

Catherine Heymans

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/968260/publications.pdf>

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	Cosmology and fundamental physics with the Euclid satellite. <i>Living Reviews in Relativity</i> , 2018, 21, 2.	26.7	602
2	CFHTLenS: the Canada–France–Hawaii Telescope Lensing Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 146-166.	4.4	596
3	CFHTLenS revisited: assessing concordance with Planck including astrophysical systematics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 2033-2052.	4.4	185
4	KiDS+GAMA: cosmology constraints from a joint analysis of cosmic shear, galaxy–galaxy lensing, and angular clustering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 4662-4689.	4.4	163
5	Lensing is low: cosmology, galaxy formation or new physics?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 3024-3047.	4.4	150
6	CFHTLenS: testing the laws of gravity with tomographic weak lensing and redshift-space distortions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 2249-2263.	4.4	149
7	Intrinsic correlation of galaxy shapes: implications for weak lensing measurements. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 319, 649-656.	4.4	122
8	KiDS-450: cosmological constraints from weak lensing peak statistics – I. Inference from analytical prediction of high signal-to-noise ratio convergence peaks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 1116-1134.	4.4	79
9	Galaxy And Mass Assembly (GAMA): Data Release 4 and the $\langle i \rangle_z$ < 0.1 total and $\langle i \rangle_z$ < 0.08 morphological galaxy stellar mass functions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 439-467.	4.4	75
10	Cosmic shear cosmology beyond two-point statistics: a combined peak count and correlation function analysis of DES-Y1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 1623-1650.	4.4	45
11	Sources of contamination to weak lensing three-point statistics: constraints from N -body simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 991-1000.	4.4	39
12	A unified analysis of four cosmic shear surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 3696-3717.	4.4	39
13	Unveiling galaxy bias via the halo model, KiDS, and GAMA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 1240-1259.	4.4	38
14	On the road to 1% accuracy – II. Calibration of the non-linear matter power spectrum for arbitrary cosmologies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4826-4840.	4.4	37
15	Testing gravity with E_G : mapping theory onto observations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 051-051.	5.4	27
16	Clipping the cosmos. II. Cosmological information from nonlinear scales. <i>Physical Review D</i> , 2013, 88, .	4.7	22
17	Magnification bias in galaxy surveys with complex sample selection functions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 1452-1465.	4.4	18
18	Flexion measurement in simulations of Hubble Space Telescope data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 822-844.	4.4	17

#	ARTICLE	IF	CITATIONS
19	Cluster mass profile reconstruction with size and flux magnification on the <i>HST</i> STAGES survey. Monthly Notices of the Royal Astronomical Society, 2016, 457, 764-785.	4.4	11
20	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
21	Enhancing the cosmic shear power spectrum. Monthly Notices of the Royal Astronomical Society, 2016, 456, 278-285.	4.4	8
22	Large-scale structure probes of modified gravity. International Journal of Modern Physics D, 2018, 27, 1848005.	2.1	7
23	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
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