

James W Trayford

List of Publications by Year in descending order

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33
papers

3,344
citations

236912

25
h-index

395678

33
g-index

33
all docs

33
docs citations

33
times ranked

2751
citing authors

#	ARTICLE	IF	CITATIONS
1	The EAGLE simulations of galaxy formation: calibration of subgrid physics and model variations. Monthly Notices of the Royal Astronomical Society, 2015, 450, 1937-1961.	4.4	1,038
2	Colours and luminosities of $z < 0.1$ galaxies in the eagle simulation. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2879-2896.	4.4	200
3	Molecular hydrogen abundances of galaxies in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2015, 452, 3815-3837.	4.4	182
4	Size evolution of normal and compact galaxies in the EAGLE simulation. Monthly Notices of the Royal Astronomical Society, 2017, 465, 722-738.	4.4	170
5	The Hydrangea simulations: galaxy formation in and around massive clusters. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4186-4208.	4.4	167
6	Bimodality of low-redshift circumgalactic $\text{O} \text{ II}$ in non-equilibrium eagle zoom simulations. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2157-2179.	4.4	159
7	Optical colours and spectral indices of $z \approx 0.1$ eagle galaxies with the 3D dust radiative transfer code skirt. Monthly Notices of the Royal Astronomical Society, 2017, 470, 771-799.	4.4	152
8	The distribution of atomic hydrogen in eagle galaxies: morphologies, profiles, and $\text{H} \text{ I}$ holes. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1115-1136.	4.4	117
9	Quantifying the impact of mergers on the angular momentum of simulated galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4956-4974.	4.4	113
10	It is not easy being green: the evolution of galaxy colour in the EAGLE simulation. Monthly Notices of the Royal Astronomical Society, 2016, 460, 3925-3939.	4.4	104
11	Far-infrared and dust properties of present-day galaxies in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1057-1075.	4.4	95
12	The link between the assembly of the inner dark matter halo and the angular momentum evolution of galaxies in the EAGLE simulation. Monthly Notices of the Royal Astronomical Society, 2016, 460, 4466-4482.	4.4	86
13	The Fundamental Plane of star formation in galaxies revealed by the EAGLE hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2016, 459, 2632-2650.	4.4	84
14	From the far-ultraviolet to the far-infrared $\text{H} \text{ I}$ galaxy emission at $0 \leq z \leq 10$ in the shark semi-analytic model. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4196-4216.	4.4	61
15	Feedback from supermassive black holes transforms centrals into passive galaxies by ejecting circumgalactic gas. Monthly Notices of the Royal Astronomical Society, 2020, 491, 2939-2952.	4.4	51
16	Quenching time-scales of galaxies in the eagle simulations. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3740-3758.	4.4	50
17	The nature of submillimetre and highly star-forming galaxies in the EAGLE simulation. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2440-2454.	4.4	50
18	Simulated Milky Way analogues: implications for dark matter indirect searches. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 053-053.	5.4	49

#	ARTICLE	IF	CITATIONS
19	The star formation rate and stellar content contributions of morphological components in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2019, 483, 744-766.	4.4	47
20	Identifying galaxy mergers in observations and simulations with deep learning. Astronomy and Astrophysics, 2019, 626, A49.	5.1	43
21	Fade to grey: systematic variation of galaxy attenuation curves with galaxy properties in the eagle simulations. Monthly Notices of the Royal Astronomical Society, 2020, 491, 3937-3951.	4.4	43
22	Resolved galaxy scaling relations in the <sc>eagle</sc> simulation: star formation, metallicity, and stellar mass on kpc scales. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5715-5732.	4.4	39
23	The origin of the enhanced metallicity of satellite galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 464, 508-529.	4.4	36
24	Ring galaxies in the EAGLE hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2018, 481, 2951-2969.	4.4	31
25	Small-scale galaxy clustering in the eagle simulation. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1771-1787.	4.4	28
26	The origin of the red-sequence galaxy population in the EAGLE simulation. Monthly Notices of the Royal Astronomical Society, 2022, 484, 4401-4412.	4.4	28
27	Multi-wavelength de-blended <i>Herschel</i> view of the statistical properties of dusty star-forming galaxies across cosmic time. Astronomy and Astrophysics, 2019, 624, A98.	5.1	27
28	The diverse evolutionary pathways of post-starburst galaxies. Nature Astronomy, 2019, 3, 440-446.	10.1	26
29	An Evolving and Mass-dependent \dot{M}_{SFR} Relation for Galaxies. Astrophysical Journal, 2019, 879, 11.	4.5	24
30	The dynamics and distribution of angular momentum in HiZELS star-forming galaxies at $z=0.8-3.3$. Monthly Notices of the Royal Astronomical Society, 2019, 486, 175-194.	4.4	17
31	The MAGPI survey: Science goals, design, observing strategy, early results and theoretical framework. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	15
32	Massive low-surface-brightness galaxies in the eagle simulation. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3996-4016.	4.4	11
33	The Fermi GeV excess: challenges for the dark matter interpretation. Journal of Physics: Conference Series, 2016, 718, 042010.	0.4	1