

Marcos LÃ³pez-Caniego

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,778
citations

471509

17
h-index

501196

28
g-index

31
all docs

31
docs citations

31
times ranked

3236
citing authors

#	ARTICLE	IF	CITATIONS
1	Joint Analysis of BICEP2/Keck Array and Planck Data. <i>Physical Review Letters</i> , 2015, 114, 101301.	7.8	819
2	The Herschel ATLAS. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 499-515.	3.1	489
3	Planck 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A19.	5.1	273
4	HERSCHEL-ATLAS GALAXY COUNTS AND HIGH-REDSHIFT LUMINOSITY FUNCTIONS: THE FORMATION OF MASSIVE EARLY-TYPE GALAXIES. <i>Astrophysical Journal</i> , 2011, 742, 24.	4.5	151
5	Planck 2013 results. XIII. Galactic CO emission. <i>Astronomy and Astrophysics</i> , 2014, 571, A13.	5.1	144
6	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
7	Herschel-ATLAS: first data release of the Science Demonstration Phase source catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 2336-2348.	4.4	110
8	The Mexican hat wavelet family: application to point-source detection in cosmic microwave background maps. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 369, 1603-1610.	4.4	102
9	Planck 2013 results. X. HFI energetic particle effects: characterization, removal, and simulation. <i>Astronomy and Astrophysics</i> , 2014, 571, A10.	5.1	68
10	Comparison of filters for the detection of point sources in Planck simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 2047-2063.	4.4	63
11	Nonblind Catalog of Extragalactic Point Sources from the Wilkinson Microwave Anisotropy Probe (WMAP). <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 2047-2063.	7.7	58
12	QUIJOTE scientific results I. Measurements of the intensity and polarisation of the anomalous microwave emission in the Perseus molecular complex. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 4169-4182.	4.4	58
13	Blind and non-blind source detection in WMAP 5-yr maps. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 392, 733-742.	4.4	46
14	The Planck-ATCA Co-eval Observations project: the bright sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 1597-1610.	4.4	34
15	Statistical properties of extragalactic sources in the New Extragalactic WMAP Point Source (NEWPS) catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 1597-1610.	4.4	30
16	POLARIZATION OF THE WMAP POINT SOURCES. <i>Astrophysical Journal</i> , 2009, 705, 868-876.	4.5	30
17	A novel multifrequency technique for the detection of point sources in cosmic microwave background maps. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 394, 510-520.	4.4	22
18	Filter design for the detection of compact sources based on the Neyman-Pearson detector. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 359, 993-1006.	4.4	19

#	ARTICLE	IF	CITATIONS
19	The estimation of the Sunyaev-Zel'dovich effects with unbiased multifilters. Monthly Notices of the Royal Astronomical Society, 2005, 356, 944-954.	4.4	17
20	Mining the Herschel-Astrophysical Terahertz Large Area Survey: submillimetre-selected blazars in equatorial fields. Monthly Notices of the Royal Astronomical Society, 2013, 430, 1566-1577.	4.4	17
21	The Planck ATCA Co-eval Observations project: analysis of radio source properties between 5 and 217 GHz. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3249-3262.	4.4	17
22	Detection/estimation of the modulus of a vector. Application to point-source detection in polarization data. Monthly Notices of the Royal Astronomical Society, 2009, 395, 649-656.	4.4	16
23	Approaches to Distributed Execution of Scientific Workflows in Kepler. Fundamenta Informaticae, 2013, 128, 281-302.	0.4	13
24	A multifrequency method based on the matched multifilter for the detection of point sources in CMB maps. Monthly Notices of the Royal Astronomical Society, 2010, 403, 2120-2130.	4.4	12
25	The high-energy gamma-ray detection of G73.9+0.9, a supernova remnant interacting with a molecular cloud. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1451-1458.	4.4	11
26	A Bayesian approach to filter design: detection of compact sources. , 2004, 5299, 145.		6
27	Extragalactic point source detection in Wilkinson Microwave Anisotropy Probe 7-year data at 61 and 94 GHz. Monthly Notices of the Royal Astronomical Society, 2013, 428, 3048-3057.	4.4	6
28	Extragalactic Astrophysics With Next-Generation CMB Experiments. Frontiers in Astronomy and Space Sciences, 2019, 6, .	2.8	5
29	Application Scenarios Using Serpens Suite for Kepler Scientific Workflow System. Procedia Computer Science, 2012, 9, 1604-1613.	2.0	2
30	A Bayesian Approach To Flux Correction In Extragalactic Source Detection. , 2006, , .		1
31	28-40 GHz variability and polarimetry of bright compact sources in the QUIJOTE cosmological fields. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4779-4793.	4.4	1