

# Yicheng Guo

## List of Publications by Year in descending order

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105  
papers

12,102  
citations

24978

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all docs

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docs citations

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times ranked

5287  
citing authors

#	ARTICLE	IF	CITATIONS
1	Clump survival and migration in VDI galaxies: an analytical model versus simulations and observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 316-340.	1.6	13
2	Fast, Slow, Early, Late: Quenching Massive Galaxies at $z \approx 0.8$ . <i>Astrophysical Journal</i> , 2022, 926, 134.	1.6	70
3	The Baltimore Oriole's Nest: Cool Winds from the Inner and Outer Parts of a Star-forming Galaxy at $z = 1.3$ . <i>Astrophysical Journal</i> , 2022, 930, 146.	1.6	7
4	Implications of Increased Central Mass Surface Densities for the Quenching of Low-mass Galaxies. <i>Astrophysical Journal</i> , 2021, 914, 7.	1.6	5
5	An excess of globular clusters in Ultra-Diffuse Galaxies formed through tidal heating. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 398-406.	1.6	22
6	Research on laser processing technology of instrument panel implicit weakening line based on neural network and genetic algorithm. <i>Optik</i> , 2020, 203, 163970.	1.4	4
7	Quenching as a Contest between Galaxy Halos and Their Central Black Holes. <i>Astrophysical Journal</i> , 2020, 897, 102.	1.6	66
8	Stellar masses of giant clumps in CANDELS and simulated galaxies using machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 814-835.	1.6	27
9	Multi-objective optimization of fiber laser cutting based on generalized regression neural network and non-dominated sorting genetic algorithm. <i>Infrared Physics and Technology</i> , 2020, 108, 103337.	1.3	31
10	Structural and stellar-population properties versus bulge types in Sloan Digital Sky Survey central galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1686-1707.	1.6	23
11	Large-scale Structures in the CANDELS Fields: The Role of the Environment in Star Formation Activity. <i>Astrophysical Journal</i> , 2020, 890, 7.	1.6	37
12	Study on laser irradiation temperature field of carbon fiber reinforced plastic composites. <i>Materials Research Express</i> , 2020, 7, 035306.	0.8	3
13	The Star Formation Rate–Radius Connection: Data and Implications for Wind Strength and Halo Concentration. <i>Astrophysical Journal</i> , 2020, 899, 93.	1.6	8
14	Texas Spectroscopic Search for Ly $\alpha$ Emission at the End of Reionization. III. The Ly $\alpha$ Equivalent-width Distribution and Ionized Structures at $z \approx 7$ . <i>Astrophysical Journal</i> , 2020, 904, 144.	1.6	83
15	Evolution of the Gas Mass Fraction of Progenitors to Today's Massive Galaxies: ALMA Observations in the CANDELS GOODS-S Field. <i>Astrophysical Journal</i> , 2019, 878, 83.	1.6	13
16	Texas Spectroscopic Search for Ly $\alpha$ Emission at the End of Reionization. II. The Deepest Near-infrared Spectroscopic Observation at $z \approx 7$ . <i>Astrophysical Journal</i> , 2019, 877, 146.	1.6	16
17	The CANDELS/SHARDS Multiwavelength Catalog in GOODS-N: Photometry, Photometric Redshifts, Stellar Masses, Emission-line Fluxes, and Star Formation Rates. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 22.	3.0	111
18	Fatigue Modeling Containing Hardening Particles and Grain Orientation for Aluminum Alloy FSW Joints. <i>Materials</i> , 2019, 12, 2024.	1.3	6

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19	Can intrinsic alignments of elongated low-mass galaxies be used to map the cosmic web at high redshift?. Monthly Notices of the Royal Astronomical Society, 2019, 488, 5580-5593.	1.6	13
20	Studying the physical properties of tidal features â€“ I. Extracting morphological substructure in CANDELS observations and VELA simulations. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2643-2659.	1.6	12
21	Observational Constraints on the Merger History of Galaxies since $z \sim 6$ : Probabilistic Galaxy Pair Counts in the CANDELS Fields. Astrophysical Journal, 2019, 876, 110.	1.6	114
22	The evolution of galaxy shapes in CANDELS: from prolate to discy. Monthly Notices of the Royal Astronomical Society, 2019, 484, 5170-5191.	1.6	44
23	The formation of ultra-diffuse galaxies in cored dark matter haloes through tidal stripping and heating. Monthly Notices of the Royal Astronomical Society, 2019, 485, 382-395.	1.6	101
24	The Intrinsic Characteristics of Galaxies on the $SFR - M_{\text{star}}$ Plane at $z \sim 4$ : I. The Correlation between Stellar Age, Central Density, and Position Relative to the Main Sequence. Astrophysical Journal, 2018, 853, 131.	1.6	50
25	The Isophotal Structure of Star-forming Galaxies at $z \sim 1.8$ in CANDELS: Implications for the Evolution of Galaxy Structure. Astrophysical Journal, 2018, 854, 70.	1.6	4
26	Demographics of Star-forming Galaxies since $z \sim 2.5$ . I. The UVJ Diagram in CANDELS. Astrophysical Journal, 2018, 858, 100.	1.6	79
27	Major merging history in CANDELS. I. Evolution of the incidence of massive galaxyâ€“galaxy pairs from $z \sim 3$ to $z \sim 0$ . Monthly Notices of the Royal Astronomical Society, 2018, 475, 1549-1573.	1.6	65
28	Clumpy Galaxies in CANDELS. II. Physical Properties of UV-bright Clumps at $z \sim 3$ . Astrophysical Journal, 2018, 853, 108.	1.6	71
29	Evidence of Environmental Quenching at Redshift $z \sim 2$ . Astrophysical Journal, 2018, 862, 135.	1.6	25
30	On the Transition of the Galaxy Quenching Mode at $z \sim 1$ in CANDELS. Astrophysical Journal, 2018, 860, 60.	1.6	13
31	Structural and Star-forming Relations since $z \sim 3$ : Connecting Compact Star-forming and Quiescent Galaxies. Astrophysical Journal, 2017, 840, 47.	1.6	180
32	CANDELS Sheds Light on the Environmental Quenching of Low-mass Galaxies. Astrophysical Journal Letters, 2017, 841, L22.	3.0	23
33	No Evidence for Feedback: Unexceptional Low-ionization Winds in Host Galaxies of Low Luminosity Active Galactic Nuclei at Redshift $z \sim 1$ . Astrophysical Journal, 2017, 841, 83.	1.6	11
34	CANDELS Multi-wavelength Catalogs: Source Identification and Photometry in the CANDELS Extended Groth Strip. Astrophysical Journal, Supplement Series, 2017, 229, 32.	3.0	127
35	Giant clumps in simulated high- $z$ Galaxies: properties, evolution and dependence on feedback. Monthly Notices of the Royal Astronomical Society, 2017, 464, 635-665.	1.6	100
36	LVI colour gradients of $0.4 < z < 1.4$ star-forming main-sequence galaxies in CANDELS: dust extinction and star formation profiles. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4063-4082.	1.6	35

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37	The Origins of UV $\alpha$ –optical Color Gradients in Star-forming Galaxies at $z \sim 1/4$ : Predominant Dust Gradients but Negligible sSFR Gradients. <i>Astrophysical Journal Letters</i> , 2017, 844, L2.	3.0	20
38	Effect of Local Environment and Stellar Mass on Galaxy Quenching and Morphology at $0.5 < z < 2.0$ . <i>Astrophysical Journal</i> , 2017, 847, 134.	1.6	106
39	STELLAR MASS–GAS-PHASE METALLICITY RELATION AT $0.5 < z < 0.7$ : A POWER LAW WITH INCREASING SCATTER TOWARD THE LOW-MASS REGIME. <i>Astrophysical Journal</i> , 2016, 822, 103.	1.6	29
40	THE EVOLUTION OF THE GALAXY STELLAR MASS FUNCTION AT $z = 4$ : A STEEPENING LOW-MASS-END SLOPE WITH INCREASING REDSHIFT. <i>Astrophysical Journal</i> , 2016, 825, 5.	1.6	243
41	THE BURSTY STAR FORMATION HISTORIES OF LOW-MASS GALAXIES AT $0.4 < z < 1$ REVEALED BY STAR FORMATION RATES MEASURED FROM H $\beta$ AND FUV. <i>Astrophysical Journal</i> , 2016, 833, 37.	1.6	69
42	KINEMATIC DOWNSIZING AT $z \sim 1/4$ . <i>Astrophysical Journal</i> , 2016, 830, 14.	1.6	44
43	EVOLUTION OF INTRINSIC SCATTER IN THE SFR–STELLAR MASS CORRELATION AT $0.5 < z < 3$ . <i>Astrophysical Journal Letters</i> , 2016, 820, L1.	3.0	65
44	THE UV $\alpha$ –OPTICAL COLOR GRADIENTS IN STAR-FORMING GALAXIES AT $0.5 < z < 1.5$ : ORIGINS AND LINK TO GALAXY ASSEMBLY. <i>Astrophysical Journal Letters</i> , 2016, 822, L25.	3.0	25
45	CAUGHT IN THE ACT: GAS AND STELLAR VELOCITY DISPERSIONS IN A FAST QUIENCHING COMPACT STAR-FORMING GALAXY AT $z \sim 1/4$ . <i>Astrophysical Journal</i> , 2016, 820, 120.	1.6	39
46	Beyond spheroids and discs: classifications of CANDELS galaxy structure at $1.4 < z < 2$ via principal component analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 963-987.	1.6	38
47	THE TEAM KECK REDSHIFT SURVEY 2: MOSFIRE SPECTROSCOPY OF THE GOODS-NORTH FIELD. <i>Astronomical Journal</i> , 2015, 150, 153.	1.9	32
48	A WFC3 GRISM EMISSION LINE REDSHIFT CATALOG IN THE GOODS-SOUTH FIELD. <i>Astronomical Journal</i> , 2015, 149, 178.	1.9	43
49	THE ROLE OF BULGE FORMATION IN THE HOMOGENIZATION OF STELLAR POPULATIONS AT $1.2 < z < 2$ AS REVEALED BY INTERNAL COLOR DISPERSION IN CANDELS. <i>Astrophysical Journal</i> , 2015, 803, 104.	1.6	8
50	THE INTERSTELLAR MEDIUM AND FEEDBACK IN THE PROGENITORS OF THE COMPACT PASSIVE GALAXIES AT $1.2 < z < 2$ . <i>Astrophysical Journal</i> , 2015, 800, 21.	1.6	24
51	CLUMPY GALAXIES IN CANDELS. I. THE DEFINITION OF UV CLUMPS AND THE FRACTION OF CLUMPY GALAXIES AT $0.5 < z < 3$ . <i>Astrophysical Journal</i> , 2015, 800, 39.	1.6	172
52	A CRITICAL ASSESSMENT OF STELLAR MASS MEASUREMENT METHODS. <i>Astrophysical Journal</i> , 2015, 808, 101.	1.6	106
53	Star formation and clumps in cosmological galaxy simulations with radiation pressure feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 1389-1399.	1.6	51
54	Galaxy Zoo: CANDELS barred discs and bar fractions... <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 3466-3474.	1.6	70

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55	THE PROGENITORS OF THE COMPACT EARLY-TYPE GALAXIES AT HIGH REDSHIFT. <i>Astrophysical Journal</i> , 2014, 780, 1.	1.6	103
56	PROPERTIES OF SUBMILLIMETER GALAXIES IN THE CANDELS GOODS-SOUTH FIELD. <i>Astrophysical Journal</i> , 2014, 785, 111.	1.6	38
57	CANDELS/GOODS-S, CDFS, AND ECFDS: PHOTOMETRIC REDSHIFTS FOR NORMAL AND X-RAY-DETECTED GALAXIES. <i>Astrophysical Journal</i> , 2014, 796, 60.	1.6	117
58	KECK-I MOSFIRE SPECTROSCOPY OF COMPACT STAR-FORMING GALAXIES AT $z \approx 2$ : HIGH VELOCITY DISPERSIONS IN PROGENITORS OF COMPACT QUIESCENT GALAXIES. <i>Astrophysical Journal</i> , 2014, 795, 145.	1.6	70
59	SEMI-ANALYTIC MODELS FOR THE CANDELS SURVEY: COMPARISON OF PREDICTIONS FOR INTRINSIC GALAXY PROPERTIES. <i>Astrophysical Journal</i> , 2014, 795, 123.	1.6	91
60	NO MORE ACTIVE GALACTIC NUCLEI IN CLUMPY DISKS THAN IN SMOOTH GALAXIES AT $z \approx 2$ IN CANDELS/3D-HST. <i>Astrophysical Journal</i> , 2014, 793, 101.	1.6	18
61	PROBING OUTFLOWS IN $z \approx 2$ GALAXIES THROUGH Fe II/Fe II* MULTIPLETS. <i>Astrophysical Journal</i> , 2014, 793, 92.	1.6	14
62	KILOPARSEC-SCALE PROPERTIES OF EMISSION-LINE GALAXIES. <i>Astrophysical Journal</i> , 2014, 797, 108.	1.6	28
63	General design of hollow porous CoFe <sub>2</sub> O <sub>4</sub> nanocubes from metal-organic frameworks with extraordinary lithium storage. <i>Nanoscale</i> , 2014, 6, 15168-15174.	2.8	122
64	Self-assembled hierarchical yolk-shell structured NiO@C from metal-organic frameworks with outstanding performance for lithium storage. <i>Chemical Communications</i> , 2014, 50, 9485-9488.	2.2	59
65	Accurate hierarchical control of hollow crossed NiCo <sub>2</sub> O <sub>4</sub> nanocubes for superior lithium storage. <i>Nanoscale</i> , 2014, 6, 5491-5497.	2.8	95
66	STRUCTURAL EVOLUTION OF EARLY-TYPE GALAXIES TO $z = 2.5$ IN CANDELS. <i>Astrophysical Journal</i> , 2013, 773, 149.	1.6	72
67	CANDELS MULTI-WAVELENGTH CATALOGS: SOURCE DETECTION AND PHOTOMETRY IN THE GOODS-SOUTH FIELD. <i>Astrophysical Journal, Supplement Series</i> , 2013, 207, 24.	3.0	400
68	CANDELS: THE CORRELATION BETWEEN GALAXY MORPHOLOGY AND STAR FORMATION ACTIVITY AT $z \approx 2$ . <i>Astrophysical Journal</i> , 2013, 774, 47.	1.6	64
69	A CRITICAL ASSESSMENT OF PHOTOMETRIC REDSHIFT METHODS: A CANDELS INVESTIGATION. <i>Astrophysical Journal</i> , 2013, 775, 93.	1.6	290
70	CONSTRAINING THE ASSEMBLY OF NORMAL AND COMPACT PASSIVELY EVOLVING GALAXIES FROM REDSHIFT $z = 3$ TO THE PRESENT WITH CANDELS. <i>Astrophysical Journal</i> , 2013, 775, 106.	1.6	115
71	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.	1.6	11
72	CAUGHT IN THE ACT: THE ASSEMBLY OF MASSIVE CLUSTER GALAXIES AT $z = 1.62$ . <i>Astrophysical Journal</i> , 2013, 773, 154.	1.6	58

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73	CANDELS MULTIWAVELENGTH CATALOGS: SOURCE IDENTIFICATION AND PHOTOMETRY IN THE CANDELS UKIDSS ULTRA-DEEP SURVEY FIELD. <i>Astrophysical Journal, Supplement Series</i> , 2013, 206, 10.	3.0	252
74	CANDELS: THE PROGENITORS OF COMPACT QUIESCENT GALAXIES AT $z < 2$ . <i>Astrophysical Journal</i> , 2013, 765, 104.	1.6	367
75	STRUCTURAL PARAMETERS OF GALAXIES IN CANDELS. <i>Astrophysical Journal, Supplement Series</i> , 2012, 203, 24.	3.0	410
76	CLUSTERING PROPERTIES OF B-K-SELECTED GALAXIES IN GOODS-N: ENVIRONMENTAL QUENCHING AND TRIGGERING OF STAR FORMATION AT $z < 2$ . <i>Astrophysical Journal</i> , 2012, 756, 71.	1.6	65
77	CANDELS: CORRELATIONS OF SPECTRAL ENERGY DISTRIBUTIONS AND MORPHOLOGIES WITH STAR FORMATION STATUS FOR MASSIVE GALAXIES AT $z < 2$ . <i>Astrophysical Journal</i> , 2012, 752, 134.	1.6	39
78	REST-FRAME UV-OPTICALLY SELECTED GALAXIES AT $2.3 < z < 3.5$ : SEARCHING FOR DUSTY STAR-FORMING AND PASSIVELY EVOLVING GALAXIES. <i>Astrophysical Journal</i> , 2012, 749, 149.	1.6	35
79	CANDELS: CONSTRAINING THE AGN-MERGER CONNECTION WITH HOST MORPHOLOGIES AT $z < 2$ . <i>Astrophysical Journal</i> , 2012, 744, 148.	1.6	330
80	LUMINOUS AND HIGH STELLAR MASS CANDIDATE GALAXIES AT $z < 8$ DISCOVERED IN THE COSMIC ASSEMBLY NEAR-INFRARED DEEP EXTRAGALACTIC LEGACY SURVEY. <i>Astrophysical Journal</i> , 2012, 761, 177.	1.6	38
81	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.	1.6	271
82	CANDELS OBSERVATIONS OF THE STRUCTURAL PROPERTIES OF CLUSTER GALAXIES AT $z = 1.62$ . <i>Astrophysical Journal</i> , 2012, 750, 93.	1.6	130
83	ON THE DETECTION OF IONIZING RADIATION ARISING FROM STAR-FORMING GALAXIES AT REDSHIFT $z < 4$ : LOOKING FOR ANALOGS OF "STELLAR RE-IONIZERS". <i>Astrophysical Journal</i> , 2012, 751, 70.	1.6	117
84	MULTI-WAVELENGTH VIEW OF KILOPARSEC-SCALE CLUMPS IN STAR-FORMING GALAXIES AT $z < 2$ . <i>Astrophysical Journal</i> , 2012, 757, 120.	1.6	141
85	SURVEY DESIGN FOR SPECTRAL ENERGY DISTRIBUTION FITTING: A FISHER MATRIX APPROACH. <i>Astrophysical Journal</i> , 2012, 749, 72.	1.6	4
86	Deep 1.1-mm-wavelength imaging of the GOODS-S field by AzTEC/ASTE - II. Redshift distribution and nature of the submillimetre galaxy population. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 957-985.	1.6	100
87	galapagos: from pixels to parameters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 449-468.	1.6	151
88	HOW DO STAR-FORMING GALAXIES AT $z > 3$ ASSEMBLE THEIR MASSES?. <i>Astrophysical Journal</i> , 2012, 752, 66.	1.6	122
89	GALAXY STRUCTURE AND MODE OF STAR FORMATION IN THE SFR-MASS PLANE FROM $z < 2.5$ TO $z < 0.1$ . <i>Astrophysical Journal</i> , 2011, 742, 96.	1.6	590
90	THE RELATIVE ABUNDANCE OF COMPACT AND NORMAL MASSIVE EARLY-TYPE GALAXIES AND ITS EVOLUTION FROM REDSHIFT $z < 2$ TO THE PRESENT. <i>Astrophysical Journal</i> , 2011, 743, 96.	1.6	123

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91	DISCOVERY OF COLD, PRISTINE GAS POSSIBLY ACCRETING ONTO AN OVERDENSITY OF STAR-FORMING GALAXIES AT REDSHIFT $z \approx 1.6$ . <i>Astrophysical Journal</i> , 2011, 743, 95.	1.6	50
92	EXTREME EMISSION-LINE GALAXIES IN CANDELS: BROADBAND-SELECTED, STARBURSTING DWARF GALAXIES AT $z < 1$ . <i>Astrophysical Journal</i> , 2011, 742, 111.	1.6	131
93	COLOR AND STELLAR POPULATION GRADIENTS IN PASSIVELY EVOLVING GALAXIES AT $z \approx 2$ FROM <i>HST</i> /WFC3 DEEP IMAGING IN THE HUBBLE ULTRA DEEP FIELD. <i>Astrophysical Journal</i> , 2011, 735, 18.	1.6	70
94	CANDELS: THE COSMIC ASSEMBLY NEAR-INFRARED DEEP EXTRAGALACTIC LEGACY SURVEY—THE <i>HUBBLE</i> SPACE TELESCOPE OBSERVATIONS, IMAGING DATA PRODUCTS, AND MOSAICS. <i>Astrophysical Journal</i> , Supplement Series, 2011, 197, 36.	3.0	1,549
95	CANDELS: THE COSMIC ASSEMBLY NEAR-INFRARED DEEP EXTRAGALACTIC LEGACY SURVEY. <i>Astrophysical Journal</i> , Supplement Series, 2011, 197, 35.	3.0	1,590
96	THE MORPHOLOGY OF PASSIVELY EVOLVING GALAXIES AT $z \approx 2$ FROM <i>HUBBLE</i> SPACE TELESCOPE/WFC3 DEEP IMAGING IN THE HUBBLE ULTRA DEEP FIELD. <i>Astrophysical Journal Letters</i> , 2010, 714, L79-L83.	3.0	82
97	A DETAILED STUDY OF PHOTOMETRIC REDSHIFTS FOR GOODS-SOUTH GALAXIES. <i>Astrophysical Journal</i> , 2010, 724, 425-447.	1.6	83
98	STAGES: the Space Telescope A901/2 Galaxy Evolution Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 393, 1275-1301.	1.6	63
99	Reconstructing the cosmic density field with the distribution of dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 394, 398-414.	1.6	67
100	Environmental effects on satellite galaxies: the link between concentration, size and colour profile. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 394, 1213-1228.	1.6	177
101	Structural properties of central galaxies in groups and clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 398, 1129-1149.	1.6	114
102	Ongoing assembly of massive galaxies by major merging in large groups and clusters from the SDSS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 1537-1556.	1.6	129
103	The alignment between the distribution of satellites and the orientation of their central galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 369, 1293-1302.	1.6	141
104	Spatial Locality of Galaxy Correlation Function in Phase Space: Samples from the 2MASS Extended Source Catalog. <i>Astrophysical Journal</i> , 2004, 610, 51-60.	1.6	5
105	Evidence for Non-smooth Quenching in Massive Galaxies at $z \approx 1$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	5