

# Nir Mandelker

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

2,370  
citations

331259

21  
h-index

454577

30  
g-index

31  
all docs

31  
docs citations

31  
times ranked

2027  
citing authors

#	ARTICLE	IF	CITATIONS
1	Clump survival and migration in VDI galaxies: an analytical model versus simulations and observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 316-340.	1.6	13
2	The evolution of turbulent galactic discs: gravitational instability, feedback, and accretion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 6177-6195.	1.6	12
3	IQ Collaboratory. II. The Quiescent Fraction of Isolated, Low-mass Galaxies across Simulations and Observations. <i>Astrophysical Journal</i> , 2021, 915, 53.	1.6	19
4	O <sup>+</sup> traces photoionized streams with collisionally ionized boundaries in cosmological simulations of $z \sim 1$ massive galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 4948-4967.	1.6	16
5	Thermal Instabilities and Shattering in the High-redshift WHIM: Convergence Criteria and Implications for Low-metallicity Strong H I Absorbers. <i>Astrophysical Journal</i> , 2021, 923, 115.	1.6	16
6	Stellar masses of giant clumps in CANDELS and simulated galaxies using machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 814-835.	1.6	27
7	Ly $\alpha$ blobs from cold streams undergoing Kelvin-Helmholtz instabilities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 2415-2427.	1.6	23
8	Instability of supersonic cold streams feeding galaxies – IV. Survival of radiatively cooling streams. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 2641-2663.	1.6	51
9	The nature of giant clumps in high- $z$ discs: a deep-learning comparison of simulations and observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 730-746.	1.6	11
10	Shattering of Cosmic Sheets due to Thermal Instabilities: A Formation Channel for Metal-free Lyman Limit Systems. <i>Astrophysical Journal Letters</i> , 2019, 881, L20.	3.0	22
11	Kelvin-Helmholtz instability in self-gravitating streams. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 181-201.	1.6	17
12	Cosmological simulations of the circumgalactic medium with 1 kpc resolution: enhanced H <sup>+</sup> column densities. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 482, L85-L89.	1.2	149
13	Distinguishing Mergers and Disks in High-redshift Observations of Galaxy Kinematics. <i>Astrophysical Journal</i> , 2019, 874, 59.	1.6	47
14	Instability of supersonic cold streams feeding Galaxies – III. Kelvin-Helmholtz instability in three dimensions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 1100-1132.	1.6	37
15	Cold Filamentary Accretion and the Formation of Metal-poor Globular Clusters and Halo Stars. <i>Astrophysical Journal</i> , 2018, 861, 148.	1.6	44
16	Instability of supersonic cold streams feeding galaxies – II. Non-linear evolution of surface and body modes of Kelvin-Helmholtz instability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 3293-3328.	1.6	28
17	Clumpy Galaxies in CANDELS. II. Physical Properties of UV-bright Clumps at $0.5 < z < 3$ . <i>Astrophysical Journal</i> , 2018, 853, 108.	1.6	71
18	Giant clumps in simulated high- $z$ Galaxies: properties, evolution and dependence on feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 635-665.	1.6	100

#	ARTICLE	IF	CITATIONS
19	Instability of supersonic cold streams feeding galaxies â€” I. Linear Kelvinâ€”Helmholtz instability with body modes. Monthly Notices of the Royal Astronomical Society, 2016, 463, 3921-3947.	1.6	46
20	THE AGORA HIGH-RESOLUTION GALAXY SIMULATIONS COMPARISON PROJECT. II. ISOLATED DISK TEST. Astrophysical Journal, 2016, 833, 202.	1.6	88
21	Evolution of density profiles in high- <i>z</i> galaxies: compaction and quenching inside-out. Monthly Notices of the Royal Astronomical Society, 2016, 458, 242-263.	1.6	191
22	Evolution of galaxy shapes from prolate to oblate through compaction events. Monthly Notices of the Royal Astronomical Society, 2016, 458, 4477-4497.	1.6	46
23	Non-linear violent disc instability with high Toomre's <i>Q</i> in high-redshift clumpy disc galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2052-2069.	1.6	77
24	The confinement of star-forming galaxies into a main sequence through episodes of gas compaction, depletion and replenishment. Monthly Notices of the Royal Astronomical Society, 2016, 457, 2790-2813.	1.6	239
25	Compaction and quenching of high- <i>z</i> galaxies in cosmological simulations: blue and red nuggets. Monthly Notices of the Royal Astronomical Society, 2015, 450, 2327-2353.	1.6	392
26	Scale Free Processes in Galaxy Formation. Proceedings of the International Astronomical Union, 2015, 11, 696-698.	0.0	0
27	CLUMPY GALAXIES IN CANDELS. I. THE DEFINITION OF LIV CLUMPS AND THE FRACTION OF CLUMPY GALAXIES AT 0.5 < <i>z</i> >. Astrophysical Journal, 2015, 800, 39.	1.6	172
28	Star formation and clumps in cosmological galaxy simulations with radiation pressure feedback. Monthly Notices of the Royal Astronomical Society, 2014, 444, 1389-1399.	1.6	51
29	An analytic solution for the minimal bathtub toy model: challenges in the star formation history of high- <i>z</i> galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 444, 2071-2084.	1.6	123
30	The population of giant clumps in simulated high- <i>z</i> galaxies: in situ and ex situ migration and survival. Monthly Notices of the Royal Astronomical Society, 2014, 443, 3675-3702.	1.6	114
31	Rotational support of giant clumps in high- <i>z</i> disc galaxies. Monthly Notices of the Royal Astronomical Society, 2012, 420, 3490-3520.	1.6	128