

# William R Freeman

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

2,989  
citations

201674

27  
h-index

265206

42  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2217  
citing authors

#	ARTICLE	IF	CITATIONS
1	THE MOSFIRE DEEP EVOLUTION FIELD (MOSDEF) SURVEY: REST-FRAME OPTICAL SPECTROSCOPY FOR $\sim 1500$ $H$ -SELECTED GALAXIES AT $1.37 \leq z \leq 3.8$ . <i>Astrophysical Journal, Supplement Series</i> , 2015, 218, 15.	7.7	312
2	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
3	THE MOSDEF SURVEY: ELECTRON DENSITY AND IONIZATION PARAMETER AT $z \sim 2.3$ *. <i>Astrophysical Journal</i> , 2016, 816, 23.	4.5	218
4	THE MOSDEF SURVEY: MASS, METALLICITY, AND STAR-FORMATION RATE AT $z \sim 2.3$ . <i>Astrophysical Journal</i> , 2015, 799, 138.	4.5	211
5	THE MOSDEF SURVEY: EXCITATION PROPERTIES OF $z \sim 2.3$ STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2015, 801, 88.	4.5	196
6	The MOSDEF Survey: The Evolution of the Mass–Metallicity Relation from $z = 0$ to $z \sim 3.3$ *. <i>Astrophysical Journal</i> , 2021, 914, 19.	4.5	124
7	The MOSDEF survey: direct-method metallicities and ISM conditions at $z \sim 1.5$ – $3.5$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 1427-1455.	4.4	116
8	ULTRA-FAINT ULTRAVIOLET GALAXIES AT $z \sim 2$ BEHIND THE LENSING CLUSTER A1689: THE LUMINOSITY FUNCTION, DUST EXTINCTION, AND STAR FORMATION RATE DENSITY. <i>Astrophysical Journal</i> , 2014, 780, 143.	4.5	111
9	THE MOSDEF SURVEY: OPTICAL ACTIVE GALACTIC NUCLEUS DIAGNOSTICS AT $z \sim 2.3$ . <i>Astrophysical Journal</i> , 2015, 801, 35.	4.5	111
10	The MOSDEF Survey: A Stellar Mass–SFR–Metallicity Relation Exists at $z \sim 2.3$ – $3$ . <i>Astrophysical Journal</i> , 2018, 858, 99.	4.5	108
11	THE MOSDEF SURVEY: DISSECTING THE STAR FORMATION RATE VERSUS STELLAR MASS RELATION USING $H\alpha$ AND $H\beta$ EMISSION LINES AT $z \sim 2$ . <i>Astrophysical Journal</i> , 2015, 815, 98.	4.5	101
12	The MOSDEF Survey: Direct Observational Constraints on the Ionizing Photon Production Efficiency, $\Gamma_{\text{ion}}$ , at $z \sim 2$ . <i>Astrophysical Journal</i> , 2018, 855, 42.	4.5	88
13	The MOSDEF Survey: Significant Evolution in the Rest-frame Optical Emission Line Equivalent Widths of Star-forming Galaxies at $z \sim 1.4$ – $3.8$ . <i>Astrophysical Journal</i> , 2018, 869, 92.	4.5	83
14	THE MOSDEF SURVEY: AGN MULTI-WAVELENGTH IDENTIFICATION, SELECTION BIASES, AND HOST GALAXY PROPERTIES. <i>Astrophysical Journal</i> , 2017, 835, 27.	4.5	79
15	The MOSDEF Survey: The Variation of the Dust Attenuation Curve with Metallicity. <i>Astrophysical Journal</i> , 2020, 899, 117.	4.5	77
16	THE EVOLUTION OF THE FAINT END OF THE UV LUMINOSITY FUNCTION DURING THE PEAK EPOCH OF STAR FORMATION *. <i>Astrophysical Journal</i> , 2016, 832, 56.	4.5	70
17	THE MOSDEF SURVEY: DYNAMICAL AND BARYONIC MASSES AND KINEMATIC STRUCTURES OF STAR-FORMING GALAXIES AT $1.4 \leq z \leq 2.6$ . <i>Astrophysical Journal</i> , 2016, 819, 80.	4.5	61
18	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

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19	The MOSDEF Survey: A Census of AGN-driven Ionized Outflows at $z=1.4-3.8$ . <i>Astrophysical Journal</i> , 2019, 886, 11.	4.5	50
20	THE MOSDEF SURVEY: THE STRONG AGREEMENT BETWEEN $H\beta$ AND UV-TO-FIR STAR FORMATION RATES FOR $z=1.4-2$ STAR-FORMING GALAXIES*. <i>Astrophysical Journal Letters</i> , 2016, 820, L23.	8.3	47
21	The MOSDEF Survey: The First Direct Measurements of the Nebular Dust Attenuation Curve at High Redshift*. <i>Astrophysical Journal</i> , 2020, 902, 123.	4.5	46
22	The MOSDEF Survey: Metallicity Dependence of PAH Emission at High Redshift and Implications for $z=1.4-2$ Inferred IR Luminosities and Star Formation Rates at $z=1.4-2$ . <i>Astrophysical Journal</i> , 2017, 837, 157.	4.5	42
23	The MOSDEF Survey: Sulfur Emission-line Ratios Provide New Insights into Evolving Interstellar Medium Conditions at High Redshift. <i>Astrophysical Journal Letters</i> , 2019, 881, L35.	8.3	41
24	The MOSDEF Survey: The Prevalence and Properties of Galaxy-wide AGN-driven Outflows at $z=1.4-2$ . <i>Astrophysical Journal</i> , 2017, 849, 48.	4.5	38
25	The MOSDEF Survey: Broad Emission Lines at $z=1.4-3.8$ . <i>Astrophysical Journal</i> , 2019, 873, 102.	4.5	38
26	The MOSDEF Survey: Kinematic and Structural Evolution of Star-forming Galaxies at $1.4 < z < 3.8$ . <i>Astrophysical Journal</i> , 2020, 894, 91.	4.5	34
27	The MOSDEF Survey: The Metallicity Dependence of X-Ray Binary Populations at $z=1.4-2$ . <i>Astrophysical Journal</i> , 2019, 885, 65.	4.5	28
28	The MOSDEF survey: a comprehensive analysis of the rest-optical emission-line properties of $z=1.4-2.3$ star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 2600-2614.	4.4	28
29	The Ionizing Photon Production Efficiency ( $f_{\text{ion}}$ ) of Lensed Dwarf Galaxies at $z=1.4-2$ . <i>Astrophysical Journal</i> , 2020, 895, 116.	4.5	26
30	The MOSDEF Survey: First Measurement of Nebular Oxygen Abundance at $z > 1.4$ . <i>Astrophysical Journal Letters</i> , 2017, 846, L30.	8.3	23
31	The MOSDEF Survey: The Nature of Mid-infrared Excess Galaxies and a Comparison of IR and UV Star Formation Tracers at $z=1.4-2$ . <i>Astrophysical Journal</i> , 2018, 866, 63.	4.5	21
32	The MOSDEF Survey: Neon as a Probe of ISM Physical Conditions at High Redshift. <i>Astrophysical Journal Letters</i> , 2020, 902, L16.	8.3	20
33	The MOSDEF Survey: [S iii] as a New Probe of Evolving Interstellar Medium Conditions*. <i>Astrophysical Journal Letters</i> , 2020, 888, L11.	8.3	19
34	The MOSDEF Survey: Environmental Dependence of the Gas-phase Metallicity of Galaxies at $1.4 < z < 2.6$ . <i>Astrophysical Journal</i> , 2021, 908, 120.	4.5	18
35	The Detection of [O iii] $\lambda 4363$ in a Lensed, Dwarf Galaxy at $z=2.59$ : Testing Metallicity Indicators and Scaling Relations at High Redshift and Low Mass*. <i>Astrophysical Journal</i> , 2019, 887, 168.	4.5	17
36	The MOSDEF Survey: No Significant Enhancement in Star Formation or Deficit in Metallicity in Merging Galaxy Pairs at $1.5 < z < 3.5$ . <i>Astrophysical Journal</i> , 2019, 874, 18.	4.5	14

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37	The MOSDEF survey: the mass-metallicity relationship and the existence of the FMR at $z \approx 1.5$ . Monthly Notices of the Royal Astronomical Society, 2021, 506, 1237-1249.	4.4	11
38	The MOSDEF Survey: Stellar Continuum Spectra and Star Formation Histories of Active, Transitional, and Quiescent Galaxies at $1.4 < z < 2.6$ . Astrophysical Journal Letters, 2018, 867, L16.	8.3	8
39	The MOSDEF survey: differences in SFR and metallicity for morphologically selected mergers at $z \approx 2$ . Monthly Notices of the Royal Astronomical Society, 2020, 501, 137-145.	4.4	8
40	The MOSDEF survey: an improved Voronoi binning technique on spatially resolved stellar populations at $z \approx 2$ . Monthly Notices of the Royal Astronomical Society, 2020, 498, 5009-5029.	4.4	7
41	Reconciling the results of the $z \approx 2$ MOSDEF and KBSS-MOSFIRE Surveys. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3871-3892.	4.4	5
42	The MOSDEF survey: the dependence of H $\alpha$ -to-UV SFR ratios on SFR and size at $z \approx 2$ . Monthly Notices of the Royal Astronomical Society, 2021, 508, 1431-1445.	4.4	4