William C Jones

List of Publications by Year
in descending order

223 papers	52,087 citations	2427 97 h-index	1857 209 g-index
224 all docs	224 docs citations	224 times ranked	21157 citing authors

#	Article	IF	Citations
1	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A13.	5.1	8,344
2	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A6.	5.1	6,722
3	Planck2013 results. XVI. Cosmological parameters. Astronomy and Astrophysics, 2014, 571, A16.	5.1	4,703
4	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A10.	5.1	1,261
5	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A20.	5.1	1,233
6	Planck2013 results. I. Overview of products and scientific results. Astronomy and Astrophysics, 2014, 571, A1.	5.1	948
7	Joint Analysis of BICEP2/Keck ArrayandPlanckData. Physical Review Letters, 2015, 114, 101301.	7.8	819
8	Planck2013 results. XXII. Constraints on inflation. Astronomy and Astrophysics, 2014, 571, A22.	5.1	806
9	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A1.	5.1	804
10	A Measurement by BOOMERANG of Multiple Peaks in the Angular Power Spectrum of the Cosmic Microwave Background. Astrophysical Journal, 2002, 571, 604-614.	4.5	751
11	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A1.	5.1	738
12	Planck 2018 results. Astronomy and Astrophysics, 2021, 652, C4.	5.1	627
13	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A11.	5.1	613
14	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A14.	5.1	568
15	Planck2013 results. XI. All-sky model of thermal dust emission. Astronomy and Astrophysics, 2014, 571, A11.	5.1	566
16	Planck 2018 results. Astronomy and Astrophysics, 2020, 641, A5.	5.1	558
17	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A27.	5.1	535
18	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A24.	5.1	525

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19	Planck2013 results. XX. Cosmology from Sunyaevâ€“Zeldovich cluster counts. Astronomy and Astrophysics, 2014, 571, A20.	5.1	465
20	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A17.	5.1	440
21	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A8.	5.1	400
22	Planckearly results. I. ThePlanckmission. Astronomy and Astrophysics, 2011, 536, A1.	5.1	394
23	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A10.	5.1	384
24	Planck2013 results. XXIX. ThePlanckcatalogue of Sunyaev-Zeldovich sources. Astronomy and Astrophysics, 2014, 571, A29.	5.1	380
25	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A108.	5.1	375
26	Planck2013 results. XXIII. Isotropy and statistics of the CMB. Astronomy and Astrophysics, 2014, 571, A23.	5.1	367
27	Planck2013 results. XV. CMB power spectra and likelihood. Astronomy and Astrophysics, 2014, 571, A15.	5.1	364
28	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A15.	5.1	360
29	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A107.	5.1	359
30	Planck2013 results. XXIV. Constraints on primordial non-Gaussianity. Astronomy and Astrophysics, 2014, 571, A24.	5.1	350
31	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A16.	5.1	338
32	Planckearly results. VIII. The all-sky early Sunyaev-Zeldovich cluster sample. Astronomy and Astrophysics, 2011, 536, A8.	5.1	335
33	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A9.	5.1	319
34	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
35	Planckintermediate results. XIX. An overview of the polarized thermal emission from Galactic dust. Astronomy and Astrophysics, 2015, 576, A104.	5.1	296
36	Multiple Peaks in the Angular Power Spectrum of the Cosmic Microwave Background: Significance and Consequences for Cosmology. Astrophysical Journal, 2002, 564, 559-566.	4.5	283

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37	Planckintermediate results. Astronomy and Astrophysics, 2013, 550, A131.	5.1	276
38	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A22.	5.1	274
39	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A19.	5.1	273
40	Planck2013 results. XVII. Gravitational lensing by large-scale structure. Astronomy and Astrophysics, 2014, 571, A17.	5.1	272
41	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A138.	5.1	270
42	Planckpre-launch status: ThePlanckmission. Astronomy and Astrophysics, 2010, 520, A1.	5.1	268
43	Planckearly results. VII. The Early Release Compact Source Catalogue. Astronomy and Astrophysics, 2011, 536, A7.	5.1	224
44	Planck2013 results. XXV. Searches for cosmic strings and other topological defects. Astronomy and Astrophysics, 2014, 571, A25.	5.1	223
45	Neutrino physics from the cosmic microwave background and large scale structure. Astroparticle Physics, 2015, 63, 66-80.	4.3	218
46	A Measurement of the CMB âŒ©EEâŒª Spectrum from the 2003 Flight of BOOMERANG. Astrophysical Journal, 2006, 647, 813-822.	4.5	217
47	Planck2013 results. XII. Diffuse component separation. Astronomy and Astrophysics, 2014, 571, A12.	5.1	216
48	Planck2013 results. XXX. Cosmic infrared background measurements and implications for star formation. Astronomy and Astrophysics, 2014, 571, A30.	5.1	210
49	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A8.	5.1	209
50	MEASUREMENT OF COSMIC MICROWAVE BACKGROUND POLARIZATION POWER SPECTRA FROM TWO YEARS OF BICEP DATA. Astrophysical Journal, 2010, 711, 1123-1140.	4.5	194
51	A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. Astrophysical Journal, 2006, 647, 823-832.	4.5	186
52	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A109.	5.1	185
53	Planckpre-launch status: The HFI instrument, from specification to actual performance. Astronomy and Astrophysics, 2010, 520, A9.	5.1	184
54	Planckearly results. XXV. Thermal dust in nearby molecular clouds. Astronomy and Astrophysics, 2011, 536, A25.	5.1	184

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55	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A9.	5.1	182
56	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A26.	5.1	182
57	Planckearly results. XVIII. The power spectrum of cosmic infrared background anisotropies. Astronomy and Astrophysics, 2011, 536, A18.	5.1	180
58	Planckearly results. XXIV. Dust in the diffuse interstellar medium and the Galactic halo. Astronomy and Astrophysics, 2011, 536, A24.	5.1	179
59	Planckearly results. XI. Calibration of the local galaxy cluster Sunyaev-Zeldovich scaling relations. Astronomy and Astrophysics, 2011, 536, A11.	5.1	174
60	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A133.	5.1	173
61	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A7.	5.1	172
62	Planck2013 results. XXVII. Doppler boosting of the CMB: Eppur si muove. Astronomy and Astrophysics, 2014, 571, A27.	5.1	170
63	Planck2013 results. XXVIII. ThePlanckCatalogue of Compact Sources. Astronomy and Astrophysics, 2014, 571, A28.	5.1	162
64	Cosmological Parameters from the 2003 Flight of BOOMERANG. Astrophysical Journal, 2006, 647, 799-812.	4.5	159
65	Planck 2018 results. Astronomy and Astrophysics, 2020, 641, A3.	5.1	158
66	Planckearly results. XX. New light on anomalous microwave emission from spinning dust grains. Astronomy and Astrophysics, 2011, 536, A20.	5.1	155
67	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A25.	5.1	153
68	Planckearly results. XXIII. The first all-sky survey of Galactic cold clumps. Astronomy and Astrophysics, 2011, 536, A23.	5.1	152
69	Planck2013 results. XIII. Galactic CO emission. Astronomy and Astrophysics, 2014, 571, A13.	5.1	144
70	Planckintermediate results. Astronomy and Astrophysics, 2013, 557, A52.	5.1	141
71	Planckearly results. IV. First assessment of the High Frequency Instrument in-flight performance. Astronomy and Astrophysics, 2011, 536, A4.	5.1	136
72	Planck intermediate results. Astronomy and Astrophysics, 2014, 566, A55.	5.1	134

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73	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A28.	5.1	134
74	Planck2013 results. XXI. Power spectrum and high-order statistics of thePlanckall-sky Compton parameter map. Astronomy and Astrophysics, 2014, 571, A21.	5.1	133
75	Planck intermediate results. Astronomy and Astrophysics, 2017, 607, A95.	5.1	131
76	Planck2013 results. IX. HFI spectral response. Astronomy and Astrophysics, 2014, 571, A9.	5.1	129
77	Planckintermediate results. XXII. Frequency dependence of thermalâ€‰emissionâ€‰fromâ€‰Galacticâ€‰dustâ€‰inâ€‰intensity and polarization. Astronomy and Astrophysics, 2015, 576, A107.	5.1	2015
78	Planck2013 results. XIX. The integrated Sachs-Wolfe effect. Astronomy and Astrophysics, 2014, 571, A19.	5.1	126
79	Planckearly results. X. Statistical analysis of Sunyaev-Zeldovich scaling relations for X-ray galaxy clusters. Astronomy and Astrophysics, 2011, 536, A10.	5.1	124
80	A Measurement of the Polarizationâ€Temperature Angular Crossâ€Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. Astrophysical Journal, 2006, 647, 833-839.	4.5	123
81	Planckearly results. XVII. Origin of the submillimetre excess dust emission in the Magellanic Clouds. Astronomy and Astrophysics, 2011, 536, A17.	5.1	123
82	Planck intermediate results. Astronomy and Astrophysics, 2020, 643, A42.	5.1	123
83	Planckearly results. XXI. Properties of the interstellar medium in the Galactic plane. Astronomy and Astrophysics, 2011, 536, A21.	5.1	119
84	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
85	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A11.	5.1	118
86	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A12.	5.1	117
87	Planckearly results. VI. The High Frequency Instrument data processing. Astronomy and Astrophysics, 2011, 536, A6.	5.1	116
88	Planck2013 results. XVIII. The gravitational lensing-infrared background correlation. Astronomy and Astrophysics, 2014, 571, A18.	5.1	116
89	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A21.	5.1	114
90	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A132.	5.1	109

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91	Planck2013 results. VIII. HFI photometric calibration and mapmaking. Astronomy and Astrophysics, 2014, 571, A8.	5.1	107
92	Planckintermediate results. Astronomy and Astrophysics, 2013, 554, A139.	5.1	106
93	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A12.	5.1	105
94	Planck2013 results. VI. High Frequency Instrument data processing. Astronomy and Astrophysics, 2014, 571, A6.	5.1	103
95	Improved Measurement of the Angular Power Spectrum of Temperature Anisotropy in the Cosmic Microwave Background from Two New Analyses of BOOMERANG Observations. Astrophysical Journal, 2003, 599, 786-805.	4.5	102
96	Planckintermediate results. Astronomy and Astrophysics, 2013, 554, A140.	5.1	101
97	Planckearly results. XII. Cluster Sunyaev-Zeldovich optical scaling relations. Astronomy and Astrophysics, 2011, 536, A12.	5.1	100
98	Planck2013 results. VII. HFI time response and beams. Astronomy and Astrophysics, 2014, 571, A7.	5.1	99
99	Instrument, method, brightness, and polarization maps from the 2003 flight of BOOMERanG. Astronomy and Astrophysics, 2006, 458, 687-716.	5.1	99
100	Planckintermediate results. Astronomy and Astrophysics, 2013, 550, A134.	5.1	94
101	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A7.	5.1	94
102	Planckearly results. II. The thermal performance ofPlanck. Astronomy and Astrophysics, 2011, 536, A2.	5.1	91
103	Planck2013 results. XXVI. Background geometry and topology of the Universe. Astronomy and Astrophysics, 2014, 571, A26.	5.1	91
104	Planck2013 results. XIV. Zodiacal emission. Astronomy and Astrophysics, 2014, 571, A14.	5.1	90
105	Inflation physics from the cosmic microwave background and large scale structure. Astroparticle Physics, 2015, 63, 55-65.	4.3	90
106	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A140.	5.1	89
107	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A23.	5.1	89
108	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A103.	5.1	89

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109	Planckearly results. XXII. The submillimetre properties of a sample of Galactic cold clumps. Astronomy and Astrophysics, 2011, 536, A22.	5.1	88
110	BOOMERANG: A Balloonâ€borne Millimeterâ€Wave Telescope and Total Power Receiver for Mapping Anisotropy in the Cosmic Microwave Background. Astrophysical Journal, Supplement Series, 2003, 148, 527-541.	7.7	86
111	Planckpre-launch status: High Frequency Instrument polarization calibration. Astronomy and Astrophysics, 2010, 520, A13.	5.1	82
112	Planckintermediate results. Astronomy and Astrophysics, 2014, 566, A54.	5.1	80
113	Planckintermediate results. Astronomy and Astrophysics, 2014, 561, A97.	5.1	80
114	Planckintermediate results. Astronomy and Astrophysics, 2015, 580, A22.	5.1	80
115	Planck2013 results. XXXII. The updatedPlanckcatalogue of Sunyaev-Zeldovich sources. Astronomy and Astrophysics, 2015, 581, A14.	5.1	80
116	CMB-S4: Forecasting Constraints on Primordial Gravitational Waves. Astrophysical Journal, 2022, 926, 54.	4.5	79
117	Planckearly results. XVI. ThePlanckview of nearby galaxies. Astronomy and Astrophysics, 2011, 536, A16.	5.1	74
118	Planck2013 results. II. Low Frequency Instrument data processing. Astronomy and Astrophysics, 2014, 571, A2.	5.1	74
119	The BOOMERanG experiment and the curvature of the universe. Progress in Particle and Nuclear Physics, 2002, 48, 243-261.	14.4	73
120	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
121	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A136.	5.1	72
122	Planck2018 results. Astronomy and Astrophysics, 2020, 641, A2.	5.1	72
123	Planck2013 results. XXXI. Consistency of thePlanckdata. Astronomy and Astrophysics, 2014, 571, A31.	5.1	69
124	Planck2015 results. Astronomy and Astrophysics, 2016, 594, A18.	5.1	69
125	Planck2013 results. X. HFI energetic particle effects: characterization, removal, and simulation. Astronomy and Astrophysics, 2014, 571, A10.	5.1	68
126	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

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127	Planck2013 results. V. LFI calibration. Astronomy and Astrophysics, 2014, 571, A5.	5.1	67
128	Planckintermediate results. XV. A study of anomalous microwave emission in Galactic clouds. Astronomy and Astrophysics, 2014, 565, A103.	5.1	67
129	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A110.	5.1	64
130	SPIDER: probing the early Universe with a suborbital polarimeter. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 047-047.	5.4	63
131	CHARACTERIZATION OF THE BICEP TELESCOPE FOR HIGH-PRECISION COSMIC MICROWAVE BACKGROUND POLARIMETRY. Astrophysical Journal, 2010, 711, 1141-1156.	4.5	62
132	Planckintermediate results. Astronomy and Astrophysics, 2015, 582, A31.	5.1	59
133	PROPERTIES OF GALACTIC CIRRUS CLOUDS OBSERVED BY BOOMERANG. Astrophysical Journal, 2010, 713, 959-969.	4.5	58
134	Planckintermediate results. XIV. Dust emission at millimetre wavelengths in the Galactic plane. Astronomy and Astrophysics, 2014, 564, A45.	5.1	55
135	Planckintermediate results. Astronomy and Astrophysics, 2016, 586, A141.	5.1	55
136	Planck2013 results. III. LFI systematic uncertainties. Astronomy and Astrophysics, 2014, 571, A3.	5.1	54
137	Self-calibration of BICEP1 three-year data and constraints on astrophysical polarization rotation. Physical Review D, 2014, 89, .	4.7	53
138	ANTENNA-COUPLED TES BOLOMETERS USED IN BICEP2,Keck Array, AND SPIDER. Astrophysical Journal, 2015, 812, 176.	4.5	53
139	Planckintermediate results. Astronomy and Astrophysics, 2013, 550, A133.	5.1	52
140	DEGREE-SCALE COSMIC MICROWAVE BACKGROUND POLARIZATION MEASUREMENTS FROM THREE YEARS OF BICEP1 DATA. Astrophysical Journal, 2014, 783, 67.	4.5	51
141	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A105.	5.1	47
142	A Polarization Sensitive Bolometric Receiver for Observations of the Cosmic Microwave Background. , 2003, , .		46
143	Planckintermediate results. XXVI. Optical identification and redshifts ofPlanckclusters with the RTT150 telescope. Astronomy and Astrophysics, 2015, 582, A29.	5.1	46
144	Planck intermediate results. Astronomy and Astrophysics, 2017, 599, A51.	5.1	46

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145	SPIDER: a balloon-borne CMB polarimeter for large angular scales. Proceedings of SPIE, 2010, , .	0.8	45
146	Planck2013 results. IV. Low Frequency Instrument beams and window functions. Astronomy and Astrophysics, 2014, 571, A4.	5.1	41
147	A New Limit on CMB Circular Polarization from SPIDER. Astrophysical Journal, 2017, 844, 151.	4.5	40
148	Planckintermediate results. Astronomy and Astrophysics, 2015, 580, A13.	5.1	37
149	Planckintermediate results. Astronomy and Astrophysics, 2013, 550, A130.	5.1	36
150	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A104.	5.1	36
151	SPIDER: a balloon-borne large-scale CMB polarimeter. Proceedings of SPIE, 2008, , .	0.8	35
152	SPIDER: CMB Polarimetry from the Edge of Space. Journal of Low Temperature Physics, 2018, 193, 1112-1121.	1.4	35
153	Initial test results on bolometers for the Planck high frequency instrument. Applied Optics, 2008, 47, 5996.	2.1	33
154	Planckintermediate results. Astronomy and Astrophysics, 2015, 582, A28.	5.1	33
155	Thermal conductivity of thermally-isolating polymeric and composite structural support materials between 0.3 and 4K. Cryogenics, 2008, 48, 448-454.	1.7	32
156	Planckpre-launch status: The optical architecture of the HFI. Astronomy and Astrophysics, 2010, 520, A11.	5.1	32
157	Planckpre-launch status: HFI beam expectations from the optical optimisation of the focal plane. Astronomy and Astrophysics, 2010, 520, A12.	5.1	32
158	Instrumental and analytic methods for bolometric polarimetry. Astronomy and Astrophysics, 2007, 470, 771-785.	5.1	29
159	A three-stage helium sorption refrigerator for cooling of infrared detectors to 280 mK. Cryogenics, 2000, 40, 685-691.	1.7	27
160	Planckpre-launch status: HFI ground calibration. Astronomy and Astrophysics, 2010, 520, A10.	5.1	25
161	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A102.	5.1	25
162	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A101.	5.1	24

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163	Planckintermediate results. Astronomy and Astrophysics, 2017, 607, A122.	5.1	24
164	A Constraint on Primordial B-modes from the First Flight of the Spider Balloon-borne Telescope. Astrophysical Journal, 2022, 927, 174.	4.5	24
165	The MAP Satellite Feed Horns. Astrophysical Journal, Supplement Series, 2002, 143, 567-576.	7.7	23
166	SPIDER: a new balloon-borne experiment to measure CMB polarization on large angular scales. , 2006, 6267, 239.		23
167	SpiderOptimization: Probing the Systematics of a Largeâ€ScaleBâ€Mode Experiment. Astrophysical Journal, 2008, 689, 655-665.	4.5	20
168	BOOMERanG constraints on primordial non-Gaussianity from analytical Minkowski functionals. Monthly Notices of the Royal Astronomical Society, 2010, 408, 1658-1665.	4.4	20
169	Planck intermediate results. Astronomy and Astrophysics, 2020, 644, A100.	5.1	20
170	Modeling and characterization of the SPIDER half-wave plate. Proceedings of SPIE, 2010, , .	0.8	19
171	Design and performance of the SPIDER instrument. Proceedings of SPIE, 2010, , .	0.8	19
172	Pre-flight integration and characterization of the SPIDER balloon-borne telescope. Proceedings of SPIE, 2014, , .	0.8	19
173	Impact of particles on thePlanckHFI detectors: Ground-based measurements and physical interpretation. Astronomy and Astrophysics, 2014, 569, A88.	5.1	19
174	Searching for Non-Gaussian Signals in the BOOMERANG 2003 CMB Maps. Astrophysical Journal, 2007, 670, L73-L76.	4.5	18
175	Planck intermediate results. Astronomy and Astrophysics, 2018, 619, A94.	5.1	18
176	PICO - the probe of inflation and cosmic origins. , 2018, , .		17
177	A cryogenic rotation stage with a large clear aperture for the half-wave plates in the Spider instrument. Review of Scientific Instruments, 2016, 87, 014501.	1.3	16
178	Planckintermediate results. Astronomy and Astrophysics, 2013, 550, A132.	5.1	15
179	SCIENTIFIC VERIFICATION OF FARADAY ROTATION MODULATORS: DETECTION OF DIFFUSE POLARIZED GALACTIC EMISSION. Astrophysical Journal, 2013, 765, 64.	4.5	14
180	The thermal design, characterization, and performance of the S pider long-duration balloon cryostat. Cryogenics, 2015, 72, 65-76.	1.7	14

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181	Measuring CMB polarization with Boomerang. New Astronomy Reviews, 2003, 47, 1057-1065.	12.8	13
182	Characterization and Physical Explanation of Energetic Particles on Planck HFI Instrument. Journal of Low Temperature Physics, 2014, 176, 773-786.	1.4	13
183	Planckintermediate results. XVIII. The millimetre and sub-millimetre emission from planetary nebulae. Astronomy and Astrophysics, 2015, 573, A6.	5.1	13
184	SUBDEGREE SUNYAEV-ZEL'DOVICH SIGNAL FROM MULTIFREQUENCY BOOMERANG OBSERVATIONS. Astrophysical Journal, 2009, 702, L61-L65.	4.5	10
185	Closed cycle cooling of infrared detectors to 250 mK. Cryogenics, 2002, 42, 113-122.	1.7	9
186	Observations of the temperature and polarization anisotropies with Boomerang 2003. New Astronomy Reviews, 2006, 50, 945-950.	12.8	9
187	CMB polarimetry with BICEP: instrument characterization, calibration, and performance. Proceedings of SPIE, 2008, , .	0.8	9
188	BICEP2/SPUD: searching for inflation with degree scale polarimetry from the South Pole. Proceedings of SPIE, 2008, , .	0.8	9
189	SPIDER OPTIMIZATION. II. OPTICAL, MAGNETIC, AND FOREGROUND EFFECTS. Astrophysical Journal, 2011, 738, 63.	4.5	9
190	280 GHz Focal Plane Unit Design and Characterization for the Spider-2 Suborbital Polarimeter. Journal of Low Temperature Physics, 2018, 193, 1075-1084.	1.4	9
191	Design of 280 GHz feedhorn-coupled TES arrays for the balloon-borne polarimeter SPIDER. Proceedings of SPIE, 2016, , .	0.8	9
192	Optical design of PICO: a concept for a space mission to probe inflation and cosmic origins. , 2018, , .		9
193	Pointing control for the SPIDER balloon-borne telescope. Proceedings of SPIE, 2014, , .	0.8	7
194	Absolute polarization angle calibration using polarized diffuse Galactic emission observed by BICEP. Proceedings of SPIE, 2010, , .	0.8	6
195	Robust diffraction-limited near-infrared-to-near-ultraviolet wide-field imaging from stratospheric balloon-borne platformsâ€"Super-pressure Balloon-borne Imaging Telescope performance. Review of Scientific Instruments, 2020, 91, 034501.	1.3	6
196	Overview, design, and flight results from SuperBIT: a high-resolution, wide-field, visible-to-near-UV balloon-borne astronomical telescope. , 2018, , .		6
197	Transition Edge Sensor Focal Plane Arrays for the BICEP2, Keck, and Spider CMB Polarimeters. IEEE Transactions on Applied Superconductivity, 2011, 21, 219-222.	1.7	5
198	Attitude determination for balloon-borne experiments. Proceedings of SPIE, 2014, , .	0.8	5

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199	Optical Night Sky Brightness Measurements from the Stratosphere. Astronomical Journal, 2020, 160, 266.	4.7	5
200	Antenna-coupled TES Arrays For The BICEP2âˆ•Keck and SPIDER polarimeters. , 2009, , .		4
201	Design and construction of a carbon fiber gondola for the SPIDER balloon-borne telescope. Proceedings of SPIE, 2014, , .	0.8	4
202	Characterization of the in-flight properties of the Planck telescope. Astronomy and Astrophysics, 2019, 622, A55.	5.1	4
203	Planck intermediate results. Astronomy and Astrophysics, 2020, 644, A99.	5.1	4
204	Auto-tuned thermal control on stratospheric balloon experiments. , 2018, , .		4
205	Antenna-coupled TES bolometers for the SPIDER experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 608-610.	1.6	3
206	Searching for non-Gaussian signals in the BOOMERanG 2003 CMB map: Preliminary results. New Astronomy Reviews, 2007, 51, 250-255.	12.8	3
207	Thermal architecture for the SPIDER flight cryostat. , 2010, , .		3
208	BLASTbus electronics: general-purpose readout and control for balloon-borne experiments. Proceedings of SPIE, 2014, , .	0.8	3
209	Design and pre-flight performance of SPIDER 280 GHz receivers. , 2020, , .		3
210	CMB polarization with Boomerang 2003. New Astronomy Reviews, 2007, 51, 244-249.	12.8	2
211	Probing primordial non Gaussianity in the BOOMERanG CMB maps: an analysis based on analytical Minkowski functionals. Nuclear Physics, Section B, Proceedings Supplements, 2009, 194, 278-286.	0.4	2
212	Characterization and Fabrication of the TES Arrays for the Spider, Keck and BICEP2 CMB Polarimeters. Journal of Low Temperature Physics, 2012, 167, 146-151.	1.4	2
213	Download by parachute: retrieval of assets from high altitude balloons. Journal of Instrumentation, 2020, 15, P05014-P05014.	1.2	2
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