

# 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	Galaxies lacking dark matter produced by close encounters in a cosmological simulation. <i>Nature Astronomy</i> , 2022, 6, 496-502.	10.1	31
2	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
3	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
4	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
5	Virialization of the Inner CGM in the FIRE Simulations and Implications for Galaxy Disks, Star Formation, and Feedback. <i>Astrophysical Journal</i> , 2021, 911, 88.	4.5	66
6	The bursty origin of the Milky Way thick disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 889-902.	4.4	32
7	Thermal instability in the CGM of $L^*$ galaxies: testing "precipitation" models with the FIRE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 1841-1862.	4.4	19
8	Neutral CGM as damped Ly $\alpha$ absorbers at high redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 2869-2884.	4.4	17
9	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
10	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
11	GW190412 as a Third-generation Black Hole Merger from a Super Star Cluster. <i>Astrophysical Journal Letters</i> , 2020, 896, L10.	8.3	48
12	The fates of the circumgalactic medium in the FIRE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 3581-3595.	4.4	46
13	Project AMIGA: The Circumgalactic Medium of Andromeda*. <i>Astrophysical Journal</i> , 2020, 900, 9.	4.5	48
14	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
15	On the deuterium abundance and the importance of stellar mass loss in the interstellar and intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 80-92.	4.4	9
16	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. <i>Astrophysical Journal</i> , 2018, 865, 91.	4.5	41
17	The origin of the diverse morphologies and kinematics of Milky Way-mass galaxies in the FIRE-2 simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 4133-4157.	4.4	91
18	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

#	ARTICLE	IF	CITATIONS
19	Project AMIGA: A Minimal Covering Factor for Optically Thick Circumgalactic Gas around the Andromeda Galaxy. <i>Astrophysical Journal</i> , 2017, 846, 141.	4.5	17
20	Low-redshift Lyman limit systems as diagnostics of cosmological inflows and outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 2292-2304.	4.4	65
21	The impact of stellar feedback on hot gas in galaxy haloes: the Sunyaev-Zel'dovich effect and soft X-ray emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 4533-4544.	4.4	47