Eduardo Banados

List of Publications by Year
in descending order

89 papers	6,597 citations	71102 41 h-index	62596 80 g-index
90 all docs	90 docs citations	90 times ranked	4589 citing authors

#	Article	IF	Citations
1	An 800-million-solar-mass black hole in a significantly neutral Universe at a redshift of 7.5. Nature, 2018, 553, 473-476.	27.8	726
2	Light curves of the neutron star merger GW170817/SSS17a: Implications for r-process nucleosynthesis. Science, 2017, 358, 1570-1574.	12.6	517
3	THE PAN-STARRS1 DISTANT zÂ>Â5.6 QUASAR SURVEY: MORE THAN 100 QUASARS WITHIN THE FIRST GYR OF THE UNIVERSE. Astrophysical Journal, Supplement Series, 2016, 227, 11.	7.7	266
4	Early spectra of the gravitational wave source GW170817: Evolution of a neutron star merger. Science, 2017, 358, 1574-1578.	12.6	240
5	A Luminous Quasar at Redshift 7.642. Astrophysical Journal Letters, 2021, 907, L1.	8.3	237
6	Physical Properties of 15 Quasars at zÂâ‰³Â6.5. Astrophysical Journal, 2017, 849, 91.	4.5	230
7	THE FINAL SDSS HIGH-REDSHIFT QUASAR SAMPLE OF 52 QUASARS AT zÂ>Â5.7. Astrophysical Journal, 2016, 833, 222.	4.5	225
8	An ALMA [C ii] Survey of 27 Quasars at zÂ>Â5.94. Astrophysical Journal, 2018, 854, 97.	4.5	220
9	PÅ›niuÄâ€˜ena: A Luminous zÂ=Â7.5 Quasar Hosting a 1.5 Billion Solar Mass Black Hole. Astrophysical Journal Letters, 2020, 897, L14.	8.3	202
10	Quantitative Constraints on the Reionization History from the IGM Damping Wing Signature in Two Quasars at zÂ>Â7. Astrophysical Journal, 2018, 864, 142.	4.5	197
11	THE IDENTIFICATION OF z -DROPOUTS IN PAN-STARRS1: THREE QUASARS AT 6.5< z < 6.7. Astrophysical Journal Letters, 2015, 801, L11.	8.3	151
12	Rapidly star-forming galaxies adjacent to quasars at redshifts exceeding 6. Nature, 2017, 545, 457-461.	27.8	149
13	DISCOVERY OF EIGHTzâˆ¼ 6 QUASARS FROM Pan-STARRS1. Astronomical Journal, 2014, 148, 14.	4.7	126
14	Gemini GNIRS Near-infrared Spectroscopy of 50 Quasars at z â‰³ 5.7. Astrophysical Journal, 2019, 873, 35.	4.5	115
15	Exploring Reionization-era Quasars. III. Discovery of 16 Quasars at 6.4Ââ‰²ÂzÂâ‰²Â6.9 with DESI Legacy Imaging Surveys and the UKIRT Hemisphere Survey and Quasar Luminosity Function at zÂâˆ¼Â6.7. Astrophysical Journal, 2019, 884, 30.	4.5	114
16	Copious Amounts of Dust and Gas in a zÂ=Â7.5 Quasar Host Galaxy. Astrophysical Journal Letters, 2017, 851, L8.	8.3	103
17	Constraints on reionization from the z = 7.5 QSO ULASJ1342+0928. Monthly Notices of the Royal Astronomical Society, 2019, 484, 5094-5101.	4.4	97
18	A Significantly Neutral Intergalactic Medium Around the Luminous zÂ=Â7 Quasar J0252â€“0503. Astrophysical Journal, 2020, 896, 23.	4.5	97

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19	CONSTRAINING THE RADIO-LOUD FRACTION OF QUASARS ATz> 5.5. Astrophysical Journal, 2015, 804, 118.	4.5	87
20	The Discovery of a Luminous Broad Absorption Line Quasar at a Redshift of 7.02. Astrophysical Journal Letters, 2018, 869, L9.	8.3	82
21	Exploring Reionization-era Quasars. IV. Discovery of Six New zÂâ‰³Â6.5 Quasars with DES, VHS, and unWISE Photometry. Astronomical Journal, 2019, 157, 236.	4.7	82
22	Kiloparsec-scale ALMA Imaging of [C ii] and Dust Continuum Emission of 27 Quasar Host Galaxies at zÂâˆ¼Â6. Astrophysical Journal, 2020, 904, 130.	4.5	81
23	The Compact,Ââˆ¼1 kpc Host Galaxy of a Quasar at a Redshift of 7.1. Astrophysical Journal, 2017, 837, 146.	4.5	79
24	Dust Emission in an Accretion-rate-limited Sample of zÂâ‰³Â6 Quasars. Astrophysical Journal, 2018, 866, 159.	4.5	77
25	Probing Early Supermassive Black Hole Growth and Quasar Evolution with Near-infrared Spectroscopy of 37 Reionization-era Quasars at 6.3 < z â‰ˆ 7.64. Astrophysical Journal, 2021, 923, 262.	4.5	76
26	First discoveries ofzÂâˆ¼Â6 quasars with the Kilo-Degree Survey and VISTA Kilo-Degree Infrared Galaxy survey. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2260-2267.	4.4	72
27	Probing the thermal state of the intergalactic medium at z > 5 with the transmission spikes in high-resolution â€‰Lyâ€‰Î± forest spectra. Monthly Notices of the Royal Astronomical Society, 2020, 494, 5091-5109.	4.4	69
28	The REQUIEM Survey. I. A Search for Extended LyÎ± Nebular Emission Around 31 zÂ>Â5.7 Quasars. Astrophysical Journal, 2019, 887, 196.	4.5	68
29	The X-SHOOTER/ALMA Sample of Quasars in the Epoch of Reionization. I. NIR Spectral Modeling, Iron Enrichment, and Broad Emission Line Properties. Astrophysical Journal, 2020, 905, 51.	4.5	66
30	An ALMA Multiline Survey of the Interstellar Medium of the Redshift 7.5 Quasar Host Galaxy J1342+0928. Astrophysical Journal, 2019, 881, 63.	4.5	62
31	The Kinematics of z â‰³ 6 Quasar Host Galaxies. Astrophysical Journal, 2021, 911, 141.	4.5	62
32	Detecting and Characterizing Young Quasars. I. Systemic Redshifts and Proximity Zone Measurements. Astrophysical Journal, 2020, 900, 37.	4.5	56
33	THE GALAXY ENVIRONMENT OF A QSO ATzâˆ¼ 5.7. Astrophysical Journal, 2013, 773, 178.	4.5	55
34	The Discovery of a Highly Accreting, Radio-loud Quasar at z = 6.82. Astrophysical Journal, 2021, 909, 80.	4.5	55
35	Resolved [C ii] Emission from z > 6 Quasar Hostâ€“Companion Galaxy Pairs. Astrophysical Journal, 2019, 882, 10.	4.5	53
36	BRIGHT [C II] 158 Îˆ m EMISSION IN A QUASAR HOST GALAXY AT z = 6.54. Astrophysical Journal Letters, 2015, 805, L8.	8.3	52

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37	NO OVERDENSITY OF LYMAN-ALPHA EMITTING GALAXIES AROUND A QUASAR AT zÂâˆ¼Â5.7. Astrophysical Journal, 2017, 834, 83.	4.5	50
38	A Powerful Radio-loud Quasar at the End of Cosmic Reionization. Astrophysical Journal Letters, 2018, 861, L14.	8.3	50
39	THE TIME DOMAIN SPECTROSCOPIC SURVEY: VARIABLE SELECTION AND ANTICIPATED RESULTS. Astrophysical Journal, 2015, 806, 244.	4.5	49
40	No Evidence for Enhanced [O iii]Â88 Î¼m Emission in a zÂâˆ¼Â6 Quasar Compared to Its Companion Starbursting Galaxy. Astrophysical Journal Letters, 2018, 869, L22.	8.3	49
41	Predicting Quasar Continua near LyÎ± with Principal Component Analysis. Astrophysical Journal, 2018, 864, 143.	4.5	49
42	Mapping the LyÎ± Emission around a zÂâˆ¼Â6.6 QSO with MUSE: Extended Emission and a Companion at a Close Separation. Astrophysical Journal, 2017, 848, 78.	4.5	43
43	Mg ii Absorption at 2Â<ÂZÂ<Â7 with Magellan/Fire. III. Full Statistics of Absorption toward 100 High-redshift QSOs*. Astrophysical Journal, 2017, 850, 188.	4.5	42
44	No Evidence for [C ii] Halos or High-velocity Outflows in zÂâ‰³Â6 Quasar Host Galaxies. Astrophysical Journal, 2020, 904, 131.	4.5	41
45	Chasing the Tail of Cosmic Reionization with Dark Gap Statistics in the LyÎ± Forest over 5 < z < 6. Astrophysical Journal, 2021, 923, 223.	4.5	39
46	A Metal-poor Damped LyÎ± System at Redshift 6.4. Astrophysical Journal, 2019, 885, 59.	4.5	38
47	No Redshift Evolution in the Broad-line-region Metallicity up to zÂ=Â7.54: Deep Near-infrared Spectroscopy of ULAS J1342+0928. Astrophysical Journal, 2020, 898, 105.	4.5	38
48	Large-scale Environment of a z = 6.61 Luminous Quasar Probed by LyÎ± Emitters and Lyman Break Galaxies^{â^—}. Astrophysical Journal, 2018, 856, 109.	4.5	37
49	Heavy Element Absorption Systems at 5.0Â<ÂzÂ<Â6.8: Metal-poor Neutral Gas and a Diminishing Signature of Highly Ionized Circumgalactic Matter. Astrophysical Journal, 2019, 882, 77.	4.5	37
50	Revealing the Accretion Physics of Supermassive Black Holes at Redshift z â^¼ 7 with Chandra and Infrared Observations. Astrophysical Journal, 2021, 908, 53.	4.5	35
51	Suppression of black-hole growth by strong outflows at redshifts 5.8â€“6.6. Nature, 2022, 605, 244-247.	27.8	33
52	ALMA multiline survey of the ISM in two quasar host-companion galaxy pairs at z > 6. Astronomy and Astrophysics, 0, , .	5.1	32
53	Chandra X-Rays from the Redshift 7.54 Quasar ULAS J1342+0928. Astrophysical Journal Letters, 2018, 856, L25.	8.3	31
54	ALMA and HST Kiloparsec-scale Imaging of a Quasar-galaxy Merger at ZÂâ‰ˆÂ6.2. Astrophysical Journal, 2019, 880, 157.	4.5	30

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55	Constraining the Quasar Radio-loud Fraction at z âˆ¼ 6 with Deep Radio Observations. Astrophysical Journal, 2021, 908, 124.	4.5	30
56	X-Ray Observations of a zÂâˆ¼Â6.2 Quasar/Galaxy Merger. Astrophysical Journal, 2019, 887, 171.	4.5	29
57	The zÂ=Â7.54 Quasar ULAS J1342+0928 Is Hosted by a Galaxy Merger. Astrophysical Journal Letters, 2019, 881, L23.	8.3	28
58	Long Dark Gaps in the LyÎ² Forest at z < 6: Evidence of Ultra-late Reionization from XQR-30 Spectra. Astrophysical Journal, 2022, 932, 76.	4.5	28
59	Probing the Nature of High-redshift Weak Emission Line Quasars: A Young Quasar with a Starburst Host Galaxy. Astrophysical Journal, 2020, 903, 34.	4.5	27
60	Supermassive black holes in cosmological simulations â€“ II: the AGN population and predictions for upcoming X-ray missions. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3015-3042.	4.4	27
61	Co-evolution of massive black holes and their host galaxies at high redshift: discrepancies from six cosmological simulations and the key role of JWST. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3751-3767.	4.4	27
62	Resolving the Powerful Radio-loud Quasar at z âˆ¼ 6. Astrophysical Journal, 2018, 861, 86.	4.5	26
63	Filling in the Quasar Redshift Gap at zÂâˆ¼Â5.5. II. A Complete Survey of Luminous Quasars in the Post-reionization Universe. Astrophysical Journal, 2019, 871, 199.	4.5	25
64	ALMA 200 pc Imaging of a z âˆ¼ 7 Quasar Reveals a Compact, Disk-like Host Galaxy. Astrophysical Journal, 2022, 927, 21.	4.5	25
65	LyÎ± Halos around z âˆ¼ 6 Quasars. Astrophysical Journal, 2019, 881, 131.	4.5	24
66	A Significant Excess in Major Merger Rate for AGNs with the Highest Eddington Ratios at z < 0.2. Astrophysical Journal, 2020, 904, 79.	4.5	23
67	A Quasar Discovered at redshift 6.6 from Pan-STARRS1. Monthly Notices of the Royal Astronomical Society, 0, , stw3287.	4.4	21
68	No Evidence for Millimeter Continuum Source Overdensities in the Environments of zÂâ‰³Â6 Quasars. Astrophysical Journal, 2018, 867, 153.	4.5	21
69	X-Ray Observations of a [C ii]-bright, zÂ=Â6.59 Quasar/Companion System. Astrophysical Journal, 2020, 900, 189.	4.5	20
70	Metallicity in Quasar Broad-line Regions at Redshift âˆ¼ 6. Astrophysical Journal, 2022, 925, 121.	4.5	20
71	Molecular gas inzâˆ¼ 6 quasar host galaxies. Astronomy and Astrophysics, 2022, 662, A60.	5.1	20
72	Chemical abundance of z ~ 6 quasar broad-line regions in the XQR-30 sample. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1801-1819.	4.4	20

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73	Random Forests as a Viable Method to Select and Discover High-redshift Quasars. Astronomical Journal, 2021, 162, 72.	4.7	18
74	Enhanced X-Ray Emission from the Most Radio-powerful Quasar in the Universeâ€™s First Billion Years. Astrophysical Journal, 2021, 911, 120.	4.5	17
75	Chandra and Magellan/FIRE follow-up observations of PSO167â€“13: An X-ray weak QSO at z = 6.515. Astronomy and Astrophysics, 2021, 649, A133.	5.1	17
76	Spectral Energy Distributions of Companion Galaxies to zÂâˆ¼Â6 Quasars. Astrophysical Journal, 2019, 881, 163.	4.5	16
77	Constraining Galaxy Overdensities around Three z âˆ¼ 6.5 Quasars with ALMA and MUSE. Astrophysical Journal, 2022, 927, 141.	4.5	16
78	Resolving the Radio Emission from the Quasar P172+18 at z = 6.82. Astronomical Journal, 2021, 161, 207.	4.7	15
79	Discovery of intergalactic bridges connecting two faint z âˆ¼ 3 quasars. Astronomy and Astrophysics, 2019, 631, A18.	5.1	14
80	Strong Mg ii and Fe ii Absorbers at 2.2Â<ÂzÂ<Â6.0. Astrophysical Journal, 2021, 906, 32.	4.5	13
81	The Impact of Powerful Jets on the Far-infrared Emission of an Extreme Radio Quasar at z âˆ¼ 6. Astrophysical Journal, 2021, 920, 150.	4.5	11
82	SCUBA2 High Redshift Bright Quasar Survey: Far-infrared Properties and Weak-line Features. Astrophysical Journal, 2020, 900, 12.	4.5	10
83	A Multiwavelength Study of ELAN Environments (AMUSE²). Mass Budget, Satellites Spin Alignment, and Gas Infall in a Massive z âˆ¼ 3 Quasar Host Halo. Astrophysical Journal, 2022, 930, 72.	4.5	8
84	X-Ray Evidence Against the Hypothesis that the Hyperluminous z = 6.3 Quasar J0100+2802 is Lensed. Astrophysical Journal Letters, 2021, 922, L24.	8.3	6
85	The Decoupled Kinematics of High-z QSO Host Galaxies and Their LyÎ± Halos. Astrophysical Journal, 2022, 929, 86.	4.5	6
86	Staring at the Shadows of Archaic Galaxies: Damped LyÎ± and Metal Absorbers Toward a Young z âˆ¼ 6 Weak-line Quasar. Astronomical Journal, 2022, 163, 251.	4.7	6
87	Quasar clustering at redshift 6. Astronomy and Astrophysics, 2021, 654, A79.	5.1	3
88	Discovery of Two Quasars at zÂ=Â5 from the OGLE Survey. Astrophysical Journal, 2019, 878, 115.	4.5	3
89	A Closer Look at Two of the Most Luminous Quasars in the Universe. Astrophysical Journal, 2021, 906, 12.	4.5	3