

# Irene Shivaiei

## List of Publications by Year in descending order

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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 Effects of Stellar Population and Gas Covering Fraction on the Emergent Ly $\alpha$ Emission of High-redshift Galaxies*. Astrophysical Journal, 2022, 926, 31.	4.5	34
2	The MOSFIRE Deep Evolution Field Survey: Implications of the Lack of Evolution in the Dust Attenuationâ€“Mass Relation to $z \sim 2$ *. Astrophysical Journal, 2022, 926, 145.	4.5	15
3	Infrared Spectral Energy Distributions and Dust Masses of Sub-solar Metallicity Galaxies at $z \sim 2.3$ . Astrophysical Journal, 2022, 928, 68.	4.5	7
4	Reconciling the results of the $z \sim 2$ MOSDEF and KBSS-MOSFIRE Surveys. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3871-3892.	4.4	5
5	The UV 2175Å... attenuation bump and its correlation with PAH emission at $z \sim 2$ . Monthly Notices of the Royal Astronomical Society, 2022, 514, 1886-1894.	4.4	10
6	The MOSDEF-LRIS survey: connection between galactic-scale outflows and the properties of $z \sim 2$ star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 515, 841-856.	4.4	4
7	The MOSDEF Survey: Environmental Dependence of the Gas-phase Metallicity of Galaxies at $1.4 \lesssim z \lesssim 2.6$ *. Astrophysical Journal, 2021, 908, 120.	4.5	18
8	Evidence for Gas-phase Metal Deficiency in Massive Protocluster Galaxies at $z \sim 2.2$ *. Astrophysical Journal, 2021, 910, 57.	4.5	7
9	Revisiting Attenuation Curves: The Case of NGC 3351*. Astrophysical Journal, 2021, 913, 37.	4.5	12
10	The MOSDEF survey: the massâ€“metallicity relationship and the existence of the FMR at $z \sim 1.5$ . Monthly Notices of the Royal Astronomical Society, 2021, 506, 1237-1249.	4.4	11
11	The MOSDEF Survey: The Evolution of the Massâ€“Metallicity Relation from $z = 0$ to $z \sim 3.3$ *. Astrophysical Journal, 2021, 914, 19.	4.5	124
12	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
13	The MOSDEF survey: the dependence of H $\alpha$ -to-UV SFR ratios on SFR and size at $z \sim 2$ . Monthly Notices of the Royal Astronomical Society, 2021, 508, 1431-1445.	4.4	4
14	The MOSDEF survey: a comprehensive analysis of the rest-optical emission-line properties of $z \sim 2.3$ star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2600-2614.	4.4	28
15	The MOSDEF Survey: calibrating the relationship between H $\alpha$ star formation rate and radio continuum luminosity at $1.4 \lesssim z \lesssim 2.6$ . Monthly Notices of the Royal Astronomical Society, 2020, 498, 3648-3657.	4.4	5
16	The MOSDEF survey: an improved Voronoi binning technique on spatially resolved stellar populations at $z \sim 2$ . Monthly Notices of the Royal Astronomical Society, 2020, 498, 5009-5029.	4.4	7
17	The MOSDEF Survey: Kinematic and Structural Evolution of Star-forming Galaxies at $1.4 \lesssim z \lesssim 3.8$ . Astrophysical Journal, 2020, 894, 91.	4.5	34
18	Simulating JWST/NIRCam Color Selection of High-redshift Galaxies. Astrophysical Journal, 2020, 892, 125.	4.5	14

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19	The MOSDEF survey: direct-method metallicities and ISM conditions at $z \sim 1.5$ . Monthly Notices of the Royal Astronomical Society, 2020, 491, 1427-1455.	4.4	116
20	The Strength of the 2175 Å... Feature in the Attenuation Curves of Galaxies at $0.1 < z < 3$ . Astrophysical Journal, 2020, 888, 108.	4.5	24
21	The MOSDEF survey: differences in SFR and metallicity for morphologically selected mergers at $z < 2$ . Monthly Notices of the Royal Astronomical Society, 2020, 501, 137-145.	4.4	8
22	The MOSDEF Survey: The Variation of the Dust Attenuation Curve with Metallicity. Astrophysical Journal, 2020, 899, 117.	4.5	77
23	The MOSDEF Survey: The First Direct Measurements of the Nebular Dust Attenuation Curve at High Redshift*. Astrophysical Journal, 2020, 902, 123.	4.5	46
24	The MOSDEF Survey: [S iii] as a New Probe of Evolving Interstellar Medium Conditions*. Astrophysical Journal Letters, 2020, 888, L11.	8.3	19
25	The MOSDEF Survey: Neon as a Probe of ISM Physical Conditions at High Redshift*. Astrophysical Journal Letters, 2020, 902, L16.	8.3	20
26	Dependence of the IRX- $\tau^2$ Dust Attenuation Relation on Metallicity and Environment*. Astrophysical Journal Letters, 2020, 903, L28.	8.3	16
27	Searches after Gravitational Waves Using ARIZONA Observatories (SAGUARO): System Overview and First Results from Advanced LIGO/VIRGO's Third Observing Run. Astrophysical Journal Letters, 2019, 881, L26.	8.3	41
28	The MOSDEF Survey: No Significant Enhancement in Star Formation or Deficit in Metallicity in Merging Galaxy Pairs at $1.5 < z < 3.5$ . Astrophysical Journal, 2019, 874, 18.	4.5	14
29	The MOSDEF Survey: Broad Emission Lines at $z = 1.4 - 3.8$ . Astrophysical Journal, 2019, 873, 102.	4.5	38
30	Near-IR spectroscopic studies of galaxies at $z \sim 1 - 3$ . Proceedings of the International Astronomical Union, 2019, 15, 216-227.	0.0	0
31	The Far-Infrared emission of the first ( $z \sim 6$ ) massive galaxies. Proceedings of the International Astronomical Union, 2019, 15, 246-247.	0.0	0
32	The MOSDEF Survey: The Metallicity Dependence of X-Ray Binary Populations at $z \sim 2$ . Astrophysical Journal, 2019, 885, 65.	4.5	28
33	The MOSDEF Survey: A Census of AGN-driven Ionized Outflows at $z = 1.4 - 3.8$ . Astrophysical Journal, 2019, 886, 11.	4.5	50
34	The MOSDEF Survey: Sulfur Emission-line Ratios Provide New Insights into Evolving Interstellar Medium Conditions at High Redshift*. Astrophysical Journal Letters, 2019, 881, L35.	8.3	41
35	The MOSDEF Survey: Direct Observational Constraints on the Ionizing Photon Production Efficiency, $\Gamma_{\text{ion}}$ , at $z \sim 2$ . Astrophysical Journal, 2018, 855, 42.	4.5	88
36	The MOSDEF Survey: The Nature of Mid-infrared Excess Galaxies and a Comparison of IR and UV Star Formation Tracers at $z \sim 2$ . Astrophysical Journal, 2018, 866, 63.	4.5	21

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37	The Far-infrared Emission of the First Massive Galaxies. <i>Astrophysical Journal</i> , 2018, 869, 4.	4.5	23
38	The MOSDEF Survey: Significant Evolution in the Rest-frame Optical Emission Line Equivalent Widths of Star-forming Galaxies at $z=1.4-3.8$ . <i>Astrophysical Journal</i> , 2018, 869, 92.	4.5	83
39	The MOSDEF Survey: Stellar Continuum Spectra and Star Formation Histories of Active, Transitional, and Quiescent Galaxies at $1.4 < z < 2.6$ . <i>Astrophysical Journal Letters</i> , 2018, 867, L16.	8.3	8
40	The MOSDEF Survey: A Stellar Mass-SFR-Metallicity Relation Exists at $z \sim 2.3$ . <i>Astrophysical Journal</i> , 2018, 858, 99.	4.5	108
41	THE MOSDEF SURVEY: AGN MULTI-WAVELENGTH IDENTIFICATION, SELECTION BIASES, AND HOST GALAXY PROPERTIES. <i>Astrophysical Journal</i> , 2017, 835, 27.	4.5	79
42	The MOSDEF Survey: Metallicity Dependence of PAH Emission at High Redshift and Implications for $24 \mu\text{m}$ Inferred IR Luminosities and Star Formation Rates at $z < 2$ . <i>Astrophysical Journal</i> , 2017, 837, 157.	4.5	42
43	The MOSDEF Survey: The Prevalence and Properties of Galaxy-wide AGN-driven Outflows at $z \sim 2$ . <i>Astrophysical Journal</i> , 2017, 849, 48.	4.5	38
44	The MOSDEF Survey: First Measurement of Nebular Oxygen Abundance at $z > 4$ . <i>Astrophysical Journal Letters</i> , 2017, 846, L30.	8.3	23
45	DUST ATTENUATION OF THE NEBULAR REGIONS OF $z \sim 2$ STAR-FORMING GALAXIES: INSIGHT FROM UV, IR, AND EMISSION LINES. <i>Astrophysical Journal</i> , 2016, 820, 96.	4.5	17
46	THE MOSDEF SURVEY: THE STRONG AGREEMENT BETWEEN $H\alpha$ AND UV-TO-FIR STAR FORMATION RATES FOR $z \sim 2$ STAR-FORMING GALAXIES*. <i>Astrophysical Journal Letters</i> , 2016, 820, L23.	8.3	47
47	THE MOSDEF SURVEY: DETECTION OF $[O III]\lambda 4363$ AND THE DIRECT-METHOD OXYGEN ABUNDANCE OF A STAR-FORMING GALAXY AT $z = 3.08$ *. <i>Astrophysical Journal Letters</i> , 2016, 825, L23.	8.3	52
48	THE MOSDEF SURVEY: DYNAMICAL AND BARYONIC MASSES AND KINEMATIC STRUCTURES OF STAR-FORMING GALAXIES AT $1.4 < z < 2.6$ . <i>Astrophysical Journal</i> , 2016, 819, 80.	4.5	61
49	THE MOSDEF SURVEY: ELECTRON DENSITY AND IONIZATION PARAMETER AT $z \sim 2.3$ *. <i>Astrophysical Journal</i> , 2016, 816, 23.	4.5	218
50	SPECTROSCOPIC STUDY OF STAR-FORMING GALAXIES IN FILAMENTS AND THE FIELD AT $z < 0.5$ : EVIDENCE FOR ENVIRONMENTAL DEPENDENCE OF ELECTRON DENSITY. <i>Astrophysical Journal</i> , 2015, 814, 84.	4.5	47
51	THE MOSDEF SURVEY: DISSECTING THE STAR FORMATION RATE VERSUS STELLAR MASS RELATION USING $H\alpha$ AND $H\beta$ EMISSION LINES AT $z < 2$ . <i>Astrophysical Journal</i> , 2015, 815, 98.	4.5	101
52	THE MOSDEF SURVEY: MASS, METALLICITY, AND STAR-FORMATION RATE AT $z < 2.3$ . <i>Astrophysical Journal</i> , 2015, 799, 138.	4.5	211
53	INVESTIGATING $H\alpha$ , UV, AND IR STAR-FORMATION RATE DIAGNOSTICS FOR A LARGE SAMPLE OF $z < 2$ GALAXIES. <i>Astrophysical Journal</i> , 2015, 804, 149.	4.5	58
54	THE MOSFIRE DEEP EVOLUTION FIELD (MOSDEF) SURVEY: REST-FRAME OPTICAL SPECTROSCOPY FOR $\sim 1500$ $H\alpha$ -SELECTED GALAXIES AT $1.37 < z < 3.8$ . <i>Astrophysical Journal, Supplement Series</i> , 2015, 218, 15.	7.7	312

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55	THE MOSDEF SURVEY: MEASUREMENTS OF BALMER DECREMENTS AND THE DUST ATTENUATION CURVE AT REDSHIFTS $z \sim 1.4$ – $2.6$ . <i>Astrophysical Journal</i> , 2015, 806, 259.	4.5	278
56	THE MOSDEF SURVEY: EXCITATION PROPERTIES OF $z \sim 2.3$ STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2015, 801, 88.	4.5	196
57	THE MOSDEF SURVEY: OPTICAL ACTIVE GALACTIC NUCLEUS DIAGNOSTICS AT $z \sim 2.3$ . <i>Astrophysical Journal</i> , 2015, 801, 35.	4.5	111