

Loris P Colombo

List of Publications by Year in descending order

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114
papers

32,735
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13865

67
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times ranked

18663
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A13.	5.1	8,344
2	<i>Planck</i> 2013 results. XVI. Cosmological parameters. <i>Astronomy and Astrophysics</i> , 2014, 571, A16.	5.1	4,703
3	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A20.	5.1	1,233
4	<i>Planck</i> 2013 results. I. Overview of products and scientific results. <i>Astronomy and Astrophysics</i> , 2014, 571, A1.	5.1	948
5	Joint Analysis of BICEP2/<i>Keck Array</i> and <i>Planck</i> Data. <i>Physical Review Letters</i> , 2015, 114, 101301.	7.8	819
6	<i>Planck</i> 2013 results. XXII. Constraints on inflation. <i>Astronomy and Astrophysics</i> , 2014, 571, A22.	5.1	806
7	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A1.	5.1	738
8	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A11.	5.1	613
9	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A14.	5.1	568
10	<i>Planck</i> 2013 results. XI. All-sky model of thermal dust emission. <i>Astronomy and Astrophysics</i> , 2014, 571, A11.	5.1	566
11	<i>Planck</i> 2018 results. <i>Astronomy and Astrophysics</i> , 2020, 641, A5.	5.1	558
12	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A27.	5.1	535
13	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A24.	5.1	525
14	<i>Planck</i> 2013 results. XX. Cosmology from Sunyaev-Zeldovich cluster counts. <i>Astronomy and Astrophysics</i> , 2014, 571, A20.	5.1	465
15	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A17.	5.1	440
16	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A10.	5.1	384
17	<i>Planck</i> 2013 results. XXIX. The <i>Planck</i> catalogue of Sunyaev-Zeldovich sources. <i>Astronomy and Astrophysics</i> , 2014, 571, A29.	5.1	380
18	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 596, A108.	5.1	375

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19	<i>Planck</i> 2013 results. XXIII. Isotropy and statistics of the CMB. Astronomy and Astrophysics, 2014, 571, A23.	5.1	367
20	<i>Planck</i> 2013 results. XV. CMB power spectra and likelihood. Astronomy and Astrophysics, 2014, 571, A15.	5.1	364
21	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A15.	5.1	360
22	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A107.	5.1	359
23	<i>Planck</i> 2013 results. XXIV. Constraints on primordial non-Gaussianity. Astronomy and Astrophysics, 2014, 571, A24.	5.1	350
24	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A16.	5.1	338
25	<i>Planck</i> intermediate results. XIX. An overview of the polarized thermal emission from Galactic dust. Astronomy and Astrophysics, 2015, 576, A104.	5.1	296
26	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A22.	5.1	274
27	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A19.	5.1	273
28	<i>Planck</i> 2013 results. XVII. Gravitational lensing by large-scale structure. Astronomy and Astrophysics, 2014, 571, A17.	5.1	272
29	Probing Inflation with CMB Polarization. , 2009, , .		252
30	<i>Planck</i> 2013 results. XXV. Searches for cosmic strings and other topological defects. Astronomy and Astrophysics, 2014, 571, A25.	5.1	223
31	<i>Planck</i> 2013 results. XII. Diffuse component separation. Astronomy and Astrophysics, 2014, 571, A12.	5.1	216
32	<i>Planck</i> 2013 results. XXX. Cosmic infrared background measurements and implications for star formation. Astronomy and Astrophysics, 2014, 571, A30.	5.1	210
33	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A8.	5.1	209
34	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A109.	5.1	185
35	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A9.	5.1	182
36	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A26.	5.1	182

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37	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 586, A133.	5.1	173
38	<i>Planck</i> 2013 results. XXVII. Doppler boosting of the CMB: Eppure si muove. Astronomy and Astrophysics, 2014, 571, A27.	5.1	170
39	<i>Planck</i> 2013 results. XXVIII. The <i>Planck</i> Catalogue of Compact Sources. Astronomy and Astrophysics, 2014, 571, A28.	5.1	162
40	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A25.	5.1	153
41	<i>Planck</i> 2013 results. XIII. Galactic CO emission. Astronomy and Astrophysics, 2014, 571, A13.	5.1	144
42	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2013, 557, A52.	5.1	141
43	Planck intermediate results. Astronomy and Astrophysics, 2014, 566, A55.	5.1	134
44	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A28.	5.1	134
45	<i>Planck</i> 2013 results. XXI. Power spectrum and high-order statistics of the <i>Planck</i> all-sky Compton parameter map. Astronomy and Astrophysics, 2014, 571, A21.	5.1	133
46	<i>Planck</i> 2013 results. IX. HFI spectral response. Astronomy and Astrophysics, 2014, 571, A9.	5.1	129
47	<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	126
48	<i>Planck</i> 2013 results. XIX. The integrated Sachs-Wolfe effect. Astronomy and Astrophysics, 2014, 571, A19.	5.1	126
49	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A12.	5.1	117
50	<i>Planck</i> 2013 results. XVIII. The gravitational lensing-infrared background correlation. Astronomy and Astrophysics, 2014, 571, A18.	5.1	116
51	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A21.	5.1	114
52	<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
53	<i>Planck</i> 2013 results. VIII. HFI photometric calibration and mapmaking. Astronomy and Astrophysics, 2014, 571, A8.	5.1	107
54	<i>Planck</i> 2013 results. VI. High Frequency Instrument data processing. Astronomy and Astrophysics, 2014, 571, A6.	5.1	103

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55	<i>Planck</i> 2013 results. VII. HFI time response and beams. Astronomy and Astrophysics, 2014, 571, A7.	5.1	99
56	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A7.	5.1	94
57	<i>Planck</i> 2013 results. XXVI. Background geometry and topology of the Universe. Astronomy and Astrophysics, 2014, 571, A26.	5.1	91
58	<i>Planck</i> 2013 results. XIV. Zodiacal emission. Astronomy and Astrophysics, 2014, 571, A14.	5.1	90
59	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A23.	5.1	89
60	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A103.	5.1	89
61	<i>Planck</i> 2013 results. XXXII. The updated <i>Planck</i> catalogue of Sunyaev-Zeldovich sources. Astronomy and Astrophysics, 2015, 581, A14.	5.1	80
62	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A2.	5.1	79
63	LiteBIRD satellite: JAXA's new strategic L-class mission for all-sky surveys of cosmic microwave background polarization. , 2020, , .		79
64	<i>Planck</i> early results. V. The Low Frequency Instrument data processing. Astronomy and Astrophysics, 2011, 536, A5.	5.1	77
65	<i>Planck</i> 2013 results. II. Low Frequency Instrument data processing. Astronomy and Astrophysics, 2014, 571, A2.	5.1	74
66	Improved limits on the tensor-to-scalar ratio using BICEP and $\frac{P}{l} < a < n < c < 7 < 71 < mml:mi>$ data. Physical Review D, 2022, 105, .		
67	<i>Planck</i> 2013 results. XXXI. Consistency of the <i>Planck</i> data. Astronomy and Astrophysics, 2014, 571, A31.	5.1	69
68	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A18.	5.1	69
69	<i>Planck</i> 2013 results. X. HFI energetic particle effects: characterization, removal, and simulation. Astronomy and Astrophysics, 2014, 571, A10.	5.1	68
70	<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
71	<i>Planck</i> 2013 results. V. LFI calibration. Astronomy and Astrophysics, 2014, 571, A5.	5.1	67
72	<i>Planck</i> intermediate results. XV. A study of anomalous microwave emission in Galactic clouds. Astronomy and Astrophysics, 2014, 565, A103.	5.1	67

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73	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A110.	5.1	64
74	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A6.	5.1	62
75	Do WMAP data favor neutrino mass and a coupling between Cold Dark Matter and Dark Energy?. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 007-007.	5.4	57
76	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A4.	5.1	56
77	<i>Planck</i> intermediate results. XIV. Dust emission at millimetre wavelengths in the Galactic plane. Astronomy and Astrophysics, 2014, 564, A45.	5.1	55
78	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A5.	5.1	55
79	<i>Planck</i> 2013 results. III. LFI systematic uncertainties. Astronomy and Astrophysics, 2014, 571, A3.	5.1	54
80	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A3.	5.1	53
81	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A105.	5.1	47
82	<i>Planck</i> intermediate results. XXVI. Optical identification and redshifts of <i>Planck</i> clusters with the RTT150 telescope. Astronomy and Astrophysics, 2015, 582, A29.	5.1	46
83	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A100.	5.1	44
84	<i>Planck</i> 2013 results. IV. Low Frequency Instrument beams and window functions. Astronomy and Astrophysics, 2014, 571, A4.	5.1	41
85	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A104.	5.1	36
86	Cosmological parameters after <i>WMAP</i> 5: forecasts for <i>Planck</i> and future galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2009, 398, 1621-1637.	4.4	34
87	The Sky Polarization Observatory. New Astronomy, 2004, 9, 297-327.	1.8	28
88	Dark Matter and Dark Energy from a Single Scalar Field and Cosmic Microwave Background Data. Astrophysical Journal, 2005, 632, 691-705.	4.5	28
89	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A102.	5.1	25
90	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A101.	5.1	24

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91	Higher neutrino mass allowed if Cold Dark Matter and Dark Energy are coupled. <i>New Astronomy</i> , 2009, 14, 435-442.	1.8	19
92	Coupling between cold dark matter and dark energy from neutrino mass experiments. <i>New Astronomy</i> , 2010, 15, 609-613.	1.8	19
93	<i>Planck</i> intermediate results. XII: Diffuse Galactic components in the Gould Belt system. <i>Astronomy and Astrophysics</i> , 2013, 557, A53.	5.1	19
94	Constraints on quintessence using recent cosmological data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2006, 2006, 001-001.	5.4	16
95	Gravitational lensing constraints on dynamical and coupled dark energy. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 007.	5.4	15
96	DARK MATTER-DARK ENERGY COUPLING BIASING PARAMETER ESTIMATES FROM COSMIC MICROWAVE BACKGROUND DATA. <i>Astrophysical Journal</i> , 2009, 697, 1946-1955.	4.5	15
97	<i>Planck</i> intermediate results. XVIII. The millimetre and sub-millimetre emission from planetary nebulae. <i>Astronomy and Astrophysics</i> , 2015, 573, A6.	5.1	13
98	Likelihood Methods for CMB Experiments. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	12
99	Model independent approaches to reionization in the analysis of upcoming CMB data. <i>New Astronomy</i> , 2009, 14, 269-276.	1.8	10
100	ANALYSIS OF WMAP 7 YEAR TEMPERATURE DATA: ASTROPHYSICS OF THE GALACTIC HAZE. <i>Astrophysical Journal</i> , 2012, 755, 69.	4.5	9
101	OPTIMIZED LARGE-SCALE CMB LIKELIHOOD AND QUADRATIC MAXIMUM LIKELIHOOD POWER SPECTRUM ESTIMATION. <i>Astrophysical Journal, Supplement Series</i> , 2015, 221, 5.	7.7	9
102	Optical design of the EPIC-IM crossed Dragone telescope. <i>Proceedings of SPIE</i> , 2010, , .	0.8	8
103	Cosmic microwave background polarization and reionization: Constraining models with a double reionization. <i>Astronomy and Astrophysics</i> , 2005, 435, 413-420.	5.1	7
104	Nature of dark energy and polarization measurements. <i>New Astronomy</i> , 2003, 8, 751-766.	1.8	5
105	Constraining the reionization history with large angle cosmic microwave background polarization. <i>Journal of Cosmology and Astroparticle Physics</i> , 2004, 2004, 003-003.	5.4	5
106	Estimates of unresolved point source contribution to WMAP 5. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 407, 247-257.	4.4	4
107	<i>Planck</i> intermediate results (Corrigendum). <i>Astronomy and Astrophysics</i> , 2013, 558, C2.	5.1	4
108	Concept design of low frequency telescope for CMB B-mode polarization satellite LiteBIRD. , 2020, , .		4

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109	Reionization Science with the Cosmic Microwave Background. , 2009, , .		3
110	Overview of the medium and high frequency telescopes of the LiteBIRD space mission. , 2020, , .		3
111	Scaling Laws and Luminosity Segregation. Astrophysical Journal, 2001, 549, 702-710.	4.5	2
112	Measuring CMB polarization from ISS: the SPORt experiment. Nuclear Physics, Section B, Proceedings Supplements, 2004, 134, 133-135.	0.4	1
113	Dark Matter and Dark Energy from the solution of the strong CP problem. AIP Conference Proceedings, 2006, , .	0.4	1
114	Cosmic opacity to CMB photons and polarization measurements. New Astronomy Reviews, 2003, 47, 849-853.	12.8	0