

Carlo Burigana

List of Publications by Year in descending order

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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	Microwave spectro-polarimetry of matter and radiation across space and time. <i>Experimental Astronomy</i> , 2021, 51, 1471-1514.	3.7	15
2	Search for candidate strongly lensed dusty galaxies in the <i>Planck</i> satellite catalogues. <i>Astronomy and Astrophysics</i> , 2021, 653, A151.	5.1	7
3	Possible nonequilibrium imprint in the cosmic background at low frequencies. <i>Physical Review Research</i> , 2020, 2, .	3.6	10
4	Recent results and perspectives on cosmic backgrounds from radio to far-infrared. <i>International Journal of Modern Physics D</i> , 2019, 28, 1930021.	2.1	0
5	<i>Euclid</i> preparation: II. The <scp>EuclidEmulator</scp> â€“ a tool to compute the cosmology dependence of the nonlinear matter power spectrum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 5509-5529.	4.4	117
6	Extragalactic Astrophysics With Next-Generation CMB Experiments. <i>Frontiers in Astronomy and Space Sciences</i> , 2019, 6, .	2.8	5
7	Perspectives for Cosmological Reionization From Future CMB and Radio Projects. <i>Frontiers in Astronomy and Space Sciences</i> , 2018, 5, .	2.8	0
8	On the impact of large angle CMB polarization data on cosmological parameters. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 041-041.	5.4	15
9	Square Kilometre Array and cosmic microwave background spectral distortions. , 2017, , .		0
10	Recent results and perspectives on cosmology and fundamental physics from microwave surveys. , 2017, , .		0
11	Galaxy clusters as probes for cosmology and dark matter. , 2017, , .		0
12	Galaxy clusters as probes for cosmology and dark matter. <i>International Journal of Modern Physics D</i> , 2016, 25, 1630023.	2.1	5
13	THE PLANCK MISSION: RECENT RESULTS, COSMOLOGICAL AND FUNDAMENTAL PHYSICS PERSPECTIVES. , 2015, , .		0
14	SKA synergy with Microwave Background studies. , 2015, , .		1
15	RECENT DEVELOPMENTS IN ASTROPHYSICAL AND COSMOLOGICAL EXPLOITATION OF MICROWAVE SURVEYS. , 2015, , .		0
16	INTRODUCTORY REMARKS TO COSMIC BACKGROUND PARALLEL SESSIONS.. , 2015, , .		0
17	PRISM (Polarized Radiation Imaging and Spectroscopy Mission): an extended white paper. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 006-006.	5.4	138
18	THE PLANCK MISSION: RECENT RESULTS, COSMOLOGICAL AND FUNDAMENTAL PHYSICS PERSPECTIVES. <i>International Journal of Modern Physics D</i> , 2013, 22, 1330029.	2.1	1

#	ARTICLE	IF	CITATIONS
19	RECENT DEVELOPMENTS IN ASTROPHYSICAL AND COSMOLOGICAL EXPLOITATION OF MICROWAVE SURVEYS. International Journal of Modern Physics D, 2013, 22, 1330011.	2.1	6
20	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
21	Imprints on CMB Angular Power Spectrum Modes from Cosmological Reionization. Journal of Modern Physics, 2012, 03, 1918-1944.	0.6	4
22	The Planck On-the-Flight Forecaster (POFF). New Astronomy, 2010, 15, 678-687.	1.8	8
23	From Sputnik to the Moon: Astrophysics and Cosmology from Space. , 2010, , 229-243.		0
24	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
25	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
26	B-Pol: detecting primordial gravitational waves generated during inflation. Experimental Astronomy, 2009, 23, 5-16.	3.7	40
27	Next Challenges. , 2009, , 429-501.		0
28	Galactic Foreground Contribution to the BEAST Cosmic Microwave Background Anisotropy Maps. Astrophysical Journal, Supplement Series, 2005, 158, 109-117.	7.7	12
29	Analysis of the pseudocorrelation radiometers for the low frequency instrument onboard the PLANCK satellite. , 2004, 5498, 756.		5
30	Polarized foregrounds power spectra vs CMB. AIP Conference Proceedings, 2002, , .	0.4	2
31	Theoretical aspects of the CMB spectrum. , 1994, , 28-51.		8
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