Irene Shivaei

List of Publications by Year
in descending order

57 papers	3,106 citations	186265 28 h-index	155660 55 g-index
57 all docs	57 docs citations	57 times ranked	2583 citing authors

#	Article	IF	Citations
1	THE MOSFIRE DEEP EVOLUTION FIELD (MOSDEF) SURVEY: REST-FRAME OPTICAL SPECTROSCOPY FOR â^¼1500 H -SELECTED GALAXIES AT $1.37leqslant zleqslant 3.8$. Astrophysical Journal, Supplement Series, 2015, 218, 15.	7.7	312
2	THE MOSDEF SURVEY: MEASUREMENTS OF BALMER DECREMENTS AND THE DUST ATTENUATION CURVE AT REDSHIFTSzâ^¼ 1.4â€“2.6. Astrophysical Journal, 2015, 806, 259.	4.5	278
3	THE MOSDEF SURVEY: ELECTRON DENSITY AND IONIZATION PARAMETER AT z â^¼ 2.3*. Astrophysical Journal, 2016, 816, 23.	4.5	218
4	THE MOSDEF SURVEY: MASS, METALLICITY, AND STAR-FORMATION RATE ATzâ^¼ 2.3. Astrophysical Journal, 2015, 799, 138.	4.5	211
5	THE MOSDEF SURVEY: EXCITATION PROPERTIES OFzâ^¼ 2.3 STAR-FORMING GALAXIES. Astrophysical Journal, 2015, 801, 88.	4.5	196
6	The MOSDEF Survey: The Evolution of the Massâ€“Metallicity Relation from z = 0 to z â^¼ 3.3*. Astrophysical Journal, 2021, 914, 19.	4.5	124
7	The MOSDEF survey: direct-method metallicities and ISM conditions at zÂâ^¼Â1.5â€“3.5. Monthly Notices of the Royal Astronomical Society, 2020, 491, 1427-1455.	4.4	116
8	THE MOSDEF SURVEY: OPTICAL ACTIVE GALACTIC NUCLEUS DIAGNOSTICS ATzâ^¼ 2.3. Astrophysical Journal, 2015, 801, 35.	4.5	111
9	The MOSDEF Survey: A Stellar Massâ€“SFRâ€“Metallicity Relation Exists at zÂâ^¼Â2.3^{â^—}. Astrophysical Journal, 2018, 858, 99.	4.5	108
10	THE MOSDEF SURVEY: DISSECTING THE STAR FORMATION RATE VERSUS STELLAR MASS RELATION USING HÎ±AND HÎ²EMISSION LINES ATzâ^¼ 2. Astrophysical Journal, 2015, 815, 98.	4.5	101
11	The MOSDEF Survey: Direct Observational Constraints on the Ionizing Photon Production Efficiency, Î¾_{ion}, at zÂâ^¼Â2. Astrophysical Journal, 2018, 855, 42.	4.5	88
12	The MOSDEF Survey: Significant Evolution in the Rest-frame Optical Emission Line Equivalent Widths of Star-forming Galaxies at zÂ=Â1.4â€“3.8. Astrophysical Journal, 2018, 869, 92.	4.5	83
13	THE MOSDEF SURVEY: AGN MULTI-WAVELENGTH IDENTIFICATION, SELECTION BIASES, AND HOST GALAXY PROPERTIES. Astrophysical Journal, 2017, 835, 27.	4.5	79
14	The MOSDEF Survey: The Variation of the Dust Attenuation Curve with Metallicity. Astrophysical Journal, 2020, 899, 117.	4.5	77
15	THE MOSDEF SURVEY: DYNAMICAL AND BARYONIC MASSES AND KINEMATIC STRUCTURES OF STAR-FORMING GALAXIES AT 1.4 â‰¤ z â‰¤ 2.6. Astrophysical Journal, 2016, 819, 80.	4.5	61
16	INVESTIGATING HÎ±, UV, AND IR STAR-FORMATION RATE DIAGNOSTICS FOR A LARGE SAMPLE OFzâ^¼ 2 GALAXIES. Astrophysical Journal, 2015, 804, 149.	4.5	58
17	THE MOSDEF SURVEY: DETECTION OF [O III]Î»4363 AND THE DIRECT-METHOD OXYGEN ABUNDANCE OF A STAR-FORMING GALAXY AT z = 3.08*. Astrophysical Journal Letters, 2016, 825, L23.	8.3	52
18	The MOSDEF Survey: A Census of AGN-driven Ionized Outflows at zÂ=Â1.4â€“3.8. Astrophysical Journal, 2019, 886, 11.	4.5	50

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19	SPECTROSCOPIC STUDY OF STAR-FORMING GALAXIES IN FILAMENTS AND THE FIELD ATzâ^¼ 0.5: EVIDENCE FOR ENVIRONMENTAL DEPENDENCE OF ELECTRON DENSITY. Astrophysical Journal, 2015, 814, 84.	4.5	47
20	THE MOSDEF SURVEY: THE STRONG AGREEMENT BETWEEN HÎ± AND UV-TO-FIR STAR FORMATION RATES FOR zÂâ^¼Â2 STAR-FORMING GALAXIES*. Astrophysical Journal Letters, 2016, 820, L23.	8.3	47
21	The MOSDEF Survey: The First Direct Measurements of the Nebular Dust Attenuation Curve at High Redshift*. Astrophysical Journal, 2020, 902, 123.	4.5	46
22	The MOSDEF Survey: Metallicity Dependence of PAH Emission at High Redshift and Implications for 24Î¼m Inferred IR Luminosities and Star Formation Rates atzâ^¼ 2. Astrophysical Journal, 2017, 837, 157.	4.5	42
23	Searches after Gravitational Waves Using ARizona Observatories (SAGUARO): System Overview and First Results from Advanced LIGO/Virgoâ€™s Third Observing Run. Astrophysical Journal Letters, 2019, 881, L26.	8.3	41
24	The MOSDEF Survey: Sulfur Emission-line Ratios Provide New Insights into Evolving Interstellar Medium Conditions at High Redshift^{â^—}. Astrophysical Journal Letters, 2019, 881, L35.	8.3	41
25	The MOSDEF Survey: The Prevalence and Properties of Galaxy-wide AGN-driven Outflows at zÂâ^¼Â2. Astrophysical Journal, 2017, 849, 48.	4.5	38
26	The MOSDEF Survey: Broad Emission Lines at zÂ=Â1.4â€“3.8*. Astrophysical Journal, 2019, 873, 102.	4.5	38
27	The MOSDEF Survey: Kinematic and Structural Evolution of Star-forming Galaxies at 1.4Ââ‰ÂzÂâ‰Â3.8. Astrophysical Journal, 2020, 894, 91.	4.5	34
28	The Effects of Stellar Population and Gas Covering Fraction on the Emergent LyÎ± Emission of High-redshift Galaxies*. Astrophysical Journal, 2022, 926, 31.	4.5	34
29	The MOSDEF Survey: The Metallicity Dependence of X-Ray Binary Populations at zÂâ^¼Â2. Astrophysical Journal, 2019, 885, 65.	4.5	28
30	The MOSDEF survey: a comprehensive analysis of the rest-optical emission-line properties of z â^¼ 2.3 star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2600-2614.	4.4	28
31	The Strength of the 2175 Ã... Feature in the Attenuation Curves of Galaxies at 0.1 < ÂzÂâ‰²Â3. Astrophysical Journal, 2020, 888, 108.	4.5	24
32	The MOSDEF Survey: First Measurement of Nebular Oxygen Abundance at zÂ>Â4*. Astrophysical Journal Letters, 2017, 846, L30.	8.3	23
33	The Far-infrared Emission of the First Massive Galaxies. Astrophysical Journal, 2018, 869, 4.	4.5	23
34	The MOSDEF Survey: The Nature of Mid-infrared Excess Galaxies and a Comparison of IR and UV Star Formation Tracers at zÂâ^¼Â2. Astrophysical Journal, 2018, 866, 63.	4.5	21
35	The MOSDEF Survey: Neon as a Probe of ISM Physical Conditions at High Redshift[*]. Astrophysical Journal Letters, 2020, 902, L16.	8.3	20
36	The MOSDEF Survey: [S iii] as a New Probe of Evolving Interstellar Medium Conditions*. Astrophysical Journal Letters, 2020, 888, L11.	8.3	19

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37	The MOSDEF Survey: Environmental Dependence of the Gas-phase Metallicity of Galaxies at 1.4 â‰ z â‰ 2.6*. Astrophysical Journal, 2021, 908, 120.	4.5	18
38	DUST ATTENUATION OF THE NEBULAR REGIONS OF z âˆ¼ 2 STAR-FORMING GALAXIES: INSIGHT FROM UV, IR, AND EMISSION LINES. Astrophysical Journal, 2016, 820, 96.	4.5	17
39	Dependence of the IRX-Î² Dust Attenuation Relation on Metallicity and Environment [*]. Astrophysical Journal Letters, 2020, 903, L28.	8.3	16
40	The MOSFIRE Deep Evolution Field Survey: Implications of the Lack of Evolution in the Dust Attenuationâ€“Mass Relation to z âˆ¼ 2*. Astrophysical Journal, 2022, 926, 145.	4.5	15
41	The MOSDEF Survey: No Significant Enhancement in Star Formation or Deficit in Metallicity in Merging Galaxy Pairs at 1.5Â‰²ÂzÂ‰²Â3.5^{â—}. Astrophysical Journal, 2019, 874, 18.	4.5	14
42	Simulating JWST/NIRCam Color Selection of High-redshift Galaxies. Astrophysical Journal, 2020, 892, 125.	4.5	14
43	Revisiting Attenuation Curves: The Case of NGC 3351*. Astrophysical Journal, 2021, 913, 37.	4.5	12
44	The MOSDEF survey: the massâ€“metallicity relationship and the existence of the FMR at z âˆ¼ 1.5. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1237-1249.	4.4	11
45	The UV 2175Ã... attenuation bump and its correlation with PAH emission at z âˆ¼ 2. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1886-1894.	4.4	10
46	The MOSDEF Survey: Stellar Continuum Spectra and Star Formation Histories of Active, Transitional, and Quiescent Galaxies at 1.4Â<ÂzÂ<Â2.6. Astrophysical Journal Letters, 2018, 867, L16.	8.3	8
47	The MOSDEF survey: differences in SFR and metallicity for morphologically selected mergers at z âˆ¼ 2. Monthly Notices of the Royal Astronomical Society, 2020, 501, 137-145.	4.4	8
48	The MOSDEF survey: an improved Voronoi binning technique on spatially resolved stellar populations at z âˆ¼ 2. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5009-5029.	4.4	7
49	Evidence for Gas-phase Metal Deficiency in Massive Protocluster Galaxies at z âˆ¼2.2*. Astrophysical Journal, 2021, 910, 57.	4.5	7
50	Variation of the nebular dust attenuation curve with the properties of local star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3588-3595.	4.4	7
51	Infrared Spectral Energy Distributions and Dust Masses of Sub-solar Metallicity Galaxies at z âˆ¼ 2.3. Astrophysical Journal, 2022, 928, 68.	4.5	7
52	The MOSDEF Survey: calibrating the relationship between HÂÎ± star formation rate and radio continuum luminosity at 1.4 < z < 2.6. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3648-3657.	4.4	5
53	Reconciling the results of the z âˆ¼ 2 MOSDEF and KBSS-MOSFIRE Surveys. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3871-3892.	4.4	5
54	The MOSDEF survey: the dependence of Hâ€‰Î±-to-UV SFR ratios on SFR and size at z âˆ¼ 2. Monthly Notices of the Royal Astronomical Society, 2021, 508, 1431-1445.	4.4	4

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55	The MOSDEF-LRIS survey: connection between galactic-scale outflows and the properties of z âˆ¼ 2 star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 515, 841-856.	4.4	4
56	Near-IR spectroscopic studies of galaxies at z âˆ¼ 1â€“3. Proceedings of the International Astronomical Union, 2019, 15, 216-227.	0.0	0
57	The Far-Infrared emission of the first (z âˆ¼ 6) massive galaxies. Proceedings of the International Astronomical Union, 2019, 15, 246-247.	0.0	0