

# Philip F Hopkins

## List of Publications by Year in descending order

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272  
papers

32,813  
citations

3531  
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4228  
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275  
docs citations

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9140  
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#	ARTICLE	IF	CITATIONS
1	Black hole–galaxy scaling relations in FIRE: the importance of black hole location and mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 506-535.	4.4	15
2	Probing Hot Gas Components of the Circumgalactic Medium in Cosmological Simulations with the Thermal Sunyaev–Zeldovich Effect. <i>Astrophysical Journal</i> , 2022, 926, 179.	4.5	9
3	Galaxies lacking dark matter produced by close encounters in a cosmological simulation. <i>Nature Astronomy</i> , 2022, 6, 496-502.	10.1	31
4	The dynamics and outcome of star formation with jets, radiation, winds, and supernovae in concert. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 216-232.	4.4	53
5	Numerical study of cosmic ray confinement through dust resonant drag instabilities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 282-295.	4.4	6
6	Amplified J-factors in the Galactic Centre for velocity-dependent dark matter annihilation in FIRE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 55-70.	4.4	12
7	Hot-mode accretion and the physics of thin-disc galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 5056-5073.	4.4	32
8	The In Situ Origins of Dwarf Stellar Outskirts in FIRE-2. <i>Astrophysical Journal</i> , 2022, 931, 152.	4.5	9
9	Cluster assembly and the origin of mass segregation in the STARFORGE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 167-184.	4.4	19
10	The observability of galaxy merger signatures in nearby gas-rich spirals. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 3406-3419.	4.4	10
11	First predicted cosmic ray spectra, primary-to-secondary ratios, and ionization rates from MHD galaxy formation simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 3470-3514.	4.4	22
12	Dust in the wind with resonant drag instabilities I. The dynamics of dust-driven outflows in GMCs and H <sub>2</sub> regions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 1491-1517.	4.4	7
13	Spatially resolved star formation and fuelling in galaxy interactions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3113-3133.	4.4	52
14	Characterizing mass, momentum, energy, and metal outflow rates of multiphase galactic winds in the FIRE-2 cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2979-3008.	4.4	56
15	The IRX– $\sigma_8$ relation of high-redshift galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 3210-3241.	4.4	20
16	The impact of astrophysical dust grains on the confinement of cosmic rays. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 2630-2644.	4.4	21
17	First light from tidal disruption events. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 4885-4905.	4.4	25
18	Fiery Cores: Bursty and Smooth Star Formation Distributions across Galaxy Centers in Cosmological Zoom-in Simulations. <i>Astrophysical Journal Letters</i> , 2021, 908, L31.	8.3	9

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19	STARFORGE: the effects of protostellar outflows on the IMF. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3646-3663.	4.4	39
20	The Origin and Evolution of Ly $\alpha$ Blobs in Cosmological Galaxy Formation Simulations. Astrophysical Journal, 2021, 909, 119.	4.5	9
21	Virialization of the Inner CGM in the FIRE Simulations and Implications for Galaxy Disks, Star Formation, and Feedback. Astrophysical Journal, 2021, 911, 88.	4.5	66
22	Planes of satellites around Milky Way/M31-mass galaxies in the FIRE simulations and comparisons with the Local Group. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1379-1397.	4.4	40
23	The mass budget for intermediate-mass black holes in dense star clusters. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2753-2763.	4.4	9
24	Virial shocks are suppressed in cosmic ray-dominated galaxy haloes. Monthly Notices of the Royal Astronomical Society, 2021, 505, 259-273.	4.4	23
25	STARFORGE: Towards a comprehensive numerical model of star cluster formation and feedback. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2199-2231.	4.4	73
26	The bursty origin of the Milky Way thick disc. Monthly Notices of the Royal Astronomical Society, 2021, 505, 889-902.	4.4	32
27	Which AGN jets quench star formation in massive galaxies?. Monthly Notices of the Royal Astronomical Society, 2021, 507, 175-204.	4.4	31
28	The central densities of Milky Way-mass galaxies in cold and self-interacting dark matter models. Monthly Notices of the Royal Astronomical Society, 2021, 507, 720-729.	4.4	31
29	SMBH seeds from dissipative dark matter. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 039.	5.4	12
30	Dissipative dark matter on FIRE $\alpha^c$ I. Structural and kinematic properties of dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4421-4445.	4.4	18
31	A model for the formation of stellar associations and clusters from giant molecular clouds. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3239-3258.	4.4	48
32	Neutral CGM as damped Ly $\alpha$ absorbers at high redshift. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2869-2884.	4.4	17
33	Cosmological Simulations of Quasar Fueling to Subparsec Scales Using Lagrangian Hyper-refinement. Astrophysical Journal, 2021, 917, 53.	4.5	49
34	Seeds don't sink: even massive black hole "seeds" cannot migrate to galaxy centres efficiently. Monthly Notices of the Royal Astronomical Society, 2021, 508, 1973-1985.	4.4	34
35	Progenitor-mass-dependent yields amplify intrinsic scatter in dwarf-galaxy elemental abundance ratios. Monthly Notices of the Royal Astronomical Society, 2021, 508, 508-515.	4.4	6
36	A consistent reduced-speed-of-light formulation of cosmic ray transport valid in weak- and strong-scattering regimes. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3779-3797.	4.4	15

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37	SatGen: a semi-analytical satellite galaxy generator – I. The model and its application to Local-Group satellite statistics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 621-641.	4.4	44
38	Cosmic ray driven outflows to Mpc scales from $L^*$ galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 3640-3662.	4.4	52
39	Testing physical models for cosmic ray transport coefficients on galactic scales: self-confinement and extrinsic turbulence at $\sim 1/4$ GeV energies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 4184-4213.	4.4	64
40	Effects of different cosmic ray transport models on galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 3663-3669.	4.4	41
41	A relationship between stellar metallicity gradients and galaxy age in dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 5121-5134.	4.4	25
42	The acoustic resonant drag instability with a spectrum of grain sizes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 110-130.	4.4	6
43	Gas infall and radial transport in cosmological simulations of milky way-mass discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 4149-4170.	4.4	30
44	Why do black holes trace bulges (& central surface densities), instead of galaxies as a whole?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 630-638.	4.4	15
45	On the survival of cool clouds in the circumgalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 1841-1854.	4.4	67
46	Swirls of FIRE: spatially resolved gas velocity dispersions and star formation rates in FIRE-2 disc environments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1620-1637.	4.4	32
47	Properties of the circumgalactic medium in cosmic ray-dominated galaxy haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 4221-4238.	4.4	99
48	No missing photons for reionization: moderate ionizing photon escape fractions from the FIRE-2 simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 2001-2017.	4.4	75
49	Pressure balance in the multiphase ISM of cosmologically simulated disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 3664-3683.	4.4	35
50	Probing the CGM of low-redshift dwarf galaxies using FIRE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 1038-1053.	4.4	8
51	Cataloging accreted stars within $Gaia$ DR2 using deep learning. <i>Astronomy and Astrophysics</i> , 2020, 636, A75.	5.1	17
52	The bolometric quasar luminosity function at $z = 0-7$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 3252-3275.	4.4	150
53	Can magnetized turbulence set the mass scale of stars?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 5072-5088.	4.4	24
54	The impact of AGN wind feedback in simulations of isolated galaxies with a multiphase ISM. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 5292-5308.	4.4	30

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55	A dark matter profile to model diverse feedback-induced core sizes of $\Lambda$ CDM haloes. Monthly Notices of the Royal Astronomical Society, 2020, 497, 2393-2417.	4.4	71
56	Measuring dynamical masses from gas kinematics in simulated high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4051-4065.	4.4	28
57	Simulating diverse instabilities of dust in magnetized gas. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2123-2154.	4.4	19
58	Live fast, die young: GMC lifetimes in the FIRE cosmological simulations of Milky Way mass galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3993-3999.	4.4	37
59	Physical models of streaming instabilities in protoplanetary discs. Monthly Notices of the Royal Astronomical Society, 2020, 498, 1239-1251.	4.4	22
60	The Keck Baryonic Structure Survey: using foreground/background galaxy pairs to trace the structure and kinematics of circumgalactic neutral hydrogen at $z \approx 2$ . Monthly Notices of the Royal Astronomical Society, 2020, 499, 1721-1746.	4.4	37
61	Reproducing the CO-to-H <sub>2</sub> conversion factor in cosmological simulations of Milky-Way-mass galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 499, 837-850.	4.4	11
62	Most stars (and planets?) are born in intense radiation fields. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 495, L86-L91.	3.3	12
63	A general-purpose time-step criterion for simulations with gravity. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4306-4313.	4.4	11
64	Synthetic Gaia Surveys from the FIRE Cosmological Simulations of Milky Way-mass Galaxies. Astrophysical Journal, Supplement Series, 2020, 246, 6.	7.7	77
65	The universal acceleration scale from stellar feedback. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 496, L127-L132.	3.3	9
66	Evidence for a vast prograde stellar stream in the solar vicinity. Nature Astronomy, 2020, 4, 1078-1083.	10.1	44
67	But what about...: cosmic rays, magnetic fields, conduction, and viscosity in galaxy formation. Monthly Notices of the Royal Astronomical Society, 2020, 492, 3465-3498.	4.4	107
68	Radiative stellar feedback in galaxy formation: Methods and physics. Monthly Notices of the Royal Astronomical Society, 2020, 491, 3702-3729.	4.4	64
69	Cosmic rays or turbulence can suppress cooling flows (where thermal heating or momentum) $T_j \approx 10^8 \text{ K}$ . Monthly Notices of the Royal Astronomical Society, 2020, 493, 4315-4332.	4.4	39
70	A profile in FIRE: resolving the radial distributions of satellite galaxies in the Local Group with simulations. Monthly Notices of the Royal Astronomical Society, 2020, 491, 1471-1490.	4.4	77
71	Self-consistent proto-globular cluster formation in cosmological simulations of high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4315-4332.	4.4	59
72	Stars made in outflows may populate the stellar halo of the Milky Way. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1539-1559.	4.4	24

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73	Realistic mock observations of the sizes and stellar mass surface densities of massive galaxies in FIRE-2 zoom-in simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 1591-1602.	4.4	29
74	A Census of Sub-kiloparsec Resolution Metallicity Gradients in Star-forming Galaxies at Cosmic Noon from HST Slitless Spectroscopy. <i>Astrophysical Journal</i> , 2020, 900, 183.	4.5	26
75	The origins of the circumgalactic medium in the FIRE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 1248-1272.	4.4	132
76	Predictions for the spatial distribution of the dust continuum emission in $\Lambda$ CDM star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 1779-1789.	4.4	61
77	On the nature of variations in the measured star formation efficiency of molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 1501-1518.	4.4	41
78	The failure of stellar feedback, magnetic fields, conduction, and morphological quenching in maintaining red galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4393-4408.	4.4	38
79	Dwarf galaxies in CDM, WDM, and SIDM: disentangling baryons and dark matter physics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 962-977.	4.4	54
80	A stable finite-volume method for scalar field dark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 2367-2376.	4.4	13
81	Be it therefore resolved: cosmological simulations of dwarf galaxies with 30 solar mass resolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4447-4463.	4.4	139
82	Cosmic ray feedback in the FIRE simulations: constraining cosmic ray propagation with GeV $\gamma$ -ray emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 3716-3744.	4.4	106
83	On the dust temperatures of high-redshift galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1397-1422.	4.4	97
84	The Impact of Enhanced Halo Resolution on the Simulated Circumgalactic Medium. <i>Astrophysical Journal</i> , 2019, 882, 156.	4.5	128
85	A predicted correlation between age gradient and star formation history in FIRE dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 1186-1201.	4.4	20
86	Star formation at the edge of the Local Group: a rising star formation history in the isolated galaxy WLM. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5538-5550.	4.4	21
87	The elephant in the room: the importance of the details of massive star formation in molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 2970-2975.	4.4	23
88	Star formation histories of dwarf galaxies in the FIRE simulations: dependence on mass and Local Group environment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 4574-4588.	4.4	83
89	Non-linear evolution of instabilities between dust and sound waves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 325-338.	4.4	17
90	A simple non-equilibrium feedback model for galaxy-scale star formation: delayed feedback and SFR scatter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 4724-4737.	4.4	29

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91	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.	4.4	137
92	Dust attenuation, dust emission, and dust temperature in galaxies at $z \approx 5$ : a view from the FIRE-2 simulations. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1844-1864.	4.4	87
93	Formation, vertex deviation, and age of the Milky Way's bulge: input from a cosmological simulation with a late-forming bar. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5073-5085.	4.4	31
94	Non-linear evolution of the resonant drag instability in magnetized gas. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3991-3998.	4.4	21
95	What drives the evolution of gas kinematics in star-forming galaxies?. Monthly Notices of the Royal Astronomical Society, 2019, 482, 5125-5137.	4.4	30
96	Interacting galaxies on FIRE-2: the connection between enhanced star formation and interstellar gas content. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1320-1338.	4.4	75
97	The robustness of cosmological hydrodynamic simulation predictions to changes in numerics and cooling physics. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2021-2046.	4.4	12
98	The physics of Lyman- $\alpha$ escape from high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 484, 39-59.	4.4	76
99	The maximum stellar surface density due to the failure of stellar feedback. Monthly Notices of the Royal Astronomical Society, 2019, 483, 5548-5553.	4.4	12
100	Local Simulations of MRI turbulence with Meshless Methods. Astrophysical Journal, Supplement Series, 2019, 241, 26.	7.7	24
101	Is it possible to reconcile extragalactic IMF variations with a universal Milky Way IMF?. Monthly Notices of the Royal Astronomical Society, 2019, 485, 4852-4862.	4.4	23
102	Warm FIRE: simulating galaxy formation with resonant sterile neutrino dark matter. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4086-4099.	4.4	34
103	Dynamic localized turbulent diffusion and its impact on the galactic ecosystem. Monthly Notices of the Royal Astronomical Society, 2019, 483, 3810-3831.	4.4	23
104	Extreme variations in star formation activity in the first galaxies. Proceedings of the International Astronomical Union, 2019, 15, 226-230.	0.0	0
105	The Radial Acceleration Relation Is a Natural Consequence of the Baryonic Tully-Fisher Relation. Astrophysical Journal, 2019, 882, 46.	4.5	7
106	High-redshift Galaxy Formation with Self-consistently Modeled Stars and Massive Black Holes: Stellar Feedback and Quasar Growth. Astrophysical Journal, 2019, 887, 120.	4.5	11
107	Under the FIRElight: Stellar Tracers of the Local Dark Matter Velocity Distribution in the Milky Way. Astrophysical Journal, 2019, 883, 27.	4.5	40
108	Numerical problems in coupling photon momentum (radiation pressure) to gas. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4187-4196.	4.4	30

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109	When feedback fails: the scaling and saturation of star formation efficiency. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3511-3528.	4.4	120
110	On the deuterium abundance and the importance of stellar mass loss in the interstellar and intergalactic medium. Monthly Notices of the Royal Astronomical Society, 2018, 477, 80-92.	4.4	9
111	Resonant Drag Instability of Grains Streaming in Fluids. Astrophysical Journal Letters, 2018, 856, L15.	8.3	53
112	Stellar feedback strongly alters the amplification and morphology of galactic magnetic fields. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 473, L111-L115.	3.3	23
113	Submillimetre flux as a probe of molecular ISM mass in high- $z$ galaxies. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 478, L83-L88.	3.3	37
114	Ubiquitous instabilities of dust moving in magnetized gas. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4681-4719.	4.4	35
115	Reconciling Observed and Simulated Stellar Halo Masses. Astrophysical Journal, 2018, 869, 12.	4.5	48
116	The origin of the diverse morphologies and kinematics of Milky Way-mass galaxies in the FIRE-2 simulations. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4133-4157.	4.4	91
117	From the top down and back up again: star cluster structure from hierarchical star formation. Monthly Notices of the Royal Astronomical Society, 2018, 481, 688-702.	4.4	36
118	No assembly required: mergers are mostly irrelevant for the growth of low-mass dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 479, 319-331.	4.4	48
119	Isothermal Fragmentation: Is there a low-mass cut-off?. Monthly Notices of the Royal Astronomical Society, 2018, 480, 182-191.	4.4	33
120	Simulating galaxies in the reionization era with FIRE-2: morphologies and sizes. Monthly Notices of the Royal Astronomical Society, 2018, 477, 219-229.	4.4	48
121	FIRE-2 simulations: physics versus numerics in galaxy formation. Monthly Notices of the Royal Astronomical Society, 2018, 480, 800-863.	4.4	676
122	The origin of ultra diffuse galaxies: stellar feedback and quenching. Monthly Notices of the Royal Astronomical Society, 2018, 478, 906-925.	4.4	125
123	The resonant drag instability (RDI): acoustic modes. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2813-2838.	4.4	24
124	Discrete Effects in Stellar Feedback: Individual Supernovae, Hypernovae, and IMF Sampling in Dwarf Galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 480, 1666-1675.	4.4	38
125	Gas kinematics, morphology and angular momentum in the FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2018, 473, 1930-1955.	4.4	131
126	Modelling chemical abundance distributions for dwarf galaxies in the Local Group: the impact of turbulent metal diffusion. Monthly Notices of the Royal Astronomical Society, 2018, 474, 2194-2211.	4.4	111



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127	Formation of globular cluster candidates in merging proto-galaxies at high redshift: a view from the FIRE cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4232-4244.	4.4	79
128	SDSS-IV MaNGA: constraints on the conditions for star formation in galaxy discs. Monthly Notices of the Royal Astronomical Society, 2018, 474, 2323-2333.	4.4	7
129	Resonant drag instabilities in protoplanetary discs: the streaming instability and new, faster growing instabilities. Monthly Notices of the Royal Astronomical Society, 2018, 477, 5011-5040.	4.4	93
130	Universal scaling relations in scale-free structure formation. Monthly Notices of the Royal Astronomical Society, 2018, 477, 5139-5149.	4.4	40
131	What FIREs up star formation: the emergence of the Kennicutt-Schmidt law from feedback. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3653-3673.	4.4	91
132	Gas kinematics in FIRE simulated galaxies compared to spatially unresolved H $\alpha$ observations. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1536-1548.	4.4	37
133	How to model supernovae in simulations of star and galaxy formation. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1578-1603.	4.4	140
134	Where are the most ancient stars in the Milky Way?. Monthly Notices of the Royal Astronomical Society, 2018, 480, 652-668.	4.4	96
135	Predicting the binary black hole population of the Milky Way with cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2704-2718.	4.4	64
136	Simulating galaxies in the reionization era with FIRE-2: galaxy scaling relations, stellar mass functions, and luminosity functions. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1694-1715.	4.4	106
137	When the Jeans Do Not Fit: How Stellar Feedback Drives Stellar Kinematics and Complicates Dynamical Modeling in Low-mass Galaxies. Astrophysical Journal, 2017, 835, 193.	4.5	41
138	Anisotropic diffusion in mesh-free numerical magnetohydrodynamics. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3387-3405.	4.4	80
139	The no-spin zone: rotation versus dispersion support in observed and simulated dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 465, 2420-2431.	4.4	80
140	The dynamics of charged dust in magnetized molecular clouds. Monthly Notices of the Royal Astronomical Society, 2017, 469, 3532-3540.	4.4	33
141	The structure and dynamical evolution of the stellar disc of a simulated Milky Way-mass galaxy. Monthly Notices of the Royal Astronomical Society, 2017, 467, 2430-2444.	4.4	125
142	Gaia Reveals a Metal-rich, in situ Component of the Local Stellar Halo. Astrophysical Journal, 2017, 845, 101.	4.5	142
143	Gravitational torque-driven black hole growth and feedback in cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2840-2853.	4.4	162
144	The cosmic baryon cycle and galaxy mass assembly in the FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4698-4719.	4.4	289

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145	Not so lumpy after all: modelling the depletion of dark matter subhaloes by Milky Way-like galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1709-1727.	4.4	242
146	An instability of feedback-regulated star formation in galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2017, 467, 2301-2314.	4.4	42
147	Stacked Star Formation Rate Profiles of Bursty Galaxies Exhibit "Coherent" Star Formation. Astrophysical Journal Letters, 2017, 849, L2.	8.3	19
148	High Angular Momentum Halo Gas: A Feedback and Code-independent Prediction of LCDM. Astrophysical Journal, 2017, 843, 47.	4.5	74
149	(Star)bursts of FIRE: observational signatures of bursty star formation in galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 466, 88-104.	4.4	169
150	Colours, star formation rates and environments of star-forming and quiescent galaxies at the cosmic noon. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1050-1072.	4.4	65
151	Feedback first: the surprisingly weak effects of magnetic fields, viscosity, conduction and metal diffusion on sub- $L^*$ galaxy formation. Monthly Notices of the Royal Astronomical Society, 2017, 471, 144-166.	4.4	113
152	Metal flows of the circumgalactic medium, and the metal budget in galactic haloes. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4170-4188.	4.4	119
153	Protostellar feedback in turbulent fragmentation: consequences for stellar clustering and multiplicity. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4093-4106.	4.4	24
154	fire in the field: simulating the threshold of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2017, 471, 3547-3562.	4.4	173
155	SIDM on fire: hydrodynamical self-interacting dark matter simulations of low-mass dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2945-2954.	4.4	61
156	Testing the Recovery of Intrinsic Galaxy Sizes and Masses of $z \sim 1/4$ Massive Galaxies Using Cosmological Simulations. Astrophysical Journal Letters, 2017, 844, L6.	8.3	25
157	Comparing models for IMF variation across cosmological time in Milky Way-like galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2107-2116.	4.4	20
158	Scaling laws of passive-scalar diffusion in the interstellar medium. Monthly Notices of the Royal Astronomical Society, 2017, 467, 2421-2429.	4.4	39
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