

FIRE-2 simulations: physics versus numerics in galaxy f

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Galaxy Inclination and the IRX $\hat{\epsilon}^{\hat{1}2}$ Relation: Effects on UV Star Formation Rate Measurements at Intermediate to High Redshifts. <i>Astrophysical Journal</i> , 2018, 869, 161.	1.6	18
2	Galaxies Probing Galaxies in PRIMUS. II. The Coherence Scale of the Cool Circumgalactic Medium. <i>Astrophysical Journal</i> , 2018, 868, 142.	1.6	24
3	Cold Exponential Disks from Interstellar Fountains. <i>Astrophysical Journal Letters</i> , 2018, 868, L15.	3.0	5
4	Imaging Spectroscopy of Ionized Gaseous Nebulae around Optically Faint AGNs at Redshift $z\hat{\wedge}^{1/4}\hat{\wedge}2$ . <i>Astrophysical Journal</i> , 2018, 866, 119.	1.6	12
5	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
6	On the Interpretation of Far-infrared Spectral Energy Distributions. I. The 850 $\hat{1}4$ m Molecular Mass Estimator. <i>Astrophysical Journal</i> , 2018, 867, 102.	1.6	21
7	Missing Satellites Problem: Completeness Corrections to the Number of Satellite Galaxies in the Milky Way are Consistent with Cold Dark Matter Predictions. <i>Physical Review Letters</i> , 2018, 121, 211302.	2.9	141
8	The rapid growth phase of supermassive black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 3118-3128.	1.6	58
9	A Theory for the Variation of Dust Attenuation Laws in Galaxies. <i>Astrophysical Journal</i> , 2018, 869, 70.	1.6	85
10	Reconciling Observed and Simulated Stellar Halo Masses. <i>Astrophysical Journal</i> , 2018, 869, 12.	1.6	48
11	A Redshift-independent Efficiency Model: Star Formation and Stellar Masses in Dark Matter Halos at $z\hat{\wedge}^3\hat{\wedge}4$ . <i>Astrophysical Journal</i> , 2018, 868, 92.	1.6	145
12	The origin of the diverse morphologies and kinematics of Milky Way-mass galaxies in the FIRE-2 simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 4133-4157.	1.6	91
13	Stellar feedback and the energy budget of late-type Galaxies: missing baryons and core creation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 4287-4301.	1.6	8
14	Pushing back the limits: detailed properties of dwarf galaxies in a $\hat{1}$ CDM universe. <i>Astronomy and Astrophysics</i> , 2018, 616, A96.	2.1	78
15	From the top down and back up again: star cluster structure from hierarchical star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 688-702.	1.6	36
16	Stellar Radiation Is Critical for Regulating Star Formation and Driving Outflows in Low-mass Dwarf Galaxies. <i>Astrophysical Journal Letters</i> , 2018, 865, L22.	3.0	51
17	Testing the Breathing Mode in Intermediate-mass Galaxies and Its Predicted Star Formation Rate-size Anti-correlation $\langle \sup \rangle \langle \sup \rangle$ . <i>Astrophysical Journal Letters</i> , 2018, 866, L21.	3.0	6
18	No assembly required: mergers are mostly irrelevant for the growth of low-mass dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 319-331.	1.6	48

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20	The Future of Dwarf Galaxy Research: What Simulations will Predict?. Proceedings of the International Astronomical Union, 2018, 14, 17-26.	0.0	0
21	Resolution requirements and resolution problems in simulations of radiative feedback in dusty gas. Monthly Notices of the Royal Astronomical Society, 2018, 480, 3468-3482.	1.6	22
22	Predicting the binary black hole population of the Milky Way with cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2704-2718.	1.6	64
23	Numerical Methods for Simulating Star Formation. Frontiers in Astronomy and Space Sciences, 2019, 6, .	1.1	16
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26	Post-Newtonian dynamics in dense star clusters: Binary black holes in the LISA band. Physical Review D, 2019, 99, .	1.6	73
27	The IllustrisTNG simulations: public data release. Computational Astrophysics and Cosmology, 2019, 6, .	22.7	698
28	NIHAO XVI: the properties and evolution of kinematically selected discs, bulges, and stellar haloes. Monthly Notices of the Royal Astronomical Society, 2019, 487, 4424-4456.	1.6	27
29	The origins of the circumgalactic medium in the FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1248-1272.	1.6	132
30	HALO7D II: The Halo Velocity Ellipsoid and Velocity Anisotropy with Distant Main-sequence Stars. Astrophysical Journal, 2019, 879, 120.	1.6	17
31	The possible hierarchical scales of observed clumps in high-redshift disc galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 488, 306-323.	1.6	10
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34	On the nature of variations in the measured star formation efficiency of molecular clouds. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1501-1518.	1.6	41
35	Baryon-induced dark matter cores in the eagle simulations. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2387-2404.	1.6	78
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38	Star Clusters Across Cosmic Time. Annual Review of Astronomy and Astrophysics, 2019, 57, 227-303.	8.1	363
39	Local photoionization feedback effects on galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1518-1538.	1.6	10
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41	Dark and luminous satellites of LMC-mass galaxies in the FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5348-5364.	1.6	38
42	Dwarf galaxies in CDM, WDM, and SIDM: disentangling baryons and dark matter physics. Monthly Notices of the Royal Astronomical Society, 2019, 490, 962-977.	1.6	54
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47	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
48	The dust-to-gas and dust-to-metal ratio in galaxies from $z = 0$ to $z = 6$ . Monthly Notices of the Royal Astronomical Society, 2019, 490, 1425-1436.	1.6	106
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50	The life cycle of the Central Molecular Zone “ I. Inflow, star formation, and winds. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4401-4418.	1.6	52
51	Deep learning predictions of galaxy merger stage and the importance of observational realism. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5390-5413.	1.6	69
52	Simulating cosmological substructure in the solar neighbourhood. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 490, L32-L37.	1.2	14
53	MusE GAs FLOW and Wind (MEGAFLOW) “ III. Galactic wind properties using background quasars. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4368-4381.	1.6	81
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56	Be it therefore resolved: cosmological simulations of dwarf galaxies with 30 solar mass resolution. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4447-4463.	1.6	139
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59	Predicting the LISA white dwarf binary population in the Milky Way with cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5888-5903.	1.6	95
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64	The Impact of Enhanced Halo Resolution on the Simulated Circumgalactic Medium. Astrophysical Journal, 2019, 882, 156.	1.6	128
65	The Implications of Local Fluctuations in the Galactic Midplane for Dynamical Analysis in the Gaia Era. Astrophysical Journal, 2019, 883, 103.	1.6	13
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68	Clumpy galaxies in cosmological simulations: the effect of ISM model. Monthly Notices of the Royal Astronomical Society, 2019, 488, 4400-4412.	1.6	12
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77	The Local Group on FIRE: dwarf galaxy populations across a suite of hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1380-1399.	1.6	137
78	Deep into the structure of the first galaxies: SERRA views. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1689-1708.	1.6	90
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88	NIHAO XX: the impact of the star formation threshold on the cuspy core transformation of cold dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2019, 486, 655-671.	1.6	46
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90	A diversity of starburst-triggering mechanisms in interacting galaxies and their signatures in CO emission. Astronomy and Astrophysics, 2019, 625, A65.	2.1	28

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93	The Galaxy-Halo Connection in Low-mass Halos. <i>Astrophysical Journal Letters</i> , 2019, 871, L21.	3.0	12
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98	Interacting galaxies on FIRE-2: the connection between enhanced star formation and interstellar gas content. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1320-1338.	1.6	75
99	Cosmological simulations of dwarfs: the need for ISM physics beyond SN feedback alone. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 3317-3333.	1.6	27
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102	arepo-rt: radiation hydrodynamics on a moving mesh. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 117-149.	1.6	69
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104	The first supermassive black holes: indications from models for future observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 2694-2709.	1.6	29
105	Comparison of cosmological simulations and deep submillimetre galaxy surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 1852-1864.	1.6	18
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110	Supernova-driven winds in simulated dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 483, 3363-3381.	1.6	64
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118	CosmoDC2: A Synthetic Sky Catalog for Dark Energy Science with LSST. Astrophysical Journal, Supplement Series, 2019, 245, 26.	3.0	67
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146	Kinematic Decomposition of IllustrisTNG Disk Galaxies: Morphology and Relation with Morphological Structures. <i>Astrophysical Journal</i> , 2020, 895, 139.	1.6	22
147	Probing the CGM of low-redshift dwarf galaxies using FIRE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 1038-1053.	1.6	8
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155	Rapid filamentary accretion as the origin of extended thin discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 4346-4356.	1.6	23
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