

Carlo R Contaldi

List of Publications by Year in descending order

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49
papers

1,994
citations

331670

21
h-index

233421

45
g-index

49
all docs

49
docs citations

49
times ranked

1504
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of maximum-likelihood mapping methods for gravitational-wave backgrounds. Physical Review D, 2022, 105, .	4.7	7
2	All-sky analysis of astrochronometric signals induced by gravitational waves. Physical Review D, 2022, 105, .	4.7	1
3	A Simulation-based Method for Correcting Mode Coupling in CMB Angular Power Spectra. Astrophysical Journal, 2022, 928, 109.	4.5	2
4	High angular resolution gravitational wave astronomy. Experimental Astronomy, 2021, 51, 1441-1470.	3.7	21
5	Geodesic noise and gravitational wave observations by pulsar timing arrays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 818, 136381.	4.1	0
6	The XFaster Power Spectrum and Likelihood Estimator for the Analysis of Cosmic Microwave Background Maps. Astrophysical Journal, 2021, 922, 132.	4.5	2
7	Phase decoherence of gravitational wave backgrounds. Physical Review D, 2020, 102, .	4.7	11
8	Maximum likelihood map making with the Laser Interferometer Space Antenna. Physical Review D, 2020, 102, .	4.7	28
9	Noise angular power spectrum of gravitational wave background experiments. Physical Review D, 2020, 101, .	4.7	36
10	Gravitational-Wave Background Sky Maps from Advanced LIGO O1 Data. Physical Review Letters, 2019, 122, 081102.	7.8	21
11	Unsqueezeing of standing waves due to inflationary domain structure. Physical Review D, 2018, 98, .	4.7	6
12	IMAGING PARITY-VIOLATING MODES IN THE CMB. Astronomical Journal, 2017, 153, 41.	4.7	1
13	Anisotropies of gravitational wave backgrounds: A line of sight approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 9-12.	4.1	77
14	A New Limit on CMB Circular Polarization from SPIDER. Astrophysical Journal, 2017, 844, 151.	4.5	40
15	Mapping weak lensing distortions in the Kerr metric. Physical Review D, 2017, 95, .	4.7	5
16	A cryogenic rotation stage with a large clear aperture for the half-wave plates in the Spider instrument. Review of Scientific Instruments, 2016, 87, 014501.	1.3	16
17	Imaging cosmic polarization rotation. International Journal of Modern Physics D, 2016, 25, 1640014.	2.1	4
18	PLANCK and WMAP constraints on generalised Hubble flow inflationary trajectories. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 050-050.	5.4	4

#	ARTICLE	IF	CITATIONS
19	Suppressing the impact of a high tensor-to-scalar ratio on the temperature anisotropies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 014-014.	5.4	49
20	BICEP's acceleration. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 072-072.	5.4	5
21	Non-gaussian signatures of general inflationary trajectories. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 001-001.	5.4	10
22	Testing model independent modified gravity with future large scale surveys. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 013-013.	5.4	11
23	Inflationary perturbations in Palatini generalized gravity. <i>Physical Review D</i> , 2011, 83, .	4.7	58
24	Modeling and characterization of the SPIDER half-wave plate. <i>Proceedings of SPIE</i> , 2010, , .	0.8	19
25	Reconstruction of the primordial power spectrum by direct inversion. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 016-016.	5.4	44
26	Polarization diffusion from spacetime uncertainty. <i>Classical and Quantum Gravity</i> , 2010, 27, 172001.	4.0	9
27	Reconstruction of the primordial power spectrum using temperature and polarisation data from multiple experiments. <i>Journal of Cosmology and Astroparticle Physics</i> , 2009, 2009, 011-011.	5.4	66
28	Instability of the Ackerman-Carroll-Wise model, and problems with massive vectors during inflation. <i>Physical Review D</i> , 2009, 79, .	4.7	111
29	Rotation of Galaxies as a Signature of Cosmic Strings in Weak Lensing Surveys. <i>Physical Review Letters</i> , 2009, 103, 181301.	7.8	20
30	Ghost instabilities of cosmological models with vector fields nonminimally coupled to the curvature. <i>Physical Review D</i> , 2009, 80, .	4.7	121
31	Instability of Anisotropic Cosmological Solutions Supported by Vector Fields. <i>Physical Review Letters</i> , 2009, 102, 111301.	7.8	172
32	Anomalous Cosmic-Microwave-Background Polarization and Gravitational Chirality. <i>Physical Review Letters</i> , 2008, 101, 141101.	7.8	86
33	TeV _S gets caught on caustics. <i>Physical Review D</i> , 2008, 78, .	4.7	55
34	The large scale cosmic microwave background cut-off and the tensor-to-scalar ratio. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 002.	5.4	29
35	CMB ANOMALIES FROM RELIC ANISOTROPY. , 2008, , .		5
36	Holography and the scale invariance of density fluctuations. <i>Classical and Quantum Gravity</i> , 2007, 24, 3691-3699.	4.0	30

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37	Inflationary perturbations in anisotropic backgrounds and their imprint on the cosmic microwave background. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 005-005.	5.4	147
38	Non-Gaussian foreground residuals of the WMAP first-year maps. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 367, 39-45.	4.4	13
39	Cosmic microwave background observations from the Cosmic Background Imager and Very Small Array: a comparison of coincident maps and parameter estimation methods. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 363, 1125-1135.	4.4	7
40	Gravitational instability of de Sitter compactifications. <i>Journal of Cosmology and Astroparticle Physics</i> , 2004, 2004, 007-007.	5.4	17
41	Cosmic Microwave Background and Inflation Parameters. <i>International Journal of Theoretical Physics</i> , 2004, 43, 599-622.	1.2	20
42	Joint Cosmic Microwave Background and Weak Lensing Analysis: Constraints on Cosmological Parameters. <i>Physical Review Letters</i> , 2003, 90, 221303.	7.8	94
43	Suppressing the lower multipoles in the CMB anisotropies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2003, 2003, 002-002.	5.4	313
44	The Cosmic Microwave Background & Inflation, Then & Now. <i>AIP Conference Proceedings</i> , 2002, , .	0.4	2
45	Generating non-Gaussian maps with a given power spectrum and bispectrum. <i>Physical Review D</i> , 2001, 63, .	4.7	22
46	Structure formation with strings plus inflation: a new paradigm. , 1999, , .		2
47	Cosmic Microwave Background and Density Fluctuations from Strings plus Inflation. <i>Physical Review Letters</i> , 1999, 82, 2034-2037.	7.8	69
48	Power Spectra of the Cosmic Microwave Background and Density Fluctuations Seeded by Local Cosmic Strings. <i>Physical Review Letters</i> , 1999, 82, 679-682.	7.8	79
49	Photographing the wave function of the Universe. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 468, 189-194.	4.1	27