Daniele Bertacca

List of Publications by Year
in descending order

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	Science case for the Einstein telescope. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 050-050.	5.4	602
2	Cosmology with Phase 1 of the Square Kilometre Array Red Book 2018: Technical specifications and performance forecasts. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	195
3	Testing modified gravity at cosmological distances with LISA standard sirens. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 024-024.	5.4	129
4	UNIFIED DARK MATTER IN SCALAR FIELD COSMOLOGIES. Modern Physics Letters A, 2007, 22, 2893-2907.	1.2	94
5	Beyond the plane-parallel and Newtonian approach: wide-angle redshift distortions and convergence in general relativity. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 025-025.	5.4	92
6	New horizons for fundamental physics with LISA. Living Reviews in Relativity, 2022, 25, .	26.7	82
7	Unified Dark Matter Scalar Field Models. Advances in Astronomy, 2010, 2010, 1-29.	1.1	74
8	Observed galaxy number counts on the lightcone up to second order: I. Main result. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 037-037.	5.4	67
9	Cosmological measurements with general relativistic galaxy correlations. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 009-009.	5.4	57
10	How the scalar field of unified dark matter models can cluster. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 023.	5.4	55
11	Characterizing the cosmological gravitational wave background: Anisotropies and non-Gaussianity. Physical Review D, 2020, 102, .	4.7	55
12	Large-scale 3D galaxy correlation function and non-Gaussianity. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 022-022.	5.4	51
13	Projection effects on the observed angular spectrum of the astrophysical stochastic gravitational wave background. Physical Review D, 2020, 101, .	4.7	50
14	Matter bispectrum in cubic Galileon cosmologies. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 034-034.	5.4	48
15	Observed galaxy number counts on the lightcone up to second order: II. Derivation. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 013-013.	5.4	47
16	Missing link: A nonlinear post-Friedmann framework for small and large scales. Physical Review D, 2015, 92, .	4.7	44
17	Testing gravity using large-scale redshift-space distortions. Monthly Notices of the Royal Astronomical Society, 2013, 436, 89-100.	4.4	41
18	Probing the imprint of interacting dark energy on very large scales. Physical Review D, 2015, 91, .	4.7	40

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19	Cosmological perturbation effects on gravitational-wave luminosity distance estimates. Physics of the Dark Universe, 2018, 20, 32-40.	4.9	39
20	The integrated Sachsâ€“Wolfe effect in unified dark matter scalar field cosmologies: an analytical approach. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 026-026.	5.4	38
21	Unified Dark Matter models with fast transition. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 014-014.	5.4	38
22	liger: mock relativistic light cones from Newtonian simulations. Monthly Notices of the Royal Astronomical Society, 2017, 471, 3899-3914.	4.4	37
23	Weak lensing signal in unified dark matter models. Monthly Notices of the Royal Astronomical Society, 2009, 399, 1995-2003.	4.4	30
24	Unified Dark Matter scalar field models with fast transition. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 018-018.	5.4	29
25	Relativistic wide-angle galaxy bispectrum on the light cone. Physical Review D, 2018, 97, .	4.7	28
26	Doppler term in the galaxy two-point correlation function: Wide-angle, velocity, Doppler lensing and cosmic acceleration effects. Physics of the Dark Universe, 2018, 19, 109-123.	4.9	28
27	Observed galaxy number counts on the light cone up to second order: III. Magnification bias. Classical and Quantum Gravity, 2015, 32, 195011.	4.0	27
28	Lensing and time-delay contributions to galaxy correlations. General Relativity and Gravitation, 2016, 48, 1.	2.0	27
29	A relativistic signature in large-scale structure. Physics of the Dark Universe, 2016, 13, 30-34.	4.9	26
30	Galaxy bias and gauges at second order in general relativity. Classical and Quantum Gravity, 2015, 32, 175019.	4.0	25
31	Disentangling the effects of Doppler velocity and primordial non-Gaussianity in galaxy power spectra. Physical Review D, 2017, 96, .	4.7	24
32	The observed galaxy bispectrum from single-field inflation in the squeezed limit. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 050-050.	5.4	24
33	CLASS_GWB: robust modeling of the astrophysical gravitational wave background anisotropies. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 030.	5.4	24
34	Halos of unified dark matter scalar field. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 005.	5.4	23
35	Measuring unified dark matter with 3D cosmic shear. Monthly Notices of the Royal Astronomical Society, 2011, 415, 399-409.	4.4	22
36	Clustering of quintessence on horizon scales and its imprint on HI intensity mapping. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 015-015.	5.4	22

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37	Gravitational waves and geometrical optics in scalar-tensor theories. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 040-040.	5.4	21
38	Future constraints on angle-dependent non-Gaussianity from large radio surveys. Physics of the Dark Universe, 2017, 15, 35-46.	4.9	20
39	Does quartessence ease cosmic tensions?. Physics of the Dark Universe, 2019, 23, 100247.	4.9	20
40	CMB-galaxy correlation in Unified Dark Matter scalar field cosmologies. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 039-039.	5.4	18
41	Lagrangian theory for cosmic structure formation with vorticity: Newtonian and post-Friedmann approximations. Physical Review D, 2016, 94, .	4.7	17
42	Gravitational-wave cosmological distances in scalar-tensor theories of gravity. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 050.	5.4	14
43	Detecting dark energy fluctuations with gravitational waves. Physical Review D, 2021, 103, .	4.7	11
44	A new approach to cosmological perturbations inf(R) models. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 021-021.	5.4	7
45	The large-scale monopole of the power spectrum in a Euclid-like survey: wide-angle effects, lensing, and the â€˜finger of the observerâ€™. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1626-1645.	4.4	7
46	Generalization of the Kaiser Rocket effect in general relativity in the wide-angle galaxy 2-point correlation function. International Journal of Modern Physics D, 2020, 29, 2050085.	2.1	7
47	Degeneracy between primordial non-Gaussianity and interaction in the dark sector. Physical Review D, 2014, 90, .	4.7	6
48	Cosmic degeneracies III: N-body simulations of interacting dark energy with non-Gaussian initial conditions. Monthly Notices of the Royal Astronomical Society, 2018, 481, 2933-2945.	4.4	5
49	The Kaiser-Rocket effect: three decades and counting. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 027.	5.4	4
50	GRAVITATIONAL POTENTIAL EVOLUTION IN UNIFIED DARK MATTER SCALAR FIELD COSMOLOGIES: AN ANALYTICAL APPROACH. Modern Physics Letters A, 2011, 26, 2277-2286.	1.2	3
51	Breaking the single clock symmetry: Measuring single-field inflation non-Gaussian features. Physical Review D, 2022, 105, .	4.7	0