

Zachary Hafen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1113368/publications.pdf>

Version: 2024-02-01

21
papers

1,528
citations

516710

16
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

1678
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	The origins of the circumgalactic medium in the FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1248-1272.	4.4	132
3	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
4	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
5	Low-redshift Lyman limit systems as diagnostics of cosmological inflows and outflows. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2292-2304.	4.4	65
6	Characterizing mass, momentum, energy, and metal outflow rates of multiphase galactic winds in the FIRE-2 cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2021, 508, 2979-3008.	4.4	56
7	CW190412 as a Third-generation Black Hole Merger from a Super Star Cluster. Astrophysical Journal Letters, 2020, 896, L10.	8.3	48
8	Project AMIGA: The Circumgalactic Medium of Andromeda*. Astrophysical Journal, 2020, 900, 9.	4.5	48
9	The impact of stellar feedback on hot gas in galaxy haloes: the Sunyaev-Zel'dovich effect and soft X-ray emission. Monthly Notices of the Royal Astronomical Society, 2016, 463, 4533-4544.	4.4	47
10	The fates of the circumgalactic medium in the FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2020, 494, 3581-3595.	4.4	46
11	Does Circumgalactic O vi Trace Low-pressure Gas Beyond the Accretion Shock? Clues from H i and Low-ion Absorption, Line Kinematics, and Dust Extinction. Astrophysical Journal, 2018, 865, 91.	4.5	41
12	Pressure balance in the multiphase ISM of cosmologically simulated disc galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3664-3683.	4.4	35
13	The bursty origin of the Milky Way thick disc. Monthly Notices of the Royal Astronomical Society, 2021, 505, 889-902.	4.4	32
14	Hot-mode accretion and the physics of thin-disc galaxy formation. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5056-5073.	4.4	32
15	Galaxies lacking dark matter produced by close encounters in a cosmological simulation. Nature Astronomy, 2022, 6, 496-502.	10.1	31
16	Thermal instability in the CGM of L^{\dagger} galaxies: testing $\tilde{\tau}$ precipitation models with the FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1841-1862.	4.4	19
17	Project AMIGA: A Minimal Covering Factor for Optically Thick Circumgalactic Gas around the Andromeda Galaxy. Astrophysical Journal, 2017, 846, 141.	4.5	17
18	Neutral CGM as damped Ly α absorbers at high redshift. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2869-2884.	4.4	17

#	ARTICLE	IF	CITATIONS
19	Amplified J-factors in the Galactic Centre for velocity-dependent dark matter annihilation in FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2022, 513, 55-70.	4.4	12
20	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
21	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