Patricio Vielva

List of Publications by Year
in descending order

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251 papers	53,223 citations	2322 98 h-index	1190 228 g-index
251 all docs	251 docs citations	251 times ranked	21138 citing authors

#	Article	IF	Citations
1	In-flight polarization angle calibration for LiteBIRD: blind challenge and cosmological implications. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 039.	5.4	9
2	Cosmic Birefringence from thePlanckData Release 4. Physical Review Letters, 2022, 128, 091302.	7.8	54
3	Determination of polarization angles in CMB experiments and application to CMB component separation analyses. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 032.	5.4	5
4	Polarization angle requirements for CMB B-mode experiments. Application to the LiteBIRD satellite. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 029.	5.4	3
5	Detection of spectral variations of Anomalous Microwave Emission with QUIJOTE and C-BASS. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2927-2943.	4.4	17
6	Characterization of extragalactic point-sources on E- and B-mode maps of the CMB polarization. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 048.	5.4	3
7	L2-CalSat: A Calibration Satellite for Ultra-Sensitive CMB Polarization Space Missions. Sensors, 2021, 21, 3361.	3.8	11
8	ECLIPSE: a fast Quadratic Maximum Likelihood estimator for CMB intensity and polarization power spectra. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 034.	5.4	5
9	Planck 2018 results. Astronomy and Astrophysics, 2021, 652, C4.	5.1	627
10	The miniJPAS survey: A preview of the Universe in 56 colors. Astronomy and Astrophysics, 2021, 653, A31.	5.1	54
11	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A6.	5.1	6,722
12	On the detection of CMB B-modes from ground at low frequency. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 006-006.	5.4	8
13	Updated Design of the CMB Polarization Experiment Satellite LiteBIRD. Journal of Low Temperature Physics, 2020, 199, 1107-1117.	1.4	64
14	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A11.	5.1	118
15	Planck 2018 results. Astronomy and Astrophysics, 2020, 641, A3.	5.1	158
16	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A2.	5.1	72
17	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A1.	5.1	804
18	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A4.	5.1	218

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19	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A12.	5.1	105
20	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A8.	5.1	400
21	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A10.	5.1	1,261
22	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A7.	5.1	172
23	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A9.	5.1	319
24	Planck 2018 results. Astronomy and Astrophysics, 2020, 641, A5.	5.1	558
25	Planck intermediate results. Astronomy and Astrophysics, 2020, 644, A99.	5.1	4
26	Planck intermediate results. Astronomy and Astrophysics, 2020, 644, A100.	5.1	20
27	Planck intermediate results. Astronomy and Astrophysics, 2020, 643, A42.	5.1	123
28	Comparison of delensing methodologies and assessment of the delensing capabilities of future experiments. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 058-058.	5.4	13
29	Overview of the medium and high frequency telescopes of the LiteBIRD space mission. , 2020, , .		3
30	LiteBIRD satellite: JAXA's new strategic L-class mission for all-sky surveys of cosmic microwave background polarization. , 2020, , .		79
31	Exploring cosmic origins with CORE: Survey requirements and mission design. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 014-014.	5.4	98
32	Exploring cosmic origins with CORE: The instrument. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 015-015.	5.4	25
33	Exploring cosmic origins with CORE: Inflation. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 016-016.	5.4	75
34	Exploring cosmic origins with CORE: Cosmological parameters. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 017-017.	5.4	73
35	Exploring cosmic origins with CORE: Gravitational lensing of the CMB. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 018-018.	5.4	29
36	Exploring cosmic origins with CORE: Cluster science. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 019-019.	5.4	17

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37	Exploring cosmic origins with CORE: Extragalactic sources in cosmic microwave background maps. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 020-020.	5.4	20
38	Exploring cosmic origins with CORE: Effects of observer peculiar motion. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 021-021.	5.4	18
39	Exploring cosmic origins with CORE: Mitigation of systematic effects. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 022-022.	5.4	14
40	Exploring cosmic origins with CORE:B-mode component separation. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 023-023.	5.4	44
41	Planck intermediate results. Astronomy and Astrophysics, 2018, 619, A94.	5.1	18
42	Planck intermediate results. Astronomy and Astrophysics, 2018, 617, A48.	5.1	22
43	Planck intermediate results. Astronomy and Astrophysics, 2018, 610, C1.	5.1	5
44	Multiscale analysis of the CMB temperature derivatives. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 026-026.	5.4	4
45	On the regularity of the covariance matrix of a discretized scalar field on the sphere. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 022-022.	5.4	3
46	Planck intermediate results. Astronomy and Astrophysics, 2017, 599, A51.	5.1	46
47	Local properties of the large-scale peaks of the CMB temperature. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 023-023.	5.4	3
48	Planck intermediate results. Astronomy and Astrophysics, 2017, 607, A95.	5.1	131
49	Planckintermediate results. Astronomy and Astrophysics, 2017, 607, A122.	5.1	24
50	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A140.	5.1	89
51	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A134.	5.1	48
52	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A28.	5.1	134
53	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A7.	5.1	94
54	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A10.	5.1	384

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55	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A23.	5.1	89
56	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A12.	5.1	117
57	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A24.	5.1	525
58	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A132.	5.1	109
59	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A6.	5.1	62
60	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A2.	5.1	79
61	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A8.	5.1	209
62	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A9.	5.1	182
63	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A141.	5.1	55
64	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A100.	5.1	44
65	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A5.	5.1	55
66	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A4.	5.1	56
67	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A18.	5.1	69
68	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A21.	5.1	114
69	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A3.	5.1	53
70	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A19.	5.1	273
71	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A16.	5.1	338
72	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A20.	5.1	1,233

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73	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A101.	5.1	24
74	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A105.	5.1	47
75	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A27.	5.1	535
76	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A138.	5.1	270
77	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A1.	5.1	738
78	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A108.	5.1	375
79	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A14.	5.1	568
80	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A15.	5.1	360
81	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A25.	5.1	153
82	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A103.	5.1	89
83	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A133.	5.1	173
84	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A137.	5.1	27
85	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A109.	5.1	185
86	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A13.	5.1	8,344
87	Recent results and perspectives on cosmology and fundamental physics from microwave surveys. International Journal of Modern Physics D, 2016, 25, 1630016.	2.1	0
88	Exploring two-spin internal linear combinations for the recovery of the CMB polarization. Monthly Notices of the Royal Astronomical Society, 2016, 459, 441-454.	4.4	10
89	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.	4.4	5
90	On the void explanation of the Cold Spot. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 460, L15-L19.	3.3	13

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91	The shape of CMB temperature and polarization peaks on the sphere. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 058-058.	5.4	11
92	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A22.	5.1	274
93	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A106.	5.1	23
94	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A102.	5.1	25
95	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A104.	5.1	36
96	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A110.	5.1	64
97	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A135.	5.1	109
98	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A136.	5.1	72
99	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A26.	5.1	182
100	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A107.	5.1	359
101	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A139.	5.1	32
102	Joint constraints on galaxy bias and Ïƒ8through the N-pdf of the galaxy number density. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 005-005.	5.4	7
103	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A17.	5.1	440
104	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A11.	5.1	613
105	QUIJOTE scientific results â€“ I. Measurements of the intensity and polarisation of the anomalous microwave emission in the Perseus molecular complex. Monthly Notices of the Royal Astronomical Society, 2015, 452, 4169-4182.	4.4	58
106	Planckintermediate results. Astronomy and Astrophysics, 2015, 580, A22.	5.1	80
107	Planckintermediate results. XXVI. Optical identification and redshifts ofPlanckclusters with the RTT150 telescope. Astronomy and Astrophysics, 2015, 582, A29.	5.1	46
108	Planckintermediate results. Astronomy and Astrophysics, 2015, 582, A30.	5.1	72

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109	Planckintermediate results. Astronomy and Astrophysics, 2015, 582, A31.	5.1	59
110	Planck2013 results. XXXII. The updatedPlanckcatalogue of Sunyaev-Zeldovich sources. Astronomy and Astrophysics, 2015, 581, A14.	5.1	80
111	Planckintermediate results. XIX. An overview of the polarized thermal emission from Galactic dust. Astronomy and Astrophysics, 2015, 576, A104.	5.1	296
112	Planckintermediate results. XX. Comparison of polarized thermal emission from Galactic dust with simulations of MHD turbulence. Astronomy and Astrophysics, 2015, 576, A105.	5.1	119
113	Planckintermediate 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
114	Planckintermediate results. XVIII. The millimetre and sub-millimetre emission from planetary nebulae. Astronomy and Astrophysics, 2015, 573, A6.	5.1	13
115	Planckintermediate results. Astronomy and Astrophysics, 2015, 580, A13.	5.1	37
116	Planckintermediate results. XXII. Frequency dependence of thermalâ€‰emissionâ€‰fromâ€‰Galacticâ€‰dustâ€‰inâ€‰intensity and polarization. Astronomy and Astrophysics, 2015, 576, A107.	5.1	215
117	Planckintermediate results. Astronomy and Astrophysics, 2015, 582, A28.	5.1	33
118	Joint Analysis of BICEP2/Keck ArrayandPlanckData. Physical Review Letters, 2015, 114, 101301.	7.8	819
119	Planck2013 results. XIV. Zodiacal emission. Astronomy and Astrophysics, 2014, 571, A14.	5.1	90
120	Planck2013 results. VI. High Frequency Instrument data processing. Astronomy and Astrophysics, 2014, 571, A6.	5.1	103
121	Planck2013 results. X. HFI energetic particle effects: characterization, removal, and simulation. Astronomy and Astrophysics, 2014, 571, A10.	5.1	68
122	Planck2013 results. XXXI. Consistency of thePlanckdata. Astronomy and Astrophysics, 2014, 571, A31.	5.1	69
123	Planck2013 results. V. LFI calibration. Astronomy and Astrophysics, 2014, 571, A5.	5.1	67
124	Planck2013 results. XXVII. Doppler boosting of the CMB: Eppur si muove. Astronomy and Astrophysics, 2014, 571, A27.	5.1	170
125	Planckintermediate results. XV. A study of anomalous microwave emission in Galactic clouds. Astronomy and Astrophysics, 2014, 565, A103.	5.1	67
126	Planck2013 results. III. LFI systematic uncertainties. Astronomy and Astrophysics, 2014, 571, A3.	5.1	54

#	Article	IF	Citations
127	Planck2013 results. XII. Diffuse component separation. Astronomy and Astrophysics, 2014, 571, A12.	5.1	216
128	Planckintermediate results. Astronomy and Astrophysics, 2014, 566, A54.	5.1	80
129	Planck2013 results. XIII. Galactic CO emission. Astronomy and Astrophysics, 2014, 571, A13.	5.1	144
130	Planck2013 results. XI. All-sky model of thermal dust emission. Astronomy and Astrophysics, 2014, 571, A11.	5.1	566
131	PRISM (Polarized Radiation Imaging and Spectroscopy Mission): an extended white paper. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 006-006.	5.4	138
132	The Jubilee ISW project â€“ I. Simulated ISW and weak lensing maps and initial power spectra results. Monthly Notices of the Royal Astronomical Society, 2014, 438, 412-425.	4.4	28
133	Searching for a dipole modulation in the large-scale structure of the Universe. Monthly Notices of the Royal Astronomical Society, 2014, 441, 2392-2397.	4.4	32
134	Planck2013 results. I. Overview of products and scientific results. Astronomy and Astrophysics, 2014, 571, A1.	5.1	948
135	Planck2013 results. XXX. Cosmic infrared background measurements and implications for star formation. Astronomy and Astrophysics, 2014, 571, A30.	5.1	210
136	Planck2013 results. XXV. Searches for cosmic strings and other topological defects. Astronomy and Astrophysics, 2014, 571, A25.	5.1	223
137	Planckintermediate results. XIV. Dust emission at millimetre wavelengths in the Galactic plane. Astronomy and Astrophysics, 2014, 564, A45.	5.1	55
138	Planck intermediate results. Astronomy and Astrophysics, 2014, 566, A55.	5.1	134
139	Planck2013 results. XV. CMB power spectra and likelihood. Astronomy and Astrophysics, 2014, 571, A15.	5.1	364
140	Planck2013 results. XX. Cosmology from Sunyaevâ€“Zeldovich cluster counts. Astronomy and Astrophysics, 2014, 571, A20.	5.1	465
141	Planck2013 results. XXI. Power spectrum and high-order statistics of thePlanckall-sky Compton parameter map. Astronomy and Astrophysics, 2014, 571, A21.	5.1	133
142	Planck2013 results. XXIX. ThePlanckcatalogue of Sunyaev-Zeldovich sources. Astronomy and Astrophysics, 2014, 571, A29.	5.1	380
143	Planck2013 results. XXVIII. ThePlanckCatalogue of Compact Sources. Astronomy and Astrophysics, 2014, 571, A28.	5.1	162
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145	Planck2013 results. IX. HFI spectral response. Astronomy and Astrophysics, 2014, 571, A9.	5.1	129
146	Planck2013 results. XXIII. Isotropy and statistics of the CMB. Astronomy and Astrophysics, 2014, 571, A23.	5.1	367
147	Planck2013 results. VII. HFI time response and beams. Astronomy and Astrophysics, 2014, 571, A7.	5.1	99
148	Planck2013 results. VIII. HFI photometric calibration and mapmaking. Astronomy and Astrophysics, 2014, 571, A8.	5.1	107
149	Planck2013 results. XVIII. The gravitational lensing-infrared background correlation. Astronomy and Astrophysics, 2014, 571, A18.	5.1	116
150	Planck2013 results. IV. Low Frequency Instrument beams and window functions. Astronomy and Astrophysics, 2014, 571, A4.	5.1	41
151	Planck2013 results. XXVI. Background geometry and topology of the Universe. Astronomy and Astrophysics, 2014, 571, A26.	5.1	91
152	Planck2013 results. II. Low Frequency Instrument data processing. Astronomy and Astrophysics, 2014, 571, A2.	5.1	74
153	Planckintermediate results. Astronomy and Astrophysics, 2014, 561, A97.	5.1	80
154	Statistical analyses of galaxy-surveys to probe the standard cosmological model. , 2014, , .		0
155	Planck2013 results. XVII. Gravitational lensing by large-scale structure. Astronomy and Astrophysics, 2014, 571, A17.	5.1	272
156	Planck2013 results. XXIV. Constraints on primordial non-Gaussianity. Astronomy and Astrophysics, 2014, 571, A24.	5.1	350
157	Planck2013 results. XXII. Constraints on inflation. Astronomy and Astrophysics, 2014, 571, A22.	5.1	806
158	Planck2013 results. XVI. Cosmological parameters. Astronomy and Astrophysics, 2014, 571, A16.	5.1	4,703
159	Integrated Sachs-Wolfe effect map recovery from NVSS and WMAP 7-yr data. Monthly Notices of the Royal Astronomical Society, 2013, 430, 259-263.	4.4	11
160	Using CMB polarization to constrain the anomalous nature of the Cold Spot with an incomplete-sky coverage. Monthly Notices of the Royal Astronomical Society, 2013, 435, 3096-3102.	4.4	4
161	Planckintermediate results. Astronomy and Astrophysics, 2013, 557, A52.	5.1	141
162	PlanckÂintermediate results. XII: Diffuse Galactic components in the Gould Belt system. Astronomy and Astrophysics, 2013, 557, A53.	5.1	19

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163	Planckintermediate results(Corrigendum). Astronomy and Astrophysics, 2013, 558, C2.	5.1	4
164	Planckintermediate results. Astronomy and Astrophysics, 2013, 554, A140.	5.1	101
165	Planckintermediate results. Astronomy and Astrophysics, 2013, 550, A128.	5.1	20
166	Planckintermediate results. Astronomy and Astrophysics, 2013, 550, A130.	5.1	36
167	Planckintermediate results. Astronomy and Astrophysics, 2013, 550, A131.	5.1	276
168	Planckintermediate results. Astronomy and Astrophysics, 2013, 554, A139.	5.1	106
169	Planckintermediate results. Astronomy and Astrophysics, 2013, 550, A129.	5.1	63
170	Planckintermediate results. Astronomy and Astrophysics, 2013, 550, A132.	5.1	15
171	Planckintermediate results. Astronomy and Astrophysics, 2013, 550, A133.	5.1	52
172	Planckintermediate results. Astronomy and Astrophysics, 2013, 550, A134.	5.1	94
173	The status of the QUIJOTE multi-frequency instrument. Proceedings of SPIE, 2012, , .	0.8	15
174	The QUIJOTE-CMB experiment: studying the polarisation of the galactic and cosmological microwave emissions. Proceedings of SPIE, 2012, , .	0.8	44
175	An optimal estimator for the CMB-LSS angular power spectrum and its application to WMAP and NVSS data. Monthly Notices of the Royal Astronomical Society, 2012, 427, 3044-3054.	4.4	21
176	Planckintermediate results. Astronomy and Astrophysics, 2012, 543, A102.	5.1	50
177	Multiresolution internal template cleaning: an application to the Wilkinson Microwave Anisotropy Probe 7-yr polarization data. Monthly Notices of the Royal Astronomical Society, 2012, 420, 2162-2169.	4.4	65
178	Biparametric adaptive filter: detection of compact sources in complex microwave backgrounds. Monthly Notices of the Royal Astronomical Society, 2012, 421, 2139-2154.	4.4	4
179	Planckearly results. XXI. Properties of the interstellar medium in the Galactic plane. Astronomy and Astrophysics, 2011, 536, A21.	5.1	119
180	Planckearly results. XVIII. The power spectrum of cosmic infrared background anisotropies. Astronomy and Astrophysics, 2011, 536, A18.	5.1	180

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181	Planckearly results. XIII. Statistical properties of extragalactic radio sources in thePlanckEarly Release Compact Source Catalogue. Astronomy and Astrophysics, 2011, 536, A13.	5.1	103
182	Planckearly results. XVII. Origin of the submillimetre excess dust emission in the Magellanic Clouds. Astronomy and Astrophysics, 2011, 536, A17.	5.1	123
183	Planckearly results. XII. Cluster Sunyaev-Zeldovich optical scaling relations. Astronomy and Astrophysics, 2011, 536, A12.	5.1	100
184	Planckearly results. II. The thermal performance ofPlanck. Astronomy and Astrophysics, 2011, 536, A2.	5.1	91
185	Planckearly results. XX. New light on anomalous microwave emission from spinning dust grains. Astronomy and Astrophysics, 2011, 536, A20.	5.1	155
186	Planckearly results. XXV. Thermal dust in nearby molecular clouds. Astronomy and Astrophysics, 2011, 536, A25.	5.1	184
187	Planckearly results. XXII. The submillimetre properties of a sample of Galactic cold clumps. Astronomy and Astrophysics, 2011, 536, A22.	5.1	88
188	Planckearly results. XXIII. The first all-sky survey of Galactic cold clumps. Astronomy and Astrophysics, 2011, 536, A23.	5.1	152
189	Planckearly results. V. The Low Frequency Instrument data processing. Astronomy and Astrophysics, 2011, 536, A5.	5.1	77
190	Planckearly results. XVI. ThePlanckview of nearby galaxies. Astronomy and Astrophysics, 2011, 536, A16.	5.1	74
191	Planckearly results. VII. The Early Release Compact Source Catalogue. Astronomy and Astrophysics, 2011, 536, A7.	5.1	224
192	Planckearly results. XIX. All-sky temperature and dust optical depth fromPlanckand IRAS. Constraints on the â€œdark gasâ€•in our Galaxy. Astronomy and Astrophysics, 2011, 536, A19.	5.1	314
193	Planckearly results. XXIV. Dust in the diffuse interstellar medium and the Galactic halo. Astronomy and Astrophysics, 2011, 536, A24.	5.1	179
194	Planckearly results. X. Statistical analysis of Sunyaev-Zeldovich scaling relations for X-ray galaxy clusters. Astronomy and Astrophysics, 2011, 536, A10.	5.1	124
195	Planckearly results. XI. Calibration of the local galaxy cluster Sunyaev-Zeldovich scaling relations. Astronomy and Astrophysics, 2011, 536, A11.	5.1	174
196	Planckearly results. XIV. ERCSC validation and extreme radio sources. Astronomy and Astrophysics, 2011, 536, A14.	5.1	61
197	Planckearly results. VIII. The all-sky early Sunyaev-Zeldovich cluster sample. Astronomy and Astrophysics, 2011, 536, A8.	5.1	335
198	Planckearly results. XXVI. Detection withPlanckand confirmation byXMM-Newtonof PLCKÂG266.6â€“27.3, an exceptionally X-ray luminous and massive galaxy cluster atzÂ–Â 1. Astronomy and Astrophysics, 2011, 536, A26.	5.1	72

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200	Planckearly results. I. ThePlanckmission. Astronomy and Astrophysics, 2011, 536, A1.	5.1	394
201	Planckearly results. III. First assessment of the Low Frequency Instrument in-flight performance. Astronomy and Astrophysics, 2011, 536, A3.	5.1	108
202	Cosmic microwave background polarization as a probe of the anomalous nature of the cold spot. Monthly Notices of the Royal Astronomical Society, 2011, 410, 33-38.	4.4	14
203	Wilkinson Microwave Anisotropy Probe 7-yr constraints on fNL with a fast wavelet estimator. Monthly Notices of the Royal Astronomical Society, 2011, 411, 2019-2025.	4.4	10
204	Anomalous variance in the WMAP data and Galactic foreground residuals. Monthly Notices of the Royal Astronomical Society, 2011, 412, 2383-2390.	4.4	35
205	Planckearly results. IX.XMM-Newtonfollow-up for validation ofPlanckcluster candidates. Astronomy and Astrophysics, 2011, 536, A9.	5.1	126
206	Planckpre-launch status: ThePlanck-LFI programme. Astronomy and Astrophysics, 2010, 520, A3.	5.1	81
207	A Comprehensive Overview of the Cold Spot. Advances in Astronomy, 2010, 2010, 1-20.	1.1	49
208	Cosmic microwave background images. IEEE Signal Processing Magazine, 2010, 27, 67.	5.6	18
209	The QUIJOTE CMB Experiment. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 127-135.	0.3	28
210	Analysis of non-Gaussian cosmic microwave background maps based on the N-pdf. Application toWilkinson Microwave Anisotropy Probedata. Monthly Notices of the Royal Astronomical Society, 2009, 397, 837-848.	4.4	21
211	Non-Gaussianity analysis on local morphological measures of WMAP data. Monthly Notices of the Royal Astronomical Society, 2008, 385, 939-947.	4.4	27
212	A low cosmic microwave background variance in the Wilkinson Microwave Anisotropy Probe data. Monthly Notices of the Royal Astronomical Society, 2008, 387, 209-219.	4.4	50
213	The CMB cold spot: texture, cluster or void?. Monthly Notices of the Royal Astronomical Society, 2008, 390, 913-919.	4.4	73
214	Bianchi VIIhmodels and the cold spot texture. Monthly Notices of the Royal Astronomical Society, 2008, , .	4.4	5
215	A Linear Filter to Reconstruct the ISW Effect From CMB and LSS Observations. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 747-754.	10.8	16
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