

Camille Bonvin

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

3,192
citations

257101

24
h-index

329751

37
g-index

37
all docs

37
docs citations

37
times ranked

2313
citing authors

#	ARTICLE	IF	CITATIONS
1	Cosmology and Fundamental Physics with the Euclid Satellite. Living Reviews in Relativity, 2013, 16, 6.	8.2	683
2	Cosmology and fundamental physics with the Euclid satellite. Living Reviews in Relativity, 2018, 21, 2.	8.2	602
3	What galaxy surveys really measure. Physical Review D, 2011, 84, .	1.6	351
4	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, .	1.3	195
5	Fluctuations of the luminosity distance. Physical Review D, 2006, 73, .	1.6	154
6	Testing general relativity with 21-cm intensity mapping. Physical Review D, 2013, 87, .	1.6	133
7	Dipole of the Luminosity Distance: A Direct Measure of $H(z)$. Physical Review Letters, 2006, 96, 191302.	2.9	100
8	Asymmetric galaxy correlation functions. Physical Review D, 2014, 89, .	1.6	81
9	Full-sky lensing shear at second order. Physical Review D, 2010, 81, .	1.6	74
10	Effect of peculiar motion in weak lensing. Physical Review D, 2008, 78, .	1.6	58
11	Measurement of the dipole in the cross-correlation function of galaxies. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 032-032.	1.9	56
12	Effect of matter structure on the gravitational waveform. Physical Review D, 2017, 95, .	1.6	53
13	Isolating relativistic effects in large-scale structure. Classical and Quantum Gravity, 2014, 31, 234002.	1.5	49
14	Can Primordial Magnetic Fields be the Origin of the BICEP2 Data?. Physical Review Letters, 2014, 112, 191303.	2.9	44
15	Testing the equivalence principle on cosmological scales. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 061-061.	1.9	43
16	Optimising the measurement of relativistic distortions in large-scale structure. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 021-021.	1.9	42
17	Cosmic shear bispectrum from second-order perturbations in general relativity. Physical Review D, 2012, 86, .	1.6	40
18	Peculiar acceleration of stellar-origin black hole binaries: Measurement and biases with LISA. Physical Review D, 2020, 101, .	1.6	39

#	ARTICLE	IF	CITATIONS
19	Measuring cosmic velocities with 21 \hat{A} cm intensity mapping and galaxy redshift survey cross-correlation dipoles. <i>Physical Review D</i> , 2017, 95, .	1.6	34
20	Magnetic fields from inflation: The transition to the radiation era. <i>Physical Review D</i> , 2012, 86, .	1.6	31
21	Magnetic fields from inflation: The CMB temperature anisotropies. <i>Physical Review D</i> , 2013, 88, .	1.6	31
22	CMB temperature anisotropy at large scales induced by a causal primordial magnetic field. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 022-022.	1.9	26
23	Dipolar modulation in the size of galaxies: the effect of Doppler magnification. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 3936-3951.	1.6	26
24	On the importance of lensing for galaxy clustering in photometric and spectroscopic surveys. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 055.	1.9	25
25	COFFE: a code for the full-sky relativistic galaxy correlation function. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 032-032.	1.9	23
26	THREE-POINT PHASE CORRELATIONS: A NEW MEASURE OF NONLINEAR LARGE-SCALE STRUCTURE. <i>Astrophysical Journal</i> , 2015, 804, 132.	1.6	21
27	On the kinematic cosmic dipole tension. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3895-3905.	1.6	21
28	New Estimator for Gravitational Lensing Using Galaxy and Intensity Mapping Surveys. <i>Physical Review Letters</i> , 2020, 124, 031101.	2.9	14
29	A null test of the equivalence principle using relativistic effects in galaxy surveys. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 004-004.	1.9	13
30	A null test to probe the scale dependence of the growth of structure as a test of general relativity. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 492, L34-L39.	1.2	12
31	Cosmological constraints from Fourier phase statistics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 2743-2753.	1.6	8
32	Full-sky weak lensing: a nonlinear post-Friedmann treatment. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 045-045.	1.9	8
33	Testing general relativity with the Doppler magnification effect. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 3759-3771.	1.6	8
34	Redshift-space distortions from vector perturbations. II. Anisotropic signal. <i>Physical Review D</i> , 2018, 98, .	1.6	6
35	Probing redshift-space distortions with phase correlations. <i>Physical Review D</i> , 2019, 99, .	1.6	6
36	Constraining the growth rate of structure with phase correlations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 1765-1790.	1.6	6