

# François R Bouchet

## List of Publications by Year in descending order

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193  
papers

25,982  
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195  
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times ranked

13606  
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#	ARTICLE	IF	CITATIONS
1	<i>Planck</i> 2013 results. XVI. Cosmological parameters. <i>Astronomy and Astrophysics</i> , 2014, 571, A16.	5.1	4,703
2	<i>Planck</i> 2013 results. I. Overview of products and scientific results. <i>Astronomy and Astrophysics</i> , 2014, 571, A1.	5.1	948
3	Joint Analysis of BICEP2/Keck Array and <i>Planck</i> Data. <i>Physical Review Letters</i> , 2015, 114, 101301.	7.8	819
4	<i>Planck</i> 2013 results. XXII. Constraints on inflation. <i>Astronomy and Astrophysics</i> , 2014, 571, A22.	5.1	806
5	Dancing in the dark: galactic properties trace spin swings along the cosmic web. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 1453-1468.	4.4	614
6	<i>Planck</i> 2013 results. XI. All-sky model of thermal dust emission. <i>Astronomy and Astrophysics</i> , 2014, 571, A11.	5.1	566
7	<i>Planck</i> 2013 results. XX. Cosmology from Sunyaev-Zeldovich cluster counts. <i>Astronomy and Astrophysics</i> , 2014, 571, A20.	5.1	465
8	<i>Planck</i> early results. I. The <i>Planck</i> mission. <i>Astronomy and Astrophysics</i> , 2011, 536, A1.	5.1	394
9	<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
10	<i>Planck</i> 2013 results. XXIII. Isotropy and statistics of the CMB. <i>Astronomy and Astrophysics</i> , 2014, 571, A23.	5.1	367
11	<i>Planck</i> 2013 results. XV. CMB power spectra and likelihood. <i>Astronomy and Astrophysics</i> , 2014, 571, A15.	5.1	364
12	<i>Planck</i> 2013 results. XXIV. Constraints on primordial non-Gaussianity. <i>Astronomy and Astrophysics</i> , 2014, 571, A24.	5.1	350
13	Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. <i>Journal of High Energy Astrophysics</i> , 2022, 34, 49-211.	6.7	350
14	<i>Planck</i> early results. VIII. The all-sky early Sunyaev-Zeldovich cluster sample. <i>Astronomy and Astrophysics</i> , 2011, 536, A8.	5.1	335
15	<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
16	<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
17	Evidence for a Scaling Solution in Cosmic-String Evolution. <i>Physical Review Letters</i> , 1988, 60, 257-260.	7.8	280
18	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A19.	5.1	273

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19	<i>Planck</i> 2013 results. XVII. Gravitational lensing by large-scale structure. <i>Astronomy and Astrophysics</i> , 2014, 571, A17.	5.1	272
20	GALICS- I. A hybrid N-body/semi-analytic model of hierarchical galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 343, 75-106.	4.4	269
21	<i>Planck</i> pre-launch status: The <i>Planck</i> mission. <i>Astronomy and Astrophysics</i> , 2010, 520, A1.	5.1	268
22	The structure and dynamical evolution of dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 286, 865-884.	4.4	246
23	High-resolution simulations of cosmic-string evolution. i. Network evolution. <i>Physical Review D</i> , 1990, 41, 2408-2433.	4.7	243
24	Cosmological evolution of cosmic string loops. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 023-023.	5.4	234
25	<i>Planck</i> early results. VII. The Early Release Compact Source Catalogue. <i>Astronomy and Astrophysics</i> , 2011, 536, A7.	5.1	224
26	<i>Planck</i> 2013 results. XXV. Searches for cosmic strings and other topological defects. <i>Astronomy and Astrophysics</i> , 2014, 571, A25.	5.1	223
27	Semi-analytic modelling of galaxy evolution in the IR/submm range. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 295, 877-898.	4.4	222
28	<i>Planck</i> 2013 results. XII. Diffuse component separation. <i>Astronomy and Astrophysics</i> , 2014, 571, A12.	5.1	216
29	<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
30	Cosmological constraints from Archeops. <i>Astronomy and Astrophysics</i> , 2003, 399, L25-L30.	5.1	188
31	<i>Planck</i> pre-launch status: The HFI instrument, from specification to actual performance. <i>Astronomy and Astrophysics</i> , 2010, 520, A9.	5.1	184
32	<i>Planck</i> early results. XXV. Thermal dust in nearby molecular clouds. <i>Astronomy and Astrophysics</i> , 2011, 536, A25.	5.1	184
33	Cosmology intertwined III: $\int_0^z \frac{dz'}{H(z')}$ and $S_8$ . <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 131, 102604.	4.3	182
34	<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
35	<i>Planck</i> early results. XXIV. Dust in the diffuse interstellar medium and the Galactic halo. <i>Astronomy and Astrophysics</i> , 2011, 536, A24.	5.1	179
36	<i>Planck</i> early results. XI. Calibration of the local galaxy cluster Sunyaev-Zeldovich scaling relations. <i>Astronomy and Astrophysics</i> , 2011, 536, A11.	5.1	174

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37	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 586, A133.	5.1	173
38	The cosmic microwave background anisotropy power spectrum measured by Archeops. <i>Astronomy and Astrophysics</i> , 2003, 399, L19-L23.	5.1	170
39	<i>Planck</i> 2013 results. XXVII. Doppler boosting of the CMB: Eppur si muove. <i>Astronomy and Astrophysics</i> , 2014, 571, A27.	5.1	170
40	The pre-launch <i>Planck</i> Sky Model: a model of sky emission at submillimetre to centimetre wavelengths. <i>Astronomy and Astrophysics</i> , 2013, 553, A96.	5.1	166
41	<i>Planck</i> 2013 results. XXVIII. The <i>Planck</i> Catalogue of Compact Sources. <i>Astronomy and Astrophysics</i> , 2014, 571, A28.	5.1	162
42	Weakly nonlinear gravitational instability for arbitrary Omega. <i>Astrophysical Journal</i> , 1992, 394, L5.	4.5	161
43	<i>Planck</i> early results. XX. New light on anomalous microwave emission from spinning dust grains. <i>Astronomy and Astrophysics</i> , 2011, 536, A20.	5.1	155
44	<i>Planck</i> early results. XXIII. The first all-sky survey of Galactic cold clumps. <i>Astronomy and Astrophysics</i> , 2011, 536, A23.	5.1	152
45	Topology of microwave background fluctuations - Theory. <i>Astrophysical Journal</i> , 1990, 352, 1.	4.5	149
46	<i>Planck</i> 2013 results. XIII. Galactic CO emission. <i>Astronomy and Astrophysics</i> , 2014, 571, A13.	5.1	144
47	Cosmic-string evolution. <i>Physical Review Letters</i> , 1989, 63, 2776-2779.	7.8	143
48	Foreground separation methods for satellite observations of the cosmic microwave background. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 300, 1-29.	4.4	142
49	Foregrounds and CMB experiments. <i>New Astronomy</i> , 1999, 4, 443-479.	1.8	142
50	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2013, 557, A52.	5.1	141
51	PRISM (Polarized Radiation Imaging and Spectroscopy Mission): an extended white paper. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 006-006.	5.4	138
52	<i>Planck</i> early results. IV. First assessment of the High Frequency Instrument in-flight performance. <i>Astronomy and Astrophysics</i> , 2011, 536, A4.	5.1	136
53	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2014, 566, A55.	5.1	134
54	<i>Planck</i> 2013 results. XXI. Power spectrum and high-order statistics of the <i>Planck</i> all-sky Compton parameter map. <i>Astronomy and Astrophysics</i> , 2014, 571, A21.	5.1	133

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55	Reducing the $\langle m \rangle$ and $\langle m \rangle$ tensions with dark matter-neutrino interactions. <i>Physical Review D</i> , 2016, 97.	4.7	133
56	<i>Planck</i> 2013 results. IX. HFI spectral response. <i>Astronomy and Astrophysics</i> , 2014, 571, A9.	5.1	129
57	<i>Planck</i> intermediate results. XXII. Frequency dependence of thermal emission from Galactic dust in intensity and polarization. <i>Astronomy and Astrophysics</i> , 2015, 576, A107.	5.1	125
58	<i>Planck</i> 2013 results. XIX. The integrated Sachs-Wolfe effect. <i>Astronomy and Astrophysics</i> , 2014, 571, A19.	5.1	126
59	<i>Planck</i> early results. IX. <i>XMM-Newton</i> follow-up for validation of <i>Planck</i> cluster candidates. <i>Astronomy and Astrophysics</i> , 2011, 536, A9.	5.1	126
60	<i>Planck</i> early results. X. Statistical analysis of Sunyaev-Zeldovich scaling relations for X-ray galaxy clusters. <i>Astronomy and Astrophysics</i> , 2011, 536, A10.	5.1	124
61	<i>Planck</i> early results. XVII. Origin of the submillimetre excess dust emission in the Magellanic Clouds. <i>Astronomy and Astrophysics</i> , 2011, 536, A17.	5.1	123
62	MoMAF: the Mock Map Facility. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 360, 159-175.	4.4	119
63	<i>Planck</i> early results. XXI. Properties of the interstellar medium in the Galactic plane. <i>Astronomy and Astrophysics</i> , 2011, 536, A21.	5.1	119
64	<i>Planck</i> intermediate results. XX. Comparison of polarized thermal emission from Galactic dust with simulations of MHD turbulence. <i>Astronomy and Astrophysics</i> , 2015, 576, A105.	5.1	119
65	<i>Planck</i> early results. VI. The High Frequency Instrument data processing. <i>Astronomy and Astrophysics</i> , 2011, 536, A6.	5.1	116
66	<i>Planck</i> 2013 results. XVIII. The gravitational lensing-infrared background correlation. <i>Astronomy and Astrophysics</i> , 2014, 571, A18.	5.1	116
67	Skewness induced by gravity. <i>Astrophysical Journal</i> , 1993, 412, L9.	4.5	114
68	Precollapse scale invariance in gravitational instability. <i>Astrophysical Journal</i> , 1991, 382, 377.	4.5	113
69	Patterns of the cosmic microwave background from evolving string networks. <i>Nature</i> , 1988, 335, 410-414.	27.8	112
70	<i>Planck</i> early results. III. First assessment of the Low Frequency Instrument in-flight performance. <i>Astronomy and Astrophysics</i> , 2011, 536, A3.	5.1	108
71	<i>Planck</i> 2013 results. VIII. HFI photometric calibration and mapmaking. <i>Astronomy and Astrophysics</i> , 2014, 571, A8.	5.1	107
72	Weakly nonlinear Gaussian fluctuations and the edgeworth expansion. <i>Astrophysical Journal</i> , 1995, 442, 39.	4.5	106

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73	Dark-energy constraints and correlations with systematics from CFHTLS weak lensing, SNLS supernovae Ia and WMAP5. <i>Astronomy and Astrophysics</i> , 2009, 497, 677-688.	5.1	104
74	FIRBACK: III. Catalog, source counts, and cosmological implications of the 170 $\mu$ m ISO deep survey. <i>Astronomy and Astrophysics</i> , 2001, 372, 364-376.	5.1	104
75	<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
76	<i>Planck</i> 2013 results. VI. High Frequency Instrument data processing. <i>Astronomy and Astrophysics</i> , 2014, 571, A6.	5.1	103
77	Reentrant nematic transitions in cyano-octyloxybiphenyl (8OCB). <i>Physical Review A</i> , 1981, 23, 2594-2601.	2.5	100
78	<i>Planck</i> early results. XII. Cluster Sunyaev-Zeldovich optical scaling relations. <i>Astronomy and Astrophysics</i> , 2011, 536, A12.	5.1	100
79	<i>Planck</i> 2013 results. VII. HFI time response and beams. <i>Astronomy and Astrophysics</i> , 2014, 571, A7.	5.1	99
80	Small-angle CMB temperature anisotropies induced by cosmic strings. <i>Physical Review D</i> , 2008, 78, .	4.7	98
81	<i>Planck</i> early results. XV. Spectral energy distributions and radio continuum spectra of northern extragalactic radio sources. <i>Astronomy and Astrophysics</i> , 2011, 536, A15.	5.1	93
82	First detection of polarization of the submillimetre diffuse galactic dust emission by Archeops. <i>Astronomy and Astrophysics</i> , 2004, 424, 571-582.	5.1	93
83	Moments of the Counts Distribution in the 1.2 Jansky IRAS Galaxy Redshift Survey. <i>Astrophysical Journal</i> , 1993, 417, 36.	4.5	93
84	<i>Planck</i> early results. II. The thermal performance of <i>Planck</i> . <i>Astronomy and Astrophysics</i> , 2011, 536, A2.	5.1	91
85	<i>Planck</i> 2013 results. XXVI. Background geometry and topology of the Universe. <i>Astronomy and Astrophysics</i> , 2014, 571, A26.	5.1	91
86	<i>Planck</i> 2013 results. XIV. Zodiacal emission. <i>Astronomy and Astrophysics</i> , 2014, 571, A14.	5.1	90
87	Application of the Ewald method to cosmological N-body simulations. <i>Astrophysical Journal, Supplement Series</i> , 1991, 75, 231.	7.7	90
88	The optically dark side of galaxy formation. <i>Nature</i> , 1997, 390, 257-259.	27.8	88
89	<i>Planck</i> early results. XXII. The submillimetre properties of a sample of Galactic cold clumps. <i>Astronomy and Astrophysics</i> , 2011, 536, A22.	5.1	88
90	<i>Planck</i> 2013 results. XXXII. The updated <i>Planck</i> catalogue of Sunyaev-Zeldovich sources. <i>Astronomy and Astrophysics</i> , 2015, 581, A14.	5.1	80

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91	Self-Similarity and Scaling Behavior of Scale-free Gravitational Clustering. <i>Astrophysical Journal</i> , 1996, 465, 14.	4.5	80
92	Evidence against or for topological defects in the BOOMERanG data?. <i>Physical Review D</i> , 2001, 65, .	4.7	77
93	<i>Planck</i> early results. V. The Low Frequency Instrument data processing. <i>Astronomy and Astrophysics</i> , 2011, 536, A5.	5.1	77
94	<i>Planck</i> early results. XVI. The <i>Planck</i> view of nearby galaxies. <i>Astronomy and Astrophysics</i> , 2011, 536, A16.	5.1	74
95	<i>Planck</i> 2013 results. II. Low Frequency Instrument data processing. <i>Astronomy and Astrophysics</i> , 2014, 571, A2.	5.1	74
96	The Planck High Frequency Instrument, a third generation CMB experiment, and a full sky submillimeter survey. <i>New Astronomy Reviews</i> , 2003, 47, 1017-1024.	12.8	73
97	<i>Planck</i> early results. XXVI. Detection with <i>Planck</i> and confirmation by <i>XMM-Newton</i> of PLCKG266.6â€“27.3, an exceptionally X-ray luminous and massive galaxy cluster at <i>z</i>= 1. <i>Astronomy and Astrophysics</i> , 2011, 536, A26.	5.1	72
98	<i>Planck</i> 2013 results. XXXI. Consistency of the <i>Planck</i> data. <i>Astronomy and Astrophysics</i> , 2014, 571, A31.	5.1	69
99	Multifrequency Wiener filtering of cosmic microwave background data with polarization. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 302, 663-676.	4.4	68
100	<i>Planck</i> 2013 results. X. HFI energetic particle effects: characterization, removal, and simulation. <i>Astronomy and Astrophysics</i> , 2014, 571, A10.	5.1	68
101	<i>Planck</i> intermediate results. XXI. Comparison of polarized thermal emission from Galactic dust at 353 GHz with interstellar polarization in the visible. <i>Astronomy and Astrophysics</i> , 2015, 576, A106.	5.1	68
102	<i>Planck</i> 2013 results. V. LFI calibration. <i>Astronomy and Astrophysics</i> , 2014, 571, A5.	5.1	67
103	<i>Planck</i> intermediate results. XV. A study of anomalous microwave emission in Galactic clouds. <i>Astronomy and Astrophysics</i> , 2014, 565, A103.	5.1	67
104	The implications of the COBE diffuse microwave radiation results for cosmic strings. <i>Astrophysical Journal</i> , 1992, 399, L5.	4.5	64
105	MAPCLIMBA: A fast iterative multi-grid map-making algorithm for CMB experiments. <i>Astronomy and Astrophysics</i> , 2001, 374, 358-370.	5.1	63
106	Planck early results. XIV. ERCSC validation and extreme radio sources. <i>Astronomy and Astrophysics</i> , 2011, 536, A14.	5.1	61
107	CMB polarization can constrain cosmology better than CMB temperature. <i>Physical Review D</i> , 2014, 90, .	4.7	61
108	Archeops: a high resolution, large sky coverage balloon experiment for mapping cosmic microwave background anisotropies. <i>Astroparticle Physics</i> , 2002, 17, 101-124.	4.3	56

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109	Non-Gaussianity and Minkowski functionals: forecasts for Planck. Monthly Notices of the Royal Astronomical Society, 2013, 429, 2104-2126.	4.4	55
110	<i>Planck</i> intermediate results. XIV. Dust emission at millimetre wavelengths in the Galactic plane. Astronomy and Astrophysics, 2014, 564, A45.	5.1	55
111	<i>Planck</i> 2013 results. III. LFI systematic uncertainties. Astronomy and Astrophysics, 2014, 571, A3.	5.1	54
112	Temperature and polarization angular power spectra of Galactic dust radiation at 353 GHz as measured by Archeops. Astronomy and Astrophysics, 2005, 444, 327-336.	5.1	51
113	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2012, 543, A102.	5.1	50
114	<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
115	Phase-space structures - II. Hierarchical Structure Finder. Monthly Notices of the Royal Astronomical Society, 2009, 396, 1329-1348.	4.4	45
116	The effect of point sources on satellite observations of the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 1999, 306, 232-246.	4.4	44
117	The CMB temperature power spectrum from an improved analysis of the Archeops data. Astronomy and Astrophysics, 2005, 436, 785-797.	5.1	43
118	Constraints on the gravity-wave background generated by cosmic strings. Physical Review D, 1991, 43, 2733-2735.	4.7	42
119	<i>Planck</i> 2013 results. IV. Low Frequency Instrument beams and window functions. Astronomy and Astrophysics, 2014, 571, A4.	5.1	41
120	galics- III. Properties of Lyman-break galaxies at a redshift of 3. Monthly Notices of the Royal Astronomical Society, 2004, 352, 571-588.	4.4	39
121	A count probability cookbook: Spurious effects and the scaling model. Astrophysical Journal, Supplement Series, 1995, 96, 401.	7.7	38
122	Extended perturbation theory for the local density distribution function. Monthly Notices of the Royal Astronomical Society, 1997, 287, 241-252.	4.4	36
123	Previrialization: Perturbative and N-Body Results. Astrophysical Journal, 1996, 467, 1.	4.5	36
124	Millisecond-pulsar constraint on cosmic strings. Physical Review D, 1990, 41, 720-723.	4.7	34
125	Kurtosis of large-scale cosmic fields. Monthly Notices of the Royal Astronomical Society, 1995, 274, 730-744.	4.4	34
126	Planck pre-launch status: HFI beam expectations from the optical optimisation of the focal plane. Astronomy and Astrophysics, 2010, 520, A12.	5.1	32



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127	Omega from the skewness of the cosmic velocity divergence. Monthly Notices of the Royal Astronomical Society, 1995, 274, 20-26.	4.4	31
128	Elliptical beams in CMB temperature and polarization anisotropy experiments: An analytic approach. Physical Review D, 2002, 65, .	4.7	30
129	Cosmic microwave background constraints in light of priors over reionization histories. Astronomy and Astrophysics, 2018, 617, A96.	5.1	30
130	Kurtosis in large-scale structure as a constraint on non-Gaussian initial conditions. Monthly Notices of the Royal Astronomical Society, 1996, 279, 557-563.	4.4	29
131	Nonlinear matter clustering properties of a cold dark matter universe. Astrophysical Journal, 1991, 383, 19.	4.5	29
132	Gravity and count probabilities in an expanding universe. Astrophysical Journal, 1992, 400, 25.	4.5	29
133	The Design and Integrated Performance of SPT-3G. Astrophysical Journal, Supplement Series, 2022, 258, 42.	7.7	29
134	All sky CMB map from cosmic strings integrated Sachs-Wolfe effect. Physical Review D, 2012, 86, .	4.7	27
135	A comment on power-law inflation with a dark radiation component. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 011-011.	5.4	26
136	Cosmic microwave background polarization data and galactic foregrounds: estimation of cosmological parameters. Monthly Notices of the Royal Astronomical Society, 2000, 314, 348-353.	4.4	25
137	Probing cosmic microwave background non-Gaussianity using local curvature. Monthly Notices of the Royal Astronomical Society, 2003, 344, 905-916.	4.4	25
138	GLADE+ $\hat{\Lambda}$ : an extended galaxy catalogue for multimessenger searches with advanced gravitational-wave detectors. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1403-1411.	4.4	25
139	Archeops in-flight performance, data processing, and map making. Astronomy and Astrophysics, 2007, 467, 1313-1344.	5.1	24
140	Biasing and High-Order Statistics from the Southern $\hat{\Lambda}$ Sky Redshift Survey. Astrophysical Journal, 1999, 514, 563-578.	4.5	23
141	The $\hat{\Lambda}$ dependence of the velocity divergence distribution. Monthly Notices of the Royal Astronomical Society, 1997, 290, 566-576.	4.4	22
142	Multifractal Analysis of String-induced Cosmic Microwave Background Radiation Anisotropies. Astrophysical Journal, 1995, 449, 1.	4.5	22
143	Cosmological simulations using the hierarchical tree method. Astrophysical Journal, Supplement Series, 1988, 68, 521.	7.7	22
144	GALICS- V: Low- and high-order clustering in mock Sloan Digital Sky Surveys. Monthly Notices of the Royal Astronomical Society, 2006, 369, 1009-1020.	4.4	20

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145	<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
146	Using the COBE/DMR data as a test-bed for normality assessments. <i>Astronomy and Astrophysics</i> , 2001, 365, 341-346.	5.1	19
147	Cluster physics from joint weak gravitational lensing and Sunyaev-Zel'dovich data. <i>Astronomy and Astrophysics</i> , 2001, 375, 14-24.	5.1	19
148	Galaxy formation from kinky cosmic strings. <i>Astrophysical Journal</i> , 1990, 354, L41.	4.5	19
149	Cosmological N-body simulations with a tree code - Fluctuations in the linear and nonlinear regimes. <i>Astrophysical Journal, Supplement Series</i> , 1991, 75, 631.	7.7	19
150	Bayesian model comparison in cosmology with Population Monte Carlo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , .	4.4	18
151	Large scale CMB anomalies from thawing cosmic strings. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 033-033.	5.4	18
152	Phase-space structures - I. A comparison of 6D density estimators. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 393, 703-722.	4.4	16
153	Wavelet-Bayesian inference of cosmic strings embedded in the cosmic microwave background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 4081-4098.	4.4	16
154	A Multiscale pipeline for the search of string-induced CMB anisotropies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1010-1022.	4.4	16
155	CMB lensing bispectrum as a probe of modified gravity theories. <i>Physical Review D</i> , 2018, 98, .	4.7	16
156	Detection of Galactic and Extragalactic Millimeter-wavelength Transient Sources with SPT-3G. <i>Astrophysical Journal</i> , 2021, 916, 98.	4.5	16
157	Scale invariance and self-similar behavior of dark matter halos. <i>Astrophysical Journal</i> , 1995, 441, 10.	4.5	16
158	Microwave spectro-polarimetry of matter and radiation across space and time. <i>Experimental Astronomy</i> , 2021, 51, 1471-1514.	3.7	15
159	The Komatsu Spergel Wandelt estimator for oscillations in the cosmic microwave background bispectrum. <i>Astronomy and Astrophysics</i> , 2014, 570, A94.	5.1	15
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161	Angular correlation functions for models with logarithmic oscillations. <i>Physical Review D</i> , 2014, 89, .	4.7	14
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