

Henry C Ferguson

List of Publications by Citations

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98
papers

17,036
citations

52
h-index

101
g-index

101
ext. papers

18,628
ext. citations

5
avg, IF

5.54
L-index

#	Paper	IF	Citations
98	Type Ia Supernova Discoveries at $z > 1$ from the Hubble Space Telescope: Evidence for Past Deceleration and Constraints on Dark Energy Evolution. <i>Astrophysical Journal</i> , 2004 , 607, 665-687	4.7	3108
97	High-redshift galaxies in the Hubble Deep Field: colour selection and star formation history to $z \sim 4$. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996 , 283, 1388-1404	4.3	1596
96	CANDELS: THE COSMIC ASSEMBLY NEAR-INFRARED DEEP EXTRAGALACTIC LEGACY SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2011 , 197, 35	8	1279
95	CANDELS: THE COSMIC ASSEMBLY NEAR-INFRARED DEEP EXTRAGALACTIC LEGACY SURVEY THE HUBBLE SPACE TELESCOPE OBSERVATIONS, IMAGING DATA PRODUCTS, AND MOSAICS. <i>Astrophysical Journal, Supplement Series</i> , 2011 , 197, 36	8	1257
94	New Hubble Space Telescope Discoveries of Type Ia Supernovae at $z \sim 1$: Narrowing Constraints on the Early Behavior of Dark Energy. <i>Astrophysical Journal</i> , 2007 , 659, 98-121	4.7	1248
93	The Hubble Ultra Deep Field. <i>Astronomical Journal</i> , 2006 , 132, 1729-1755	4.9	590
92	The Stellar Populations and Evolution of Lyman Break Galaxies. <i>Astrophysical Journal</i> , 2001 , 559, 620-653	4.7	437
91	THE EVOLUTION OF THE GALAXY REST-FRAME ULTRAVIOLET LUMINOSITY FUNCTION OVER THE FIRST TWO BILLION YEARS. <i>Astrophysical Journal</i> , 2015 , 810, 71	4.7	396
90	CANDELS MULTI-WAVELENGTH CATALOGS: SOURCE DETECTION AND PHOTOMETRY IN THE GOODS-SOUTH FIELD. <i>Astrophysical Journal, Supplement Series</i> , 2013 , 207, 24	8	327
89	CANDELS: THE PROGENITORS OF COMPACT QUIESCENT GALAXIES AT $z \sim 2$. <i>Astrophysical Journal</i> , 2013 , 765, 104	4.7	314
88	The Size Evolution of High-Redshift Galaxies. <i>Astrophysical Journal</i> , 2004 , 600, L107-L110	4.7	304
87	A CRITICAL ASSESSMENT OF PHOTOMETRIC REDSHIFT METHODS: A CANDELS INVESTIGATION. <i>Astrophysical Journal</i> , 2013 , 775, 93	4.7	250
86	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	4.7	232
85	CANDELS: THE EVOLUTION OF GALAXY REST-FRAME ULTRAVIOLET COLORS FROM $z = 8$ TO 4. <i>Astrophysical Journal</i> , 2012 , 756, 164	4.7	218
84	THE RELATION BETWEEN STAR FORMATION RATE AND STELLAR MASS FOR GALAXIES AT $3.5 < z < 6.5$ IN CANDELS. <i>Astrophysical Journal</i> , 2015 , 799, 183	4.7	212
83	THE QUENCHING OF THE ULTRA-FAINT DWARF GALAXIES IN THE REIONIZATION ERA. <i>Astrophysical Journal</i> , 2014 , 796, 91	4.7	206
82	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	8	204

81	BULGE GROWTH AND QUENCHING SINCE $z = 2.5$ IN CANDELS/3D-HST. <i>Astrophysical Journal</i> , 2014 , 788, 11	4-7	202
80	A CANDELS-3D-HST SYNERGY: RESOLVED STAR FORMATION PATTERNS AT $0.7 < z < 1$. <i>Astrophysical Journal</i> , 2013 , 779, 135	4-7	177
79	THE EVOLUTION OF THE GALAXY STELLAR MASS FUNCTION AT $z = 4.8$: A STEEPENING LOW-MASS-END SLOPE WITH INCREASING REDSHIFT. <i>Astrophysical Journal</i> , 2016 , 825, 5	4-7	175
78	ON THE STELLAR POPULATIONS AND EVOLUTION OF STAR-FORMING GALAXIES AT $z = 6.3$. <i>Astrophysical Journal</i> , 2010 , 719, 1250-1273	4-7	164
77	CANDELS: THE CONTRIBUTION OF THE OBSERVED GALAXY POPULATION TO COSMIC REIONIZATION. <i>Astrophysical Journal</i> , 2012 , 758, 93	4-7	159
76	The Large-Scale and Small-Scale Clustering of Lyman Break Galaxies at $z \sim 1.5$. <i>Astrophysical Journal</i> , 2015 , 800, 39	4-7	151
75	CLUMPY GALAXIES IN CANDELS. I. THE DEFINITION OF UV CLUMPS AND THE FRACTION OF CLUMPY GALAXIES AT $0.5 < z < 1$. <i>Astrophysical Journal</i> , 2015 , 800, 39	4-7	137
74	New Constraints on the Lyman Continuum Escape Fraction at $z \sim 1.3$. <i>Astrophysical Journal</i> , 2007 , 668, 62-73	4-7	134
73	A DEEP HUBBLE SPACE TELESCOPE SEARCH FOR ESCAPING LYMAN CONTINUUM FLUX AT $z \sim 1.3$: EVIDENCE FOR AN EVOLVING IONIZING EMISSIVITY. <i>Astrophysical Journal</i> , 2010 , 723, 241-250	4-7	130
72	The Detailed Star Formation History in the Spheroid, Outer Disk, and Tidal Stream of the Andromeda Galaxy. <i>Astrophysical Journal</i> , 2006 , 652, 323-353	4-7	130
71	MULTI-WAVELENGTH VIEW OF KILOPARSEC-SCALE CLUMPS IN STAR-FORMING GALAXIES AT $z \sim 2$. <i>Astrophysical Journal</i> , 2012 , 757, 120	4-7	121
70	The rising star formation histories of distant galaxies and implications for gas accretion with time. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , no-no	4-3	120
69	UVUDF: ULTRAVIOLET THROUGH NEAR-INFRARED CATALOG AND PHOTOMETRIC REDSHIFTS OF GALAXIES IN THE HUBBLE ULTRA DEEP FIELD. <i>Astronomical Journal</i> , 2015 , 150, 31	4-9	112
68	HOW DO STAR-FORMING GALAXIES AT $z > 3$ ASSEMBLE THEIR MASSES?. <i>Astrophysical Journal</i> , 2012 , 752, 66	4-7	111
67	Type Ia Supernova Distances at Redshift > 1.5 from the Hubble Space Telescope Multi-cycle Treasury Programs: The Early Expansion Rate. <i>Astrophysical Journal</i> , 2018 , 853, 126	4-7	109
66	CANDELS/GOODS-S, CDFS, AND ECDFS: PHOTOMETRIC REDSHIFTS FOR NORMAL AND X-RAY-DETECTED GALAXIES. <i>Astrophysical Journal</i> , 2014 , 796, 60	4-7	103
65	ON THE DETECTION OF IONIZING RADIATION ARISING FROM STAR-FORMING GALAXIES AT REDSHIFT $z \sim 3-4$: LOOKING FOR ANALOGS OF STELLAR RE-IONIZERS. <i>Astrophysical Journal</i> , 2012 , 751, 70	4-7	103
64	TYPE Ia SUPERNOVA RATE MEASUREMENTS TO REDSHIFT 2.5 FROM CANDELS: SEARCHING FOR PROMPT EXPLOSIONS IN THE EARLY UNIVERSE. <i>Astronomical Journal</i> , 2014 , 148, 13	4-9	97

63	A DEEP HUBBLE SPACE TELESCOPE AND KECK SEARCH FOR DEFINITIVE IDENTIFICATION OF LYMAN CONTINUUM EMITTERS AT $z \sim 3.1$. <i>Astrophysical Journal</i> , 2015 , 804, 17	4-7	96
62	THE PROGENITORS OF THE COMPACT EARLY-TYPE GALAXIES AT HIGH REDSHIFT. <i>Astrophysical Journal</i> , 2014 , 780, 1	4-7	91
61	THE ESTIMATION OF STAR FORMATION RATES AND STELLAR POPULATION AGES OF HIGH-REDSHIFT GALAXIES FROM BROADBAND PHOTOMETRY. <i>Astrophysical Journal</i> , 2010 , 725, 1644-1651	4-7	91
60	A CRITICAL ASSESSMENT OF STELLAR MASS MEASUREMENT METHODS. <i>Astrophysical Journal</i> , 2015 , 808, 101	4-7	83
59	SEMI-ANALYTIC MODELS FOR THE CANDELS SURVEY: COMPARISON OF PREDICTIONS FOR INTRINSIC GALAXY PROPERTIES. <i>Astrophysical Journal</i> , 2014 , 795, 123	4-7	82
58	BREAKING THE CURVE WITH CANDELS: A BAYESIAN APPROACH TO REVEAL THE NON-UNIVERSALITY OF THE DUST-ATTENUATION LAW AT HIGH REDSHIFT. <i>Astrophysical Journal</i> , 2016 , 827, 20	4-7	80
57	MAPPING THE DARK MATTER FROM UV LIGHT AT HIGH REDSHIFT: AN EMPIRICAL APPROACH TO UNDERSTAND GALAXY STATISTICS. <i>Astrophysical Journal</i> , 2009 , 695, 368-390	4-7	78
56	THE NATURE OF EXTREME EMISSION LINE GALAXIES AT $z = 1-2$: KINEMATICS AND METALLICITIES FROM NEAR-INFRARED SPECTROSCOPY. <i>Astrophysical Journal</i> , 2014 , 791, 17	4-7	77
55	THE EVOLUTION OF STAR FORMATION HISTORIES OF QUIESCENT GALAXIES. <i>Astrophysical Journal</i> , 2016 , 832, 79	4-7	72
54	Effect of Local Environment and Stellar Mass on Galaxy Quenching and Morphology at 0.5. <i>Astrophysical Journal</i> , 2017 , 847, 134	4-7	72
53	BIASES AND UNCERTAINTIES IN PHYSICAL PARAMETER ESTIMATES OF LYMAN BREAK GALAXIES FROM BROADBAND PHOTOMETRY. <i>Astrophysical Journal, Supplement Series</i> , 2009 , 184, 100-132	8	64
52	CANDELS MULTI-WAVELENGTH CATALOGS: SOURCE IDENTIFICATION AND PHOTOMETRY IN THE CANDELS COSMOS SURVEY FIELD. <i>Astrophysical Journal, Supplement Series</i> , 2017 , 228, 7	8	63
51	COLOR AND STELLAR POPULATION GRADIENTS IN PASSIVELY EVOLVING GALAXIES AT $z \sim 2$ FROM HST/WFC3 DEEP IMAGING IN THE HUBBLE ULTRA DEEP FIELD. <i>Astrophysical Journal</i> , 2011 , 735, 18	4-7	62
50	Demographics of Star-forming Galaxies since $z \sim 2.5$. I. The UVJ Diagram in CANDELS. <i>Astrophysical Journal</i> , 2018 , 858, 100	4-7	58
49	THE DISCOVERY OF THE MOST DISTANT KNOWN TYPE Ia SUPERNOVA AT REDSHIFT 1.914. <i>Astrophysical Journal</i> , 2013 , 768, 166	4-7	57
48	THE ACS LCID PROJECT. X. THE STAR FORMATION HISTORY OF IC 1613: REVISITING THE OVER-COOLING PROBLEM. <i>Astrophysical Journal</i> , 2014 , 786, 44	4-7	57
47	EVOLUTION OF INTRINSIC SCATTER IN THE SFR-STELLAR MASS CORRELATION AT 0.5. <i>Astrophysical Journal Letters</i> , 2016 , 820, L1	7-9	53
46	CANDELS: THE CORRELATION BETWEEN GALAXY MORPHOLOGY AND STAR FORMATION ACTIVITY AT $z \sim 2$. <i>Astrophysical Journal</i> , 2013 , 774, 47	4-7	52

45	UVUDF: ULTRAVIOLET IMAGING OF THE HUBBLE ULTRA DEEP FIELD WITH WIDE-FIELD CAMERA 3. <i>Astronomical Journal</i> , 2013 , 146, 159	4-9	52
44	Relations between the Sizes of Galaxies and Their Dark Matter Halos at Redshifts 0 . <i>Astrophysical Journal</i> , 2017 , 838, 6	4-7	51
43	THE BIVARIATE SIZE-LUMINOSITY RELATIONS FOR LYMAN BREAK GALAXIES AT $z \sim 4-5$. <i>Astrophysical Journal</i> , 2013 , 765, 68	4-7	51
42	The nature of massive transition galaxies in CANDELS, GAMA and cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 472, 2054-2084	4-3	49
41	The ISLANDS Project. II. The Lifetime Star Formation Histories of Six Andromeda dSphs. <i>Astrophysical Journal</i> , 2017 , 837, 102	4-7	48
40	Clumpy Galaxies in CANDELS. II. Physical Properties of UV-bright Clumps at $0.5 < z < 1$. <i>Astrophysical Journal</i> , 2018 , 853, 108	4-7	48
39	Quenching and morphological transformation in semi-analytic models and CANDELS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 451, 2933-2956	4-3	46
38	Major merging history in CANDELS. I. Evolution of the incidence of massive galaxy-galaxy pairs from $z \sim 3$ to $z \sim 1$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 1549-1573	4-3	44
37	AN INCREASING STELLAR BARYON FRACTION IN BRIGHT GALAXIES AT HIGH REDSHIFT. <i>Astrophysical Journal</i> , 2015 , 814, 95	4-7	43
36	A WFC3 GRISM EMISSION LINE REDSHIFT CATALOG IN THE GOODS-SOUTH FIELD. <i>Astronomical Journal</i> , 2015 , 149, 178	4-9	39
35	A TYPE Ia SUPERNOVA AT REDSHIFT 1.55 IN HUBBLE SPACE TELESCOPE INFRARED OBSERVATIONS FROM CANDELS. <i>Astrophysical Journal</i> , 2012 , 746, 5	4-7	39
34	The relationship between star formation activity and galaxy structural properties in CANDELS and a semi-analytic model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 465, 619-640	4-3	38
33	PROPERTIES OF SUBMILLIMETER GALAXIES IN THE CANDELS GOODS-SOUTH FIELD. <i>Astrophysical Journal</i> , 2014 , 785, 111	4-7	37
32	CANDELS: CORRELATIONS OF SPECTRAL ENERGY DISTRIBUTIONS AND MORPHOLOGIES WITH STAR FORMATION STATUS FOR MASSIVE GALAXIES AT $z \sim 2$. <i>Astrophysical Journal</i> , 2012 , 752, 134	4-7	37
31	The Intrinsic Characteristics of Galaxies on the SFRM*Plane at $1.2 < z < 2$. <i>Astrophysical Journal</i> , 2018 , 853, 131	4-7	35
30	CLEAR. I. Ages and Metallicities of Quiescent Galaxies at $1.0 < z < 2$. <i>Astrophysical Journal</i> , 2019 , 870, 133	4-7	34
29	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	4-7	34
28	Quenching as a Contest between Galaxy Halos and Their Central Black Holes. <i>Astrophysical Journal</i> , 2020 , 897, 102	4-7	33

27	Nonparametric Star Formation History Reconstruction with Gaussian Processes. I. Counting Major Episodes of Star Formation. <i>Astrophysical Journal</i> , 2019 , 879, 116	4-7	28
26	The IRXRelation: Insights from Simulations. <i>Astrophysical Journal</i> , 2017 , 840, 15	4-7	27
25	COMPARING M31 AND MILKY WAY SATELLITES: THE EXTENDED STAR FORMATION HISTORIES OF ANDROMEDA II AND ANDROMEDA XVI. <i>Astrophysical Journal</i> , 2014 , 789, 24	4-7	27
24	KILOPARSEC-SCALE PROPERTIES OF EMISSION-LINE GALAXIES. <i>Astrophysical Journal</i> , 2014 , 797, 108	4-7	26
23	Large-scale Structures in the CANDELS Fields: The Role of the Environment in Star Formation Activity. <i>Astrophysical Journal</i> , 2020 , 890, 7	4-7	24
22	THE INTERSTELLAR MEDIUM AND FEEDBACK IN THE PROGENITORS OF THE COMPACT PASSIVE GALAXIES AT $z \sim 2$. <i>Astrophysical Journal</i> , 2015 , 800, 21	4-7	23
21	CLEAR. II. Evidence for Early Formation of the Most Compact Quiescent Galaxies at High Redshift. <i>Astrophysical Journal</i> , 2020 , 898, 171	4-7	21
20	CANDELS Sheds Light on the Environmental Quenching of Low-mass Galaxies. <i>Astrophysical Journal Letters</i> , 2017 , 841, L22	7-9	20
19	WHAT SHAPES THE FAR-INFRARED SPECTRAL ENERGY DISTRIBUTIONS OF GALAXIES?. <i>Astrophysical Journal</i> , 2016 , 818, 62	4-7	17
18	HST Imaging of the Ionizing Radiation from a Star-forming Galaxy at $z = 3.794$. <i>Astrophysical Journal</i> , 2020 , 888, 109	4-7	17
17	Evidence of Environmental Quenching at Redshift $z \gtrsim 2$. <i>Astrophysical Journal</i> , 2018 , 862, 135	4-7	16
16	NO MORE ACTIVE GALACTIC NUCLEI IN CLUMPY DISKS THAN IN SMOOTH GALAXIES AT $z \sim 2$ IN CANDELS/3D-HST. <i>Astrophysical Journal</i> , 2014 , 793, 101	4-7	15
15	Galaxy Inclination and the IRXRelation: Effects on UV Star Formation Rate Measurements at Intermediate to High Redshifts. <i>Astrophysical Journal</i> , 2018 , 869, 161	4-7	15
14	A NOVEL TECHNIQUE TO IMPROVE PHOTOMETRY IN CONFUSED IMAGES USING GRAPHS AND BAYESIAN PRIORS. <i>Astrophysical Journal</i> , 2015 , 798, 91	4-7	14
13	EVIDENCE FOR REDUCED SPECIFIC STAR FORMATION RATES IN THE CENTERS OF MASSIVE GALAXIES AT $z = 4$. <i>Astrophysical Journal</i> , 2017 , 834, 81	4-7	13
12	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	4-7	10
11	Texas Spectroscopic Search for Ly α Emission at the End of Reionization. II. The Deepest Near-infrared Spectroscopic Observation at $z \approx 7$. <i>Astrophysical Journal</i> , 2019 , 877, 146	4-7	10
10	The Semiforbidden C iii] $\lambda 909$ Emission in the Rest-ultraviolet Spectra of Green Pea Galaxies. <i>Astrophysical Journal</i> , 2020 , 896, 170	4-7	9

9	Mock light-cones and theory friendly catalogues for the CANDELS survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 502, 4858-4876	4-3	8
8	Extending the evolution of the stellar mass-size relation at $z \approx 2$ to low stellar mass galaxies from HFF and CANDELS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 506, 928-956	4-3	6
7	Deep Realistic Extragalactic Model (DREaM) Galaxy Catalogs: Predictions for a Roman Ultra-deep Field. <i>Astrophysical Journal</i> , 2022 , 926, 194	4-7	5
6	On the Stellar Populations of Galaxies at $z = 9-11$: The Growth of Metals and Stellar Mass at Early Times. <i>Astrophysical Journal</i> , 2022 , 927, 170	4-7	5
5	Selection of Massive Evolved Galaxies at $3 < z < 4.5$ in the CANDELS Fields. <i>Astrophysical Journal</i> , 2020 , 897, 44	4-7	4
4	The Star Formation Rate-Radius Connection: Data and Implications for Wind Strength and Halo Concentration. <i>Astrophysical Journal</i> , 2020 , 899, 93	4-7	4
3	The Low-redshift Lyman Continuum Survey. I. New, Diverse Local Lyman Continuum Emitters. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 260, 1	8	3
2	The Low-redshift Lyman Continuum Survey. II. New Insights into LyC Diagnostics. <i>Astrophysical Journal</i> , 2022 , 930, 126	4-7	2
1	Searching for Islands of Reionization: A Potential Ionized Bubble Powered by a Spectroscopic Overdensity at $z = 8.7$. <i>Astrophysical Journal</i> , 2022 , 930, 104	4-7	0