

# Luciano Casarini

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2811470/publications.pdf>

Version: 2024-02-01

20  
papers

1,653  
citations

686830

13  
h-index

752256

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1939  
citing authors

| #  | ARTICLE                                                                                                                                                        | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Cosmology and Fundamental Physics with the Euclid Satellite. Living Reviews in Relativity, 2013, 16, 6.                                                        | 8.2 | 683       |
| 2  | Cosmology and fundamental physics with the Euclid satellite. Living Reviews in Relativity, 2018, 21, 2.                                                        | 8.2 | 602       |
| 3  | Cosmological constraints on parametrized interacting dark energy. Physics of the Dark Universe, 2019, 23, 100248.                                              | 1.8 | 48        |
| 4  | Dynamical dark energy simulations: high accuracy power spectra at high redshift. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 014-014.          | 1.9 | 38        |
| 5  | Does a generalized Chaplygin gas correctly describe the cosmological dark sector?. Physics of the Dark Universe, 2017, 15, 114-124.                            | 1.8 | 34        |
| 6  | Bouncing solutions in Rastall's theory with a barotropic fluid. Gravitation and Cosmology, 2013, 19, 156-162.                                                  | 0.3 | 31        |
| 7  | Null test for interactions in the dark sector. Physical Review D, 2019, 99, .                                                                                  | 1.6 | 31        |
| 8  | Structure formation in a $\Lambda$ CDM universe with a viscous dark energy component. Physical Review D, 2014, 90, .                                           | 1.6 | 30        |
| 9  | The Sky Polarization Observatory. New Astronomy, 2004, 9, 297-327.                                                                                             | 0.8 | 28        |
| 10 | Dark MaGICC: the effect of dark energy on disc galaxy formation. Cosmology does matter. Monthly Notices of the Royal Astronomical Society, 2014, 442, 176-186. | 1.6 | 27        |
| 11 | Dark degeneracy I: Dynamical or interacting dark energy?. Physics of the Dark Universe, 2020, 28, 100490.                                                      | 1.8 | 24        |
| 12 | Non-linear weak lensing forecasts. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 026-026.                                                        | 1.9 | 19        |
| 13 | Model-independent reconstruction of dark sector interactions. Physical Review D, 2021, 104, .                                                                  | 1.6 | 16        |
| 14 | Effects of coupled dark energy on the Milky Way and its satellites. Monthly Notices of the Royal Astronomical Society, 2016, 461, 2490-2501.                   | 1.6 | 13        |
| 15 | Linear and non-linear perturbations in dark energy models. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 010-010.                                | 1.9 | 12        |
| 16 | High-precision spectra for dynamical Dark Energy cosmologies from constant- $w$ models. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 005-005.   | 1.9 | 6         |
| 17 | Spectra of dynamical dark energy cosmologies from constant- $w$ models. New Astronomy, 2010, 15, 575-579.                                                      | 0.8 | 4         |
| 18 | SAMPLE VARIANCE IN $N$ -BODY SIMULATIONS AND IMPACT ON TOMOGRAPHIC SHEAR PREDICTIONS. Astrophysical Journal, 2015, 812, 16.                                    | 1.6 | 4         |

| #  | ARTICLE                                                                                                                                     | IF  | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Direct recovery of fluctuation spectra from tomographic shear spectra. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 005-005. | 1.9 | 2         |
| 20 | The BaR-SPOrt experiment: measuring the CMBP E-mode power spectrum from Dome C. EAS Publications Series, 2005, 14, 81-86.                   | 0.3 | 1         |