William R Freeman

List of Publications by Year in descending order

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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	Reconciling the results of the z â¼ 2 MOSDEF and KBSS-MOSFIRE Surveys. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3871-3892.	4.4	5
2	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
3	The MOSDEF survey: the massâ€“metallicity relationship and the existence of the FMR at z â¼ 1.5. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1237-1249.	4.4	11
4	The MOSDEF Survey: The Evolution of the Massâ€“Metallicity Relation from z = 0 to z â¼ 3.3*. Astrophysical Journal, 2021, 914, 19.	4.5	124
5	The MOSDEF survey: the dependence of Hâ€‰Î±-to-UV SFR ratios on SFR and size at z â¼ 2. Monthly Notices of the Royal Astronomical Society, 2021, 508, 1431-1445.	4.4	4
6	The MOSDEF survey: a comprehensive analysis of the rest-optical emission-line properties of z â¼ 2.3 star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2600-2614.	4.4	28
7	The MOSDEF survey: an improved Voronoi binning technique on spatially resolved stellar populations at z â¼ 2. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5009-5029.	4.4	7
8	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
9	The Ionizing Photon Production Efficiency (Î¾_{ion}) of Lensed Dwarf Galaxies at zÂâ¼Â2*. Astrophysical Journal, 2020, 895, 116.	4.5	26
10	The MOSDEF survey: direct-method metallicities and ISM conditions at zÂâ¼Â1.5â€“3.5. Monthly Notices of the Royal Astronomical Society, 2020, 491, 1427-1455.	4.4	116
11	The MOSDEF survey: differences in SFR and metallicity for morphologically selected mergers at z â¼ 2. Monthly Notices of the Royal Astronomical Society, 2020, 501, 137-145.	4.4	8
12	The MOSDEF Survey: The Variation of the Dust Attenuation Curve with Metallicity. Astrophysical Journal, 2020, 899, 117.	4.5	77
13	The MOSDEF Survey: The First Direct Measurements of the Nebular Dust Attenuation Curve at High Redshift*. Astrophysical Journal, 2020, 902, 123.	4.5	46
14	The MOSDEF Survey: [S iii] as a New Probe of Evolving Interstellar Medium Conditions*. Astrophysical Journal Letters, 2020, 888, L11.	8.3	19
15	The MOSDEF Survey: Neon as a Probe of ISM Physical Conditions at High Redshift[*]. Astrophysical Journal Letters, 2020, 902, L16.	8.3	20
16	The MOSDEF Survey: No Significant Enhancement in Star Formation or Deficit in Metallicity in Merging Galaxy Pairs at 1.5Ââ‰²ÂzÂâ‰²Â3.5^{â—}. Astrophysical Journal, 2019, 874, 18.	4.5	14
17	The MOSDEF Survey: Broad Emission Lines at zÂ=Â1.4â€“3.8*. Astrophysical Journal, 2019, 873, 102.	4.5	38
18	The MOSDEF Survey: The Metallicity Dependence of X-Ray Binary Populations at zÂâ¼Â2. Astrophysical Journal, 2019, 885, 65.	4.5	28

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19	The MOSDEF Survey: A Census of AGN-driven Ionized Outflows at zÂ=Â1.4â€“3.8. Astrophysical Journal, 2019, 886, 11.	4.5	50
20	The Detection of [O iii] Î»4363 in a Lensed, Dwarf Galaxy at zÂ=Â2.59: Testing Metallicity Indicators and Scaling Relations at High Redshift and Low Mass*. Astrophysical Journal, 2019, 887, 168.	4.5	17
21	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
22	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
23	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
24	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
25	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
26	The MOSDEF Survey: A Stellar Massâ€“SFRâ€“Metallicity Relation Exists at zÂâ^¼Â2.3^{â^—}. Astrophysical Journal, 2018, 858, 99.	4.5	108
27	THE MOSDEF SURVEY: AGN MULTI-WAVELENGTH IDENTIFICATION, SELECTION BIASES, AND HOST GALAXY PROPERTIES. Astrophysical Journal, 2017, 835, 27.	4.5	79
28	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
29	The MOSDEF Survey: The Prevalence and Properties of Galaxy-wide AGN-driven Outflows at zÂâ^¼Â2. Astrophysical Journal, 2017, 849, 48.	4.5	38
30	The MOSDEF Survey: First Measurement of Nebular Oxygen Abundance at zÂ>Â4*. Astrophysical Journal Letters, 2017, 846, L30.	8.3	23
31	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
32	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
33	THE EVOLUTION OF THE FAINT END OF THE UV LUMINOSITY FUNCTION DURING THE PEAK EPOCH OF STAR FORMATION *. Astrophysical Journal, 2016, 832, 56.	4.5	70
34	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
35	THE MOSDEF SURVEY: ELECTRON DENSITY AND IONIZATION PARAMETER AT z â^¼ 2.3*. Astrophysical Journal, 2016, 816, 23.	4.5	218
36	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

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37	THE MOSDEF SURVEY: MASS, METALLICITY, AND STAR-FORMATION RATE ATzâ^¼ 2.3. Astrophysical Journal, 2015, 799, 138.	4.5	211
38	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
39	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
40	THE MOSDEF SURVEY: EXCITATION PROPERTIES OFzâ^¼ 2.3 STAR-FORMING GALAXIES. Astrophysical Journal, 2015, 801, 88.	4.5	196
41	THE MOSDEF SURVEY: OPTICAL ACTIVE GALACTIC NUCLEUS DIAGNOSTICS ATzâ^¼ 2.3. Astrophysical Journal, 2015, 801, 35.	4.5	111
42	ULTRA-FAINT ULTRAVIOLET GALAXIES ATzâ^¼ 2 BEHIND THE LENSING CLUSTER A1689: THE LUMINOSITY FUNCTION, DUST EXTINCTION, AND STAR FORMATION RATE DENSITY. Astrophysical Journal, 2014, 780, 143.	4.5	111