

David Elbaz

List of Publications by Year in descending order

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62
papers

8,282
citations

136740

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168136

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4385
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#	ARTICLE	IF	CITATIONS
1	CANDELS: THE COSMIC ASSEMBLY NEAR-INFRARED DEEP EXTRAGALACTIC LEGACY SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2011, 197, 35.	3.0	1,590
2	CANDELS: THE COSMIC ASSEMBLY NEAR-INFRARED DEEP EXTRAGALACTIC LEGACY SURVEYâ€”THE <i>HUBBLE SPACE TELESCOPE</i> OBSERVATIONS, IMAGING DATA PRODUCTS, AND MOSAICS. <i>Astrophysical Journal, Supplement Series</i> , 2011, 197, 36.	3.0	1,549
3	A simple model to interpret the ultraviolet, optical and infrared emission from galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 1595-1617.	1.6	968
4	ON STAR FORMATION RATES AND STAR FORMATION HISTORIES OF GALAXIES OUT TO<i>z</i> 3. <i>Astrophysical Journal</i> , 2011, 738, 106.	1.6	356
5	Midâ€”infrared Spectral Diagnosis of Submillimeter Galaxies. <i>Astrophysical Journal</i> , 2008, 675, 1171-1193.	1.6	312
6	ON THE EFFECT OF THE COSMIC MICROWAVE BACKGROUND IN HIGH-REDSHIFT (SUB-)MILLIMETER OBSERVATIONS. <i>Astrophysical Journal</i> , 2013, 766, 13.	1.6	305
7	ALMA SPECTROSCOPIC SURVEY IN THE HUBBLE ULTRA DEEP FIELD: THE INFRARED EXCESS OF UV-SELECTED $z = 2$ GALAXIES AS A FUNCTION OF UV-CONTINUUM SLOPE AND STELLAR MASS. <i>Astrophysical Journal</i> , 2016, 833, 72.	1.6	243
8	THE SFRâ€” M_{star} RELATION AND EMPIRICAL STAR FORMATION HISTORIES FROM ZFOURGE AT $0.5 < z < 4$. <i>Astrophysical Journal</i> , 2016, 817, 118.	1.6	241
9	The intense starburst HDFâ€”850.1 in a galaxy overdensity at $z = 5.2$ in the Hubble Deep Field. <i>Nature</i> , 2012, 486, 233-236.	13.7	226
10	A UNIFIED EMPIRICAL MODEL FOR INFRARED GALAXY COUNTS BASED ON THE OBSERVED PHYSICAL EVOLUTION OF DISTANT GALAXIES. <i>Astrophysical Journal Letters</i> , 2012, 757, L23.	3.0	179
11	ALMA SPECTROSCOPIC SURVEY IN THE HUBBLE ULTRA DEEP FIELD: SURVEY DESCRIPTION. <i>Astrophysical Journal</i> , 2016, 833, 67.	1.6	172
12	THE LONG LIVES OF GIANT CLUMPS AND THE BIRTH OF OUTFLOWS IN GAS-RICH GALAXIES AT HIGH REDSHIFT. <i>Astrophysical Journal</i> , 2014, 780, 57.	1.6	161
13	GOODS- <i>HERSCHEL</i> AND CANDELS: THE MORPHOLOGIES OF ULTRALUMINOUS INFRARED GALAXIES AT<i>z</i> 2. <i>Astrophysical Journal</i> , 2012, 757, 23.	1.6	157
14	GOODS- <i>HERSCHEL</i> : IMPACT OF ACTIVE GALACTIC NUCLEI AND STAR FORMATION ACTIVITY ON INFRARED SPECTRAL ENERGY DISTRIBUTIONS AT HIGH REDSHIFT. <i>Astrophysical Journal</i> , 2012, 759, 139.	1.6	148
15	DISCOVERY OF A GALAXY CLUSTER WITH A VIOLENTLY STARBURSTING CORE AT $z = 2.506$. <i>Astrophysical Journal</i> , 2016, 828, 56.	1.6	148
16	ACTIVE GALACTIC NUCLEI EMISSION LINE DIAGNOSTICS AND THE MASS-METALLICITY RELATION UP TO REDSHIFT<i>z</i> 2: THE IMPACT OF SELECTION EFFECTS AND EVOLUTION. <i>Astrophysical Journal</i> , 2014, 788, 88.	1.6	147
17	Starbursts in and out of the star-formation main sequence. <i>Astronomy and Astrophysics</i> , 2018, 616, A110.	2.1	125
18	The ALMA Spectroscopic Survey in the HUDF: CO Luminosity Functions and the Molecular Gas Content of Galaxies through Cosmic History. <i>Astrophysical Journal</i> , 2019, 882, 138.	1.6	114

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19	ALMA SPECTROSCOPIC SURVEY IN THE HUBBLE ULTRA DEEP FIELD: CO LUMINOSITY FUNCTIONS AND THE EVOLUTION OF THE COSMIC DENSITY OF MOLECULAR GAS. <i>Astrophysical Journal</i> , 2016, 833, 69.	1.6	97
20	WIDESPREAD AND HIDDEN ACTIVE GALACTIC NUCLEI IN STAR-FORMING GALAXIES AT REDSHIFT >0.3 . <i>Astrophysical Journal</i> , 2013, 764, 176.	1.6	95
21	SHARDS: AN OPTICAL SPECTRO-PHOTOMETRIC SURVEY OF DISTANT GALAXIES. <i>Astrophysical Journal</i> , 2013, 762, 46.	1.6	95
22	THE ALMA SPECTROSCOPIC SURVEY IN THE HUBBLE ULTRA DEEP FIELD: MOLECULAR GAS RESERVOIRS IN HIGH-REDSHIFT GALAXIES. <i>Astrophysical Journal</i> , 2016, 833, 70.	1.6	89
23	SPITZER INFRARED SPECTROMETER 16 $\frac{1}{4}$ m OBSERVATIONS OF THE GOODS FIELDS. <i>Astronomical Journal</i> , 2011, 141, 1.	1.9	80
24	AN OBSERVED LINK BETWEEN ACTIVE GALACTIC NUCLEI AND VIOLENT DISK INSTABILITIES IN HIGH-REDSHIFT GALAXIES. <i>Astrophysical Journal</i> , 2012, 757, 81.	1.6	73
25	A Fossil Record of Galaxy Encounters. <i>Science</i> , 2003, 300, 270-274.	6.0	66
26	The ALMA Spectroscopic Survey in the Hubble Ultra Deep Field: Evolution of the Molecular Gas in CO-selected Galaxies. <i>Astrophysical Journal</i> , 2019, 882, 136.	1.6	59
27	POLYCYCLIC AROMATIC HYDROCARBON AND MID-INFRARED CONTINUUM EMISSION IN A $z > 4$ SUBMILLIMETER GALAXY. <i>Astrophysical Journal</i> , 2014, 786, 31.	1.6	47
28	Deceptively cold dust in the massive starburst galaxy GN20 at $z \approx 4$. <i>Astronomy and Astrophysics</i> , 2020, 634, L14.	2.1	47
29	GOODS-HERSCHEL: SEPARATING HIGH-REDSHIFT ACTIVE GALACTIC NUCLEI AND STAR-FORMING GALAXIES USING INFRARED COLOR DIAGNOSTICS. <i>Astrophysical Journal</i> , 2013, 763, 123.	1.6	46
30	Revealing the Environmental Dependence of Molecular Gas Content in a Distant X-Ray Cluster at $z \approx 2.5$. <i>Astrophysical Journal Letters</i> , 2018, 867, L29.	3.0	45
31	EVIDENCE FOR A WIDE RANGE OF ULTRAVIOLET OBSCURATION IN $z \approx 2$ DUSTY GALAXIES FROM THE GOODS-HERSCHEL SURVEY. <i>Astrophysical Journal</i> , 2012, 759, 28.	1.6	36
32	EMPIRICAL PREDICTIONS FOR (SUB-)MILLIMETER LINE AND CONTINUUM DEEP FIELDS. <i>Astrophysical Journal</i> , 2013, 765, 9.	1.6	35
33	PROBING THE INTERSTELLAR MEDIUM OF $z \approx 1$ ULTRALUMINOUS INFRARED GALAXIES THROUGH INTERFEROMETRIC OBSERVATIONS OF CO AND SPITZER MID-INFRARED SPECTROSCOPY. <i>Astrophysical Journal</i> , 2013, 772, 92.	1.6	31
34	A GIANT L_{FIR} NEBULA IN THE CORE OF AN X-RAY CLUSTER AT $z \approx 1.99$: IMPLICATIONS FOR EARLY ENERGY INJECTION. <i>Astrophysical Journal</i> , 2016, 829, 53.	1.6	27
35	Submillimetre compactness as a critical dimension to understand the main sequence of star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 5217-5238.	1.6	26
36	Photonic Crystal Fiber Based $1 \mu\text{m}$ -Intensity and Wavelength Splitters/Couplers. <i>Electromagnetics</i> , 2012, 32, 209-220.	0.3	24

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37	Near-infrared Emission Lines in Starburst Galaxies at $0.5 < z < 0.9$: Discovery of a Merger Sequence of Extreme Obscurations. <i>Astrophysical Journal Letters</i> , 2018, 862, L22.	3.0	24
38	An Ancient Massive Quiescent Galaxy Found in a Gas-rich $z \sim 3$ Group. <i>Astrophysical Journal Letters</i> , 2021, 917, L17.	3.0	18
39	The Galaxy's Gas Content Regulated by the Dark Matter Halo Mass Results in a Superlinear $M_{\text{BH}} \propto M_{\text{gas}}$ Relation. <i>Astrophysical Journal Letters</i> , 2019, 885, L36.	3.0	14
40	THE QSO HE 0450-2958: SCANTILY DRESSED OR HEAVILY ROBED? A NORMAL QUASAR AS PART OF AN UNUSUAL ULIRG. <i>Astrophysical Journal</i> , 2009, 700, 1820-1830.	1.6	9
41	The Black Hole-Galaxy Connection: Interplay between Feedback, Obscuration, and Host Galaxy Substructure. <i>Astrophysical Journal</i> , 2022, 925, 203.	1.6	9
42	Luminous infrared starbursts in a cluster of galaxies. <i>Proceedings of the International Astronomical Union</i> , 2004, 2004, .	0.0	8
43	Cospatial Star Formation and Supermassive Black Hole Growth in $z \sim 3$ Galaxies: Evidence for In Situ Co-evolution. <i>Astrophysical Journal Letters</i> , 2018, 854, L4.	3.0	8
44	Understanding Galaxy Formation with ISO Deep Surveys. <i>Space Science Reviews</i> , 2005, 119, 93-119.	3.7	7
45	TRACING RECENT STAR FORMATION OF RED EARLY-TYPE GALAXIES OUT TO $z \sim 1$. <i>Astrophysical Journal</i> , 2014, 791, 134.	1.6	6
46	Near-infrared Survey and Photometric Redshifts in the Extended GOODS-North Field. <i>Astrophysical Journal</i> , 2019, 871, 233.	1.6	6
47	First Results from the ISO-RAS Faint Galaxy Survey. <i>Astrophysical Journal</i> , 1998, 504, 64-76.	1.6	4
48	Galaxy evolution: the ISOCAM view. <i>Astrophysics and Space Science</i> , 2001, 277, 565-569.	0.5	3
49	Feedback factory: multiple faint radio jets detected in a cluster at $z \sim 2$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 1174-1186.	1.6	3
50	Low-loss single-mode fiber with nearly zero chromatic dispersion. <i>Optical Engineering</i> , 2008, 47, 075002.	0.5	1
51	A simple model to interpret the ultraviolet, optical and infrared SEDs of galaxies. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 81-84.	0.0	1
52	Modeling of Current-Voltage Characteristics of the Photoactivated Device Based on SOI Technology. <i>Active and Passive Electronic Components</i> , 2012, 2012, 1-7.	0.3	1
53	Optical fiber based radial polarizer. <i>Optics Communications</i> , 2012, 285, 2746-2749.	1.0	1
54	ISOCAM Deep Surveys and the Cosmic Infrared Background. , 0, , 369-373.		0

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55	The Cosmic Infrared Background (CIRB) and the Role of the "Local Environment of Galaxies" in the Origin of Present-Day Stars. , 0 , 12-17.		0
56	Nanorods coated fiber for generating enhanced radially polarized field. Microelectronic Engineering, 2012, 98, 414-418.	1.1	0
57	Preliminary fabrication and characterization of low-leakage hybrid coaxial cable. , 2013, , .		0
58	The ISO-IRAS Faint Galaxy Survey: ISOCAM Imaging and Optical Spectroscopy. Lecture Notes in Physics, 2000, , 267-274.	0.3	0
59	Dusty Starbursts as a Standard Phase in Galaxy Evolution. , 2005, , 241-246.		0
60	Exploring the Spectroscopic Capabilities of SAFARI for studies of the Distant Universe. , 2009, , .		0
61	Understanding Galaxy Formation with ISO Deep Surveys. , 2005, , 93-119.		0
62	Galaxy Formation and Evolution since $z = 1$. , 0 , 263-268.		0