Francesco Pace

List of Publications by Year
in descending order

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52 papers	1,359 citations	304743 22 h-index	361022 35 g-index
53 all docs	53 docs citations	53 times ranked	1043 citing authors

#	Article	IF	Citations
1	A 3D Phase Space Analysis of Scalar Field Potentials. Universe, 2022, 8, 145.	2.5	1
2	Tidal virialization of dark matter haloes with clustering dark energy. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 014.	5.4	1
3	Comparison of different approaches to the quasi-static approximation in Horndeski models. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 017.	5.4	14
4	Cosmological gravity on all scales. Part II. Model independent modified gravity N-body simulations. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 016.	5.4	10
5	Testing generalized logotropic models with cosmic growth. Physical Review D, 2021, 104, .	4.7	14
6	Growth of non-linear structures and spherical collapse in the Galileon Ghost Condensate model. Physics of the Dark Universe, 2020, 30, 100686.	4.9	9
7	Spherical collapse in generalized dark matter models. Physical Review D, 2020, 102, .	4.7	5
8	Dark matter axion detection in the radio/mm waveband. Physical Review D, 2020, 102, .	4.7	45
9	Dark sector evolution in Horndeski models. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 018-018.	5.4	12
10	Halo collapse: virialization by shear and rotation in dynamical dark-energy models. Effects on weak-lensing peaks. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 060-060.	5.4	15
11	Cosmologically viable generalized Einstein-aether theories. Physical Review D, 2019, 99, .	4.7	12
12	Mass-temperature relation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="normal">Î›</mml:mi><mml:mi>CDM</mml:mi></mml:math> and modified gravity. Physical Review D, 2019, 100, .	4.7	15
13	Comparison of Einstein-Boltzmann solvers for testing general relativity. Physical Review D, 2018, 97, .	4.7	44
14	Energy transfer from baryons to dark matter as a unified solution to small-scale structure issues of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="normal">Î›</mml:mi><mml:mi>CDM</mml:mi></mml:math> model. Physical Review D, 2018, 98, .	4.7	12
15	Shear and vorticity in the spherical collapse of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4558-4565.	4.4	5
16	Gravitational wave constraints on dark sector models. Physical Review D, 2018, 98, .	4.7	43
17	Do cosmological data rule out f(R) with wâ‰ˆâˆ’1 ?. Physical Review D, 2018, 97, .	4.7	18
18	A high precision semi-analytic mass function. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 032-032.	5.4	26

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19	Constraints on shear and rotation with massive galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2017, 465, 2687-2697.	4.4	21
20	On the implementation of the spherical collapse model for dark energy models. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 040-040.	5.4	24
21	Cosmological perturbation theory in generalized Einstein-Aether models. Physical Review D, 2017, 96, .	4.7	23
22	Effects of tidal gravitational fields in clustering dark energy models. Monthly Notices of the Royal Astronomical Society, 2017, 466, 1839-1847.	4.4	5
23	Growth of spherical overdensities in scalarâ€“tensor cosmologies. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3795-3807.	4.4	21
24	Approximation of the potential in scalar field dark energy models. Physical Review D, 2016, 94, .	4.7	23
25	Spherical collapse of dark matter haloes in tidal gravitational fields. Monthly Notices of the Royal Astronomical Society, 2016, 463, 429-440.	4.4	10
26	The Cusp/Core problem: supernovae feedback versus the baryonic clumps and dynamical friction model. Astrophysics and Space Science, 2016, 361, 1.	1.4	42
27	Constraints on Î©_mand Ïƒ₈from the potential-based cluster temperature function. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1687-1696.	4.4	11
28	The importance of the cosmic web and halo substructure for power spectra. Monthly Notices of the Royal Astronomical Society, 2015, 454, 708-723.	4.4	3
29	Evolution of spherical overdensities in holographic dark energy models. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1873-1884.	4.4	25
30	Can observational growth rate data favor the clustering dark energy models?. Astrophysics and Space Science, 2015, 356, 129-135.	1.4	13
31	How clustering dark energy affects matter perturbations. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2930-2939.	4.4	47
32	Intrinsic size correlations in weak lensing. Monthly Notices of the Royal Astronomical Society, 2015, 449, 2059-2068.	4.4	6
33	Effects of ghost dark energy perturbations on the evolution of spherical overdensities. Monthly Notices of the Royal Astronomical Society, 2015, 453, 4149-4159.	4.4	22
34	Ray-tracing simulations of coupled dark energy models. Monthly Notices of the Royal Astronomical Society, 2015, 447, 858-874.	4.4	17
35	A comparison of structure formation in minimally and non-minimally coupled quintessence models. Monthly Notices of the Royal Astronomical Society, 2014, 437, 547-561.	4.4	54
36	Effects of shear and rotation on the spherical collapse model for clustering dark energy. Monthly Notices of the Royal Astronomical Society, 2014, 445, 648-659.	4.4	58

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37	Hydrodynamical chemistry simulations of the Sunyaevâ€“Zel'dovich effect and the impacts from primordial non-Gaussianities. Monthly Notices of the Royal Astronomical Society, 2014, 437, 1308-1317.	4.4	5
38	Bounded scalar perturbations in bouncing brane world cosmologies. Physical Review D, 2013, 88, .	4.7	4
39	Shear and rotation in Chaplygin cosmology. Physical Review D, 2013, 87, .	4.7	47
40	EXTENDED SPHERICAL COLLAPSE AND THE ACCELERATING UNIVERSE. International Journal of Modern Physics D, 2013, 22, 1350038.	2.1	47
41	Structure formation in inhomogeneous Early Dark Energy models. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 044-044.	5.4	63
42	Spherical collapse model with shear and angular momentum in dark energy cosmologies. Monthly Notices of the Royal Astronomical Society, 2013, 430, 628-637.	4.4	57
43	Relativistic virialization in the spherical collapse model for Einstein-de Sitter and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î</mml:mi><mml:mi>CDM</mml:mi></mml:math>cosmologies. Physical Review D, 2012, 86, .	4.7	23
44	Structure formation in cosmologies with oscillating dark energy. Monthly Notices of the Royal Astronomical Society, 2012, 422, 1186-1202.	4.4	44
45	A numerical study of the effects of primordial non-Gaussianities on weak lensing statistics. Monthly Notices of the Royal Astronomical Society, 2011, 411, 595-606.	4.4	18
46	The effect of primordial non-Gaussianity on the skeleton of cosmic shear maps. Monthly Notices of the Royal Astronomical Society, 2011, 416, 3098-3107.	4.4	7
47	Strong lensing in the MARENOSTRUM UNIVERSE. Astronomy and Astrophysics, 2010, 519, A90.	5.1	77
48	An analytic approach to number counts of weak-lensing peak detections. Astronomy and Astrophysics, 2010, 519, A23.	5.1	63
49	Statistical properties of SZÂand X-ray cluster detections. Astronomy and Astrophysics, 2008, 483, 389-400.	5.1	12
50	Arc sensitivity to cluster ellipticity, asymmetries, and substructures. Astronomy and Astrophysics, 2007, 461, 25-38.	5.1	61
51	Testing the reliability of weak lensing cluster detections. Astronomy and Astrophysics, 2007, 471, 731-742.	5.1	33
52	Spherical collapse model in dark-energy cosmologies. Monthly Notices of the Royal Astronomical Society, 0, , no-no.	4.4	59