

Francesco Pace

List of Publications by Year in descending order

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Version: 2024-02-01

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	Strong lensing in the MARENOSTRUM UNIVERSE. <i>Astronomy and Astrophysics</i> , 2010, 519, A90.	5.1	77
2	An analytic approach to number counts of weak-lensing peak detections. <i>Astronomy and Astrophysics</i> , 2010, 519, A23.	5.1	63
3	Structure formation in inhomogeneous Early Dark Energy models. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 044-044.	5.4	63
4	Arc sensitivity to cluster ellipticity, asymmetries, and substructures. <i>Astronomy and Astrophysics</i> , 2007, 461, 25-38.	5.1	61
5	Spherical collapse model in dark-energy cosmologies. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , no-no.	4.4	59
6	Effects of shear and rotation on the spherical collapse model for clustering dark energy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 648-659.	4.4	58
7	Spherical collapse model with shear and angular momentum in dark energy cosmologies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 628-637.	4.4	57
8	A comparison of structure formation in minimally and non-minimally coupled quintessence models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 547-561.	4.4	54
9	Shear and rotation in Chaplygin cosmology. <i>Physical Review D</i> , 2013, 87, .	4.7	47
10	EXTENDED SPHERICAL COLLAPSE AND THE ACCELERATING UNIVERSE. <i>International Journal of Modern Physics D</i> , 2013, 22, 1350038.	2.1	47
11	How clustering dark energy affects matter perturbations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 2930-2939.	4.4	47
12	Dark matter axion detection in the radio/mm waveband. <i>Physical Review D</i> , 2020, 102, .	4.7	45
13	Structure formation in cosmologies with oscillating dark energy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 1186-1202.	4.4	44
14	Comparison of Einstein-Boltzmann solvers for testing general relativity. <i>Physical Review D</i> , 2018, 97, .	4.7	44
15	Gravitational wave constraints on dark sector models. <i>Physical Review D</i> , 2018, 98, .	4.7	43
16	The Cusp/Core problem: supernovae feedback versus the baryonic clumps and dynamical friction model. <i>Astrophysics and Space Science</i> , 2016, 361, 1.	1.4	42
17	Testing the reliability of weak lensing cluster detections. <i>Astronomy and Astrophysics</i> , 2007, 471, 731-742.	5.1	33
18	A high precision semi-analytic mass function. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 032-032.	5.4	26

#	ARTICLE	IF	CITATIONS
19	Evolution of spherical overdensities in holographic dark energy models. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1873-1884.	4.4	25
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	Relativistic virialization in the spherical collapse model for Einstein-de Sitter and Λ CDM cosmologies. Physical Review D, 2012, 86, .	4.7	23
22	Approximation of the potential in scalar field dark energy models. Physical Review D, 2016, 94, .	4.7	23
23	Cosmological perturbation theory in generalized Einstein-Aether models. Physical Review D, 2017, 96, .	4.7	23
24	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
25	Growth of spherical overdensities in scalar-tensor cosmologies. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3795-3807.	4.4	21
26	Constraints on shear and rotation with massive galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2017, 465, 2687-2697.	4.4	21
27	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
28	Do cosmological data rule out $f(R)$ with $w \approx -1$? Physical Review D, 2018, 97, .	4.7	18
29	Ray-tracing simulations of coupled dark energy models. Monthly Notices of the Royal Astronomical Society, 2015, 447, 858-874.	4.4	17
30	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
31	Mass-temperature relation in Λ CDM and modified gravity. Physical Review D, 2019, 100, .	4.7	15
32	Comparison of different approaches to the quasi-static approximation in Horndeski models. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 017.	5.4	14
33	Testing generalized logotropic models with cosmic growth. Physical Review D, 2021, 104, .	4.7	14
34	Can observational growth rate data favor the clustering dark energy models?. Astrophysics and Space Science, 2015, 356, 129-135.	1.4	13
35	Energy transfer from baryons to dark matter as a unified solution to small-scale structure issues of the Λ CDM model. Physical Review D, 2018, 98, .	4.7	12
36	Dark sector evolution in Horndeski models. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 018-018.	5.4	12

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37	Cosmologically viable generalized Einstein-aether theories. <i>Physical Review D</i> , 2019, 99, .	4.7	12
38	Statistical properties of SZ and X-ray cluster detections. <i>Astronomy and Astrophysics</i> , 2008, 483, 389-400.	5.1	12
39	Constraints on $\hat{\Omega}_m$ and \hat{f}_8 from the potential-based cluster temperature function. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 1687-1696.	4.4	11
40	Spherical collapse of dark matter haloes in tidal gravitational fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 429-440.	4.4	10
41	Cosmological gravity on all scales. Part II. Model independent modified gravity N-body simulations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 016.	5.4	10
42	Growth of non-linear structures and spherical collapse in the Galileon Ghost Condensate model. <i>Physics of the Dark Universe</i> , 2020, 30, 100686.	4.9	9
43	The effect of primordial non-Gaussianity on the skeleton of cosmic shear maps. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 416, 3098-3107.	4.4	7
44	Intrinsic size correlations in weak lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 2059-2068.	4.4	6
45	Hydrodynamical chemistry simulations of the Sunyaev-Zel'dovich effect and the impacts from primordial non-Gaussianities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 1308-1317.	4.4	5
46	Effects of tidal gravitational fields in clustering dark energy models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 1839-1847.	4.4	5
47	Shear and vorticity in the spherical collapse of dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 4558-4565.	4.4	5
48	Spherical collapse in generalized dark matter models. <i>Physical Review D</i> , 2020, 102, .	4.7	5
49	Bounded scalar perturbations in bouncing brane world cosmologies. <i>Physical Review D</i> , 2013, 88, .	4.7	4
50	The importance of the cosmic web and halo substructure for power spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 708-723.	4.4	3
51	A 3D Phase Space Analysis of Scalar Field Potentials. <i>Universe</i> , 2022, 8, 145.	2.5	1
52	Tidal virialization of dark matter haloes with clustering dark energy. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 014.	5.4	1