

Jörg Paul Rachen

List of Publications by Year in descending order

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194
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#	ARTICLE	IF	CITATIONS
1	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A13.	5.1	8,344
2	<i>Planck</i> 2013 results. XVI. Cosmological parameters. Astronomy and Astrophysics, 2014, 571, A16.	5.1	4,703
3	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A20.	5.1	1,233
4	Joint Analysis of BICEP2/<i>Keck Array</i> and <i>Planck</i> Data. Physical Review Letters, 2015, 114, 101301.	7.8	819
5	<i>Planck</i> 2013 results. XXII. Constraints on inflation. Astronomy and Astrophysics, 2014, 571, A22.	5.1	806
6	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A1.	5.1	738
7	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A11.	5.1	613
8	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A14.	5.1	568
9	<i>Planck</i> 2013 results. XI. All-sky model of thermal dust emission. Astronomy and Astrophysics, 2014, 571, A11.	5.1	566
10	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A27.	5.1	535
11	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A24.	5.1	525
12	<i>Planck</i> 2013 results. XX. Cosmology from Sunyaev-Zeldovich cluster counts. Astronomy and Astrophysics, 2014, 571, A20.	5.1	465
13	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A17.	5.1	440
14	BL Lac objects in the synchrotron proton blazar model. Astroparticle Physics, 2003, 18, 593-613.	4.3	434
15	<i>Planck</i> early results. I. The <i>Planck</i> mission. Astronomy and Astrophysics, 2011, 536, A1.	5.1	394
16	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A10.	5.1	384
17	<i>Planck</i> 2013 results. XXIX. The <i>Planck</i> catalogue of Sunyaev-Zeldovich sources. Astronomy and Astrophysics, 2014, 571, A29.	5.1	380
18	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A108.	5.1	375

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19	<i>Planck</i> 2013 results. XXIII. Isotropy and statistics of the CMB. <i>Astronomy and Astrophysics</i> , 2014, 571, A23.	5.1	367
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> 2013 results. XXIV. Constraints on primordial non-Gaussianity. <i>Astronomy and Astrophysics</i> , 2014, 571, A24.	5.1	350
24	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A16.	5.1	338
25	<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
26	Monte Carlo simulations of photohadronic processes in astrophysics. <i>Computer Physics Communications</i> , 2000, 124, 290-314.	7.5	318
27	<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
28	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2013, 550, A131.	5.1	276
29	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A22.	5.1	274
30	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A19.	5.1	273
31	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 586, A138.	5.1	270
32	<i>Planck</i> pre-launch status: The <i>Planck</i> mission. <i>Astronomy and Astrophysics</i> , 2010, 520, A1.	5.1	268
33	Cosmic ray bound for models of extragalactic neutrino production. <i>Physical Review D</i> , 2000, 63, .	4.7	257
34	Photohadronic neutrinos from transients in astrophysical sources. <i>Physical Review D</i> , 1998, 58, .	4.7	253
35	<i>Planck</i> early results. VII. The Early Release Compact Source Catalogue. <i>Astronomy and Astrophysics</i> , 2011, 536, A7.	5.1	224
36	<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

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37	<i>Planck</i> 2013 results. XII. Diffuse component separation. <i>Astronomy and Astrophysics</i> , 2014, 571, A12.	5.1	216
38	<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
39	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A8.	5.1	209
40	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 596, A109.	5.1	185
41	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A9.	5.1	182
42	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A26.	5.1	182
43	<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
44	<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
45	<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
46	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 586, A133.	5.1	173
47	<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
48	Simultaneous <i>Planck</i> , <i>Swift</i> , and <i>Fermi</i> observations of X-ray and γ -ray selected blazars. <i>Astronomy and Astrophysics</i> , 2012, 541, A160.	5.1	166
49	<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
50	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A25.	5.1	153
51	<i>Planck</i> 2013 results. XIII. Galactic CO emission. <i>Astronomy and Astrophysics</i> , 2014, 571, A13.	5.1	144
52	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2013, 557, A52.	5.1	141
53	Arrival Directions of the Most Energetic Cosmic Rays. <i>Physical Review Letters</i> , 1995, 75, 3056-3059.	7.8	140
54	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2014, 566, A55.	5.1	134

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55	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A28.	5.1	134
56	<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
57	<i>Planck </i>intermediate results. Astronomy and Astrophysics, 2017, 607, A95.	5.1	131
58	<i>Planck</i> 2013 results. IX. HFI spectral response. Astronomy and Astrophysics, 2014, 571, A9.	5.1	129
59	<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
60	Propagation of ultrahigh energy protons in the nearby universe. Physical Review D, 2000, 62, .	4.7	126
61	<i>Planck</i> 2013 results. XIX. The integrated Sachs-Wolfe effect. Astronomy and Astrophysics, 2014, 571, A19.	5.1	126
62	<i>Planck</i> early results. XXI. Properties of the interstellar medium in the Galactic plane. Astronomy and Astrophysics, 2011, 536, A21.	5.1	119
63	<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
64	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A12.	5.1	117
65	<i>Planck</i> 2013 results. XVIII. The gravitational lensing-infrared background correlation. Astronomy and Astrophysics, 2014, 571, A18.	5.1	116
66	A large light-mass component of cosmic rays at 10^{17} – $10^{17.5}$ electronvolts from radio observations. Nature, 2016, 531, 70-73.	27.8	116
67	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A21.	5.1	114
68	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 586, A132.	5.1	109
69	<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
70	<i>Planck</i> 2013 results. VIII. HFI photometric calibration and mapmaking. Astronomy and Astrophysics, 2014, 571, A8.	5.1	107
71	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2013, 554, A139.	5.1	106
72	<i>Planck</i> early results. XIII. Statistical properties of extragalactic radio sources in the <i>Planck</i> Early Release Compact Source Catalogue. Astronomy and Astrophysics, 2011, 536, A13.	5.1	103

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73	<i>Planck</i> 2013 results. VI. High Frequency Instrument data processing. Astronomy and Astrophysics, 2014, 571, A6.	5.1	103
74	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2013, 554, A140.	5.1	101
75	<i>Planck</i> 2013 results. VII. HFI time response and beams. Astronomy and Astrophysics, 2014, 571, A7.	5.1	99
76	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2013, 550, A134.	5.1	94
77	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A7.	5.1	94
78	<i>Planck</i> early results. XV. Spectral energy distributions and radio continuum spectra of northern extragalactic radio sources. Astronomy and Astrophysics, 2011, 536, A15.	5.1	93
79	Method for high precision reconstruction of air shower χ^2 two-dimensional radio intensity profiles. Physical Review D, 2014, 90, .	4.7	92
80	Cosmic-ray energy spectrum and composition up to the ankle: the case for a second Galactic component. Astronomy and Astrophysics, 2016, 595, A33.	5.1	92
81	<i>Planck</i> early results. II. The thermal performance of <i>Planck</i>. Astronomy and Astrophysics, 2011, 536, A2.	5.1	91
82	<i>Planck</i> 2013 results. XXVI. Background geometry and topology of the Universe. Astronomy and Astrophysics, 2014, 571, A26.	5.1	91
83	<i>Planck</i> 2013 results. XIV. Zodiacal emission. Astronomy and Astrophysics, 2014, 571, A14.	5.1	90
84	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 586, A140.	5.1	89
85	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A23.	5.1	89
86	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A103.	5.1	89
87	<i>Planck</i> pre-launch status: The <i>Planck</i>-LFI programme. Astronomy and Astrophysics, 2010, 520, A3.	5.1	81
88	Contributions to the cosmic ray flux above the ankle: clusters of galaxies. Monthly Notices of the Royal Astronomical Society, 1997, 286, 257-267.	4.4	80
89	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2014, 566, A54.	5.1	80
90	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2014, 561, A97.	5.1	80

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91	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2015, 580, A22.	5.1	80
92	<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
93	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A2.	5.1	79
94	<i>Planck</i> early results. V. The Low Frequency Instrument data processing. <i>Astronomy and Astrophysics</i> , 2011, 536, A5.	5.1	77
95	<i>Planck</i> 2013 results. II. Low Frequency Instrument data processing. <i>Astronomy and Astrophysics</i> , 2014, 571, A2.	5.1	74
96	Photohadronic Processes in Astrophysical Environments. <i>Publications of the Astronomical Society of Australia</i> , 1999, 16, 160-166.	3.4	73
97	<i>Planck</i> early results. XXVI. Detection with <i>Planck</i> and confirmation by <i>XMM-Newton</i> of PLCKG266.6+27.3, an exceptionally X-ray luminous and massive galaxy cluster at $z \approx 1$. <i>Astronomy and Astrophysics</i> , 2011, 536, A26.	5.1	72
98	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2015, 582, A30.	5.1	72
99	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 586, A136.	5.1	72
100	<i>Planck</i> 2013 results. XXXI. Consistency of the <i>Planck</i> data. <i>Astronomy and Astrophysics</i> , 2014, 571, A31.	5.1	69
101	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A18.	5.1	69
102	<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
103	<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
104	<i>Planck</i> 2013 results. V. LFI calibration. <i>Astronomy and Astrophysics</i> , 2014, 571, A5.	5.1	67
105	<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
106	Needle-like structures discovered on positively charged lightning branches. <i>Nature</i> , 2019, 568, 360-363.	27.8	67
107	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 596, A110.	5.1	64
108	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2013, 550, A129.	5.1	63

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109	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A6.	5.1	62
110	Planckearly results. XIV. ERCSC validation and extreme radio sources. Astronomy and Astrophysics, 2011, 536, A14.	5.1	61
111	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2015, 582, A31.	5.1	59
112	Polarized radio emission from extensive air showers measured with LOFAR. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 014-014.	5.4	58
113	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A4.	5.1	56
114	<i>Planck</i> intermediate results. XIV. Dust emission at millimetre wavelengths in the Galactic plane. Astronomy and Astrophysics, 2014, 564, A45.	5.1	55
115	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 586, A141.	5.1	55
116	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A5.	5.1	55
117	<i>Planck</i> 2013 results. III. LFI systematic uncertainties. Astronomy and Astrophysics, 2014, 571, A3.	5.1	54
118	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A3.	5.1	53
119	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2013, 550, A133.	5.1	52
120	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2012, 543, A102.	5.1	50
121	IMAGINE: a comprehensive view of the interstellar medium, Galactic magnetic fields and cosmic rays. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 049-049.	5.4	49
122	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 586, A134.	5.1	48
123	The shape of the radio wavefront of extensive air showers as measured with LOFAR. Astroparticle Physics, 2015, 61, 22-31.	4.3	47
124	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A105.	5.1	47
125	<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
126	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2017, 599, A51.	5.1	46

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127	Ultra-high-energy cosmic rays from radio galaxies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 036-036.	5.4	46
128	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 596, A100.	5.1	44
129	<i>Planck</i> 2013 results. IV. Low Frequency Instrument beams and window functions. <i>Astronomy and Astrophysics</i> , 2014, 571, A4.	5.1	41
130	Probing Atmospheric Electric Fields in Thunderstorms through Radio Emission from Cosmic-Ray-Induced Air Showers. <i>Physical Review Letters</i> , 2015, 114, 165001.	7.8	41
131	Calibrating the absolute amplitude scale for air showers measured at LOFAR. <i>Journal of Instrumentation</i> , 2015, 10, P11005-P11005.	1.2	38
132	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2015, 580, A13.	5.1	37
133	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 596, A104.	5.1	36
134	Constraints on the low frequency spectrum of FRB 121102. <i>Astronomy and Astrophysics</i> , 2019, 623, A42.	5.1	35
135	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2015, 582, A28.	5.1	33
136	The radio emission pattern of air showers as measured with LOFAR—a tool for the reconstruction of the energy and the shower maximum. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 018-018.	5.4	33
137	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 586, A139.	5.1	32
138	Long-term variability of extragalactic radio sources in the <i>Planck</i> Early Release Compact Source Catalogue. <i>Astronomy and Astrophysics</i> , 2013, 553, A107.	5.1	28
139	Radio Emission Reveals Inner Meter-Scale Structure of Negative Lightning Leader Steps. <i>Physical Review Letters</i> , 2020, 124, 105101.	7.8	28
140	Measurement of the circular polarization in radio emission from extensive air showers confirms emission mechanisms. <i>Physical Review D</i> , 2016, 94, .	4.7	27
141	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 596, A102.	5.1	25
142	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 596, A101.	5.1	24
143	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2017, 607, A122.	5.1	24
144	LOFAR Lightning Imaging: Mapping Lightning With Nanosecond Precision. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 2861-2876.	3.3	24

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145	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2018, 617, A48.	5.1	22
146	A physical approach to modelling large-scale galactic magnetic fields. Astronomy and Astrophysics, 2019, 623, A113.	5.1	21
147	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2013, 550, A128.	5.1	20
148	<i>Planck</i> intermediate results. XII: Diffuse Galactic components in the Gould Belt system. Astronomy and Astrophysics, 2013, 557, A53.	5.1	19
149	Depth of shower maximum and mass composition of cosmic rays from 50ÂPeV to 2ÂEeV measured with the LOFAR radio telescope. Physical Review D, 2021, 103, .	4.7	19
150	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2018, 619, A94.	5.1	18
151	Influence of atmospheric electric fields on the radio emission from extensive air showers. Physical Review D, 2016, 93, .	4.7	16
152	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2013, 550, A132.	5.1	15
153	The effect of the atmospheric refractive index on the radio signal of extensive air showers. Astroparticle Physics, 2017, 89, 23-29.	4.3	15
154	Measurement of the cosmic-ray energy spectrum above 1016ÂeV with the LOFAR Radboud Air Shower Array. Astroparticle Physics, 2016, 73, 34-43.	4.3	14
155	The FRATS project: real-time searches for fast radio bursts and other fast transients with LOFAR at 135 MHz. Astronomy and Astrophysics, 2019, 621, A57.	5.1	14
156	<i>Planck</i> intermediate results. XVIII. The millimetre and sub-millimetre emission from planetary nebulae. Astronomy and Astrophysics, 2015, 573, A6.	5.1	13
157	Calibration of the LOFAR low-band antennas using the Galaxy and a model of the signal chain. Astroparticle Physics, 2019, 111, 1-11.	4.3	13
158	Cosmic rays and neutrinos from gamma-ray bursts. , 1998, , .		11
159	Timing calibration and spectral cleaning of LOFAR time series data. Astronomy and Astrophysics, 2016, 590, A41.	5.1	8
160	Thunderstorm electric fields probed by extensive air showers through their polarized radio emission. Physical Review D, 2017, 95, .	4.7	8
161	IMAGINE: Modeling the Galactic Magnetic Field. Galaxies, 2019, 7, 17.	3.0	8
162	Determining Electric Fields in Thunderclouds With the Radiotelescope LOFAR. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031433.	3.3	8

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163	The mass composition of cosmic rays measured with LOFAR. EPJ Web of Conferences, 2017, 136, 02001.	0.3	3
164	Precision study of radio emission from air showers at LOFAR. EPJ Web of Conferences, 2017, 136, 02012.	0.3	2
165	Search for Cosmic Particles with the Moon and LOFAR. EPJ Web of Conferences, 2017, 135, 04003.	0.3	2
166	Measuring the cosmic ray mass composition with LOFAR. , 2016, , .		2
167	Possible Extragalactic Sources of the Highest Energy Cosmic Raysa. Annals of the New York Academy of Sciences, 1995, 759, 468-471.	3.8	1
168	Lightning Imaging with LOFAR. EPJ Web of Conferences, 2017, 135, 03003.	0.3	1
169	Circular polarization of radio emission from air showers in thunderstorm conditions. EPJ Web of Conferences, 2017, 135, 03002.	0.3	1
170	Realtime processing of LOFAR data for the detection of nano-second pulses from the Moon. Journal of Physics: Conference Series, 2017, 898, 032004.	0.4	1
171	A study of the energy spectrum and composition of cosmic rays up to the highest energies. , 2016, , .		1
172	A lateral distribution function for the radio emission of air showers. , 2016, , .		1
173	Characterisation of the radio frequency spectrum emitted by high energy air showers with LOFAR. , 2017, , .		1
174	Cosmic ray mass composition with LOFAR. , 2017, , .		1
175	Bayesian classification of astronomical objects - and what is behind it. , 2013, , .		0
176	A new way of air shower detection: measuring the properties of cosmic rays with LOFAR. Journal of Physics: Conference Series, 2015, 632, 012018.	0.4	0
177	Blind Search for Variability in Planck Data. Proceedings of the International Astronomical Union, 2015, 11, 62-63.	0.0	0
178	Measurement of cosmic rays with LOFAR. Journal of Physics: Conference Series, 2016, 718, 052035.	0.4	0
179	Cosmic Ray Mass Measurements with LOFAR. EPJ Web of Conferences, 2017, 135, 01009.	0.3	0
180	Towards real-time identification of cosmic rays with LOw-Frequency ARray radio antennas. EPJ Web of Conferences, 2017, 135, 01011.	0.3	0

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181	TEC, Trigger and Check, preparing LOFAR for Lunar observations. EPJ Web of Conferences, 2017, 135, 04004.	0.3	0
182	The influence of the atmospheric refractive index on radioXmaxmeasurements of air showers. EPJ Web of Conferences, 2017, 135, 01012.	0.3	0
183	A study of radio frequency spectrum emitted by high energy air showers with LOFAR. EPJ Web of Conferences, 2017, 135, 01010.	0.3	0
184	Status of the Lunar Detection Mode for Cosmic Particles of LOFAR. Journal of Physics: Conference Series, 2019, 1181, 012077.	0.4	0
185	Cosmic Ray Physics with the LOFAR Radio Telescope. Journal of Physics: Conference Series, 2019, 1181, 012020.	0.4	0
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