

Francesco Cuttaia

List of Publications by Year in descending order

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128
papers

39,789
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12330

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128
docs citations

128
times ranked

20019
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A13.	5.1	8,344
2	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A6.	5.1	6,722
3	<i>Planck</i> 2013 results. XVI. Cosmological parameters. Astronomy and Astrophysics, 2014, 571, A16.	5.1	4,703
4	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A10.	5.1	1,261
5	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A20.	5.1	1,233
6	Joint Analysis of BICEP2/<i>Keck Array</i> and <i>Planck</i> Data. Physical Review Letters, 2015, 114, 101301.	7.8	819
7	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A1.	5.1	804
8	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A1.	5.1	738
9	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A11.	5.1	613
10	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A14.	5.1	568
11	<i>Planck</i> 2013 results. XI. All-sky model of thermal dust emission. Astronomy and Astrophysics, 2014, 571, A11.	5.1	566
12	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A5.	5.1	558
13	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A27.	5.1	535
14	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A24.	5.1	525
15	<i>Planck</i> 2013 results. XX. Cosmology from Sunyaev-Zeldovich cluster counts. Astronomy and Astrophysics, 2014, 571, A20.	5.1	465
16	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A8.	5.1	400
17	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A10.	5.1	384
18	<i>Planck</i> 2013 results. XXIX. The <i>Planck</i> catalogue of Sunyaev-Zeldovich sources. Astronomy and Astrophysics, 2014, 571, A29.	5.1	380

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19	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 596, A108.	5.1	375
20	<i>Planck</i> 2013 results. XV. CMB power spectra and likelihood. <i>Astronomy and Astrophysics</i> , 2014, 571, A15.	5.1	364
21	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A15.	5.1	360
22	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 596, A107.	5.1	359
23	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A16.	5.1	338
24	<i>Planck</i> early results. XIX. All-sky temperature and dust optical depth from <i>Planck</i> and IRAS. Constraints on the "dark gas" in our Galaxy. <i>Astronomy and Astrophysics</i> , 2011, 536, A19.	5.1	314
25	<i>Planck</i> intermediate results. XIX. An overview of the polarized thermal emission from Galactic dust. <i>Astronomy and Astrophysics</i> , 2015, 576, A104.	5.1	296
26	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A22.	5.1	274
27	<i>Planck</i> 2013 results. XVII. Gravitational lensing by large-scale structure. <i>Astronomy and Astrophysics</i> , 2014, 571, A17.	5.1	272
28	<i>Planck</i> pre-launch status: The <i>Planck</i> mission. <i>Astronomy and Astrophysics</i> , 2010, 520, A1.	5.1	268
29	<i>Planck</i> 2018 results. <i>Astronomy and Astrophysics</i> , 2020, 641, A4.	5.1	218
30	<i>Planck</i> 2013 results. XII. Diffuse component separation. <i>Astronomy and Astrophysics</i> , 2014, 571, A12.	5.1	216
31	<i>Planck</i> 2013 results. XXX. Cosmic infrared background measurements and implications for star formation. <i>Astronomy and Astrophysics</i> , 2014, 571, A30.	5.1	210
32	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A8.	5.1	209
33	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 596, A109.	5.1	185
34	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A9.	5.1	182
35	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A26.	5.1	182
36	<i>Planck</i> early results. XVIII. The power spectrum of cosmic infrared background anisotropies. <i>Astronomy and Astrophysics</i> , 2011, 536, A18.	5.1	180

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37	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 586, A133.	5.1	173
38	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A3.	5.1	158
39	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A25.	5.1	153
40	<i>Planck</i> 2013 results. XIII. Galactic CO emission. Astronomy and Astrophysics, 2014, 571, A13.	5.1	144
41	Planck intermediate results. Astronomy and Astrophysics, 2014, 566, A55.	5.1	134
42	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A28.	5.1	134
43	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2017, 607, A95.	5.1	131
44	<i>Planck</i> 2013 results. IX. HFI spectral response. Astronomy and Astrophysics, 2014, 571, A9.	5.1	129
45	<i>Planck</i> intermediate results. XXII. Frequency dependence of thermal emission from Galactic dust in intensity and polarization. Astronomy and Astrophysics, 2015, 576, A107.	5.1	125
46	<i>Planck</i> pre-launch status: Design and description of the Low Frequency Instrument. Astronomy and Astrophysics, 2010, 520, A4.	5.1	125
47	<i>Planck</i> early results. X. Statistical analysis of Sunyaev-Zeldovich scaling relations for X-ray galaxy clusters. Astronomy and Astrophysics, 2011, 536, A10.	5.1	124
48	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2020, 643, A42.	5.1	123
49	<i>Planck</i> intermediate results. XX. Comparison of polarized thermal emission from Galactic dust with simulations of MHD turbulence. Astronomy and Astrophysics, 2015, 576, A105.	5.1	119
50	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A12.	5.1	117
51	<i>Planck</i> 2013 results. XVIII. The gravitational lensing-infrared background correlation. Astronomy and Astrophysics, 2014, 571, A18.	5.1	116
52	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A21.	5.1	114
53	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 586, A135.	5.1	109
54	<i>Planck</i> early results. III. First assessment of the Low Frequency Instrument in-flight performance. Astronomy and Astrophysics, 2011, 536, A3.	5.1	108

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55	<i>Planck</i> 2013 results. VIII. HFI photometric calibration and mapmaking. <i>Astronomy and Astrophysics</i> , 2014, 571, A8.	5.1	107
56	<i>Planck</i> 2018 results. <i>Astronomy and Astrophysics</i> , 2020, 641, A12.	5.1	105
57	<i>Planck</i> early results. XIII. Statistical properties of extragalactic radio sources in the <i>Planck</i> Early Release Compact Source Catalogue. <i>Astronomy and Astrophysics</i> , 2011, 536, A13.	5.1	103
58	<i>Planck</i> 2013 results. VI. High Frequency Instrument data processing. <i>Astronomy and Astrophysics</i> , 2014, 571, A6.	5.1	103
59	<i>Planck</i> 2013 results. VII. HFI time response and beams. <i>Astronomy and Astrophysics</i> , 2014, 571, A7.	5.1	99
60	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A7.	5.1	94
61	<i>Planck</i> early results. II. The thermal performance of <i>Planck</i> . <i>Astronomy and Astrophysics</i> , 2011, 536, A2.	5.1	91
62	<i>Planck</i> 2013 results. XIV. Zodiacal emission. <i>Astronomy and Astrophysics</i> , 2014, 571, A14.	5.1	90
63	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A23.	5.1	89
64	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 596, A103.	5.1	89
65	<i>Planck</i> pre-launch status: The <i>Planck</i> -LFI programme. <i>Astronomy and Astrophysics</i> , 2010, 520, A3.	5.1	81
66	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2014, 561, A97.	5.1	80
67	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2015, 580, A22.	5.1	80
68	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A2.	5.1	79
69	<i>Planck</i> 2013 results. II. Low Frequency Instrument data processing. <i>Astronomy and Astrophysics</i> , 2014, 571, A2.	5.1	74
70	<i>Planck</i> 2018 results. <i>Astronomy and Astrophysics</i> , 2020, 641, A2.	5.1	72
71	<i>Planck</i> pre-launch status: Expected LFI polarisation capability. <i>Astronomy and Astrophysics</i> , 2010, 520, A8.	5.1	69
72	<i>Planck</i> 2013 results. XXXI. Consistency of the <i>Planck</i> data. <i>Astronomy and Astrophysics</i> , 2014, 571, A31.	5.1	69

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73	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A18.	5.1	69
74	<i>Planck</i> 2013 results. X. HFI energetic particle effects: characterization, removal, and simulation. Astronomy and Astrophysics, 2014, 571, A10.	5.1	68
75	<i>Planck</i> intermediate results. XXI. Comparison of polarized thermal emission from Galactic dust at 353 GHz with interstellar polarization in the visible. Astronomy and Astrophysics, 2015, 576, A106.	5.1	68
76	<i>Planck</i> 2013 results. V. LFI calibration. Astronomy and Astrophysics, 2014, 571, A5.	5.1	67
77	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A110.	5.1	64
78	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A6.	5.1	62
79	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2015, 582, A31.	5.1	59
80	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A4.	5.1	56
81	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 586, A141.	5.1	55
82	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A5.	5.1	55
83	<i>Planck</i> 2013 results. III. LFI systematic uncertainties. Astronomy and Astrophysics, 2014, 571, A3.	5.1	54
84	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A3.	5.1	53
85	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A105.	5.1	47
86	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2017, 599, A51.	5.1	46
87	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A100.	5.1	44
88	<i>Planck</i> 2013 results. IV. Low Frequency Instrument beams and window functions. Astronomy and Astrophysics, 2014, 571, A4.	5.1	41
89	The Large-Scale Polarization Explorer (LSPE). Proceedings of SPIE, 2012, , .	0.8	38
90	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A104.	5.1	36

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91	Planck-LFI: design and performance of the 4 Kelvin Reference Load Unit. Journal of Instrumentation, 2009, 4, T12006-T12006.	1.2	30
92	The large scale polarization explorer (LSPE) for CMB measurements: performance forecast. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 008.	5.4	27
93	<i>Planck</i> pre-launch status: Low Frequency Instrument calibration and expected scientific performance. Astronomy and Astrophysics, 2010, 520, A5.	5.1	25
94	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A102.	5.1	25
95	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A101.	5.1	24
96	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2017, 607, A122.	5.1	24
97	Planck-LFI radiometers' spectral response. Journal of Instrumentation, 2009, 4, T12010-T12010.	1.2	23
98	Planck intermediate results. Astronomy and Astrophysics, 2016, 596, A106.	5.1	23
99	Wideband 67~116 GHz receiver development for ALMA Band 2. Astronomy and Astrophysics, 2020, 634, A46.	5.1	23
100	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2018, 617, A48.	5.1	22
101	Noise properties of the Planck-LFI receivers. Journal of Instrumentation, 2009, 4, T12009-T12009.	1.2	20
102	Mapping wastes in complex projects for Lean Product Development. International Journal of Project Management, 2019, 37, 410-424.	5.6	20
103	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2020, 644, A100.	5.1	20
104	Thermal Filters for the ATHENA X-IFU: Ongoing Activities Toward the Conceptual Design. Journal of Low Temperature Physics, 2016, 184, 706-711.	1.4	18
105	Design, development, and verification of the Planck Low Frequency Instrument 70 GHz Front-End and Back-End Modules. Journal of Instrumentation, 2009, 4, T12001-T12001.	1.2	17
106	The linearity response of the Planck-LFI flight model receivers. Journal of Instrumentation, 2009, 4, T12011-T12011.	1.2	14
107	Optimization of Planck-LFI on-board data handling. Journal of Instrumentation, 2009, 4, T12018-T12018.	1.2	12
108	Planck-LFI radiometers tuning. Journal of Instrumentation, 2009, 4, T12013-T12013.	1.2	11

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109	Planck pre-launch status: Calibration of the Low Frequency Instrument flight model radiometers. <i>Astronomy and Astrophysics</i> , 2010, 520, A6.	5.1	11
110	ATHENA X-IFU thermal filters development status toward the end of the instrument phase-A. , 2018, , .		10
111	The Planck-LFI flight model composite waveguides. <i>Journal of Instrumentation</i> , 2009, 4, T12007-T12007.	1.2	9
112	Thermal susceptibility of the Planck-LFI receivers. <i>Journal of Instrumentation</i> , 2009, 4, T12012-T12012.	1.2	9
113	The low frequency instrument on-board the Planck satellite: Characteristics and performance. <i>New Astronomy Reviews</i> , 2007, 51, 287-297.	12.8	8
114	The STRIP instrument of the Large Scale Polarization Explorer: microwave eyes to map the Galactic polarized foregrounds. , 2018, , .		7
115	Analysis of the radiometer reference load system on board the Planck/LFI instrument. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 520, 396-401.	1.6	6
116	ALMA band 2+3 (67-116 GHz) optics: Design and first measurements. , 2016, , .		6
117	Analysis of the pseudocorrelation radiometers for the low frequency instrument onboard the PLANCK satellite. , 2004, 5498, 756.		5
118	Planck intermediate results. <i>Astronomy and Astrophysics</i> , 2018, 610, C1.	5.1	5
119	Characterization of the in-flight properties of the Planck telescope. <i>Astronomy and Astrophysics</i> , 2019, 622, A55.	5.1	4
120	Planck intermediate results. <i>Astronomy and Astrophysics</i> , 2020, 644, A99.	5.1	4
121	Systematic study of the cross polarization introduced by broadband antireflection layers at microwave frequencies. <i>Applied Optics</i> , 2018, 57, 9223.	1.8	4
122	In-flight calibration and verification of the Planck-LFI instrument. <i>Journal of Instrumentation</i> , 2013, 8, T07001-T07001.	1.2	3
123	67-116 GHz optics development for ALMA band 2+3 receivers. , 2016, , .		2
124	The LSPE-Strip feed horn array. <i>Journal of Instrumentation</i> , 2022, 17, P01029.	1.2	2
125	The Planck LFI RCA flight model test campaign. <i>New Astronomy Reviews</i> , 2007, 51, 305-309.	12.8	1
126	In-flight measurement of Planck telescope emissivity. <i>Experimental Astronomy</i> , 2019, 47, 107-127.	3.7	1

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127	Progress on THz applications for Plasma Diagnostics. , 2015, , .		0
128	Radio frequency shielding of thin aluminized plastic filters investigated for the ATHENA X-IFU detector. , 2018, , .		0