

# Gregory F Snyder

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4419363/publications.pdf>

Version: 2024-02-01

49  
papers

3,902  
citations

136950

32  
h-index

206112

48  
g-index

49  
all docs

49  
docs citations

49  
times ranked

3367  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Illustris simulation: the evolving population of black holes across cosmic time. Monthly Notices of the Royal Astronomical Society, 2015, 452, 575-596.	4.4	452
2	The illustris simulation: Public data release. Astronomy and Computing, 2015, 13, 12-37.	1.7	412
3	The optical morphologies of galaxies in the IllustrisTNG simulation: a comparison to Pan-STARRS observations. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4140-4159.	4.4	236
4	The formation of massive, compact galaxies at $z \approx 2$ in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2015, 449, 361-372.	4.4	187
5	GALACTIC ANGULAR MOMENTUM IN THE ILLUSTRIS SIMULATION: FEEDBACK AND THE HUBBLE SEQUENCE. Astrophysical Journal Letters, 2015, 804, L40.	8.3	174
6	THE ERA OF STAR FORMATION IN GALAXY CLUSTERS. Astrophysical Journal, 2013, 779, 138.	4.5	166
7	Galaxy morphology and star formation in the Illustris Simulation at $z \approx 0$ . Monthly Notices of the Royal Astronomical Society, 2015, 454, 1886-1908.	4.4	155
8	The role of mergers and halo spin in shaping galaxy morphology. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3083-3098.	4.4	134
9	IDCS J1426.5+3508: DISCOVERY OF A MASSIVE, INFRARED-SELECTED GALAXY CLUSTER AT $z = 1.75$ . Astrophysical Journal, 2012, 753, 164.	4.5	125
10	Observational Constraints on the Merger History of Galaxies since $z \approx 6$ : Probabilistic Galaxy Pair Counts in the CANDELS Fields. Astrophysical Journal, 2019, 876, 110.	4.5	114
11	The power of infrared AGN selection in mergers: a theoretical study. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3056-3071.	4.4	113
12	K+A GALAXIES AS THE AFTERMATH OF GAS-RICH MERGERS: SIMULATING THE EVOLUTION OF GALAXIES AS SEEN BY SPECTROSCOPIC SURVEYS. Astrophysical Journal, 2011, 741, 77.	4.5	106
13	Synthetic galaxy images and spectra from the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2015, 447, 2753-2771.	4.4	106
14	Recoiling black holes: prospects for detection and implications of spin alignment. Monthly Notices of the Royal Astronomical Society, 2016, 456, 961-989.	4.4	90
15	$z \approx 2$ : An Epoch of Disk Assembly. Astrophysical Journal, 2017, 843, 46.	4.5	89
16	The evolution of dust-obscured star formation activity in galaxy clusters relative to the field over the last 9 billion years.... Monthly Notices of the Royal Astronomical Society, 2014, 437, 437-457.	4.4	83
17	Deep Learning Identifies High-z Galaxies in a Central Blue Nugget Phase in a Characteristic Mass Range. Astrophysical Journal, 2018, 858, 114.	4.5	70
18	Massive close pairs measure rapid galaxy assembly in mergers at high redshift. Monthly Notices of the Royal Astronomical Society, 2017, 468, 207-216.	4.4	68

#	ARTICLE	IF	CITATIONS
19	STAR FORMATION AND AGN ACTIVITY IN GALAXY CLUSTERS FROM $z = 1$ – $2$ : A MULTI-WAVELENGTH ANALYSIS FEATURING HERSCHEL/PACS. <i>Astrophysical Journal</i> , 2016, 825, 72.	4.5	68
20	IDCS J1433.2+3306: AN INFRARED-SELECTED GALAXY CLUSTER AT $z = 1.89$ . <i>Astrophysical Journal</i> , 2012, 756, 115.	4.5	67
21	Major merging history in CANDELS. I. Evolution of the incidence of massive galaxy–galaxy pairs from $z = 3$ to $z = 1/4$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1549-1573.	4.4	65
22	ASSEMBLY OF THE RED SEQUENCE IN INFRARED-SELECTED GALAXY CLUSTERS FROM THE IRAC SHALLOW CLUSTER SURVEY. <i>Astrophysical Journal</i> , 2012, 756, 114.	4.5	61
23	A Census of the Bright $z = 8.5$ – $11$ Universe with the Hubble and Spitzer Space Telescopes in the CANDELS Fields. <i>Astrophysical Journal</i> , 2022, 928, 52.	4.5	57
24	IDCS J1426.5+3508: SUNYAEV-ZELDOVICH MEASUREMENT OF A MASSIVE INFRARED-SELECTED CLUSTER AT $z = 1.75$ . <i>Astrophysical Journal</i> , 2012, 753, 162.	4.5	55
25	Diverse structural evolution at $z > 1$ in cosmologically simulated galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 4290-4310.	4.4	54
26	The Hubble Sequence at $z \sim 0$ in the IllustrisTNG simulation with deep learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1859-1879.	4.4	51
27	H $\pm$ STAR FORMATION RATES OF $z > 1$ GALAXY CLUSTERS IN THE IRAC SHALLOW CLUSTER SURVEY. <i>Astrophysical Journal</i> , 2013, 779, 137.	4.5	50
28	Distinguishing Mergers and Disks in High-redshift Observations of Galaxy Kinematics. <i>Astrophysical Journal</i> , 2019, 874, 59.	4.5	47
29	MODELING MID-INFRARED DIAGNOSTICS OF OBSCURED QUASARS AND STARBURSTS. <i>Astrophysical Journal</i> , 2013, 768, 168.	4.5	41
30	Beyond spheroids and discs: classifications of CANDELS galaxy structure at $1.4 < z < 2$ via principal component analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 963-987.	4.4	38
31	Automated distant galaxy merger classifications from Space Telescope images using the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 3702-3720.	4.4	38
32	powderday: Dust Radiative Transfer for Galaxy Simulations. <i>Astrophysical Journal</i> , Supplement Series, 2021, 252, 12.	7.7	35
33	Investigating the Effect of Galaxy Interactions on the Enhancement of Active Galactic Nuclei at $0.5 < z < 3.0$ . <i>Astrophysical Journal</i> , 2020, 904, 107.	4.5	30
34	Are All Post-starbursts Mergers? HST Reveals Hidden Disturbances in the Majority of PSBs. <i>Astrophysical Journal</i> , 2021, 919, 134.	4.5	28
35	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.	4.4	27
36	DeepMerge: Classifying high-redshift merging galaxies with deep neural networks. <i>Astronomy and Computing</i> , 2020, 32, 100390.	1.7	27

#	ARTICLE	IF	CITATIONS
37	Figuring Out Gas & Galaxies in Enzo (FOGGIE). IV. The Stochasticity of Ram Pressure Stripping in Galactic Halos. <i>Astrophysical Journal</i> , 2020, 905, 167.	4.5	24
38	DeepMerge II. Building robust deep learning algorithms for merging galaxy identification across domains. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 677-691.	4.4	23
39	Galaxy Zoo: Morphological Classification of Galaxy Images from the Illustris Simulation. <i>Astrophysical Journal</i> , 2018, 853, 194.	4.5	20
40	The Morphology-Density Relationship in $1 < z < 2$ Clusters. <i>Astrophysical Journal</i> , 2020, 899, 85.	4.5	20
41	THE EVOLUTION OF STAR FORMATION ACTIVITY IN CLUSTER GALAXIES OVER $0.15 < z < 1.5$ . <i>Astrophysical Journal</i> , 2017, 834, 53.	4.5	18
42	Galaxy Inclination and the IRX- $\tau^2$ Relation: Effects on UV Star Formation Rate Measurements at Intermediate to High Redshifts. <i>Astrophysical Journal</i> , 2018, 869, 161.	4.5	18
43	The Mass-Metallicity Relation at $z \sim 1/4$ and Its Dependence on the Star Formation Rate. <i>Astrophysical Journal</i> , 2021, 919, 143.	4.5	17
44	STAR FORMATION IN HIGH-REDSHIFT CLUSTER ELLIPTICALS. <i>Astrophysical Journal</i> , 2015, 800, 107.	4.5	13
45	Studying the physical properties of tidal features I. Extracting morphological substructure in CANDELS observations and VELA simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 2643-2659.	4.4	12
46	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.	4.4	11
47	3D-DASH: The Widest Near-infrared Hubble Space Telescope Survey. <i>Astrophysical Journal</i> , 2022, 933, 129.	4.5	6
48	Merging Things Together: Merger Pair Analysis from the IllustrisTNG Simulation Suite. <i>Research Notes of the AAS</i> , 2021, 5, 45.	0.7	1
49	Indirectly Measuring Stellar Velocity Dispersions in High-redshift Disk Galaxies. <i>Research Notes of the AAS</i> , 2020, 4, 203.	0.7	0