

# Carlo Burigana

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

438  
citations

1163117  
8  
h-index

839539  
18  
g-index

33  
all docs

33  
docs citations

33  
times ranked

825  
citing authors

#	ARTICLE	IF	CITATIONS
1	PRISM (Polarized Radiation Imaging and Spectroscopy Mission): an extended white paper. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 006-006.	5.4	138
2	<i>Euclid</i> preparation: II. The <i>Euclid</i> Emulator – a tool to compute the cosmology dependence of the nonlinear matter power spectrum. Monthly Notices of the Royal Astronomical Society, 2019, 484, 5509-5529.	4.4	117
3	B-Pol: detecting primordial gravitational waves generated during inflation. Experimental Astronomy, 2009, 23, 5-16.	3.7	40
4	Large scale alignment anomalies of CMB anisotropies: a new test for residuals applied to WMAP 5yr maps. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 004-004.	5.4	27
5	On the impact of large angle CMB polarization data on cosmological parameters. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 041-041.	5.4	15
6	Microwave spectro-polarimetry of matter and radiation across space and time. Experimental Astronomy, 2021, 51, 1471-1514.	3.7	15
7	Galactic Foreground Contribution to the BEAST Cosmic Microwave Background Anisotropy Maps. Astrophysical Journal, Supplement Series, 2005, 158, 109-117.	7.7	12
8	Possible nonequilibrium imprint in the cosmic background at low frequencies. Physical Review Research, 2020, 2, .	3.6	10
9	The Planck On-the-Flight Forecaster (POFF). New Astronomy, 2010, 15, 678-687.	1.8	8
10	Theoretical aspects of the CMB spectrum. , 1994, , 28-51.		8
11	Search for candidate strongly lensed dusty galaxies in the <i>Planck</i> satellite catalogues. Astronomy and Astrophysics, 2021, 653, A151.	5.1	7
12	On the Transits of Solar System Objects in the Forthcoming Planck Mission: Data Flagging and Coeval Multi-Frequency Observations. Earth, Moon and Planets, 2009, 105, 81-88.	0.6	6
13	How accurately can we measure the hydrogen $2S \rightarrow 1S$ transition rate from the cosmological data?. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 040-040.	5.4	6
14	RECENT DEVELOPMENTS IN ASTROPHYSICAL AND COSMOLOGICAL EXPLOITATION OF MICROWAVE SURVEYS. International Journal of Modern Physics D, 2013, 22, 1330011.	2.1	6
15	Analysis of the pseudocorrelation radiometers for the low frequency instrument onboard the PLANCK satellite. , 2004, 5498, 756.		5
16	Galaxy clusters as probes for cosmology and dark matter. International Journal of Modern Physics D, 2016, 25, 1630023.	2.1	5
17	Extragalactic Astrophysics With Next-Generation CMB Experiments. Frontiers in Astronomy and Space Sciences, 2019, 6, .	2.8	5
18	Imprints on CMB Angular Power Spectrum Modes from Cosmological Reionization. Journal of Modern Physics, 2012, 03, 1918-1944.	0.6	4

#	ARTICLE	IF	CITATIONS
19	Polarized foregrounds power spectra vs CMB. AIP Conference Proceedings, 2002, , .	0.4	2
20	THE PLANCK MISSION: RECENT RESULTS, COSMOLOGICAL AND FUNDAMENTAL PHYSICS PERSPECTIVES. International Journal of Modern Physics D, 2013, 22, 1330029.	2.1	1
21	SKA synergy with Microwave Background studies. , 2015, , .		1
22	THE PLANCK MISSION: RECENT RESULTS, COSMOLOGICAL AND FUNDAMENTAL PHYSICS PERSPECTIVES. , 2015, , .		0
23	Perspectives for Cosmological Reionization From Future CMB and Radio Projects. Frontiers in Astronomy and Space Sciences, 2018, 5, .	2.8	0
24	Recent results and perspectives on cosmic backgrounds from radio to far-infrared. International Journal of Modern Physics D, 2019, 28, 1930021.	2.1	0
25	Next Challenges. , 2009, , 429-501.		0
26	From Sputnik to the Moon: Astrophysics and Cosmology from Space. , 2010, , 229-243.		0
27	RECENT DEVELOPMENTS IN ASTROPHYSICAL AND COSMOLOGICAL EXPLOITATION OF MICROWAVE SURVEYS. , 2015, , .		0
28	INTRODUCTORY REMARKS TO COSMIC BACKGROUND PARALLEL SESSIONS.. , 2015, , .		0
29	Square Kilometre Array and cosmic microwave background spectral distortions. , 2017, , .		0
30	Recent results and perspectives on cosmology and fundamental physics from microwave surveys. , 2017, , .		0
31	Galaxy clusters as probes for cosmology and dark matter. , 2017, , .		0
32	Cosmic backgrounds from the radio to the far-infrared: recent results and perspectives from cosmological and astrophysical surveys. International Journal of Modern Physics D, 0, , .	2.1	0