

Cameron B Hummels

List of Publications by Year in descending order

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31
papers

3,538
citations

279798

23
h-index

477307

29
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32
all docs

32
docs citations

32
times ranked

2967
citing authors

#	ARTICLE	IF	CITATIONS
1	CosmoVis: An Interactive Visual Analysis Tool for Exploring Hydrodynamic Cosmological Simulations. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 2909-2925.	4.4	2
2	Probing Hot Gas Components of the Circumgalactic Medium in Cosmological Simulations with the Thermal Sunyaev-Zeldovich Effect. Astrophysical Journal, 2022, 926, 179.	4.5	9
3	Galaxies lacking dark matter produced by close encounters in a cosmological simulation. Nature Astronomy, 2022, 6, 496-502.	10.1	31
4	Gesti3n adaptativa en sistemas socioecol3gicos: Un estudio de caso de las palmas camedor (Chamaedorea quezalteca) en la Reserva de la Biosfera La Sepultura, Chiapas, M3xico. Ciencias Ambientales, 2022, 56, 81-103.	0.3	0
5	Virial shocks are suppressed in cosmic ray-dominated galaxy haloes. Monthly Notices of the Royal Astronomical Society, 2021, 505, 259-273.	4.4	23
6	Which AGN jets quench star formation in massive galaxies?. Monthly Notices of the Royal Astronomical Society, 2021, 507, 175-204.	4.4	31
7	The AGORA High-resolution Galaxy Simulations Comparison Project. III. Cosmological Zoom-in Simulation of a Milky Way-mass Halo. Astrophysical Journal, 2021, 917, 64.	4.5	12
8	Cosmic ray driven outflows to Mpc scales from L^* galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3640-3662.	4.4	52
9	On the survival of cool clouds in the circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1841-1854.	4.4	67
10	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
11	Probing the CGM of low-redshift dwarf galaxies using FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1038-1053.	4.4	8
12	The Keck Baryonic Structure Survey: using foreground/background galaxy pairs to trace the structure and kinematics of circumgalactic neutral hydrogen at $z \lesssim 2$. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1721-1746.	4.4	37
13	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
14	The Impact of Cosmic Rays on Thermal Instability in the Circumgalactic Medium. Astrophysical Journal, 2020, 903, 77.	4.5	66
15	The origins of the circumgalactic medium in the FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1248-1272.	4.4	132
16	The Impact of Enhanced Halo Resolution on the Simulated Circumgalactic Medium. Astrophysical Journal, 2019, 882, 156.	4.5	128
17	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
18	Column Density, Kinematics, and Thermal State of Metal-bearing Gas within the Virial Radius of $z \sim 2$ Star-forming Galaxies in the Keck Baryonic Structure Survey. Astrophysical Journal, 2019, 885, 61.	4.5	69

#	ARTICLE	IF	CITATIONS
19	ENZO: An Adaptive Mesh Refinement Code for Astrophysics (Version 2.6). <i>Journal of Open Source Software</i> , 2019, 4, 1636.	4.6	44
20	The Nature of Ionized Gas in the Milky Way Galactic Fountain. <i>Astrophysical Journal</i> , 2019, 887, 89.	4.5	24
21	FIRE-2 simulations: physics versus numerics in galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 800-863.	4.4	676
22	grackle: a chemistry and cooling library for astrophysics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 2217-2234.	4.4	201
23	Trident: A Universal Tool for Generating Synthetic Absorption Spectra from Astrophysical Simulations. <i>Astrophysical Journal</i> , 2017, 847, 59.	4.5	61
24	THE AGORA HIGH-RESOLUTION GALAXY SIMULATIONS COMPARISON PROJECT. II. ISOLATED DISK TEST. <i>Astrophysical Journal</i> , 2016, 833, 202.	4.5	88
25	KINETIC ENERGY FROM SUPERNOVA FEEDBACK IN HIGH-RESOLUTION GALAXY SIMULATIONS. <i>Astrophysical Journal</i> , 2015, 809, 69.	4.5	47
26	ENZO: AN ADAPTIVE MESH REFINEMENT CODE FOR ASTROPHYSICS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 211, 19.	7.7	615
27	COSMOLOGICAL SIMULATIONS OF GALAXY FORMATION WITH COSMIC RAYS. <i>Astrophysical Journal Letters</i> , 2014, 797, L18.	8.3	52
28	THE AGORA HIGH-RESOLUTION GALAXY SIMULATIONS COMPARISON PROJECT. <i>Astrophysical Journal, Supplement Series</i> , 2014, 210, 14.	7.7	185
29	Constraints on hydrodynamical subgrid models from quasar absorption line studies of the simulated circumgalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 1548-1565.	4.4	114
30	ADAPTIVE MESH REFINEMENT SIMULATIONS OF GALAXY FORMATION: EXPLORING NUMERICAL AND PHYSICAL PARAMETERS. <i>Astrophysical Journal</i> , 2012, 749, 140.	4.5	37
31	The GALEX Arecibo SDSS Survey - I. Gas fraction scaling relations of massive galaxies and first data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 403, 683-708.	4.4	355