

# Sanchayeeta Borthakur

## List of Publications by Year in descending order

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37  
papers

2,027  
citations

361045

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344852

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times ranked

2192  
citing authors

#	ARTICLE	IF	CITATIONS
1	xCOLD GASS: The Complete IRAM 30 m Legacy Survey of Molecular Gas for Galaxy Evolution Studies. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 22.	3.0	350
2	THE SYSTEMATIC PROPERTIES OF THE WARM PHASE OF STARBURST-DRIVEN GALACTIC WINDS. <i>Astrophysical Journal</i> , 2015, 809, 147.	1.6	246
3	EXTREME FEEDBACK AND THE EPOCH OF REIONIZATION: CLUES IN THE LOCAL UNIVERSE. <i>Astrophysical Journal</i> , 2011, 730, 5.	1.6	232
4	A local clue to the reionization of the universe. <i>Science</i> , 2014, 346, 216-219.	6.0	153
5	CONNECTION BETWEEN THE CIRCUMGALACTIC MEDIUM AND THE INTERSTELLAR MEDIUM OF GALAXIES: RESULTS FROM THE COS-GASS SURVEY. <i>Astrophysical Journal</i> , 2015, 813, 46.	1.6	90
6	Galaxy evolution in Hickson compact groups: the role of ram-pressure stripping and strangulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 1245-1264.	1.6	81
7	THE IMPLICATIONS OF EXTREME OUTFLOWS FROM EXTREME STARBURSTS. <i>Astrophysical Journal</i> , 2016, 822, 9.	1.6	79
8	INDIRECT EVIDENCE FOR ESCAPING IONIZING PHOTONS IN LOCAL LYMAN BREAK GALAXY ANALOGS. <i>Astrophysical Journal</i> , 2015, 810, 104.	1.6	77
9	THE IMPACT OF STARBURSTS ON THE CIRCUMGALACTIC MEDIUM. <i>Astrophysical Journal</i> , 2013, 768, 18.	1.6	75
10	DETECTION OF DIFFUSE NEUTRAL INTRAGROUP MEDIUM IN HICKSON COMPACT GROUPS. <i>Astrophysical Journal</i> , 2010, 710, 385-407.	1.6	65
11	COS-burst: Observations of the Impact of Starburst-driven Winds on the Properties of the Circum-galactic Medium. <i>Astrophysical Journal</i> , 2017, 846, 151.	1.6	65
12	The Low-redshift Lyman Continuum Survey. I. New, Diverse Local Lyman Continuum Emitters. <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 1.	3.0	62
13	THE PROPERTIES OF THE CIRCUMGALACTIC MEDIUM IN RED AND BLUE GALAXIES: RESULTS FROM THE COS-GASS+COS-HALOS SURVEYS. <i>Astrophysical Journal</i> , 2016, 833, 259.	1.6	60
14	The Low-redshift Lyman Continuum Survey. II. New Insights into LyC Diagnostics. <i>Astrophysical Journal</i> , 2022, 930, 126.	1.6	48
15	A New Technique for Finding Galaxies Leaking Lyman-continuum Radiation: [S ii]-deficiency. <i>Astrophysical Journal</i> , 2019, 885, 57.	1.6	38
16	USING 21 cm ABSORPTION IN SMALL IMPACT PARAMETER GALAXY-QUASAR PAIRS TO PROBE LOW-REDSHIFT DAMPED AND SUB-DAMPED Ly $\alpha$ SYSTEMS. <i>Astrophysical Journal</i> , 2010, 713, 131-145.	1.6	34
17	Galaxy interactions in compact groups â€” II. Abundance and kinematic anomalies in HCG 91c. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 2593-2614.	1.6	26
18	The Low-redshift Lyman-continuum Survey: [S ii] Deficiency and the Leakage of Ionizing Radiation. <i>Astrophysical Journal</i> , 2021, 916, 3.	1.6	24

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19	A GREEN BANK TELESCOPE SURVEY FOR H I 21 cm ABSORPTION IN THE DISKS AND HALOS OF LOW-REDSHIFT GALAXIES. <i>Astrophysical Journal</i> , 2011, 727, 52.	1.6	22
20	DISTRIBUTION OF FAINT ATOMIC GAS IN HICKSON COMPACT GROUPS. <i>Astrophysical Journal</i> , 2015, 812, 78.	1.6	22
21	The morphology and kinematics of the gaseous circumgalactic medium of Milky Way mass galaxies – II. Comparison of IllustrisTNG and Illustris simulation results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 4686-4700.	1.6	20
22	Lyman $\lambda$ absorption beyond the disc of simulated spiral galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 152-168.	1.6	20
23	SMALL-SCALE PROPERTIES OF ATOMIC GAS IN EXTENDED DISKS OF GALAXIES. <i>Astrophysical Journal</i> , 2014, 795, 98.	1.6	19
24	ADVANCED DATA VISUALIZATION IN ASTROPHYSICS: THE X3D PATHWAY. <i>Astrophysical Journal</i> , 2016, 818, 115.	1.6	18
25	The Lyman Continuum Escape Fraction of Galaxies and AGN in the GOODS Fields. <i>Astrophysical Journal</i> , 2020, 897, 41.	1.6	17
26	Tracing Ly $\alpha$ and LyC Escape in Galaxies with Mg ii Emission. <i>Astrophysical Journal</i> , 2022, 933, 202.	1.6	17
27	DISTRIBUTION OF COLD ( $\sim 300$ K) ATOMIC GAS IN GALAXIES: RESULTS FROM THE GBT H I ABSORPTION SURVEY PROBING THE INNER HALOS ( $\lesssim 20$ kpc) OF LOW- $z$ GALAXIES. <i>Astrophysical Journal</i> , 2016, 829, 128.	1.6	13
28	The morphology and kinematics of neutral hydrogen in the vicinity of $z = 0$ galaxies with Milky Way masses – a study with the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 3751-3764.	1.6	12
29	The H I Column Density Distribution of the Galactic Disk and Halo. <i>Astrophysical Journal</i> , 2021, 923, 50.	1.6	10
30	Discovery of a Damped Ly $\alpha$ System in a Low- $z$ Galaxy Group: Possible Evidence for Gas Inflow and Nuclear Star Formation. <i>Astrophysical Journal</i> , 2019, 871, 239.	1.6	9
31	Discovery of a Low-redshift Damped Ly $\alpha$ System in a Foreground Extended Disk Using a Starburst Galaxy Background Illuminator. <i>Astrophysical Journal</i> , 2021, 907, 103.	1.6	4
32	High-sensitivity far-ultraviolet imaging spectroscopy with the SPRITE Cubesat. , 2019, , .		4
33	DIISC-I: The Discovery of Kinematically Anomalous H I Clouds in M 100. <i>Astrophysical Journal</i> , 2021, 922, 69.	1.6	4
34	Detection of a Multiphase Intragroup Medium: Results from the COS-IGrM Survey. <i>Astrophysical Journal</i> , 2021, 923, 189.	1.6	4
35	How are Ly $\alpha$ Absorbers in the Cosmic Web Related to Gas-rich Galaxies?. <i>Astrophysical Journal</i> , 2022, 924, 123.	1.6	3
36	DIISC-II: Unveiling the Connections between Star Formation and Interstellar Medium in the Extended Ultraviolet Disk of NGC 3344. <i>Astrophysical Journal</i> , 2021, 923, 199.	1.6	3

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37	Disentangling the intragroup HI in Compact Groups of galaxies by means of X3D visualization. Proceedings of the International Astronomical Union, 2016, 11, 241-243.	0.0	0