

# Valeria Pettorino

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49  
papers

3,591  
citations

28  
h-index

50  
g-index

50  
ext. papers

4,316  
ext. citations

6.1  
avg, IF

5.21  
L-index

#	Paper	IF	Citations
49	Cosmology Intertwined: A Review of the Particle Physics, Astrophysics, and Cosmology Associated with the Cosmological Tensions and Anomalies. <i>Journal of High Energy Astrophysics</i> , <b>2022</b> , 34, 49-49	2.5	17
48	Early dark energy in the pre- and postrecombination epochs. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	4
47	Testing the Dark Universe with Cosmic Shear <b>2021</b> , 557-569		
46	Snowmass2021 - Letter of interest cosmology intertwined II: The hubble constant tension. <i>Astroparticle Physics</i> , <b>2021</b> , 131, 102605	2.4	65
45	Starlet-norm for weak lensing cosmology. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 645, L11	5.1	3
44	Beyond self-acceleration: Force- and fluid-acceleration. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 802, 135214	4.2	1
43	Update on coupled dark energy and the H0 tension. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	46
42	Euclid preparation. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 642, A191	5.1	73
41	Euclid: the selection of quiescent and star-forming galaxies using observed colours. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 2337-2354	4.3	3
40	Constraining neutrino masses with weak-lensing multiscale peak counts. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	10
39	On the dissection of degenerate cosmologies with machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 104-122	4.3	20
38	Distinguishing standard and modified gravity cosmologies with machine learning. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	20
37	KiDS+GAMA: constraints on horndeski gravity from combined large-scale structure probes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 2155-2177	4.3	20
36	Cosmology and fundamental physics with the Euclid satellite. <i>Living Reviews in Relativity</i> , <b>2018</b> , 21, 2	32.5	366
35	Breaking degeneracies in modified gravity with higher (than 2nd) order weak-lensing statistics. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 619, A38	5.1	34
34	Testing (modified) gravity with 3D and tomographic cosmic shear. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 3725-3738	4.3	28
33	Determining H0 with Bayesian hyper-parameters. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2017</b> , 2017, 056-056	6.4	68

32	Linear and non-linear Modified Gravity forecasts with future surveys. <i>Physics of the Dark Universe</i> , <b>2017</b> , 18, 73-104	4.4	29
31	Dynamics of neutrino lumps in growing neutrino quintessence. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	12
30	Non-local gravity and comparison with observational datasets. II. Updated results and Bayesian model comparison with $\Lambda$ CDM. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2016</b> , 2016, 068-068	6.4	46
29	Fitting and forecasting coupled dark energy in the non-linear regime. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2016</b> , 2016, 045-045	6.4	15
28	Planck2015 results. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 594, A19	5.1	220
27	Non-local gravity and comparison with observational datasets. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2015</b> , 2015, 044-044	6.4	46
26	Joint analysis of BICEP2/keck array and Planck Data. <i>Physical Review Letters</i> , <b>2015</b> , 114, 101301	7.4	691
25	Surfing gravitational waves: can bigravity survive growing tensor modes?. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2015</b> , 2015, 052-052	6.4	23
24	Friction in gravitational waves: A test for early-time modified gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 742, 353-357	4.2	24
23	Effects of modified gravity on B-mode polarization. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	58
22	Can AMS-02 discriminate the origin of an anti-proton signal?. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2014</b> , 2014, 078-078	6.4	12
21	A comparison of structure formation in minimally and non-minimally coupled quintessence models. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 437, 547-561	4.3	48
20	How early is early dark energy?. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	65
19	Maps of CMB lensing deflection from N-body simulations in Coupled Dark Energy Cosmologies. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2013</b> , 2013, 004-004	6.4	26
18	Cosmology and Fundamental Physics with the Euclid Satellite. <i>Living Reviews in Relativity</i> , <b>2013</b> , 16, 6	32.5	582
17	Testing modified gravity with Planck: The case of coupled dark energy. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	66
16	Constraints on coupled dark energy using CMB data from WMAP and South Pole Telescope. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	51
15	Testing coupled dark energy with next-generation large-scale observations. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	42

14	Non-minimally coupled dark matter: effective pressure and structure formation. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2012</b> , 2012, 027-027	6.4	25
13	The darkness that shaped the void: dark energy and cosmic voids. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 426, 440-461	4.3	109
12	Hydrodynamical simulations of galaxy clusters in dark energy cosmologies - I. General properties. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 415, 2758-2772	4.3	26
11	High-z massive clusters as a test for dynamical coupled dark energy. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2011</b> , 412, L1-L5	4.3	38
10	Oscillating non-linear large-scale structures in growing neutrino quintessence. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 418, 214-229	4.3	21
9	Hydrodynamical N-body simulations of coupled dark energy cosmologies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , 403, 1684-1702	4.3	158
8	Clarifying spherical collapse in coupled dark energy cosmologies. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	58
7	Neutrino lumps and the cosmic microwave background. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	28
6	Clustering in growing neutrino cosmologies <b>2009</b> ,		7
5	Growing neutrino cosmologies and impact on large scale structures. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2009</b> , 194, 300-306		
4	Coupled and extended quintessence: Theoretical differences and structure formation. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	124
3	Extended quintessence with an exponential coupling. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2005</b> , 2005, 014-014	6.4	38
2	Scaling solutions in scalar tensor cosmologies. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2005</b> , 2005, 003-003	6.4	28
1	COUPLED QUINTESSENCE AND THE COINCIDENCE PROBLEM. <i>Modern Physics Letters A</i> , <b>2003</b> , 18, 831-842	4.3	97