Sangeeta Malhotra

List of Publications by Year
in descending order

118 papers	6,864 citations	61984 43 h-index	60623 81 g-index
119 all docs	119 docs citations	119 times ranked	3841 citing authors

#	Article	IF	Citations
1	SINGS: TheSIRTFNearby Galaxies Survey. Publications of the Astronomical Society of the Pacific, 2003, 115, 928-952.	3.1	1,048
2	Luminosity Functions of LyÎ± Emitters at Redshifts z â€‰=â€‰6.5 and z â€‰=â€‰5.7: Evidence against Reionization at z â€‰â‰ˆâ€‰6.5. Astrophysical Journal, 2004, 617, L5-L8.	4.5	305
3	Large Equivalent Width L[CLC]y[/CLC]Î± line Emission at [FORMULA] [F]z=4.5 [/F] [/FORMULA]: Young Galaxies in a Young Universe?. Astrophysical Journal, 2002, 565, L71-L74.	4.5	252
4	A Robust Determination of the Time Delay in 0957+561A, B and a Measurement of the Global Value of Hubble's Constant. Astrophysical Journal, 1997, 482, 75-82.	4.5	242
5	First Results from the Large-Area Lyman Alpha Survey. Astrophysical Journal, 2000, 545, L85-L88.	4.5	240
6	Spectroscopic Confirmation of Three Redshift [CLC] [ITAL]z[/ITAL] [/CLC]â€‰â‰ˆâ€‰5.7 L[CLC]y[/CLC]Î± Emitters from the Large-Area Lyman Alpha Survey. Astronomical Journal, 2003, 125, 1006-1013.	4.7	181
7	A Herschel/PACS Far-infrared Line Emission Survey of Local Luminous Infrared Galaxies. Astrophysical Journal, 2017, 846, 32.	4.5	178
8	On graphite and the 2175 A extinction profile. Astrophysical Journal, 1993, 414, 632.	4.5	173
9	Infrared Emission of Normal Galaxies from 2.5 to 12 Micron:Infrared Space ObservatorySpectra, Nearâ€Infrared Continuum, and Midâ€Infrared Emission Features. Astrophysical Journal, 2003, 588, 199-217.	4.5	137
10	LYMAN ALPHA GALAXIES: PRIMITIVE, DUSTY, OR EVOLVED?. Astrophysical Journal, 2009, 691, 465-481.	4.5	135
11	L[CLC]y[/CLC]Î± Emitters at Redshift [CLC] [ITAL]z[/ITAL] [/CLC] = 5.7. Astrophysical Journal, 2001, 563, L5-L9.	4.5	132
12	LyÎ± Profile, Dust, and Prediction of LyÎ± Escape Fraction in Green Pea Galaxies. Astrophysical Journal, 2017, 844, 171.	4.5	127
13	The Vertical Distribution and Kinematics of H i and Mass Models of the Galactic Disk. Astrophysical Journal, 1995, 448, 138.	4.5	125
14	Spectroscopic Properties of thezâ‰ˆ 4.5 LyÎ± Emitters. Astrophysical Journal, 2004, 617, 707-717.	4.5	116
15	First Results from the Lyman Alpha Galaxies in the Epoch of Reionization (LAGER) Survey: Cosmological Reionization at zÂâ¼Â7. Astrophysical Journal Letters, 2017, 842, L22.	8.3	111
16	The Ages and Masses of LyÎ± Galaxies atzâ¼ 4.5. Astrophysical Journal, 2007, 660, 1023-1029.	4.5	102
17	A Luminosity Function of LyÎ±â€emitting Galaxies atzâ‰ˆ 4.5. Astrophysical Journal, 2007, 671, 1227-1240	4.5	101
18	Effects of Dust Geometry in LyÎ± Galaxies atz= 4.41. Astrophysical Journal, 2008, 678, 655-668.	4.5	100

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19	Three Ly Emitters at z 6: Early GMOS/Gemini Data from the GLARE Project. Astrophysical Journal, 2004, 604, L13-L16.	4.5	90
20	A Luminous LyÎ±â€emitting Galaxy at Redshiftz= 6.535: Discovery and Spectroscopic Confirmation. Astrophysical Journal, 2004, 611, 59-67.	4.5	90
21	FIRST SPECTROSCOPIC MEASUREMENTS OF [O III] EMISSION FROM LyÎ± SELECTED FIELD GALAXIES ATzâ^¼ 3.1. Astrophysical Journal, 2011, 730, 136.	4.5	89
22	Evidence for the Heating of Atomic Interstellar Gas by Polycyclic Aromatic Hydrocarbons. Astrophysical Journal, 2001, 548, L73-L76.	4.5	83
23	Texas Spectroscopic Search for LyÎ± Emission at the End of Reionization. III. The LyÎ± Equivalent-width Distribution and Ionized Structures at z > 7. Astrophysical Journal, 2020, 904, 144.	4.5	83
24	The Volume Fraction of Ionized Intergalactic Gas at Redshift z â€‰=â€‰6.5. Astrophysical Journal, 2006, 647, L95-L98.	4.5	77
25	GREEN PEA GALAXIES REVEAL SECRETS OF LyÎ± ESCAPE. Astrophysical Journal, 2016, 820, 130.	4.5	77
26	The Radial Distribution of the Interstellar Medium in Disk Galaxies: Evidence for Secular Evolution. Astrophysical Journal, 2006, 652, 1112-1121.	4.5	76
27	[ITAL]ISO[/ITAL] Mid-Infrared Observations of Normal Star-Forming Galaxies: The Key Project Sample. Astronomical Journal, 2000, 120, 583-603.	4.7	76
28	The Interstellar Medium of Starâ€forming Irregular Galaxies: The View withISO. Astrophysical Journal, 2001, 553, 121-145.	4.5	71
29	Blueberry Galaxies: The Lowest Mass Young Starbursts. Astrophysical Journal, 2017, 847, 38.	4.5	70
30	A Galaxy atz= 6.545 and Constraints on the Epoch of Reionization. Astrophysical Journal, 2005, 619, 12-18.	4.5	69
31	Clustering of LyÎ± Emitters atzâ‰ˆ 4.5. Astrophysical Journal, 2007, 668, 15-22.	4.5	68
32	The GLARE Survey â€“ II. Faint zâ‰ˆ 6 LyÎ± line emitters in the HUDF. Monthly Notices of the Royal Astronomical Society, 2007, 376, 727-738.	4.4	66
33	SIZING UP LyÎ± AND LYMAN BREAK GALAXIES. Astrophysical Journal Letters, 2012, 750, L36.	8.3	66
34	THE LUMINOSITY FUNCTION OF LyÎ± EMITTERS AT REDSHIFTz= 7.7. Astrophysical Journal, 2010, 721, 1853-1860.	4.5	63
35	Spitzer Infrared Nearby Galaxies Survey (SINGS) Imaging of NGC 7331: A Panchromatic View of a Ringed Galaxy. Astrophysical Journal, Supplement Series, 2004, 154, 204-210.	7.7	62
36	Onset of Cosmic Reionization: Evidence of an Ionized Bubble Merely 680 Myr after the Big Bang. Astrophysical Journal Letters, 2020, 891, L10.	8.3	58

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37	FORMATION OF METAL-POOR GLOBULAR CLUSTERS IN LyÎ± EMITTING GALAXIES IN THE EARLY UNIVERSE. Astrophysical Journal, 2012, 757, 9.	4.5	53
38	FIRST RESULTS FROM THE FAINT INFRARED GRISM SURVEY (FIGS): FIRST SIMULTANEOUS DETECTION OF LyÎ± EMISSION AND LYMAN BREAK FROM A GALAXY AT zÂ=Â7.51. Astrophysical Journal Letters, 2016, 827, L14.	8.3	50
39	Near-infrared Spectroscopy of Galaxies During Reionization: Measuring C iii] in a Galaxy at zÂ=Â7.5. Astrophysical Journal, 2019, 879, 70.	4.5	49
40	EMISSION-LINE GALAXIES FROM THEHUBBLE SPACE TELESCOPEPROBING EVOLUTION AND REIONIZATION SPECTROSCOPICALLY (PEARS) GRISM SURVEY. II. THE COMPLETE SAMPLE. Astrophysical Journal, 2013, 772, 48.	4.5	47
41	DUST EXTINCTION AND METALLICITIES OF STAR-FORMING LyÎ± EMITTING GALAXIES AT LOW REDSHIFT. Astrophysical Journal, 2011, 733, 117.	4.5	46
42	EARLY-TYPE GALAXIES IN THE PEARS SURVEY: PROBING THE STELLAR POPULATIONS AT MODERATE REDSHIFT. Astrophysical Journal, 2009, 706, 158-169.	4.5	44
43	The LyÎ± Luminosity Function and Cosmic Reionization at zÂâˆ¼Â7.0: A Tale of Two LAGER Fields. Astrophysical Journal, 2019, 886, 90.	4.5	44
44	EMISSION-LINE GALAXIES FROM THEHUBBLE SPACE TELESCOPEPROBING EVOLUTION AND REIONIZATION SPECTROSCOPICALLY (PEARS) GRISM SURVEY. I. THE SOUTH FIELDS. Astronomical Journal, 2009, 138, 1022-1031.	4.7	42
45	[ITAL]ISO[/ITAL] LWS Observations of the Two Nearby Spiral Galaxies NGC 6946 and NGC 1313. Astronomical Journal, 2002, 124, 751-776.	4.7	41
46	SEARCHING FORzâˆ¼ 7.7 LyÎ± EMITTERS IN THE COSMOS FIELD WITH NEWFIRM. Astrophysical Journal, 2012, 745, 122.	4.5	41
47	A Lyman-Î± protocluster at redshift 6.9. Nature Astronomy, 2021, 5, 485-490.	10.1	41
48	FIGSâ€"Faint Infrared Grism Survey: Description and Data Reduction. Astrophysical Journal, 2017, 846, 84.	4.5	37
49	LyÎ± equivalent width distribution of LyÎ± emitting galaxies at redshift zÂâˆ¼Â4.5. Monthly Notices of the Royal Astronomical Society, 2014, 439, 1101-1109.	4.4	34
50	EVOLUTION OF LyÎ± GALAXIES: STELLAR POPULATIONS ATzâˆ¼ 0.3. Astrophysical Journal, 2009, 700, 276-283.	4.5	33
51	SPECTROSCOPIC CONFIRMATION OF FAINT LYMAN BREAK GALAXIES NEAR REDSHIFT FIVE IN THE HUBBLE ULTRA DEEP FIELD. Astrophysical Journal, 2009, 697, 942-949.	4.5	33
52	HUBBLE SPACE TELESCOPEIMAGING OF LyÎ± EMISSION ATzâ‰ˆ 4.4. Astrophysical Journal, 2011, 735, 5.	4.5	33
53	First Spectroscopic Confirmations of zÂâˆ¼Â7.0 LyÎ± Emitting Galaxies in the LAGER Survey. Astrophysical Journal Letters, 2017, 845, L16.	8.3	33
54	LAGER LyÎ± Luminosity Function at z âˆ¼ 7: Implications for Reionization. Astrophysical Journal, 2022, 927, 36.	4.5	32

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55	Redshifts of Emission-Line Objects in the Hubble Ultra Deep Field. Astronomical Journal, 2007, 134, 169-178.	4.7	31
56	EMISSION-LINE GALAXIES FROM THE PEARS HUBBLE ULTRA DEEP FIELD: A 2D DETECTION METHOD AND FIRST RESULTS. Astronomical Journal, 2008, 135, 1624-1635.	4.7	31
57	Discovery of a zÂ=Â7.452 High Equivalent Width LyÎ± Emitter from the Hubble Space Telescope Faint Infrared Grism Survey. Astrophysical Journal, 2018, 858, 94.	4.5	31
58	The Milky Way, Local Galaxies, and the Infrared Tullyâ€Fisher Relation. Astrophysical Journal, 1996, 473, 687-691.	4.5	30
59	LyÎ±-EMITTING GALAXIES AT REDSHIFTzâ¼ 4.5 IN THE LALA CETUS FIELD. Astrophysical Journal, 2009, 706, 762-771.	4.5	29
60	LyÎ± EMITTER GALAXIES AT zÂâ¼Â2.8 IN THE EXTENDED CHANDRA DEEP FIELD SOUTH. I. TRACING THE LARGE-SCALE STRUCTURE VIA LyÎ± IMAGING^{â—}. Astrophysical Journal, Supplement Series, 2016, 226, 23.	7.7	28
61	Empirical Modeling of the Redshift Evolution of the [N II] /HÎ± Ratio for Galaxy Redshift Surveys. Astrophysical Journal, 2018, 855, 132.	4.5	28
62	A Candidate Gravitational Lens in the Hubble Deep Field. Astrophysical Journal, 1996, 467, L73-L75.	4.5	28
63	Astrometry with the Wide-Field Infrared Space Telescope. Journal of Astronomical Telescopes, Instruments, and Systems, 2019, 5, 1.	1.8	28
64	METALLICITIES OF EMISSION-LINE GALAXIES FROM<i>HST</i>ACS PEARS AND<i>HST</i>WFC3 ERS GRISM SPECTROSCOPY AT 0.6 <<i>z</i>< 2.4. Astronomical Journal, 2012, 144, 28.	4.7	27
65	LyÎ± and UV Sizes of Green Pea Galaxies. Astrophysical Journal, 2017, 838, 4.	4.5	27
66	Discovery of a Solitary Dwarf Galaxy in the APPLES Survey. Astronomical Journal, 2005, 129, 148-159.	4.7	26
67	A PLETHORA OF ACTIVE GALACTIC NUCLEI AMONG LyÎ± GALAXIES AT LOW REDSHIFT. Astrophysical Journal, 2009, 703, L162-L166.	4.5	26
68	A LyÎ± GALAXY AT REDSHIFT z = 6.944 IN THE COSMOS FIELD. Astrophysical Journal Letters, 2012, 752, L28.	8.3	25
69	LyÎ± luminosity functions at redshift z â‰ˆ 4.5. Monthly Notices of the Royal Astronomical Society, 2013, 431, 3589-3607.	4.4	25
70	Detection of the 2175 Ã... Dust Feature in M[CLC]g[/CLC] [CSC]ii[/CSC] Absorption Systems. Astrophysical Journal, 1997, 488, L101-L104.	4.5	25
71	A Redshiftzâ‰ˆ 5.4 LyÎ± Emitting Galaxy with Linear Morphology in the GRAPES/Hubble Ultra Deep Field. Astrophysical Journal, 2005, 621, 582-586.	4.5	24
72	About AGN ionization echoes, thermal echoes and ionization deficits in low-redshift LyÎ± blobs. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1554-1586.	4.4	24

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73	A PHYSICAL MODEL OF LyÎ± EMITTERS. Astrophysical Journal, 2009, 704, 724-732.	4.5	23
74	The expected detection of dust emission from high-redshift Lyman Î± galaxies. Monthly Notices of the Royal Astronomical Society, 2009, 393, 1174-1182.	4.4	20
75	THE ROAD TO THE RED SEQUENCE: A DETAILED VIEW OF THE FORMATION OF A MASSIVE GALAXY ATzâ^¼ 2. Astronomical Journal, 2012, 144, 47.	4.7	20
76	Direct T_e Metallicity Calibration of R23 in Strong Line Emitters. Astrophysical Journal, 2019, 872, 145.	4.5	19
77	A LINK TO THE PAST: USING MARKOV CHAIN MONTE CARLO FITTING TO CONSTRAIN FUNDAMENTAL PARAMETERS OF HIGH-REDSHIFT GALAXIES. Astrophysical Journal, 2012, 748, 122.	4.5	19
78	SPECTROSCOPIC STUDY OF THEHST/ACS PEARS EMISSION-LINE GALAXIES. Astronomical Journal, 2011, 141, 64.	4.7	18
79	THE METAL ABUNDANCES ACROSS COSMIC TIME (î^¹ î^-î^¯ î‰€) SURVEY. I. OPTICAL SPECTROSCOPY IN THE SUBARU DEEP FIELD. Astrophysical Journal, Supplement Series, 2016, 226, 5.	7.7	18
80	[Oi] 63 Micron Emission from Highâ€•and Lowâ€Łuminosity Active Galactic Nucleus Galaxies. Astrophysical Journal, 2004, 604, 565-571.	4.5	18
81	[O III] EMISSION AND GAS KINEMATICS IN A LYMAN-ALPHA BLOB ATzâ^¼ 3.1. Astrophysical Journal, 2013, 767, 48.	4.5	17
82	PROBING THE PHYSICAL PROPERTIES OFz= 4.5 LyÎ±EMITTERS WITHSPITZER. Astrophysical Journal, 2015, 813, 78.	4.5	17
83	Toward an Understanding of the Mid-Infrared Surface Brightness of Normal Galaxies. Astronomical Journal, 1999, 118, 2055-2064.	4.7	17
84	Infrared Emission from the Nearby Cool Core Cluster Abell 2597. Astrophysical Journal, 2007, 670, 231-236.	4.5	16
85	Texas Spectroscopic Search for LyÎ± Emission at the End of Reionization. II. The Deepest Near-infrared Spectroscopic Observation at zÂâ‰³Â7. Astrophysical Journal, 2019, 877, 146.	4.5	16
86	X-RAY CONSTRAINTS ON THE LyÎ± ESCAPE FRACTION. Astrophysical Journal, 2012, 746, 28.	4.5	15
87	REAL OR INTERLOPER? THE REDSHIFT LIKELIHOODS OFz> 8 GALAXIES IN THE HUDF12. Astrophysical Journal, 2013, 775, 11.	4.5	15
88	THE DYNAMICAL MASSES, DENSITIES, AND STAR FORMATION SCALING RELATIONS OF LyÎ± GALAXIES. Astrophysical Journal, 2014, 780, 20.	4.5	15
89	The Importance of Star Formation Intensity in LyÎ± Escape from Green Pea Galaxies and Lyman Break Galaxy Analogs. Astrophysical Journal, 2020, 893, 134.	4.5	15
90	A LYMAN BREAK GALAXY IN THE EPOCH OF REIONIZATION FROMHUBBLE SPACE TELESCOPEGRISM SPECTROSCOPY. Astrophysical Journal, 2013, 773, 32.	4.5	14

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91	Galaxy Structure, Stellar Populations, and Star Formation Quenching at 0.6Ââ‰²ÂzÂâ‰²Â1.2. Astrophysical Journal, 2018, 867, 118.	4.5	14
92	Correlation between SFR Surface Density and Thermal Pressure of Ionized Gas in Local Analogs of High-redshift Galaxies. Astrophysical Journal, 2019, 872, 146.	4.5	13
93	The Compact UV Size of Green Pea Galaxies As Local Analogs of High-redshift LyÎ±-Emitters. Astrophysical Journal, 2021, 914, 2.	4.5	12
94	Conditions for detecting lensed Population III galaxies in blind surveys with the James Webb Space Telescope, the Roman Space Telescope, and Euclid. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3030-3044.	4.4	12
95	A Two-dimensional Spectroscopic Study of Emission-line Galaxies in the Faint Infrared Grism Survey (FIGS). I. Detection Method and Catalog. Astrophysical Journal, 2018, 868, 61.	4.5	11
96	HERSCHELEXTREME LENSING LINE OBSERVATIONS: DYNAMICS OF TWO STRONGLY LENSED STAR-FORMING GALAXIES NEAR REDSHIFTz= 2. Astrophysical Journal, 2014, 787, 8.	4.5	10
97	HÎ± Emitting Galaxies at zÂâˆ¼Â0.6 in the Deep And Wide Narrow-band Survey. Astrophysical Journal, 2018, 858, 96.	4.5	10
98	LyÎ± Galaxies in the Epoch of Reionization (LAGER): Spectroscopic Confirmation of Two Redshift âˆ¼7.0 Galaxies. Astrophysical Journal, 2019, 876, 123.	4.5	8
99	Bubble mapping with the Square Kilometre Array â€“ I. Detecting galaxies with Euclid, JWST, WFIRST, and ELT within ionized bubbles in the intergalactic medium at z > 6. Monthly Notices of the Royal Astronomical Society, 2020, 493, 855-870.	4.4	8
100	Constraints on Accretion in Ultraluminous X-Ray Sources from Spitzer IRS Observations of NGC 4485/4490: Infrared Diagnostic Diagrams. Astrophysical Journal, 2007, 658, L21-L24.	4.5	7
101	HERSCHEL EXTREME LENSING LINE OBSERVATIONS: [C ii] VARIATIONS IN GALAXIES AT REDSHIFTS zÂ=Â1â€“3*. Astrophysical Journal, 2017, 835, 110.	4.5	7
102	FIGS: spectral fitting constraints on the star formation history of massive galaxies since the cosmic noon. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1358-1376.	4.4	7
103	Design for the First Narrowband Filter for the Dark Energy Camera: Optimizing the LAGER Survey for z âˆ¼ 7 Galaxies. Publications of the Astronomical Society of the Pacific, 2019, 131, 074502.	3.1	7
104	The Atomic Gas Mass of Green Pea Galaxies. Astrophysical Journal Letters, 2021, 913, L15.	8.3	7
105	A Catalog of Emission-line Galaxies from the Faint Infrared Grism Survey: Studying Environmental Influence on Star Formation. Astrophysical Journal, 2020, 888, 79.	4.5	7
106	IMPROVED PHOTOMETRIC REDSHIFTS WITH SURFACE LUMINOSITY PRIORS. Astronomical Journal, 2009, 138, 95-101.	4.7	6
107	Void Probability Function of Simulated Surveys of High-redshift LyÎ± Emitters. Astrophysical Journal, 2021, 906, 58.	4.5	6
108	The Metal Abundances across Cosmic Time (MACT) Survey. III â€“ The relationship between stellar mass and star formation rate in extremely low-mass galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2231-2249.	4.4	6

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109	Spectrophotometric Redshifts in the Faint Infrared Grism Survey: Finding Overdensities of Faint Galaxies. Astrophysical Journal, 2018, 856, 116.	4.5	5
110	Emission-line Metallicities from the Faint Infrared Grism Survey and VLT/MUSE. Astrophysical Journal, 2019, 874, 125.	4.5	5
111	Microlensing of Globular Clusters as a Probe of Galactic Structure. Astrophysical Journal, 1998, 495, L55-L58.	4.5	5
112	APPLES: A Parallel Slitless Imaging Survey for ACS. , 0, , 471-472.		3
113	A Comprehensive Study of HÎ± Emitters at zÂâˆ¼Â0.62 in the DAWN Survey: The Need for Deep and Wide Regions. Astrophysical Journal, 2020, 892, 30.	4.5	3
114	Azâ‰¥ 5.7 LyÎ± EMISSION LINE WITH AN ULTRABROAD RED WING. Astrophysical Journal, 2014, 784, 35.	4.5	2
115	A Green Pea Starburst Arising from a Galaxyâ€“Galaxy Merger. Astrophysical Journal Letters, 2022, 933, L11.	8.3	2
116	High-redshift Lyman-Î± galaxies. Proceedings of the International Astronomical Union, 2006, 2, 254-254.	0.0	0
117	LAE Galaxies at High Redshift: Formation Sites for Low-Metal Globular Clusters. Proceedings of the International Astronomical Union, 2012, 10, 257-258.	0.0	0
118	Lyman-alpha comes of age. Nature Astronomy, 2018, 2, 625-626.	10.1	0