

Kartheik G Iyer

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

400
citations

1040056

9
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

523
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonparametric Star Formation History Reconstruction with Gaussian Processes. I. Counting Major Episodes of Star Formation. <i>Astrophysical Journal</i> , 2019, 879, 116.	4.5	81
2	Reconstruction of Galaxy Star Formation Histories through SED Fitting: The Dense Basis Approach. <i>Astrophysical Journal</i> , 2017, 838, 127.	4.5	70
3	The diversity and variability of star formation histories in models of galaxy evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 430-463.	4.4	62
4	The Near-infrared Imager and Slitless Spectrograph for the James Webb Space Telescope. II. Wide Field Slitless Spectroscopy. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 025002.	3.1	39
5	Star Formation Stochasticity Measured from the Distribution of Burst Indicators. <i>Astrophysical Journal</i> , 2019, 873, 74.	4.5	31
6	The $SFR \propto M^{*}$ Correlation Extends to Low Mass at High Redshift. <i>Astrophysical Journal</i> , 2018, 866, 120.	4.5	29
7	Learning the relationship between galaxies spectra and their star formation histories using convolutional neural networks and cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5503-5520.	4.4	28
8	IQ Collaboratory. II. The Quiescent Fraction of Isolated, Low-mass Galaxies across Simulations and Observations. <i>Astrophysical Journal</i> , 2021, 915, 53.	4.5	19
9	IQ Collaboratory. III. The Empirical Dust Attenuation Framework—Taking Hydrodynamical Simulations with a Grain of Dust. <i>Astrophysical Journal</i> , 2022, 926, 122.	4.5	10
10	Star Formation Histories from Spectral Energy Distributions and Color—magnitude Diagrams Agree: Evidence for Synchronized Star Formation in Local Volume Dwarf Galaxies over the Past 3 Gyr. <i>Astrophysical Journal</i> , 2021, 913, 45.	4.5	9
11	Across the green valley with <i>HST</i> grisms: colour evolution, crossing time-scales, and the growth of the red sequence at $z = 1.0 - 1.8$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3566-3588.	4.4	9
12	The LSST-DESC 3x2pt Tomography Optimization Challenge. <i>The Open Journal of Astrophysics</i> , 2021, 4, .	2.8	7
13	3D-DASH: The Widest Near-infrared Hubble Space Telescope Survey. <i>Astrophysical Journal</i> , 2022, 933, 129.	4.5	6
14	Going beyond galaxy ages with dense basis star formation history reconstruction. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 134-137.	0.0	0