Joel Leja

List of Publications by Year
in descending order

73	7,678	76326	85541
papers	citations	40 h-index	71 g-index

75	75	75	4592
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	3D-HST+CANDELS: THE EVOLUTION OF THE GALAXY SIZE-MASS DISTRIBUTION SINCEz= 3. Astrophysical Journal, 2014, 788, 28.	4.5	944
2	3D-HST WFC3-SELECTED PHOTOMETRIC CATALOGS IN THE FIVE CANDELS/3D-HST FIELDS: PHOTOMETRY, PHOTOMETRIC REDSHIFTS, AND STELLAR MASSES. Astrophysical Journal, Supplement Series, 2014, 214, 24.	7.7	728
3	CONSTRAINING THE LOW-MASS SLOPE OF THE STAR FORMATION SEQUENCE AT 0.5 <<i>z</i>< 2.5. Astrophysical Journal, 2014, 795, 104.	4.5	646
4	3D-HST: A WIDE-FIELD GRISM SPECTROSCOPIC SURVEY WITH THE HUBBLE SPACE TELESCOPE. Astrophysical Journal, Supplement Series, 2012, 200, 13.	7.7	536
5	THE 3D-HST SURVEY: HUBBLE SPACE TELESCOPE WFC3/G141 GRISM SPECTRA, REDSHIFTS, AND EMISSION LINE MEASUREMENTS FOR âˆ¼100,000 GALAXIES. Astrophysical Journal, Supplement Series, 2016, 225, 27.	7.7	513
6	Deriving Physical Properties from Broadband Photometry with Prospector: Description of the Model and a Demonstration of its Accuracy Using 129 Galaxies in the Local Universe. Astrophysical Journal, 2017, 837, 170.	4.5	312
7	Stellar Population Inference with Prospector. Astrophysical Journal, Supplement Series, 2021, 254, 22.	7.7	259
8	How to Measure Galaxy Star Formation Histories. II. Nonparametric Models. Astrophysical Journal, 2019, 876, 3.	4.5	248
9	FORMING COMPACT MASSIVE GALAXIES. Astrophysical Journal, 2015, 813, 23.	4.5	240
10	THE ASSEMBLY OF MILKY-WAY-LIKE GALAXIES SINCE z âˆ¼ 2.5. Astrophysical Journal Letters, 2013, 771, L35.	8.3	202
11	RESULTS OF THE LICK OBSERVATORY SUPERNOVA SEARCH FOLLOW-UP PHOTOMETRY PROGRAM: BVRI LIGHT CURVES OF 165 TYPE Ia SUPERNOVAE. Astrophysical Journal, Supplement Series, 2010, 190, 418-448.	7.7	200
12	WHERE STARS FORM: INSIDE-OUT GROWTH AND COHERENT STAR FORMATION FROM HST HÎ±ÂMAPS OF 3200 GALAXIES ACROSS THE MAIN SEQUENCE AT 0.7Â< zÂ<Â1.5. Astrophysical Journal, 2016, 828, 27.	4.5	166
13	An Older, More Quiescent Universe from Panchromatic SED Fitting of the 3D-HST Survey. Astrophysical Journal, 2019, 877, 140.	4.5	156
14	How to Measure Galaxy Star Formation Histories. I. Parametric Models. Astrophysical Journal, 2019, 873, 44.	4.5	156
15	PS16dtm: A Tidal Disruption Event in a Narrow-line Seyfert 1 Galaxy. Astrophysical Journal, 2017, 843, 106.	4.5	125
16	COSMOS-DASH: The Evolution of the Galaxy Sizeâ€“Mass Relation since zÂâˆ¼Â3 from New Wide-field WFC3 Imaging Combined with CANDELS/3D-HST. Astrophysical Journal, 2019, 880, 57.	4.5	118
17	DENSE CORES IN GALAXIES OUT TOz= 2.5 IN SDSS, UltraVISTA, AND THE FIVE 3D-HST/CANDELS FIELDS. Astrophysical Journal, 2014, 791, 45.	4.5	111
18	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. VII. Properties of the Host Galaxy and Constraints on the Merger Timescale. Astrophysical Journal Letters, 2017, 848, L22.	8.3	107

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19	GALAXY STRUCTURE AS A DRIVER OF THE STAR FORMATION SEQUENCE SLOPE AND SCATTER. Astrophysical Journal Letters, 2015, 811, L12.	8.3	98
20	How Well Can We Measure the Stellar Mass of a Galaxy: The Impact of the Assumed Star Formation History Model in SED Fitting. Astrophysical Journal, 2020, 904, 33.	4.5	95
21	TRACING GALAXIES THROUGH COSMIC TIME WITH NUMBER DENSITY SELECTION. Astrophysical Journal, 2013, 766, 33.	4.5	74
22	OBSERVATIONS OF ENVIRONMENTAL QUENCHING IN GROUPS IN THE 11 GYR SINCEz= 2.5: DIFFERENT QUENCHING FOR CENTRAL AND SATELLITE GALAXIES. Astrophysical Journal, 2014, 789, 164.	4.5	74
23	A massive galaxy in its core formation phase three billion years after the Big Bang. Nature, 2014, 513, 394-397.	27.8	71
24	A New Census of the 0.2Â<ÂzÂ<Â3.0 Universe. I. The Stellar Mass Function. Astrophysical Journal, 2020, 893, 111.	4.5	71
25	Discovery of a Dark, Massive, ALMA-only Galaxy at zÂâˆ¼Â5â€“6 in a Tiny 3 mm Survey. Astrophysical Journal, 2019, 884, 154.	4.5	70
26	Fast, Slow, Early, Late: Quenching Massive Galaxies at z âˆ¼ 0.8. Astrophysical Journal, 2022, 926, 134.	4.5	70
27	On the importance of using appropriate spectral models to derive physical properties of galaxies at 0.7Â<ÂzÂ<Â2.8. Monthly Notices of the Royal Astronomical Society, 2015, 447, 786-805.	4.4	61
28	RECONCILING THE OBSERVED STAR-FORMING SEQUENCE WITH THE OBSERVED STELLAR MASS FUNCTION. Astrophysical Journal, 2015, 798, 115.	4.5	59
29	TIGHT CORRELATIONS BETWEEN MASSIVE GALAXY STRUCTURAL PROPERTIES AND DYNAMICS: THE MASS FUNDAMENTAL PLANE WAS IN PLACE BY z âˆ¼ 2. Astrophysical Journal Letters, 2013, 779, L21.	8.3	56
30	Spatially resolved star formation and inside-out quenching in the TNG50 simulation and 3D-HST observations. Monthly Notices of the Royal Astronomical Society, 2021, 508, 219-235.	4.4	56
31	Hot Dust in Panchromatic SED Fitting: Identification of Active Galactic Nuclei and Improved Galaxy Properties. Astrophysical Journal, 2018, 854, 62.	4.5	54
32	Lick Observatory Supernova Search follow-up program: photometry data release of 93 Type Ia supernovae. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3882-3907.	4.4	52
33	The Superluminous Supernova SN 2017egm in the Nearby Galaxy NGC 3191: A Metal-rich Environment Can Support a Typical SLSN Evolution. Astrophysical Journal Letters, 2017, 845, L8.	8.3	51
34	The tidal disruption event AT2017eqx: spectroscopic evolution from hydrogen rich to poor suggests an atmosphere and outflow. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1878-1893.	4.4	49
35	THE RADIAL DISTRIBUTION OF STAR FORMATION IN GALAXIES AT z âˆ¼ 1 FROM THE 3D-HST SURVEY. Astrophysical Journal Letters, 2013, 763, L16.	8.3	48
36	The Hubble Legacy Field GOODS-S Photometric Catalog. Astrophysical Journal, Supplement Series, 2019, 244, 16.	7.7	47

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37	Beyond UVJ: More Efficient Selection of Quiescent Galaxies with Ultraviolet/Mid-infrared Fluxes. Astrophysical Journal Letters, 2019, 880, L9.	8.3	46
38	THE STRUCTURAL EVOLUTION OF MILKY-WAY-LIKE STAR-FORMING GALAXIES SINCEzâ¼ 1.3. Astrophysical Journal, 2013, 778, 115.	4.5	45
39	Chronicling the Host Galaxy Properties of the Remarkable Repeating FRB 20201124A. Astrophysical Journal Letters, 2021, 919, L23.	8.3	45
40	Model-independent constraints on the hydrogen-ionizing emissivity at z > 6. Monthly Notices of the Royal Astronomical Society, 2019, 489, 2669-2676.	4.4	42
41	The GOGREEN survey: post-infall environmental quenching fails to predict the observed age difference between quiescent field and cluster galaxies at zÂ>Â1. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5317-5342.	4.4	37
42	Quenching of star formation from a lack of inflowing gas to galaxies. Nature, 2021, 597, 485-488.	27.8	36
43	Millimeter Mapping at zÂâ¼Â1: Dust-obscured Bulge Building and Disk Growth. Astrophysical Journal, 2019, 870, 130.	4.5	33
44	SPECULATOR: Emulating Stellar Population Synthesis for Fast and Accurate Galaxy Spectra and Photometry. Astrophysical Journal, Supplement Series, 2020, 249, 5.	7.7	33
45	SN 2016iet: The Pulsational or Pair Instability Explosion of a Low-metallicity Massive CO Core Embedded in a Dense Hydrogen-poor Circumstellar Medium. Astrophysical Journal, 2019, 881, 87.	4.5	28
46	Revealing the relation between black hole growth and host-galaxy compactness among star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4989-5008.	4.4	27
47	GALAXY ENVIRONMENTS OVER COSMIC TIME: THE NON-EVOLVING RADIAL GALAXY DISTRIBUTIONS AROUND MASSIVE GALAXIES SINCEz= 1.6. Astrophysical Journal, 2013, 769, 31.	4.5	26
48	LEVERAGING 3D-HST GRISM REDSHIFTS TO QUANTIFY PHOTOMETRIC REDSHIFT PERFORMANCE. Astrophysical Journal, 2016, 822, 30.	4.5	26
49	The Diverse Molecular Gas Content of Massive Galaxies Undergoing Quenching at z â¼ 1. Astrophysical Journal Letters, 2021, 909, L11.	8.3	24
50	Discovery of the Optical Afterglow and Host Galaxy of Short GRB 181123B at zÂ=Â1.754: Implications for Delay Time Distributions. Astrophysical Journal Letters, 2020, 898, L32.	8.3	24
51	A New Method for Wide-field Near-IR Imaging with theHubble Space Telescope. Publications of the Astronomical Society of the Pacific, 2017, 129, 015004.	3.1	22
52	SQuIGGLâƒ—E : Studying Quenching in Intermediate-z Galaxiesâ€”Gas, AnguLâƒ—ar Momentum, and Evolution. Astrophysical Journal, 2022, 926, 89.	4.5	20
53	Recent Star Formation in a Massive Slowly Quenched Lensed Quiescent Galaxy at z = 1.88. Astrophysical Journal Letters, 2021, 907, L8.	8.3	18
54	The Distant, Galaxy Cluster Environment of the Short GRB 161104A at z â¼ 0.8 and a Comparison to the Short GRB Host Population. Astrophysical Journal, 2020, 904, 52.	4.5	17

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55	High Molecular-gas to Dust Mass Ratios Predicted in Most Quiescent Galaxies. Astrophysical Journal Letters, 2021, 922, L30.	8.3	17
56	THE RELATION BETWEEN [O III] / H Î² AND SPECIFIC STAR FORMATION RATE IN GALAXIES AT z âˆ¼ 2. Astrophysical Journal Letters, 2016, 828, L11.	8.3	16
57	Reproducing the UVJ Color Distribution of Star-forming Galaxies at 0.5 < z < 2.5 with a Geometric Model of Dust Attenuation. Astrophysical Journal Letters, 2021, 922, L32.	8.3	16
58	Hubble Space Telescope Observations of GW170817: Complete Light Curves and the Properties of the Galaxy Merger of NGC 4993. Astrophysical Journal, 2022, 926, 49.	4.5	16
59	EXPLORING THE CHEMICAL LINK BETWEEN LOCAL ELLIPTICALS AND THEIR HIGH-REDSHIFT PROGENITORS. Astrophysical Journal Letters, 2013, 778, L24.	8.3	15
60	Measuring the Delay Time Distribution of Binary Neutron Stars. III. Using the Individual Star Formation Histories of Gravitational-wave Event Host Galaxies in the Local Universe. Astrophysical Journal Letters, 2019, 878, L14.	8.3	15
61	REQUIEM-2D Methodology: Spatially Resolved Stellar Populations of Massive Lensed Quiescent Galaxies from Hubble Space Telescope 2D Grism Spectroscopy. Astrophysical Journal, 2020, 900, 184.	4.5	15
62	How Well Can We Measure Galaxy Dust Attenuation Curves? The Impact of the Assumed Star-dust Geometry Model in Spectral Energy Distribution Fitting. Astrophysical Journal, 2022, 931, 14.	4.5	15
63	zfourge: Extreme 5007 Ã... Emission May Be a Common Early-lifetime Phase for Star-forming Galaxies at zÂ>Â2.5. Astrophysical Journal, 2018, 869, 141.	4.5	13
64	A Bayesian Population Model for the Observed Dust Attenuation in Galaxies. Astrophysical Journal, 2022, 932, 54.	4.5	13
65	Diagnosing DASH: A Catalog of Structural Properties for the COSMOS-DASH Survey. Astrophysical Journal, 2022, 925, 34.	4.5	12
66	Predicting fully self-consistent satellite richness, galaxy growth and starformation rates from the STastical sEmi-Empirical modeL steel.. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	10
67	Ubiquitous [O ii] Emission in Quiescent Galaxies at z â‰ˆ 0.85 from the LEGA-C Survey*. Astrophysical Journal, 2021, 923, 18.	4.5	8
68	The Lick Observatory Supernova Search follow-up program: photometry data release of 70 SESNe. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3195-3214.	4.4	7
69	Physical Properties of the Host Galaxies of Ca-rich Transients. Astrophysical Journal, 2022, 927, 199.	4.5	7
70	EVIDENCE FOR NON-STELLAR REST-FRAME NEAR-IR EMISSION ASSOCIATED WITH INCREASED STAR FORMATION IN GALAXIES AT zÂâˆ¼Â1. Astrophysical Journal Letters, 2016, 819, L4.	8.3	5
71	Brackett-Î³Âas a Gold-standard Test of Star Formation Rates Derived from SED Fitting. Astrophysical Journal, 2020, 898, 165.	4.5	4
72	Which Galaxy Property Best Predicts Quiescence?. Proceedings of the International Astronomical Union, 2012, 8, 177-177.	0.0	0

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73	An older, more quiescent universe from panchromatic SED fitting of the 3D-HST survey. Proceedings of the International Astronomical Union, 2019, 15, 99-102.	0.0	0