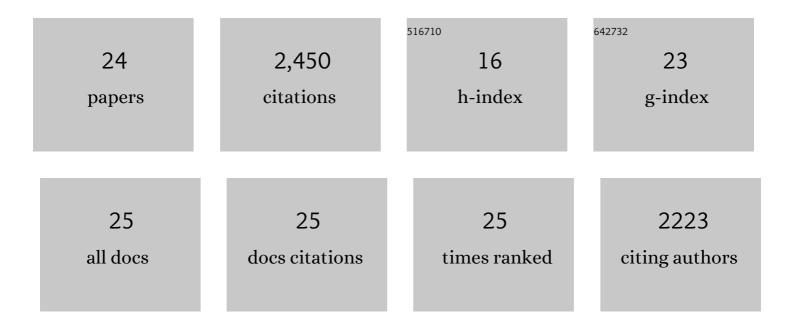
## **Catherine Heymans**

List of Publications by Year in descending order

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CATHEDINE HEVMANS

#	Article	IF	CITATIONS
1	Cosmology and fundamental physics with the Euclid satellite. Living Reviews in Relativity, 2018, 21, 2.	26.7	602
2	CFHTLenS: the Canada–France–Hawaii Telescope Lensing Survey. Monthly Notices of the Royal Astronomical Society, 2012, 427, 146-166.	4.4	596
3	CFHTLenS revisited: assessing concordance with Planck including astrophysical systematics. Monthly Notices of the Royal Astronomical Society, 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. Monthly Notices of the Royal Astronomical Society, 2018, 476, 4662-4689.	4.4	163
5	Lensing is low: cosmology, galaxy formation or new physics?. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3024-3047.	4.4	150
6	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
7	Intrinsic correlation of galaxy shapes: implications for weak lensing measurements. Monthly Notices of the Royal Astronomical Society, 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. Monthly Notices of the Royal Astronomical Society, 2018, 474, 1116-1134.	4.4	79
9	Galaxy And Mass Assembly (GAMA): Data Release 4 and the <i>z</i> &lt; 0.1 total and <i>z</i> &lt; 0.08 morphological galaxy stellar mass functions. Monthly Notices of the Royal Astronomical Society, 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. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1623-1650.	4.4	45
11	Sources of contamination to weak lensing three-point statistics: constraints from <i>N</i> -body simulations. Monthly Notices of the Royal Astronomical Society, 2008, 388, 991-1000.	4.4	39
12	A unified analysis of four cosmic shear surveys. Monthly Notices of the Royal Astronomical Society, 2019, 482, 3696-3717.	4.4	39
13	Unveiling galaxy bias via the halo model, KiDS, and GAMA. Monthly Notices of the Royal Astronomical Society, 2018, 479, 1240-1259.	4.4	38
14	On the road toÂper cent 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
15	Testing gravity with <i>E</i> <sub><i>G</i></sub> : mapping theory onto observations. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 051-051.	5.4	27
16	Clipping the cosmos. II. Cosmological information from nonlinear scales. Physical Review D, 2013, 88, .	4.7	22
17	Magnification bias in galaxy surveys with complex sample selection functions. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1452-1465.	4.4	18
18	Flexion measurement in simulations of Hubble Space Telescope data. Monthly Notices of the Royal Astronomical Society, 2013, 435, 822-844.	4.4	17

CATHERINE HEYMANS

#	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