

# Kuang-Han Huang

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

7,469  
citations

136950

32  
h-index

175258

52  
g-index

52  
all docs

52  
docs citations

52  
times ranked

3746  
citing authors

#	ARTICLE	IF	CITATIONS
1	CANDELS: THE COSMIC ASSEMBLY NEAR-INFRARED DEEP EXTRAGALACTIC LEGACY SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2011, 197, 35.	7.7	1,590
2	CANDELS: THE COSMIC ASSEMBLY NEAR-INFRARED DEEP EXTRAGALACTIC LEGACY SURVEY—THE <i>HUBBLE SPACE TELESCOPE</i> OBSERVATIONS, IMAGING DATA PRODUCTS, AND MOSAICS. <i>Astrophysical Journal, Supplement Series</i> , 2011, 197, 36.	7.7	1,549
3	GALAXY STRUCTURE AND MODE OF STAR FORMATION IN THE SFR-MASS PLANE FROM <i>z</i> 2.5 TO <i>z</i> 4.5. <i>Astrophysical Journal</i> , 2011, 742, 96.		590
4	CANDELS MULTI-WAVELENGTH CATALOGS: SOURCE DETECTION AND PHOTOMETRY IN THE GOODS-SOUTH FIELD. <i>Astrophysical Journal, Supplement Series</i> , 2013, 207, 24.	7.7	400
5	CANDELS: THE PROGENITORS OF COMPACT QUIESCENT GALAXIES AT <i>z</i> 2. <i>Astrophysical Journal</i> , 2013, 765, 104.	4.5	367
6	A CRITICAL ASSESSMENT OF PHOTOMETRIC REDSHIFT METHODS: A CANDELS INVESTIGATION. <i>Astrophysical Journal</i> , 2013, 775, 93.	4.5	290
7	SMOOTH(ER) STELLAR MASS MAPS IN CANDELS: CONSTRAINTS ON THE LONGEVITY OF CLUMPS IN HIGH-REDSHIFT STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2012, 753, 114.	4.5	271
8	CANDELS MULTI-WAVELENGTH CATALOGS: SOURCE IDENTIFICATION AND PHOTOMETRY IN THE CANDELS UKIDSS ULTRA-DEEP SURVEY FIELD. <i>Astrophysical Journal, Supplement Series</i> , 2013, 206, 10.	7.7	252
9	THE GRISM LENS-AMPLIFIED SURVEY FROM SPACE (GLASS). I. SURVEY OVERVIEW AND FIRST DATA RELEASE. <i>Astrophysical Journal</i> , 2015, 812, 114.	4.5	175
10	RELICS: Reionization Lensing Cluster Survey. <i>Astrophysical Journal</i> , 2019, 884, 85.	4.5	141
11	EXTREME EMISSION-LINE GALAXIES IN CANDELS: BROADBAND-SELECTED, STARBURSTING DWARF GALAXIES AT <i>z</i> <math>1</math>. <i>Astrophysical Journal</i> , 2011, 742, 111.	4.5	131
12	Constraining the Neutral Fraction of Hydrogen in the IGM at Redshift 7.5. <i>Astrophysical Journal</i> , 2019, 878, 12.	4.5	124
13	CANDELS/GOODS-S, CDFS, AND ECDFS: PHOTOMETRIC REDSHIFTS FOR NORMAL AND X-RAY-DETECTED GALAXIES. <i>Astrophysical Journal</i> , 2014, 796, 60.	4.5	117
14	Deconstructing the galaxy stellar mass function with UKIDSS and CANDELS: the impact of colour, structure and environment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 2-24.	4.4	95
15	HOLICOW — III. Quantifying the effect of mass along the line of sight to the gravitational lens HE0435+1223 through weighted galaxy counts.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 4220-4242.	4.4	89
16	ALMA [C ii] 158 $\mu$ m Detection of a Redshift 7 Lensed Galaxy behind RX J1347.1+1145*. <i>Astrophysical Journal Letters</i> , 2017, 836, L2.	8.3	79
17	STRUCTURAL EVOLUTION OF EARLY-TYPE GALAXIES TO <i>z</i> = 2.5 IN CANDELS. <i>Astrophysical Journal</i> , 2013, 773, 149.	4.5	72
18	Relations between the Sizes of Galaxies and Their Dark Matter Halos at Redshifts 0 <math>\leq z \leq 3</math>. <i>Astrophysical Journal</i> , 2017, 838, 6.	4.5	65

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19	THE BIVARIATE SIZE-LUMINOSITY RELATIONS FOR LYMAN BREAK GALAXIES AT $z \sim 4-5$ . <i>Astrophysical Journal</i> , 2013, 765, 68.	4.5	64
20	THE GRISM LENS-AMPLIFIED SURVEY FROM SPACE (GLASS). III. A CENSUS OF $\text{Ly}\alpha$ EMISSION AT $z \sim 6$ FROM HST SPECTROSCOPY. <i>Astrophysical Journal</i> , 2016, 818, 38.	4.5	60
21	RELICS: The Reionization Lensing Cluster Survey and the Brightest High- $z$ Galaxies. <i>Astrophysical Journal</i> , 2020, 889, 189.	4.5	58
22	RELICS: A Candidate $z \sim 10$ Galaxy Strongly Lensed into a Spatially Resolved Arc. <i>Astrophysical Journal Letters</i> , 2018, 864, L22.	8.3	57
23	RELICS: Strong Lens Models for Five Galaxy Clusters from the Reionization Lensing Cluster Survey. <i>Astrophysical Journal</i> , 2018, 859, 159.	4.5	55
24	The Grism Lens-Amplified Survey from Space (GLASS). XI. Detection of C iv in Multiple Images of the $z \sim 6.11$ $\text{Ly}\alpha$ Emitter behind RXC J2248.7+4431. <i>Astrophysical Journal</i> , 2017, 839, 17.	4.5	48
25	THE GRISM LENS-AMPLIFIED SURVEY FROM SPACE (GLASS). IV. MASS RECONSTRUCTION OF THE LENSING CLUSTER ABELL 2744 FROM FRONTIER FIELD IMAGING AND GLASS SPECTROSCOPY. <i>Astrophysical Journal</i> , 2015, 811, 29.	4.5	46
26	The Grism Lens-Amplified Survey from Space (GLASS). X. Sub-kiloparsec Resolution Gas-phase Metallicity Maps at Cosmic Noon behind the Hubble Frontier Fields Cluster MACS1149.6+2223. <i>Astrophysical Journal</i> , 2017, 837, 89.	4.5	45
27	THE GRISM LENS-AMPLIFIED SURVEY FROM SPACE (GLASS). VI. COMPARING THE MASS AND LIGHT IN MACS J0416.1-2403 USING FRONTIER FIELD IMAGING AND GLASS SPECTROSCOPY. <i>Astrophysical Journal</i> , 2016, 831, 182.	4.5	43
28	SPITZER ULTRA FAINT SURVEY PROGRAM (SURFS UP). I. AN OVERVIEW. <i>Astrophysical Journal</i> , 2014, 785, 108.	4.5	42
29	SPITZER ULTRA FAINT SURVEY PROGRAM (SURFS UP). II. IRAC-DETECTED LYMAN-BREAK GALAXIES AT $z \sim 6$ BEHIND STRONG-LENSING CLUSTERS. <i>Astrophysical Journal</i> , 2016, 817, 11.	4.5	41
30	LUMINOUS AND HIGH STELLAR MASS CANDIDATE GALAXIES AT $z \sim 8$ DISCOVERED IN THE COSMIC ASSEMBLY NEAR-INFRARED DEEP EXTRAGALACTIC LEGACY SURVEY. <i>Astrophysical Journal</i> , 2012, 761, 177.	4.5	38
31	First Results from the KMOS Lens-Amplified Spectroscopic Survey (KLASS): Kinematics of Lensed Galaxies at Cosmic Noon. <i>Astrophysical Journal</i> , 2017, 838, 14.	4.5	36
32	The Grism Lens-amplified Survey from Space (Glass). IX. The Dual Origin of Low-mass Cluster Galaxies as Revealed by New Structural Analyses. <i>Astrophysical Journal</i> , 2017, 835, 254.	4.5	33
33	HST Grism Observations of a Gravitationally Lensed Redshift 9.5 Galaxy. <i>Astrophysical Journal</i> , 2018, 854, 39.	4.5	32
34	DETECTION OF LYMAN-ALPHA EMISSION FROM A TRIPLY IMAGED $z = 6.85$ GALAXY BEHIND MACS J2129.4+0741. <i>Astrophysical Journal Letters</i> , 2016, 823, L14.	8.3	31
35	Stellar Properties of $z \sim 8$ Galaxies in the Reionization Lensing Cluster Survey. <i>Astrophysical Journal</i> , 2020, 888, 124.	4.5	31
36	Mass and Light of Abell 370: A Strong and Weak Lensing Analysis. <i>Astrophysical Journal</i> , 2018, 868, 129.	4.5	30

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37	Spectroscopic confirmation of an ultra-faint galaxy at the epoch of reionization. <i>Nature Astronomy</i> , 2017, 1, .	10.1	29
38	Physical properties of <i>Herschel</i> selected galaxies in a semi-analytic galaxy formation model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 1539-1556.	4.4	27
39	RELICS: Strong Lensing Analysis of MACS J0417.5+1154 and Predictions for Observing the Magnified High-redshift Universe with JWST. <i>Astrophysical Journal</i> , 2019, 873, 96.	4.5	27
40	RELICS: Strong-lensing Analysis of the Massive Clusters MACS J0308.9+2645 and PLCK G171.9+40.7. <i>Astrophysical Journal</i> , 2018, 858, 42.	4.5	26
41	RELICS: Strong Lensing Analysis of the Galaxy Clusters Abell S295, Abell 697, MACS J0025.4-1222, and MACS J0159.8-0849. <i>Astrophysical Journal</i> , 2018, 863, 145.	4.5	24
42	RELICS: A Strong Lens Model for SPT-CLJ0615+5746, a $z=0.972$ Cluster. <i>Astrophysical Journal</i> , 2018, 863, 154.	4.5	23
43	MEASURING THE STELLAR MASSES OF $z \sim 7$ GALAXIES WITH THE <i>SPITZER</i> ULTRAFAINST SURVEY PROGRAM (SURFS UP). <i>Astrophysical Journal Letters</i> , 2014, 786, L4.	8.3	20
44	Hubble Frontier Field photometric catalogues of Abell 370 and RXC J2248.7+4431: multiwavelength photometry, photometric redshifts, and stellar properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 99-107.	4.4	19
45	RELICS: High-resolution Constraints on the Inner Mass Distribution of the $z=0.83$ Merging Cluster RXJ0152.7-1357 from Strong Lensing. <i>Astrophysical Journal</i> , 2019, 874, 132.	4.5	18
46	THE GRISM LENS-AMPLIFIED SURVEY FROM SPACE (GLASS). V. EXTENT AND SPATIAL DISTRIBUTION OF STAR FORMATION IN $z \sim 0.5$ CLUSTER GALAXIES. <i>Astrophysical Journal</i> , 2015, 814, 161.	4.5	16
47	SERENDIPITOUS DISCOVERY OF A MASSIVE cD GALAXY AT $z = 1.096$ : IMPLICATIONS FOR THE EARLY FORMATION AND LATE EVOLUTION OF cD GALAXIES. <i>Astrophysical Journal</i> , 2013, 769, 147.	4.5	11
48	Mass Modeling of Frontier Fields Cluster MACS J1149.5+2223 Using Strong and Weak Lensing. <i>Astrophysical Journal</i> , 2018, 859, 58.	4.5	11
49	The size and pervasiveness of Ly $\alpha$ UV spatial offsets in star-forming galaxies at $z \sim 6$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 3662-3681.	4.4	11
50	RELICS: A Very Large ( $\hat{I}_{E} \sim 40 \text{ arc}^3$ ) Cluster Lens RXC J0032.1+1808. <i>Astrophysical Journal</i> , 2020, 898, 6.	4.5	10
51	RCS2 J232727.6-020437: AN EFFICIENT COSMIC TELESCOPE AT $z = 0.6986$ . <i>Astrophysical Journal</i> , 2015, 813, 37.	4.5	8