

Catherine Heymans

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,450
citations

516710

16
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

2223
citing authors

#	ARTICLE	IF	CITATIONS
1	Galaxy And Mass Assembly (GAMA): Data Release 4 and the $\langle z \rangle$ < 0.1 total and $\langle z \rangle$ < 0.08 morphological galaxy stellar mass functions. Monthly Notices of the Royal Astronomical Society, 2022, 513, 439-467.	4.4	75
2	Magnification bias in galaxy surveys with complex sample selection functions. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1452-1465.	4.4	18
3	Cosmic shear cosmology beyond two-point statistics: a combined peak count and correlation function analysis of DES-Y1. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1623-1650.	4.4	45
4	Minimizing the impact of scale-dependent galaxy bias on the joint cosmological analysis of large-scale structures. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3003-3016.	4.4	9
5	On the road to 1% accuracy II. Calibration of the non-linear matter power spectrum for arbitrary cosmologies. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4826-4840.	4.4	37
6	Dark Energy Survey Year 1: An independent E/B-mode cosmic shear analysis. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 484, L59-L63.	3.3	7
7	A unified analysis of four cosmic shear surveys. Monthly Notices of the Royal Astronomical Society, 2019, 482, 3696-3717.	4.4	39
8	KiDS-450: cosmological constraints from weak lensing peak statistics I. Inference from analytical prediction of high signal-to-noise ratio convergence peaks. Monthly Notices of the Royal Astronomical Society, 2018, 474, 1116-1134.	4.4	79
9	Cosmology and fundamental physics with the Euclid satellite. Living Reviews in Relativity, 2018, 21, 2.	26.7	602
10	Large-scale structure probes of modified gravity. International Journal of Modern Physics D, 2018, 27, 1848005.	2.1	7
11	Unveiling galaxy bias via the halo model, KiDS, and GAMA. Monthly Notices of the Royal Astronomical Society, 2018, 479, 1240-1259.	4.4	38
12	KiDS+GAMA: cosmology constraints from a joint analysis of cosmic shear, galaxy-galaxy lensing, and angular clustering. Monthly Notices of the Royal Astronomical Society, 2018, 476, 4662-4689.	4.4	163
13	CFHTLenS revisited: assessing concordance with Planck including astrophysical systematics. Monthly Notices of the Royal Astronomical Society, 2017, 465, 2033-2052.	4.4	185
14	Lensing is low: cosmology, galaxy formation or new physics?. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3024-3047.	4.4	150
15	Cluster mass profile reconstruction with size and flux magnification on the HST-STAGES survey. Monthly Notices of the Royal Astronomical Society, 2016, 457, 764-785.	4.4	11
16	Enhancing the cosmic shear power spectrum. Monthly Notices of the Royal Astronomical Society, 2016, 456, 278-285.	4.4	8
17	Testing gravity with E_G : mapping theory onto observations. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 051-051.	5.4	27
18	Flexion measurement in simulations of Hubble Space Telescope data. Monthly Notices of the Royal Astronomical Society, 2013, 435, 822-844.	4.4	17

#	ARTICLE	IF	CITATIONS
19	CFHTLenS: testing the laws of gravity with tomographic weak lensing and redshift-space distortions. Monthly Notices of the Royal Astronomical Society, 2013, 429, 2249-2263.	4.4	149
20	Clipping the cosmos. II. Cosmological information from nonlinear scales. Physical Review D, 2013, 88, .	4.7	22
21	CFHTLenS: the Canadaâ€“Franceâ€“Hawaii Telescope Lensing Survey. Monthly Notices of the Royal Astronomical Society, 2012, 427, 146-166.	4.4	596
22	Sources of contamination to weak lensing three-point statistics: constraints from N -body simulations. Monthly Notices of the Royal Astronomical Society, 2008, 388, 991-1000.	4.4	39
23	Intrinsic correlation of galaxy shapes: implications for weak lensing measurements. Monthly Notices of the Royal Astronomical Society, 2000, 319, 649-656.	4.4	122
24	The matter density PDF for modified gravity and dark energy with Large Deviations Theory. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	5