

Daniele Bertacca

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,494
citations

201674

27
h-index

189892

50
g-index

51
all docs

51
docs citations

51
times ranked

1681
citing authors

#	ARTICLE	IF	CITATIONS
1	Breaking the single clock symmetry: Measuring single-field inflation non-Gaussian features. <i>Physical Review D</i> , 2022, 105, .	4.7	0
2	CLASS_GWB: robust modeling of the astrophysical gravitational wave background anisotropies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 030.	5.4	24
3	New horizons for fundamental physics with LISA. <i>Living Reviews in Relativity</i> , 2022, 25, .	26.7	82
4	Detecting dark energy fluctuations with gravitational waves. <i>Physical Review D</i> , 2021, 103, .	4.7	11
5	Gravitational-wave cosmological distances in scalar-tensor theories of gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 050.	5.4	14
6	The large-scale monopole of the power spectrum in a Euclid-like survey: wide-angle effects, lensing, and the "finger of the observer"™. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 1626-1645.	4.4	7
7	The Kaiser-Rocket effect: three decades and counting. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 027.	5.4	4
8	Projection effects on the observed angular spectrum of the astrophysical stochastic gravitational wave background. <i>Physical Review D</i> , 2020, 101, .	4.7	50
9	Characterizing the cosmological gravitational wave background: Anisotropies and non-Gaussianity. <i>Physical Review D</i> , 2020, 102, .	4.7	55
10	Science case for the Einstein telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 050-050.	5.4	602
11	Cosmology with Phase 1 of the Square Kilometre Array Red Book 2018: Technical specifications and performance forecasts. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	3.4	195
12	Gravitational waves and geometrical optics in scalar-tensor theories. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 040-040.	5.4	21
13	Generalization of the Kaiser Rocket effect in general relativity in the wide-angle galaxy 2-point correlation function. <i>International Journal of Modern Physics D</i> , 2020, 29, 2050085.	2.1	7
14	Testing modified gravity at cosmological distances with LISA standard sirens. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 024-024.	5.4	129
15	Does quartessence ease cosmic tensions?. <i>Physics of the Dark Universe</i> , 2019, 23, 100247.	4.9	20
16	Relativistic wide-angle galaxy bispectrum on the light cone. <i>Physical Review D</i> , 2018, 97, .	4.7	28
17	Doppler term in the galaxy two-point correlation function: Wide-angle, velocity, Doppler lensing and cosmic acceleration effects. <i>Physics of the Dark Universe</i> , 2018, 19, 109-123.	4.9	28
18	Cosmological perturbation effects on gravitational-wave luminosity distance estimates. <i>Physics of the Dark Universe</i> , 2018, 20, 32-40.	4.9	39

#	ARTICLE	IF	CITATIONS
19	Cosmic degeneracies III: N-body simulations of interacting dark energy with non-Gaussian initial conditions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 2933-2945.	4.4	5
20	The observed galaxy bispectrum from single-field inflation in the squeezed limit. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 050-050.	5.4	24
21	Future constraints on angle-dependent non-Gaussianity from large radio surveys. <i>Physics of the Dark Universe</i> , 2017, 15, 35-46.	4.9	20
22	Disentangling the effects of Doppler velocity and primordial non-Gaussianity in galaxy power spectra. <i>Physical Review D</i> , 2017, 96, .	4.7	24
23	liger: mock relativistic light cones from Newtonian simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 3899-3914.	4.4	37
24	Cosmological measurements with general relativistic galaxy correlations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 009-009.	5.4	57
25	A relativistic signature in large-scale structure. <i>Physics of the Dark Universe</i> , 2016, 13, 30-34.	4.9	26
26	Lagrangian theory for cosmic structure formation with vorticity: Newtonian and post-Friedmann approximations. <i>Physical Review D</i> , 2016, 94, .	4.7	17
27	Lensing and time-delay contributions to galaxy correlations. <i>General Relativity and Gravitation</i> , 2016, 48, 1.	2.0	27
28	Missing link: A nonlinear post-Friedmann framework for small and large scales. <i>Physical Review D</i> , 2015, 92, .	4.7	44
29	Observed galaxy number counts on the light cone up to second order: III. Magnification bias. <i>Classical and Quantum Gravity</i> , 2015, 32, 195011.	4.0	27
30	Probing the imprint of interacting dark energy on very large scales. <i>Physical Review D</i> , 2015, 91, .	4.7	40
31	Galaxy bias and gauges at second order in general relativity. <i>Classical and Quantum Gravity</i> , 2015, 32, 175019.	4.0	25
32	Large-scale 3D galaxy correlation function and non-Gaussianity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 022-022.	5.4	51
33	Observed galaxy number counts on the lightcone up to second order: I. Main result. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 037-037.	5.4	67
34	Degeneracy between primordial non-Gaussianity and interaction in the dark sector. <i>Physical Review D</i> , 2014, 90, .	4.7	6
35	Observed galaxy number counts on the lightcone up to second order: II. Derivation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 013-013.	5.4	47
36	Clustering of quintessence on horizon scales and its imprint on HI intensity mapping. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 015-015.	5.4	22

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37	Matter bispectrum in cubic Galileon cosmologies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 034-034.	5.4	48
38	Testing gravity using large-scale redshift-space distortions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 89-100.	4.4	41
39	Beyond the plane-parallel and Newtonian approach: wide-angle redshift distortions and convergence in general relativity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 025-025.	5.4	92
40	A new approach to cosmological perturbations in $f(R)$ models. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 021-021.	5.4	7
41	Measuring unified dark matter with 3D cosmic shear. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 399-409.	4.4	22
42	CMB-galaxy correlation in Unified Dark Matter scalar field cosmologies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 039-039.	5.4	18
43	Unified Dark Matter scalar field models with fast transition. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 018-018.	5.4	29
44	GRAVITATIONAL POTENTIAL EVOLUTION IN UNIFIED DARK MATTER SCALAR FIELD COSMOLOGIES: AN ANALYTICAL APPROACH. <i>Modern Physics Letters A</i> , 2011, 26, 2277-2286.	1.2	3
45	Unified Dark Matter Scalar Field Models. <i>Advances in Astronomy</i> , 2010, 2010, 1-29.	1.1	74
46	Unified Dark Matter models with fast transition. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 014-014.	5.4	38
47	Weak lensing signal in unified dark matter models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 399, 1995-2003.	4.4	30
48	Halos of unified dark matter scalar field. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 005.	5.4	23
49	How the scalar field of unified dark matter models can cluster. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 023.	5.4	55
50	The integrated Sachs-Wolfe effect in unified dark matter scalar field cosmologies: an analytical approach. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 026-026.	5.4	38
51	UNIFIED DARK MATTER IN SCALAR FIELD COSMOLOGIES. <i>Modern Physics Letters A</i> , 2007, 22, 2893-2907.	1.2	94