

Cameron B Hummels

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

3,538
citations

279798

23
h-index

477307

29
g-index

32
all docs

32
docs citations

32
times ranked

2967
citing authors

#	ARTICLE	IF	CITATIONS
1	FIRE-2 simulations: physics versus numerics in galaxy formation. Monthly Notices of the Royal Astronomical Society, 2018, 480, 800-863.	4.4	676
2	ENZO: AN ADAPTIVE MESH REFINEMENT CODE FOR ASTROPHYSICS. Astrophysical Journal, Supplement Series, 2014, 211, 19.	7.7	615
3	The GALEX Arecibo SDSS Survey - I. Gas fraction scaling relations of massive galaxies and first data release. Monthly Notices of the Royal Astronomical Society, 0, 403, 683-708.	4.4	355
4	grackle: a chemistry and cooling library for astrophysics. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2217-2234.	4.4	201
5	THE AGORA HIGH-RESOLUTION GALAXY SIMULATIONS COMPARISON PROJECT. Astrophysical Journal, Supplement Series, 2014, 210, 14.	7.7	185
6	Figuring Out Gas & Galaxies in Enzo (FOGGIE). I. Resolving Simulated Circumgalactic Absorption at $z \sim 2.5$. Astrophysical Journal, 2019, 873, 129.	4.5	166
7	The origins of the circumgalactic medium in the FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1248-1272.	4.4	132
8	The Impact of Enhanced Halo Resolution on the Simulated Circumgalactic Medium. Astrophysical Journal, 2019, 882, 156.	4.5	128
9	Constraints on hydrodynamical subgrid models from quasar absorption line studies of the simulated circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2013, 430, 1548-1565.	4.4	114
10	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
11	Properties of the circumgalactic medium in cosmic ray-dominated galaxy haloes. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4221-4238.	4.4	99
12	THE AGORA HIGH-RESOLUTION GALAXY SIMULATIONS COMPARISON PROJECT. II. ISOLATED DISK TEST. Astrophysical Journal, 2016, 833, 202.	4.5	88
13	Column Density, Kinematics, and Thermal State of Metal-bearing Gas within the Virial Radius of $z \sim 1/4$ Star-forming Galaxies in the Keck Baryonic Structure Survey. Astrophysical Journal, 2019, 885, 61.	4.5	69
14	On the survival of cool clouds in the circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1841-1854.	4.4	67
15	The Impact of Cosmic Rays on Thermal Instability in the Circumgalactic Medium. Astrophysical Journal, 2020, 903, 77.	4.5	66
16	Trident: A Universal Tool for Generating Synthetic Absorption Spectra from Astrophysical Simulations. Astrophysical Journal, 2017, 847, 59.	4.5	61
17	COSMOLOGICAL SIMULATIONS OF GALAXY FORMATION WITH COSMIC RAYS. Astrophysical Journal Letters, 2014, 797, L18.	8.3	52
18	Cosmic ray driven outflows to Mpc scales from $z > 1$ galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3640-3662.	4.4	52

#	ARTICLE	IF	CITATIONS
19	KINETIC ENERGY FROM SUPERNOVA FEEDBACK IN HIGH-RESOLUTION GALAXY SIMULATIONS. <i>Astrophysical Journal</i> , 2015, 809, 69.	4.5	47
20	ENZO: An Adaptive Mesh Refinement Code for Astrophysics (Version 2.6). <i>Journal of Open Source Software</i> , 2019, 4, 1636.	4.6	44
21	ADAPTIVE MESH REFINEMENT SIMULATIONS OF GALAXY FORMATION: EXPLORING NUMERICAL AND PHYSICAL PARAMETERS. <i>Astrophysical Journal</i> , 2012, 749, 140.	4.5	37
22	The Keck Baryonic Structure Survey: using foreground/background galaxy pairs to trace the structure and kinematics of circumgalactic neutral hydrogen at $z \approx 2$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 1721-1746.	4.4	37
23	Which AGN jets quench star formation in massive galaxies?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 175-204.	4.4	31
24	Galaxies lacking dark matter produced by close encounters in a cosmological simulation. <i>Nature Astronomy</i> , 2022, 6, 496-502.	10.1	31
25	The Nature of Ionized Gas in the Milky Way Galactic Fountain. <i>Astrophysical Journal</i> , 2019, 887, 89.	4.5	24
26	Virial shocks are suppressed in cosmic ray-dominated galaxy haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 259-273.	4.4	23
27	The AGORA High-resolution Galaxy Simulations Comparison Project. III. Cosmological Zoom-in Simulation of a Milky Way-mass Halo. <i>Astrophysical Journal</i> , 2021, 917, 64.	4.5	12
28	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
29	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
30	CosmoVis: An Interactive Visual Analysis Tool for Exploring Hydrodynamic Cosmological Simulations. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2022, 28, 2909-2925.	4.4	2
31	Gestión adaptativa en sistemas socioecológicos: Un estudio de caso de las palmas camedor (<i>Chamaedorea quezalteca</i>) en la Reserva de la Biosfera La Sepultura, Chiapas, México. <i>Ciencias Ambientales</i> , 2022, 56, 81-103.	0.3	0