

Jörg Häsel

List of Publications by Year in descending order

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309
papers

9,955
citations

38742

50
h-index

39675

94
g-index

313
all docs

313
docs citations

313
times ranked

3828
citing authors

#	ARTICLE	IF	CITATIONS
1	The Relationship of Lightning Radio Pulse Amplitudes and Source Altitudes as Observed by LOFAR. <i>Earth and Space Science</i> , 2022, 9, e2021EA001958.	2.6	3
2	Design, upgrade and characterization of the silicon photomultiplier front-end for the AMIGA detector at the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2021, 16, P01026-P01026.	1.2	13
3	Final results of the LOPES radio interferometer for cosmic-ray air showers. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	12
4	The Initial Stage of Cloud Lightning Imaged in High-Resolution. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033126.	3.3	20
5	Needle Propagation and Twinkling Characteristics. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034252.	3.3	10
6	The FRAM robotic telescope for atmospheric monitoring at the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2021, 16, P06027.	1.2	2
7	Deep-learning based reconstruction of the shower maximum X_{max} using the water-Cherenkov detectors of the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2021, 16, P07019.	1.2	16
8	A distinct negative leader propagation mode. <i>Scientific Reports</i> , 2021, 11, 16256.	3.3	9
9	The energy spectrum of cosmic rays beyond the turn-down around 10^{17} eV as measured with the surface detector of the Pierre Auger Observatory. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	44
10	Features of the Energy Spectrum of Cosmic Rays above 2.5×10^{18} eV Using the Pierre Auger Observatory. <i>Physical Review Letters</i> , 2020, 125, 121106.	7.8	79
11	LOFAR 144-MHz follow-up observations of GW170817. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 5110-5117.	4.4	6
12	Reconstructing air shower parameters with LOFAR using event specific GDAS atmosphere. <i>Astroparticle Physics</i> , 2020, 123, 102470.	4.3	10
13	A 3-Year Sample of Almost 1,600 Elves Recorded Above South America by the Pierre Auger Cosmic-Ray Observatory. <i>Earth and Space Science</i> , 2020, 7, e2019EA000582.	2.6	9
14	Radio Emission Reveals Inner Meter-Scale Structure of Negative Lightning Leader Steps. <i>Physical Review Letters</i> , 2020, 124, 105101.	7.8	28
15	Determining Electric Fields in Thunderclouds With the Radiotelescope LOFAR. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031433.	3.3	8
16	On the cosmic-ray energy scale of the LOFAR radio telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 017-017.	5.4	7
17	Determining the fraction of cosmic-ray protons at ultrahigh energies with cosmogenic neutrinos. <i>Physical Review D</i> , 2019, 100, .	4.7	40
18	An analytic description of the radio emission of air showers based on its emission mechanisms. <i>EPJ Web of Conferences</i> , 2019, 216, 03001.	0.3	0

#	ARTICLE	IF	CITATIONS
19	Probing the origin of ultra-high-energy cosmic rays with neutrinos in the EeV energy range using the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 022-022.	5.4	64
20	The FRATS project: real-time searches for fast radio bursts and other fast transients with LOFAR at 135 MHz. <i>Astronomy and Astrophysics</i> , 2019, 621, A57.	5.1	14
21	Towards real-time cosmic-ray identification with the LOw Frequency ARay. <i>EPJ Web of Conferences</i> , 2019, 216, 04005.	0.3	2
22	Radio detection of extensive air showers. <i>EPJ Web of Conferences</i> , 2019, 216, 01003.	0.3	1
23	A new parametrization for the radio emission of air showers applied to LOFAR data. <i>EPJ Web of Conferences</i> , 2019, 216, 03011.	0.3	0
24	Summary of the main results of the KASCADE and KASCADE-Grande experiments. <i>EPJ Web of Conferences</i> , 2019, 208, 03002.	0.3	3
25	Recent results from the KASCADE-Grande data analysis. <i>EPJ Web of Conferences</i> , 2019, 208, 04005.	0.3	0
26	Study of the muon content of high-energy air showers with KASCADE-Grande. <i>EPJ Web of Conferences</i> , 2019, 208, 06003.	0.3	0
27	Status and perspectives of the radio detection of highenergy cosmic rays. <i>EPJ Web of Conferences</i> , 2019, 209, 01051.	0.3	0
28	Precision measurements of cosmic rays up to the highest energies with a large radio array at the Pierre Auger Observatory. <i>EPJ Web of Conferences</i> , 2019, 210, 06005.	0.3	3
29	Search for Large-scale Anisotropy in the Arrival Direction of Cosmic Rays with KASCADE-Grande. <i>Astrophysical Journal</i> , 2019, 870, 91.	4.5	12
30	Needle-like structures discovered on positively charged lightning branches. <i>Nature</i> , 2019, 568, 360-363.	27.8	67
31	Cosmic Ray Physics with the LOFAR Radio Telescope. <i>Journal of Physics: Conference Series</i> , 2019, 1181, 012020.	0.4	0
32	IMAGINE: Modeling the Galactic Magnetic Field. <i>Galaxies</i> , 2019, 7, 17.	3.0	8
33	Calibration of the LOFAR low-band antennas using the Galaxy and a model of the signal chain. <i>Astroparticle Physics</i> , 2019, 111, 1-11.	4.3	13
34	Radio detection of extensive air showers – Measuring the properties of cosmic rays with the radio technique at LOFAR and the Pierre Auger Observatory. <i>Nuclear and Particle Physics Proceedings</i> , 2019, 306-308, 108-115.	0.5	0
35	An analytic description of the radio emission of air showers based on its emission mechanisms. <i>Astroparticle Physics</i> , 2019, 104, 64-77.	4.3	17
36	Tests of the SIBYLL 2.3 high-energy hadronic interaction model using the KASCADE-Grande muon data. <i>EPJ Web of Conferences</i> , 2018, 172, 07003.	0.3	1

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37	Cosmic Ray Physics with the KASCADE-Grande Observatory. , 2018, , .		0
38	The KASCADE Cosmic-ray Data Centre KCDC: granting open access to astroparticle physics research data. European Physical Journal C, 2018, 78, 1.	3.9	22
39	Observation of inclined EeV air showers with the radio detector of the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 026-026.	5.4	30
40	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
41	The effect of the atmospheric refractive index on the radio signal of extensive air showers. Astroparticle Physics, 2017, 89, 23-29.	4.3	15
42	Combined fit of spectrum and composition data as measured by the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 038-038.	5.4	191
43	Muon counting using silicon photomultipliers in the AMIGA detector of the Pierre Auger observatory. Journal of Instrumentation, 2017, 12, P03002-P03002.	1.2	16
44	Search for photons with energies above 10^{18} eV using the hybrid detector of the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 009-009.	5.4	49
45	Cosmic Ray Mass Measurements with LOFAR. EPJ Web of Conferences, 2017, 135, 01009.	0.3	0
46	A Targeted Search for Point Sources of EeV Photons with the Pierre Auger Observatory. Astrophysical Journal Letters, 2017, 837, L25.	8.3	21
47	KASCADE-Grande Limits on the Isotropic Diffuse Gamma-Ray Flux between 100 TeV and 1 EeV. Astrophysical Journal, 2017, 848, 1.	4.5	57
48	Spectral calibration of the fluorescence telescopes of the Pierre Auger Observatory. Astroparticle Physics, 2017, 95, 44-56.	4.3	7
49	Probing the evolution of the EAS muon content in the atmosphere with KASCADE-Grande. Astroparticle Physics, 2017, 95, 25-43.	4.3	42
50	Muon density measurements for the light and heavy mass groups of cosmic rays at the KASCADE-Grande observatory. Nuclear and Particle Physics Proceedings, 2017, 291-293, 152-157.	0.5	0
51	KASCADE-Grande energy reconstruction based on the lateral density distribution using the QGSJet-II.04 interaction model. AIP Conference Proceedings, 2017, , .	0.4	1
52	Towards real-time identification of cosmic rays with LOw-Frequency ARray radio antennas. EPJ Web of Conferences, 2017, 135, 01011.	0.3	0
53	The mass composition of cosmic rays measured with LOFAR. EPJ Web of Conferences, 2017, 136, 02001.	0.3	3
54	Calibration of the logarithmic-periodic dipole antenna (LPDA) radio stations at the Pierre Auger Observatory using an octocopter. Journal of Instrumentation, 2017, 12, T10005-T10005.	1.2	21

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55	The influence of the atmospheric refractive index on radioXmaxmeasurements of air showers. EPJ Web of Conferences, 2017, 135, 01012.	0.3	0
56	Precision study of radio emission from air showers at LOFAR. EPJ Web of Conferences, 2017, 136, 02012.	0.3	2
57	A study of radio frequency spectrum emitted by high energy air showers with LOFAR. EPJ Web of Conferences, 2017, 135, 01010.	0.3	0
58	KASCADE-Grande: Composition studies in the view of the post-LHC hadronic interaction models. EPJ Web of Conferences, 2017, 145, 13001.	0.3	0
59	Interferometric Radio Measurements of Air Showers with LOPES: Final Results. , 2017, , .		2
60	Simulation of the Radiation Energy Release in Air Showers. EPJ Web of Conferences, 2017, 135, 01016.	0.3	3
61	KASCADE-Grande: Composition studies in the view of the post-LHC hadronic interaction models. EPJ Web of Conferences, 2017, 145, 13001.	0.3	0
62	Measurement of cosmic rays with LOFAR. Journal of Physics: Conference Series, 2016, 718, 052035.	0.4	0
63	Timing calibration and spectral cleaning of LOFAR time series data. Astronomy and Astrophysics, 2016, 590, A41.	5.1	8
64	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
65	Simulation of radiation energy release in air showers. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 024-024.	5.4	42
66	KASCADE-Grande Review, Recent Results, Future Endeavors. , 2016, , .		0
67	KASCADE-Grande experiment measurements of the cosmic ray spectrum and large scale anisotropy. Nuclear and Particle Physics Proceedings, 2016, 279-281, 56-62.	0.5	3
68	A comparison of the cosmic-ray energy scales of Tunka-133 and KASCADE-Grande via their radio extensions Tunka-Rex and LOPES. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 179-185.	4.1	32
69	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
70	Evidence for a mixed mass composition at the "ankle"™ in the cosmic-ray spectrum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 288-295.	4.1	84
71	Measurement of the Radiation Energy in the Radio Signal of Extensive Air Showers as a Universal Estimator of Cosmic-Ray Energy. Physical Review Letters, 2016, 116, 241101.	7.8	91
72	Measurement of the cosmic-ray energy spectrum above 10^{16} eV with the LOFAR Radboud Air Shower Array. Astroparticle Physics, 2016, 73, 34-43.	4.3	14

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73	Improved absolute calibration of LOPES measurements and its impact on the comparison with REAS 3.11 and CoREAS simulations. <i>Astroparticle Physics</i> , 2016, 75, 72-74.	4.3	27
74	Cosmic ray energy reconstruction from the S(500) observable recorded in the KASCADE-Grande air shower experiment. <i>Astroparticle Physics</i> , 2016, 77, 21-31.	4.3	7
75	KCDC " The KASCADE Cosmic-ray Data Centre. <i>Journal of Physics: Conference Series</i> , 2015, 632, 012011.	0.4	2
76	Calibrating the absolute amplitude scale for air showers measured at LOFAR. <i>Journal of Instrumentation</i> , 2015, 10, P11005-P11005.	1.2	38
77	The KASCADE-Grande observatory and the composition of very high-energy cosmic rays. <i>Journal of Physics: Conference Series</i> , 2015, 651, 012001.	0.4	3
78	Anomaly in the cosmic-ray energy spectrum at GeV–TeV energies. <i>Journal of Physics: Conference Series</i> , 2015, 632, 012026.	0.4	3
79	LOPES " Recent Results and Open Questions on the Radio Detection of Air Showers. <i>Journal of Physics: Conference Series</i> , 2015, 632, 012102.	0.4	3
80	On a coherent investigation of the spectrum of cosmic rays in the energy range of 10^{14} – 10^{18} eV with KASCADE and KASCADE-Grande. <i>Journal of Physics: Conference Series</i> , 2015, 632, 012025.	0.4	1
81	A limit on the diffuse gamma-rays measured with KASCADE-Grande. <i>Journal of Physics: Conference Series</i> , 2015, 632, 012013.	0.4	10
82	A new way of air shower detection: measuring the properties of cosmic rays with LOFAR. <i>Journal of Physics: Conference Series</i> , 2015, 632, 012018.	0.4	0
83	Confronting the EPOS-LHC model predictions on the charged particle and muon attenuation lengths of EAS with the measurements of the KASCADE-Grande observatory. <i>EPJ Web of Conferences</i> , 2015, 99, 12002.	0.3	6
84	The "ln A study with the Muon tracking detector in the KASCADE-Grande experiment " comparison of hadronic interaction models. <i>EPJ Web of Conferences</i> , 2015, 99, 13001.	0.3	2
85	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
86	SEARCHES FOR ANISOTROPIES IN THE ARRIVAL DIRECTIONS OF THE HIGHEST ENERGY COSMIC RAYS DETECTED BY THE PIERRE AUGER OBSERVATORY. <i>Astrophysical Journal</i> , 2015, 804, 15.	4.5	146
87	Measuring a Cherenkov ring in the radio emission from air showers at 110–190MHz with LOFAR. <i>Astroparticle Physics</i> , 2015, 65, 11-21.	4.3	43
88	LARGE SCALE DISTRIBUTION OF ULTRA HIGH ENERGY COSMIC RAYS DETECTED AT THE PIERRE AUGER OBSERVATORY WITH ZENITH ANGLES UP TO 80°. <i>Astrophysical Journal</i> , 2015, 802, 111.	4.5	49
89	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 Lateral distributions of EAS muons ($\langle m \rangle$) Tj ETQq0.0.0 rgBT /Overlock 10 T	5.4	33
90	$\langle m \rangle$ ($\langle m \rangle$) $\langle m \rangle$. <i>Astroparticle Physics</i> , 2015, 65, 55-63.	4.3	17

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91	A parameterization for the radio emission of air showers as predicted by CoREAS simulations and applied to LOFAR measurements. <i>Astroparticle Physics</i> , 2015, 60, 13-24.	4.3	58
92	The shape of the radio wavefront of extensive air showers as measured with LOFAR. <i>Astroparticle Physics</i> , 2015, 61, 22-31.	4.3	47
93	Studies of the cosmic ray spectrum and large scale anisotropies with the KASCADE-Grande experiment. <i>Journal of Physics: Conference Series</i> , 2014, 531, 012001.	0.4	4
94	GeV-TeV cosmic-ray spectral anomaly as due to reacceleration by weak shocks in the Galaxy. <i>Astronomy and Astrophysics</i> , 2014, 567, A33.	5.1	59
95	First Experimental Characterization of Microwave Emission from Cosmic Ray Air Showers. <i>Physical Review Letters</i> , 2014, 113, 221101.	7.8	33
96	A SEARCH FOR POINT SOURCES OF EeV PHOTONS. <i>Astrophysical Journal</i> , 2014, 789, 160.	4.5	29
97	Polarized radio emission from extensive air showers measured with LOFAR. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 014-014.	5.4	58
98	The cosmic ray spectrum and composition measured by KASCADE-Grande between 1016 eV and 1018 eV. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2014, 256-257, 149-160.	0.4	7
99	A TARGETED SEARCH FOR POINT SOURCES OF EeV NEUTRONS. <i>Astrophysical Journal Letters</i> , 2014, 789, L34.	8.3	14
100	Latest results from the KASCADE-Grande experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 742, 10-15.	1.6	2
101	Recent results from cosmic-ray measurements with LOFAR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 742, 115-118.	1.6	0
102	LORA: A scintillator array for LOFAR to measure extensive air showers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 767, 339-346.	1.6	39
103	The KASCADE-Grande energy spectrum of cosmic rays and the role of hadronic interaction models. <i>Advances in Space Research</i> , 2014, 53, 1456-1469.	2.6	40
104	Origin of atmospheric aerosols at the Pierre Auger Observatory using studies of air mass trajectories in South America. <i>Atmospheric Research</i> , 2014, 149, 120-135.	4.1	6
105	The wavefront of the radio signal emitted by cosmic ray air showers. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 025-025.	5.4	42
106	KASCADE-Grande measurements of energy spectra for elemental groups of cosmic rays. <i>Astroparticle Physics</i> , 2013, 47, 54-66.	4.3	163
107	Identifying clouds over the Pierre Auger Observatory using infrared satellite data. <i>Astroparticle Physics</i> , 2013, 50-52, 92-101.	4.3	8
108	Comparing LOPES measurements of air-shower radio emission with REAS 3.11 and CoREAS simulations. <i>Astroparticle Physics</i> , 2013, 50-52, 76-91.	4.3	15

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109	Detecting radio emission from air showers with LOFAR. , 2013, , .		5
110	Cosmic ray measurements with LOPES: Status and recent results. , 2013, , .		8
111	Searching for neutrino radio flashes from the Moon with LOFAR. , 2013, , .		4
112	Comparison of LOPES measurements with CoREAS and REAS 3.11 simulations. , 2013, , .		4
113	Reconstructing energy and Xmax of cosmic ray air showers using the radio lateral distribution measured with LOPES. AIP Conference Proceedings, 2013, , .	0.4	6
114	LOPES-3D - vectorial measurements of radio emission from cosmic ray induced air showers. , 2013, , .		0
115	Revisiting the hardening of the cosmic ray energy spectrum at TeV energies. Monthly Notices of the Royal Astronomical Society, 2013, 435, 2532-2542.	4.4	33
116	Ultrahigh Energy Neutrinos at the Pierre Auger Observatory. Advances in High Energy Physics, 2013, 2013, 1-18.	1.1	39
117	Ankle-like feature in the energy spectrum of light elements of cosmic rays observed with KASCADE-Grande. Physical Review D, 2013, 87, .	4.7	96
118	CONSTRAINTS ON THE ORIGIN OF COSMIC RAYS ABOVE 10^{18} eV FROM LARGE-SCALE ANISOTROPY SEARCHES IN DATA OF THE PIERRE AUGER OBSERVATORY. Astrophysical Journal Letters, 2013, 762, L13.	8.3	67
119	The composition of cosmic rays at the knee. , 2013, , .		2
120	Radio Measurements of Air Showers with LOPES. Journal of Physics: Conference Series, 2013, 409, 012075.	0.4	2
121	All-particle energy spectrum of KASCADE-Grande based on shower size and different hadronic interaction models. Journal of Physics: Conference Series, 2013, 409, 012101.	0.4	3
122	Separation of the light and heavy mass groups of 10^{16} - 10^{18} eV cosmic rays by studying the ratio muon size to shower size of KASCADE-Grande data. Journal of Physics: Conference Series, 2013, 409, 012095.	0.4	2
123	KASCADE-Grande observation of features in the cosmic ray spectrum between knee and ankle. Journal of Physics: Conference Series, 2013, 409, 012005.	0.4	1
124	Early cosmic-ray work published in German. , 2013, , .		0
125	Test of hadronic interaction models with the KASCADE-Grande muon data. EPJ Web of Conferences, 2013, 52, 07002.	0.3	3
126	DETECTION OF A CHANGE OF SLOPE IN THE SPECTRUM OF HEAVY MASS COSMIC RAYS PRIMARIES BY THE KASCADE-GRANDE EXPERIMENT. Acta Polytechnica, 2013, 53, 728-731.	0.6	0

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127	Detecting cosmic rays with the LOFAR radio telescope. <i>Astronomy and Astrophysics</i> , 2013, 560, A98.	5.1	93
128	SEARCH FOR POINT-LIKE SOURCES OF ULTRA-HIGH ENERGY NEUTRINOS AT THE PIERRE AUGER OBSERVATORY AND IMPROVED LIMIT ON THE DIFFUSE FLUX OF TAU NEUTRINOS. <i>Astrophysical Journal Letters</i> , 2012, 755, L4.	8.3	55
129	Antennas for the detection of radio emission pulses from cosmic-ray induced air showers at the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2012, 7, P10011-P10011.	1.2	95
130	Experimental evidence for the sensitivity of the air-shower radio signal to the longitudinal shower development. <i>Physical Review D</i> , 2012, 85, .	4.7	43
131	Measurement of the Proton-Air Cross Section at $s < 57 \text{ TeV}^2$ at the Pierre Auger Observatory. <i>Physical Review Letters</i> , 2012, 109, 062002.	7.8	212
132	Publisher's Note: Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory [Phys. Rev. D84, 122005 (2011)]. <i>Physical Review D</i> , 2012, 85, .	4.7	8
133	A SEARCH FOR POINT SOURCES OF EeV NEUTRONS. <i>Astrophysical Journal</i> , 2012, 760, 148.	4.5	27
134	LARGE-SCALE DISTRIBUTION OF ARRIVAL DIRECTIONS OF COSMIC RAYS DETECTED ABOVE 10^{18} eV AT THE PIERRE AUGER OBSERVATORY. <i>Astrophysical Journal, Supplement Series</i> , 2012, 203, 34.	7.7	44
135	The nature and origin of ultra high-energy cosmic rays. <i>Europhysics News</i> , 2012, 43, 24-27.	0.3	0
136	A search for anisotropy in the arrival directions of ultra high energy cosmic rays recorded at the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 040-040.	5.4	6
137	The spectrum of high-energy cosmic rays measured with KASCADE-Grande. <i>Astroparticle Physics</i> , 2012, 36, 183-194.	4.3	148
138	Results from KASCADE-Grande. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 692, 217-223.	1.6	1
139	LOPES-3D: An antenna array for full signal detection of air-shower radio emission. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 696, 100-109.	1.6	15
140	On the point-source approximation of nearby cosmic ray sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 624-637.	4.4	9
141	Search for signatures of magnetically-induced alignment in the arrival directions measured by the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2012, 35, 354-361.	4.3	32
142	Description of atmospheric conditions at the Pierre Auger Observatory using the Global Data Assimilation System (GDAS). <i>Astroparticle Physics</i> , 2012, 35, 591-607.	4.3	66
143	On noise treatment in radio measurements of cosmic ray air showers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 662, S238-S241.	1.6	19
144	The LOPES experiment—Recent results, status and perspectives. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 662, S72-S79.	1.6	23

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145	Latest results and perspectives of the KASCADE-Grande EAS Facility. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 662, S150-S156.	1.6	2
146	Investigations of the radio signal of inclined showers with LOPES. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 662, S85-S88.	1.6	0
147	Nearby supernova remnants and the cosmic ray spectral hardening at high energies. Monthly Notices of the Royal Astronomical Society, 2012, 421, 1209-1214.	4.4	63
148	Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory. Physical Review D, 2011, 84, .	4.7	51
149	Kneelike Structure in the Spectrum of the Heavy Component of Cosmic Rays Observed with KASCADE-Grande. Physical Review Letters, 2011, 107, 171104.	7.8	163
150	THE EXTENSIVE AIR SHOWER EXPERIMENT KASCADE-GRANDE. International Journal of Modern Physics Conference Series, 2011, 01, 132-139.	0.7	0
151	A possible correlation between the high-energy electron spectrum and the cosmic ray secondary-to-primary ratios. Monthly Notices of the Royal Astronomical Society, 2011, 414, 1432-1438.	4.4	5
152	The TRACER instrument: A balloon-borne cosmic-ray detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 654, 140-156.	1.6	10
153	Thunderstorm observations by air-shower radio antenna arrays. Advances in Space Research, 2011, 48, 1295-1303.	2.6	17
154	The Lateral Trigger Probability function for the Ultra-High Energy Cosmic Ray showers detected by the Pierre Auger Observatory. Astroparticle Physics, 2011, 35, 266-276.	4.3	16
155	The exposure of the hybrid detector of the Pierre Auger Observatory. Astroparticle Physics, 2011, 34, 368-381.	4.3	54
156	Search for first harmonic modulation in the right ascension distribution of cosmic rays detected at the Pierre Auger Observatory. Astroparticle Physics, 2011, 34, 627-639.	4.3	73
157	The LOPES experiment. Nuclear Physics, Section B, Proceedings Supplements, 2011, 212-213, 323-328.	0.4	1
158	Precise measurement of the absolute yield of fluorescence photons in atmospheric gases. Nuclear Physics, Section B, Proceedings Supplements, 2011, 212-213, 356-361.	0.4	5
159	Muon production height studies with the air shower experiment KASCADE-Grande. Astroparticle Physics, 2011, 34, 476-485.	4.3	27
160	Measurement of radio emission from extensive air showers with LOPES. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 630, 171-176.	1.6	3
161	Investigation of the properties of galactic cosmic rays with the KASCADE-Grande experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 630, 222-225.	1.6	1
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