Sowgat Muzahid

List of Publications by Year
in descending order

44	1,054	361045	433756
papers	citations	20 h-index	31 g-index

45	45	45	938
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MusE GAs FLOw and Wind (MEGAFLOW) II. A study of gas accretion around zÂâ‰ˆÂ1 star-forming galaxies with background quasars. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1961-1980.	1.6	86
2	MusE GAs FLOw and Wind (MEGAFLOW) â€“ III. Galactic wind properties using background quasars. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4368-4381.	1.6	81
3	AN EXTREME METALLICITY, LARGE-SCALE OUTFLOW FROM A STAR-FORMING GALAXY ATzâ¼ 0.4. Astrophysical Journal, 2015, 811, 132.	1.6	71
4	THE AZIMUTHAL DEPENDENCE OF OUTFLOWS AND ACCRETION DETECTED USING O vi ABSORPTION. Astrophysical Journal, 2015, 815, 22.	1.6	69
5	MUSEQuBES: calibrating the redshifts of Lyâ€‰Î± emitters using stacked circumgalactic medium absorption profiles. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1013-1022.	1.6	44
6	Galaxy and Quasar Fueling Caught in the Act from the Intragroup to the Interstellar Medium. Astrophysical Journal Letters, 2018, 869, L1.	3.0	39
7	Relationship between the Metallicity of the Circumgalactic Medium and Galaxy Orientation. Astrophysical Journal, 2019, 883, 78.	1.6	39
8	Dark Galaxy Candidates at Redshift â¼3.5 Detected with MUSE*. Astrophysical Journal, 2018, 859, 53.	1.6	37
9	MusE GAs FLOw and Wind (MEGAFLOW) VIII. Discovery of a Mg<scp>ii</scp> emission halo probed by a quasar sightline. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4294-4315.	1.6	35
10	MUSE Spectroscopic Identifications of Ultra-faint Emission Line Galaxies with M_{UV}Ââ¼Ââ’15[*]. Astrophysical Journal Letters, 2018, 865, L1.	3.0	34
11	PROBING THE LARGE AND MASSIVE CIRCUMGALACTIC MEDIUM OF A GALAXY ATzâ¼ 0.2 USING A PAIR OF QUASARS. Astrophysical Journal, 2014, 784, 5.	1.6	33
12	The Relationship between Galaxy ISM and Circumgalactic Gas Metallicities. Astrophysical Journal, 2019, 886, 91.	1.6	33
13	MOLECULAR HYDROGEN ABSORPTION FROM THE HALO OF A z â¼ 0.4 GALAXY. Astrophysical Journal, 2016, 823, 66.	1.6	31
14	The Impact of the Group Environment on the O vi Circumgalactic Medium. Astrophysical Journal, 2017, 844, 23.	1.6	28
15	The MUSEHubbleUltra Deep Field Survey. Astronomy and Astrophysics, 2017, 608, A7.	2.1	28
16	The Physical Origins of the Identified and Still Missing Components of the Warmâ€“Hot Intergalactic Medium: Insights from Deep Surveys in the Field of Blazar 1ES1553+113. Astrophysical Journal Letters, 2019, 884, L31.	3.0	26
17	The Relation between Galaxy ISM and Circumgalactic O vi Gas Kinematics Derived from Observations and Î›CDM Simulations. Astrophysical Journal, 2019, 870, 137.	1.6	25
18	THE HIGHLY IONIZED CIRCUMGALACTIC MEDIUM IS KINEMATICALLY UNIFORM AROUND GALAXIES. Astrophysical Journal, 2017, 834, 148.	1.6	24

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19	HALO MASS DEPENDENCE OF H I AND O VI ABSORPTION: EVIDENCE FOR DIFFERENTIAL KINEMATICS. Astrophysical Journal, 2014, 792, 128.	1.6	23
20	A pair of Oâ€‰vi and broad LyÂÎ± absorbers probing warm gas in a galaxy group environment atzâ‰ˆ 0.4. Monthly Notices of the Royal Astronomical Society, 2016, 458, 733-746.	1.6	22
21	Implications of an updated ultraviolet background for the ionization mechanisms of intervening Neâ€‰viii absorbers. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3133-3142.	1.6	20
22	Revealing the impact of quasar luminosity on giant Lyâ€‰Î± nebulae. Monthly Notices of the Royal Astronomical Society, 2021, 502, 494-509.	1.6	18
23	MusE GAs FLOw and Wind (MEGAFLOW) IV. A two sightline tomography of a galactic wind. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4576-4588.	1.6	17
24	MusE GAs FLOw and Wind V. The dust/metallicity-anisotropy of the circum-galactic medium. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3733-3745.	1.6	17
25	MUSEQuBES: characterizing the circumgalactic medium of redshift â‰ˆ3.3 Lyâ€‰Î± emitters. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5612-5637.	1.6	17
26	Characterizing circumgalactic gas around massive ellipticals atzâ‰ˆ 0.4 â€“ III. The galactic environment of a chemically pristine Lyman limit absorber. Monthly Notices of the Royal Astronomical Society, 2019, 484, 431-441.	1.6	16
27	Detection of two intervening Neâ€‰viii absorbers probing warm gas at z â‰ˆ 0.6. Monthly Notices of the Royal Astronomical Society, 2017, 471, 792-810.	1.6	15
28	A Giant LyÎ± Nebula and a Small-scale Clumpy Outflow in the System of the Exotic Quasar J0952+0114 Unveiled by MUSE^{â‰—}. Astrophysical Journal, 2019, 880, 47.	1.6	15
29	Cloud-by-cloud, multiphase, Bayesian modelling: application to four weak, low-ionization absorbers. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2112-2139.	1.6	14
30	Discovery of an H i-rich Gas Reservoir in the Outskirts of SZ-effect-selected Clusters. Astrophysical Journal Letters, 2017, 846, L8.	3.0	13
31	MusE GAs FLOw and Wind (MEGAFLOW) VI. A study of C<scp>â€‰iv</scp> and Mg<scp>â€‰ii</scp> absorbing gas surrounding [O<scp>â€‰ii</scp>] emitting galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1355-1363.	1.6	12
32	Kinematics of the O vi Circumgalactic Medium: Halo Mass Dependence and Outflow Signatures. Astrophysical Journal, 2019, 886, 66.	1.6	12
33	THE EXTREME ULTRAVIOLET VARIABILITY OF QUASARS. Astrophysical Journal, 2016, 830, 104.	1.6	11
34	C IV absorbers tracing cool gas in dense galaxy group/cluster environments. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	11
35	Detection of metal-rich, cool-warm gas in the outskirts of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2019, 488, 5327-5339.	1.6	8
36	Disentangling the multiphase circumgalactic medium shared between a dwarf and a massive star-forming galaxy at zâ‰ˆ0.4. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3987-3998.	1.6	7

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37	Evidence for galaxy quenching in the green valley caused by a lack of a circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2020, 500, 2289-2301.	1.6	6
38	Discovery of extremely low-metallicity circumgalactic gas at z = 0.5 towards Q0454â˘220. Monthly Notices of the Royal Astronomical Society, 2021, 506, 5640-5657.	1.6	4
39	Low-mass Group Environments Have No Substantial Impact on the Circumgalactic Medium Metallicity. Astronomical Journal, 2020, 159, 216.	1.9	4
40	Spatial Distribution of O vi Covering Fractions in the Simulated Circumgalactic Medium. Astrophysical Journal, 2021, 907, 8.	1.6	3
41	Pair lines of sight observations of multiphase gas bearing Oâ€‰vi in a galaxy environment. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3243-3261.	1.6	3
42	Discovery of a Cool, Metal-rich Gas Reservoir in the Outskirts of z â‰ˆ 0.5 Clusters. Astrophysical Journal, 2022, 933, 229.	1.6	3
43	HST Observations Reveal the Curious Geometry of Circumgalactic Gas. Proceedings of the International Astronomical Union, 2016, 11, 342-344.	0.0	0
44	Gas Kinematics in the Multiphase Circumgalactic Medium. Proceedings of the International Astronomical Union, 2016, 11, 345-347.	0.0	0