Laura Bonavera

List of Publications by Year
in descending order

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128 papers	24,860 citations	19608 61 h-index	16127 124 g-index
129 all docs	129 docs citations	129 times ranked	17313 citing authors

#	Article	IF	Citations
1	Galaxy cluster mass density profile derived using the submillimetre galaxies magnification bias. Astronomy and Astrophysics, 2022, 658, A19.	2.1	2
2	Tomography-based observational measurements of the halo mass function via the submillimeter magnification bias. Astronomy and Astrophysics, 2022, 662, A44.	2.1	2
3	Cosmological constraints on the magnification bias on sub-millimetre galaxies after large-scale bias corrections. Astronomy and Astrophysics, 2021, 646, A152.	2.1	9
4	Point source detection with fully convolutional networks. Astronomy and Astrophysics, 2021, 648, A50.	2.1	3
5	Supernova Model Discrimination with Hyper-Kamiokande. Astrophysical Journal, 2021, 916, 15.	1.6	37
6	The K2-OjOS Project: New and revisited planets and candidates in K2 campaigns 5, 16,Â& 18. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1075-1095.	1.6	6
7	Cosmology with the submillimetre galaxies magnification bias. Astronomy and Astrophysics, 2021, 656, A99.	2.1	6
8	A direct and robust method to observationally constrain the halo mass function via the submillimeter magnification bias: Proof of concept. Astronomy and Astrophysics, 2021, 645, A126.	2.1	9
9	A methodology for detecting relevant single nucleotide polymorphism in prostate cancer with multivariate adaptive regression splines and backpropagation artificial neural networks. Neural Computing and Applications, 2020, 32, 1231-1238.	3.2	7
10	Evolution and forecasting of PM10 concentration at the Port of Gijon (Spain). Scientific Reports, 2020, 10, 11716.	1.6	11
11	Planetary candidates transiting cool dwarf stars from campaigns 12 to 15 of K2. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5416-5441.	1.6	10
12	Overdensity of SMGs in fields containing z âˆ¼ 0.3 galaxies: magnification bias and the implications for studies of galaxy evolution. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4635-4649.	1.6	9
13	Effective extraction of high purity sulfur from industrial residue with low sulfur content. Journal of Materials Research and Technology, 2020, 9, 8117-8124.	2.6	6
14	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A2.	2.1	72
15	Cosmology with the submillimetre galaxies magnification bias: Proof of concept. Astronomy and Astrophysics, 2020, 639, A128.	2.1	7
16	Early Fully-Convolutional Approach to Wavefront Imaging on Solar Adaptive Optics Simulations. Lecture Notes in Computer Science, 2020, , 674-685.	1.0	0
17	SHALOS: StatisticalHerschel-ATLAS lensed objects selection. Astronomy and Astrophysics, 2019, 627, A31.	2.1	12
18	Experience with Artificial Neural Networks Applied in Multi-object Adaptive Optics. Publications of the Astronomical Society of the Pacific, 2019, 131, 108012.	1.0	16

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19	ALMA Band 3 polarimetric follow-up of a complete sample of faint PACO sources. Monthly Notices of the Royal Astronomical Society, 2019, 489, 470-486.	1.6	6
20	QSOs sigposting cluster size halos as gravitational lenses: halo mass, projected mass density profile and concentration at zâˆ¼0.7. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 021-021.	1.9	10
21	ALMA photometry of extragalactic radio sources. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1188-1195.	1.6	17
22	Multifrequency filter search for high redshift sources and lensing systems in Herschel-ATLAS. Astronomy and Astrophysics, 2019, 622, A106.	2.1	1
23	Extragalactic Astrophysics With Next-Generation CMB Experiments. Frontiers in Astronomy and Space Sciences, 2019, 6, .	1.1	5
24	Exploring cosmic origins with CORE: Extragalactic sources in cosmic microwave background maps. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 020-020.	1.9	20
25	Planck intermediate results. Astronomy and Astrophysics, 2018, 619, A94.	2.1	18
26	Forecasting the Contribution of Polarized Extragalactic Radio Sources in CMBÂObservations. Astrophysical Journal, 2018, 858, 85.	1.6	23
27	Characterization of polarimetric and total intensity behaviour of a complete sample of PACO radio sources in the radio bands. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1306-1322.	1.6	13
28	Compensating Atmospheric Turbulence with Convolutional Neural Networks for Defocused Pupil Image Wave-Front Sensors. Lecture Notes in Computer Science, 2018, , 411-421.	1.0	2
29	Planck intermediate results. Astronomy and Astrophysics, 2017, 599, A51.	2.1	46
30	H-ATLAS/GAMA: magnification bias tomography. Astrophysical constraints above âˆ¼1 arcmin. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 024-024.	1.9	20
31	Statistics of the fractional polarization of extragalactic dusty sources in Planck HFI maps. Monthly Notices of the Royal Astronomical Society, 2017, 472, 628-635.	1.6	13
32	Can CMB Surveys Help the AGN Community?. Galaxies, 2017, 5, 47.	1.1	3
33	Statistics of the fractional polarization of compact radio sources in Planck maps. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2401-2411.	1.6	24
34	Multifrequency polarimetry of a complete sample of PACO radio sources. Monthly Notices of the Royal Astronomical Society, 2017, 465, 4085-4098.	1.6	16
35	Planck intermediate results. Astronomy and Astrophysics, 2017, 607, A95.	2.1	131
36	Planckintermediate results. Astronomy and Astrophysics, 2017, 607, A122.	2.1	24

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37	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A140.	2.1	89
38	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A28.	2.1	134
39	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A7.	2.1	94
40	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A10.	2.1	384
41	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A23.	2.1	89
42	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A12.	2.1	117
43	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A24.	2.1	525
44	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A132.	2.1	109
45	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A6.	2.1	62
46	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A2.	2.1	79
47	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A8.	2.1	209
48	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A9.	2.1	182
49	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A141.	2.1	55
50	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A100.	2.1	44
51	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A5.	2.1	55
52	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A4.	2.1	56
53	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A18.	2.1	69
54	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A21.	2.1	114

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55	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A3.	2.1	53
56	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A19.	2.1	273
57	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A16.	2.1	338
58	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A20.	2.1	1,233
59	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A101.	2.1	24
60	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A105.	2.1	47
61	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A27.	2.1	535
62	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A138.	2.1	270
63	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A1.	2.1	738
64	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A108.	2.1	375
65	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A14.	2.1	568
66	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A15.	2.1	360
67	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A25.	2.1	153
68	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A103.	2.1	89
69	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A133.	2.1	173
70	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A137.	2.1	27
71	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A109.	2.1	185
72	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A13.	2.1	8,344

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73	On the recovery of ISW fluctuations using large-scale structure tracers and CMB temperature and polarization anisotropies. Monthly Notices of the Royal Astronomical Society, 2016, 459, 657-672.	1.6	5
74	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A22.	2.1	274
75	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A106.	2.1	23
76	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A102.	2.1	25
77	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A110.	2.1	64
78	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A135.	2.1	109
79	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A136.	2.1	72
80	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A26.	2.1	182
81	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A107.	2.1	359
82	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A139.	2.1	32
83	ThePlanckâ€“ATCA Co-eval Observations project: analysis of radio source properties between 5 and 217ÂGHz. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3249-3262.	1.6	17
84	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A17.	2.1	440
85	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A11.	2.1	613
86	The ASKAP/EMU Source Finding Data Challenge. Publications of the Astronomical Society of Australia, 2015, 32, .	1.3	39
87	Planckintermediate results. XXVI. Optical identification and redshifts ofPlanckclusters with the RTT150 telescope. Astronomy and Astrophysics, 2015, 582, A29.	2.1	46
88	Planckintermediate results. Astronomy and Astrophysics, 2015, 582, A30.	2.1	72
89	Planckintermediate results. Astronomy and Astrophysics, 2015, 582, A31.	2.1	59
90	Planckintermediate results. Astronomy and Astrophysics, 2015, 582, A28.	2.1	33

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91	Joint Analysis of BICEP2/Keck ArrayandPlanckData. Physical Review Letters, 2015, 114, 101301.	2.9	819
92	Extragalactic sources in Cosmic Microwave Background maps. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 018-018.	1.9	13
93	Planck2013 results. V. LFI calibration. Astronomy and Astrophysics, 2014, 571, A5.	2.1	67
94	Planck2013 results. III. LFI systematic uncertainties. Astronomy and Astrophysics, 2014, 571, A3.	2.1	54
95	Planck2013 results. XII. Diffuse component separation. Astronomy and Astrophysics, 2014, 571, A12.	2.1	216
96	Planck2013 results. I. Overview of products and scientific results. Astronomy and Astrophysics, 2014, 571, A1.	2.1	948
97	Planck2013 results. XXV. Searches for cosmic strings and other topological defects. Astronomy and Astrophysics, 2014, 571, A25.	2.1	223
98	Planck2013 results. XV. CMB power spectra and likelihood. Astronomy and Astrophysics, 2014, 571, A15.	2.1	364
99	Planck2013 results. XXVIII. ThePlanckCatalogue of Compact Sources. Astronomy and Astrophysics, 2014, 571, A28.	2.1	162
100	Planck2013 results. XIX. The integrated Sachs-Wolfe effect. Astronomy and Astrophysics, 2014, 571, A19.	2.1	126
101	Planck2013 results. XXIII. Isotropy and statistics of the CMB. Astronomy and Astrophysics, 2014, 571, A23.	2.1	367
102	Planck2013 results. XXVI. Background geometry and topology of the Universe. Astronomy and Astrophysics, 2014, 571, A26.	2.1	91
103	Planck2013 results. II. Low Frequency Instrument data processing. Astronomy and Astrophysics, 2014, 571, A2.	2.1	74
104	Planck2013 results. XVII. Gravitational lensing by large-scale structure. Astronomy and Astrophysics, 2014, 571, A17.	2.1	272
105	Planck2013 results. XXIV. Constraints on primordial non-Gaussianity. Astronomy and Astrophysics, 2014, 571, A24.	2.1	350
106	Dust and star formation properties of a complete sample of local galaxies drawn from the Planck Early Release Compact Source Catalogue. Monthly Notices of the Royal Astronomical Society, 2013, 433, 695-711.	1.6	81
107	The local luminosity function of star-forming galaxies derived from the Planck Early Release Compact Source Catalogue. Monthly Notices of the Royal Astronomical Society, 2013, 429, 1309-1323.	1.6	33
108	The Planck-ATCA Co-eval Observations project: the spectrally selected sample. Monthly Notices of the Royal Astronomical Society, 2013, 428, 1845-1854.	1.6	12

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109	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.	1.6	17
110	Herschel-ATLAS:Plancksources in the phase 1 fields. Astronomy and Astrophysics, 2013, 549, A31.	2.1	26
111	SimultaneousPlanck,Swift, andFermiobservations of X-ray andÎ³-ray selected blazars. Astronomy and Astrophysics, 2012, 541, A160.	2.1	166
112	THE OPTICALLY UNBIASED GRB HOST (TOUGH) SURVEY. VI. RADIO OBSERVATIONS ATzâ‰² 1 AND CONSISTENCY WITH TYPICAL STAR-FORMING GALAXIES. Astrophysical Journal, 2012, 755, 85.	1.6	74
113	Planckintermediate results. Astronomy and Astrophysics, 2012, 543, A102.	2.1	50
114	Planckearly results. XVIII. The power spectrum of cosmic infrared background anisotropies. Astronomy and Astrophysics, 2011, 536, A18.	2.1	180
115	Planckearly results. XIII. Statistical properties of extragalactic radio sources in thePlanckEarly Release Compact Source Catalogue. Astronomy and Astrophysics, 2011, 536, A13.	2.1	103
116	Planckearly results. V. The Low Frequency Instrument data processing. Astronomy and Astrophysics, 2011, 536, A5.	2.1	77
117	Planckearly results. VII. The Early Release Compact Source Catalogue. Astronomy and Astrophysics, 2011, 536, A7.	2.1	224
118	Planckearly results. XIV. ERCSC validation and extreme radio sources. Astronomy and Astrophysics, 2011, 536, A14.	2.1	61
119	Planckearly results. XV. Spectral energy distributions and radio continuum spectra of northern extragalactic radio sources. Astronomy and Astrophysics, 2011, 536, A15.	2.1	93
120	Planckearly results. III. First assessment of the Low Frequency Instrument in-flight performance. Astronomy and Astrophysics, 2011, 536, A3.	2.1	108
121	The Planck-ATCA Co-eval Observations project: the bright sample. Monthly Notices of the Royal Astronomical Society, 2011, 415, 1597-1610.	1.6	34
122	The Planck-ATCA Coeval Observations project: the faint sample. Monthly Notices of the Royal Astronomical Society, 2011, , no-no.	1.6	5
123	The Simultaneous Medicina-Planck Experiment: data acquisition, reduction and first results. Monthly Notices of the Royal Astronomical Society, 2011, 417, 1123-1139.	1.6	9
124	Herschel-ATLAS: Blazars in the science demonstration phase field. Astronomy and Astrophysics, 2010, 518, L38.	2.1	22
125	MITO: A â€œcreative approachâ€•for Sunyaevâ€“Zelâ€™dovich effect observations from ground. New Astronomy Reviews, 2007, 51, 368-373.	5.2	3
126	A transiting super-Earth close to the inner edge of the habitable zone of an M0 dwarf star. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	3

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127	Multi-frequency point source detection with fully convolutional networks: Performance in realistic microwave sky simulations. Astronomy and Astrophysics, 0, , .	2.1	2
128	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, , .	0.9	0