

# Kristian M Finlator

## List of Publications by Year in descending order

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69  
papers

6,232  
citations

70961

41  
h-index

98622

67  
g-index

71  
all docs

71  
docs citations

71  
times ranked

4598  
citing authors

#	ARTICLE	IF	CITATIONS
1	The evolution of the Si content in the Universe from the epoch of reionization to cosmic noon. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 2389-2401.	1.6	15
2	Using Multiple Emission Line Ratios to Constrain the Slope of the Dust Attenuation Law. <i>Astrophysical Journal</i> , 2022, 928, 71.	1.6	2
3	Assuming Ionization Equilibrium and the Impact on the Ly $\alpha$ Forest Power Spectrum during the End of Reionization at $8 \lesssim z \lesssim 5$ . <i>Astrophysical Journal</i> , 2022, 931, 46.	1.6	3
4	CLEAR: Boosted Ly $\alpha$ Transmission of the Intergalactic Medium in UV-bright Galaxies. <i>Astrophysical Journal</i> , 2022, 933, 87.	1.6	12
5	The effects of binary stars on galaxies and metal-enriched gas during reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2207-2223.	1.6	8
6	A [C $\alpha$ ] 158 $\mu$ m emitter associated with an O $\alpha$ absorber at the end of the reionization epoch. <i>Nature Astronomy</i> , 2021, 5, 1110-1117.	4.2	9
7	The faint host galaxies of C IV absorbers at $z \gtrsim 5$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 3223-3237.	1.6	15
8	Luminous Ly $\alpha$ Emitters with Very Blue UV-continuum Slopes at Redshift 5.7 $\lesssim z \lesssim$ 6.6. <i>Astrophysical Journal</i> , 2020, 889, 90.	1.6	15
9	Testing galaxy formation simulations with damped Lyman- $\alpha$ abundance and metallicity evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 2835-2846.	1.6	10
10	Weak evolution of the mass-metallicity relation at cosmic dawn in the FirstLight simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1988-1993.	1.6	14
11	Evolution of C iv Absorbers. I. The Cosmic Incidence. <i>Astrophysical Journal</i> , 2020, 904, 44.	1.6	17
12	Artist: fast radiative transfer for large-scale simulations of the epoch of reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 5594-5611.	1.6	21
13	Evolution of neutral oxygen during the epoch of reionization and its use in estimating the neutral hydrogen fraction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 2755-2768.	1.6	13
14	Conditions for Reionizing the Universe with a Low Galaxy Ionizing Photon Escape Fraction. <i>Astrophysical Journal</i> , 2019, 879, 36.	1.6	201
15	Constraining the contribution of active galactic nuclei to reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 227-240.	1.6	53
16	Reionization in Technicolor. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 2628-2649.	1.6	51
17	Demographics of Star-forming Galaxies since $z \gtrsim 2.5$ . I. The UVJ Diagram in CANDELS. <i>Astrophysical Journal</i> , 2018, 858, 100.	1.6	79
18	Aligned metal absorbers and the ultraviolet background at the end of reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 4717-4727.	1.6	14

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19	Equilibrium model prediction for the scatter in the star-forming main sequence. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2766-2776.	1.6	33
20	The minimum halo mass for star formation at $z=6-8$ . Monthly Notices of the Royal Astronomical Society, 2017, 464, 1633-1639.	1.6	21
21	Epoch of reionization $21\text{cm}$ forecasting from MCMC-constrained semi-numerical models. Monthly Notices of the Royal Astronomical Society, 2017, 468, 122-139.	1.6	33
22	Probing the Metal Enrichment of the Intergalactic Medium at $z=5-6$ Using the Hubble Space Telescope. Astrophysical Journal Letters, 2017, 849, L18.	3.0	13
23	The Spectral Evolution of the First Galaxies. III. Simulated James Webb Space Telescope Spectra of Reionization-epoch Galaxies with Lyman-continuum Leakage. Astrophysical Journal, 2017, 836, 78.	1.6	48
24	Gas Accretion and Galactic Chemical Evolution: Theory and Observations. Astrophysics and Space Science Library, 2017, , 221-248.	1.0	16
25	PHYSICAL PROPERTIES OF SPECTROSCOPICALLY CONFIRMED GALAXIES AT $z=6$ . III. STELLAR POPULATIONS FROM SED MODELING WITH SECURE $\text{Ly}\alpha$ EMISSION AND REDSHIFTS*. Astrophysical Journal, 2016, 816, 16.	1.6	35
26	Simulating the $21\text{cm}$ signal from reionization including non-linear ionizations and inhomogeneous recombinations. Monthly Notices of the Royal Astronomical Society, 2016, 457, 1550-1567.	1.6	46
27	Merging galaxies produce outliers from the fundamental metallicity relation. Monthly Notices of the Royal Astronomical Society, 2015, 451, 4005-4017.	1.6	17
28	THE RELATION BETWEEN STAR FORMATION RATE AND STELLAR MASS FOR GALAXIES AT $3.5 < z < 6.5$ IN CANDELS. Astrophysical Journal, 2015, 799, 183.	1.6	253
29	Equilibrium model constraints on baryon cycling across cosmic time. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1184-1200.	1.6	65
30	The reionization of carbon. Monthly Notices of the Royal Astronomical Society, 2015, 447, 2526-2539.	1.6	40
31	A CRITICAL ASSESSMENT OF STELLAR MASS MEASUREMENT METHODS. Astrophysical Journal, 2015, 808, 101.	1.6	106
32	SEMI-ANALYTIC MODELS FOR THE CANDELS SURVEY: COMPARISON OF PREDICTIONS FOR INTRINSIC GALAXY PROPERTIES. Astrophysical Journal, 2014, 795, 123.	1.6	91
33	The host haloes of $\text{OVI}$ absorbers in the reionization epoch. Monthly Notices of the Royal Astronomical Society, 2013, 436, 1818-1835.	1.6	37
34	A CRITICAL ASSESSMENT OF PHOTOMETRIC REDSHIFT METHODS: A CANDELS INVESTIGATION. Astrophysical Journal, 2013, 775, 93.	1.6	290
35	PHYSICAL PROPERTIES OF SPECTROSCOPICALLY CONFIRMED GALAXIES AT $z \approx 6$ . I. BASIC CHARACTERISTICS OF THE REST-FRAME UV CONTINUUM AND $\text{Ly}\alpha$ EMISSION. Astrophysical Journal, 2013, 772, 99.	1.6	62
36	THE METALLICITY EVOLUTION OF LOW-MASS GALAXIES: NEW CONSTRAINTS AT INTERMEDIATE REDSHIFT. Astrophysical Journal, 2013, 769, 148.	1.6	52

#	ARTICLE	IF	CITATIONS
37	PHYSICAL PROPERTIES OF SPECTROSCOPICALLY CONFIRMED GALAXIES AT $z \approx 6$ . II. MORPHOLOGY OF THE REST-FRAME UV CONTINUUM AND Ly $\alpha$ EMISSION. <i>Astrophysical Journal</i> , 2013, 773, 153.	1.6	73
38	SEDS: THE SPITZER EXTENDED DEEP SURVEY. SURVEY DESIGN, PHOTOMETRY, AND DEEP IRAC SOURCE COUNTS. <i>Astrophysical Journal</i> , 2013, 769, 80.	1.6	220
39	CONSTRAINTS ON THE IONIZING EFFICIENCY OF THE FIRST GALAXIES. <i>Astrophysical Journal Letters</i> , 2012, 759, L38.	3.0	68
40	A fundamental problem in our understanding of low-mass galaxy evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 2797-2812.	1.6	139
41	Gas clumping in self-consistent reionization models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 2464-2479.	1.6	104
42	CANDELS: THE EVOLUTION OF GALAXY REST-FRAME ULTRAVIOLET COLORS FROM $z = 8$ TO 4. <i>Astrophysical Journal</i> , 2012, 756, 164.	1.6	256
43	CANDELS: THE CONTRIBUTION OF THE OBSERVED GALAXY POPULATION TO COSMIC REIONIZATION. <i>Astrophysical Journal</i> , 2012, 758, 93.	1.6	174
44	Recent Advances in Cosmological Hydrogen Reionization. , 2012, , .		0
45	GALACTIC OUTFLOWS AND PHOTOIONIZATION HEATING IN THE REIONIZATION EPOCH. <i>Astrophysical Journal</i> , 2011, 743, 169.	1.6	69
46	METALS REMOVED BY OUTFLOWS FROM MILKY WAY DWARF SPHEROIDAL GALAXIES. <i>Astrophysical Journal Letters</i> , 2011, 742, L25.	3.0	63
47	Galaxy evolution in cosmological simulations with outflows - I. Stellar masses and star formation rates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 11-31.	1.6	297
48	Galaxy evolution in cosmological simulations with outflows - II. Metallicities and gas fractions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 416, 1354-1376.	1.6	335
49	Quenching massive galaxies with on-the-fly feedback in cosmological hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 2676-2695.	1.6	67
50	An analytic model for the evolution of the stellar, gas and metal content of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, , no-no.	1.6	279
51	Smoothly rising star formation histories during the reionization epoch. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , no-no.	1.6	75
52	The nature of submillimetre galaxies in cosmological hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , .	1.6	89
53	How is star formation quenched in massive galaxies?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 407, 749-771.	1.6	75
54	A new moment method for continuum radiative transfer in cosmological re-ionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 393, 1090-1106.	1.6	50

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55	Tracing the re-ionization-epoch intergalactic medium with metal absorption lines. Monthly Notices of the Royal Astronomical Society, 2009, 396, 729-758.	1.6	81
56	The late reionization of filaments. Monthly Notices of the Royal Astronomical Society, 2009, 400, 1049-1061.	1.6	42
57	The origin of the galaxy mass-metallicity relation and implications for galactic outflows. Monthly Notices of the Royal Astronomical Society, 2008, 385, 2181-2204.	1.6	380
58	The Mass-Metallicity Relation in Cosmological Hydrodynamic Simulations. EAS Publications Series, 2007, 24, 183-189.	0.3	4
59	Constraints on physical properties of $z \sim 6$ galaxies using cosmological hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2007, 376, 1861-1878.	1.6	71
60	When Does the Intergalactic Medium Become Enriched?. EAS Publications Series, 2007, 24, 157-162.	0.3	3
61	Measuring the Average Evolution of Luminous Galaxies at $z < 3$ : The Rest-frame Optical Luminosity Density, Spectral Energy Distribution, and Stellar Mass Density. Astrophysical Journal, 2006, 650, 624-643.	1.6	90
62	The Physical and Photometric Properties of High-Redshift Galaxies in Cosmological Hydrodynamic Simulations. Astrophysical Journal, 2006, 639, 672-694.	1.6	95
63	The physical properties and detectability of reionization-epoch galaxies. Monthly Notices of the Royal Astronomical Society, 2006, 370, 273-288.	1.6	76
64	Optical and Radio Properties of Extragalactic Sources Observed by the FIRST Survey and the Sloan Digital Sky Survey. Astronomical Journal, 2002, 124, 2364-2400.	1.9	416
65	The Optical, Infrared and Radio Properties of Extragalactic Sources Observed by SDSS, 2MASS and FIRST Surveys. International Astronomical Union Colloquium, 2002, 184, 137-146.	0.1	1
66	Solar System Objects Observed in the Sloan Digital Sky Survey Commissioning Data. Astronomical Journal, 2001, 122, 2749-2784.	1.9	381
67	Candidate RR Lyrae Stars Found in Sloan Digital Sky Survey Commissioning Data. Astronomical Journal, 2000, 120, 963-977.	1.9	208
68	Optical and Infrared Colors of Stars Observed by the Two Micron All Sky Survey and the Sloan Digital Sky Survey. Astronomical Journal, 2000, 120, 2615-2626.	1.9	115
69	The Soft, Fluctuating UVB at $z \sim 6$ as Traced by $\text{C IV}$ , $\text{Si IV}$ , and $\text{C II}$ . Monthly Notices of the Royal Astronomical Society, 0, , stw805.	1.6	26