactic gas in TNG50. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 2391-2414.	1.6	100
62	ETHOS â€“ an effective parametrization and classification for structure formation: the non-linear regime at $z \gtrsim 5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 3403-3419.	1.6	20
63	Predictions for the angular dependence of gas mass flow rate and metallicity in the circumgalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 2462-2473.	1.6	58
64	The fate of disc galaxies in IllustrisTNG clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 2673-2703.	1.6	53
65	The <i>scp</i> project: simulations of the Local Group. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 2968-2983.	1.6	56
66	A redshift-dependent IRX 2 dust attenuation relation for TNG50 galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 4773-4794.	1.6	21
67	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
68	Joint galaxyâ€“galaxy lensing and clustering constraints on galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 5804-5833.	1.6	11
69	High-redshift <i>JWST</i> 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
70	Galaxy formation with BECDM â€“ II. Cosmic filaments and first galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 2027-2044.	1.6	58
71	Early-type galaxy density profiles from IllustrisTNG â€“ I. Galaxy correlations and the impact of baryons. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 5188-5215.	1.6	26
72	X-ray signatures of black hole feedback: hot galactic atmospheres in IllustrisTNG and X-ray observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 549-570.	1.6	44

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73	A missing outskirts problem? Comparisons between stellar haloes in the Dragonfly Nearby Galaxies Survey and the TNG100 simulation. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4570-4604.	1.6	31
74	Radiative AGN feedback on a moving mesh: the impact of the galactic disc and dust physics on outflow properties. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1143-1164.	1.6	10
75	Redshift evolution of the Fundamental Plane relation in the IllustrisTNG simulation. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5930-5939.	1.6	12
76	High-redshift <i>JWST</i> predictions from IllustrisTNG: dust modelling and galaxy luminosity functions. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5167-5201.	1.6	99
77	Baryons in the Cosmic Web of IllustrisTNG – II. The connection among galaxies, haloes, their formation time, and their location in the Cosmic Web. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5747-5758.	1.6	27
78	Galaxy interactions in IllustrisTNG-100, I: The power and limitations of visual identification. Monthly Notices of the Royal Astronomical Society, 2020, 492, 2075-2094.	1.6	25
79	The relationship between black hole mass and galaxy properties: examining the black hole feedback model in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2020, 493, 1888-1906.	1.6	127
80	Self-Interacting Dark Matter Subhalos in the Milky Way's Tides. Physical Review Letters, 2020, 124, 141102.	2.9	52
81	The Formation History of Subhalos and the Evolution of Satellite Galaxies. Astrophysical Journal, 2020, 893, 139.	1.6	14
82	Quenched fractions in the IllustrisTNG simulations: the roles of AGN feedback, environment, and pre-processing. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4004-4024.	1.6	86
83	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
84	Simulating the interstellar medium of galaxies with radiative transfer, non-equilibrium thermochemistry, and dust. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5732-5748.	1.6	27
85	The distinct stellar-to-halo mass relations of satellite and central galaxies: insights from the IllustrisTNG simulations. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3957-3975.	1.6	32
86	Is there enough star formation in simulated protoclusters?. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1803-1822.	1.6	17
87	Correlations between Black Holes and Host Galaxies in the Illustris and IllustrisTNG Simulations. Astrophysical Journal, 2020, 895, 102.	1.6	24
88	AREPO-MCRT: Monte Carlo Radiation Hydrodynamics on a Moving Mesh. Astrophysical Journal, 2020, 905, 27.	1.6	12
89	The IllustrisTNG simulations: public data release. Computational Astrophysics and Cosmology, 2019, 6, .	22.7	698
90	Simulating the effect of photoheating feedback during reionization. Monthly Notices of the Royal Astronomical Society, 2019, 488, 419-437.	1.6	23

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91	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
92	Morphology and star formation in IllustrisTNG: the build-up of spheroids and discs. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5416-5440.	1.6	109
93	Separate Universe simulations with IllustrisTNG: baryonic effects on power spectrum responses and higher-order statistics. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2079-2092.	1.6	39
94	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
95	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
96	Revealing the galaxy-halo connection in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5693-5711.	1.6	59
97	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
98	The Hubble Sequence at $z \approx 0$ in the IllustrisTNG simulation with deep learning. Monthly Notices of the Royal Astronomical Society, 2019, 489, 1859-1879.	1.6	51
99	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
100	First Star-Forming Structures in Fuzzy Cosmic Filaments. Physical Review Letters, 2019, 123, 141301.	2.9	94
101	The Supersonic Project: Shining Light on SIGOs – A New Formation Channel for Globular Clusters. Astrophysical Journal Letters, 2019, 878, L23.	3.0	24
102	Star formation at the edge of the Local Group: a rising star formation history in the isolated galaxy WLM. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5538-5550.	1.6	21
103	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
104	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
105	Shape of dark matter haloes in the Illustris simulation: effects of baryons. Monthly Notices of the Royal Astronomical Society, 2019, 484, 476-493.	1.6	71
106	A Quantification of the Butterfly Effect in Cosmological Simulations and Implications for Galaxy Scaling Relations. Astrophysical Journal, 2019, 871, 21.	1.6	65
107	Automated distant galaxy merger classifications from Space Telescope images using the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2019, 486, 3702-3720.	1.6	38
108	Atomic and molecular gas in IllustrisTNG galaxies at low redshift. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1529-1550.	1.6	67

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109	ETHOS – an Effective Theory of Structure Formation: detecting dark matter interactions through the Lyman- α forest. Monthly Notices of the Royal Astronomical Society, 2019, 487, 522-536.	1.6	23
110	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
111	A Deep Learning Approach to Galaxy Cluster X-Ray Masses. Astrophysical Journal, 2019, 876, 82.	1.6	55
112	ETHOS – an effective theory of structure formation: formation of the first haloes and their stars. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5474-5489.	1.6	14
113	Evaporating the Milky Way halo and its satellites with inelastic self-interacting dark matter. Monthly Notices of the Royal Astronomical Society, 2019, 484, 5437-5452.	1.6	46
114	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
115	<sc>arepo-rt</sc>: radiation hydrodynamics on a moving mesh. Monthly Notices of the Royal Astronomical Society, 2019, 485, 117-149.	1.6	69
116	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
117	Jellyfish galaxies with the IllustrisTNG simulations – I. Gas-stripping phenomena in the full cosmological context. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1042-1066.	1.6	102
118	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
119	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
120	Linking galaxy structural properties and star formation activity to black hole activity with IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4413-4443.	1.6	59
121	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
122	Sloshing of Galaxy Cluster Core Plasma in the Presence of Self-interacting Dark Matter. Astrophysical Journal, 2019, 882, 119.	1.6	8
123	Diverse dark matter density at sub-kiloparsec scales in Milky Way satellites: Implications for the nature of dark matter. Physical Review D, 2019, 100, .	1.6	47
124	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
125	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
126	The abundance, distribution, and physical nature of highly ionized oxygen O α , O β , and O γ in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2018, 477, 450-479.	1.6	133

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127	First results from the IllustrisTNG simulations: the galaxy colour bimodality. Monthly Notices of the Royal Astronomical Society, 2018, 475, 624-647.	1.6	894
128	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
129	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
130	Simulating galaxy formation with the IllustrisTNG model. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4077-4106.	1.6	1,144
131	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
132	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
133	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
134	Non-ideal magnetohydrodynamics on a moving mesh. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2476-2492.	1.6	14
135	Galaxy mergers moulding the circum-galactic medium – I. The impact of a major merger. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1160-1176.	1.6	44
136	Towards an improved model of self-interacting dark matter haloes. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 038-038.	1.9	24
137	ETHOS – an effective theory of structure formation: predictions for the high-redshift Universe – abundance of galaxies and reionization. Monthly Notices of the Royal Astronomical Society, 2018, 477, 2886-2899.	1.6	42
138	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
139	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
140	Gravitational lensing and the power spectrum of dark matter substructure: Insights from the ETHOS N -body simulations. Physical Review D, 2018, 98, .	1.6	32
141	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
142	A census of cool-core galaxy clusters in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1809-1831.	1.6	68
143	Ingredients for 21 cm Intensity Mapping. Astrophysical Journal, 2018, 866, 135.	1.6	139
144	Modeling the Atomic-to-molecular Transition in Cosmological Simulations of Galaxy Formation. Astrophysical Journal, Supplement Series, 2018, 238, 33.	3.0	71

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145	The structure and assembly history of cluster-sized haloes in self-interacting dark matter. Monthly Notices of the Royal Astronomical Society, 2018, 474, 746-759.	1.6	35
146	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
147	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
148	Galaxy Zoo: Morphological Classification of Galaxy Images from the Illustris Simulation. Astrophysical Journal, 2018, 853, 194.	1.6	20
149	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
150	Simulating galactic dust grain evolution on a moving mesh. Monthly Notices of the Royal Astronomical Society, 2018, 478, 2851-2886.	1.6	87
151	The impact of baryonic discs on the shapes and profiles of self-interacting dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2018, 479, 359-367.	1.6	46
152	DDO 216-A1: A Central Globular Cluster in a Low-luminosity Transition-type Galaxy. Astrophysical Journal, 2017, 837, 54.	1.6	17
153	On the OVI abundance in the circumgalactic medium of low-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 465, 2966-2982.	1.6	58
154	Increasing Black Hole Feedback-induced Quenching with Anisotropic Thermal Conduction. Astrophysical Journal Letters, 2017, 837, L18.	3.0	40
155	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
156	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
157	A rumble in the dark: signatures of self-interacting dark matter in supermassive black hole dynamics and galaxy density profiles. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2845-2854.	1.6	36
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