K-H Kampert

List of Publications by Year
in descending order

311 papers	13,744 citations	23544 58 h-index	22808 112 g-index
314 all docs	314 docs citations	314 times ranked	6647 citing authors

#	Article	IF	Citations
1	Properties and performance of the prototype instrument for the Pierre Auger Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 523, 50-95.	0.7	647
2	Correlation of the Highest-Energy Cosmic Rays with Nearby Extragalactic Objects. Science, 2007, 318, 938-943.	6.0	647
3	Observation of the Suppression of the Flux of Cosmic Rays above<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>4</mml:mn><mml:mo>Ã—</mml:mo><mml:msup><mml:mn>10</mml:mn><mml:mn>19</mml:mn></m Physical Review Letters, 2008, 101, 061101.	2.9	500
4	Calculation of the axion mass based on high-temperature lattice quantum chromodynamics. Nature, 2016, 539, 69-71.	13.7	467
5	KASCADE measurements of energy spectra for elemental groups of cosmic rays: Results and open problems. Astroparticle Physics, 2005, 24, 1-25.	1.9	465
6	Measurement of the Depth of Maximum of Extensive Air Showers above<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mn>10</mml:mn><mml:mn>18</mml:mn></mml:msup><mml:mtext>â€‰</mml:mtext><mml:mt Physical Review Letters, 2010, 104, 091101.	2.9	429
7	First year performance of the IceCube neutrino telescope. Astroparticle Physics, 2006, 26, 155-173.	1.9	379
8	The IceCube data acquisition system: Signal capture, digitization, and timestamping. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 601, 294-316.	0.7	312
9	The cosmic-ray experiment KASCADE. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 513, 490-510.	0.7	306
10	Measurements of the cosmic ray composition with air shower experiments. Astroparticle Physics, 2012, 35, 660-678.	1.9	301
11	Detection and imaging of atmospheric radio flashes from cosmic ray air showers. Nature, 2005, 435, 313-316.	13.7	297
12	Observation of a large-scale anisotropy in the arrival directions of cosmic rays above 8 Ã— 10 ¹⁸ eV. Science, 2017, 357, 1266-1270.	6.0	261
13	The design and performance of IceCube DeepCore. Astroparticle Physics, 2012, 35, 615-624.	1.9	222
14	Measurement of the Proton-Air Cross Section at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo mathvariant="bold">=</mml:mo><mml:mn>57</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>T the Pierre Auger Observatory. Physical Review Letters, 2012, 109, 062002.	2.9	212
15	Calibration and characterization of the IceCube photomultiplier tube. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 618, 139-152.	0.7	211
16	Observation of Direct Photons in Central158AGeVP208b+P208bCollisions. Physical Review Letters, 2000, 85, 3595-3599.	2.9	188
17	CRPropa 3â€"a public astrophysical simulation framework for propagating extraterrestrial ultra-high energy particles. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 038-038.	1.9	181
18	Quantum gravity phenomenology at the dawn of the multi-messenger eraâ€"A review. Progress in Particle and Nuclear Physics, 2022, 125, 103948.	5.6	175

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19	Kneelike Structure in the Spectrum of the Heavy Component of Cosmic Rays Observed with KASCADE-Grande. Physical Review Letters, 2011, 107, 171104.	2.9	163
20	KASCADE-Grande measurements of energy spectra for elemental groups of cosmic rays. Astroparticle Physics, 2013, 47, 54-66.	1.9	163
21	Nuclear Collective Flow as a Function of Projectile Energy and Mass. Physical Review Letters, 1986, 57, 302-305.	2.9	161
22	Measurement of the atmospheric neutrino energy spectrum from 100ÂGeV to 400ÂTeV with IceCube. Physical Review D, 2011, 83, .	1.6	156
23	Testing Hadronic Interactions at Ultrahigh Energies with Air Showers Measured by the Pierre Auger Observatory. Physical Review Letters, 2016, 117, 192001.	2.9	154
24	Optical properties of deep glacial ice at the South Pole. Journal of Geophysical Research, 2006, 111, .	3.3	149
25	The spectrum of high-energy cosmic rays measured with KASCADE-Grande. Astroparticle Physics, 2012, 36, 183-194.	1.9	148
26	The KASCADE-Grande experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 620, 202-216.	0.7	147
27	SEARCHES FOR ANISOTROPIES IN THE ARRIVAL DIRECTIONS OF THE HIGHEST ENERGY COSMIC RAYS DETECTED BY THE PIERRE AUGER OBSERVATORY. Astrophysical Journal, 2015, 804, 15.	1.6	146
28	Upper Limit on the Diffuse Flux of Ultrahigh Energy Tau Neutrinos from the Pierre Auger Observatory. Physical Review Letters, 2008, 100, 211101.	2.9	141
29	Squeeze-out of nuclear matter as a function of projectile energy and mass. Physical Review C, 1990, 42, 640-651.	1.1	133
30	Limits on a Muon Flux from Neutralino Annihilations in the Sun with the IceCube 22-String Detector. Physical Review Letters, 2009, 102, 201302.	2.9	132
31	TIME-INTEGRATED SEARCHES FOR POINT-LIKE SOURCES OF NEUTRINOS WITH THE 40-STRING IceCube DETECTOR. Astrophysical Journal, 2011, 732, 18.	1.6	126
32	IceCube sensitivity for low-energy neutrinos from nearby supernovae. Astronomy and Astrophysics, 2011, 535, A109.	2.1	121
33	MEASUREMENT OF THE ANISOTROPY OF COSMIC-RAY ARRIVAL DIRECTIONS WITH ICECUBE. Astrophysical Journal Letters, 2010, 718, L194-L198.	3.0	119
34	Correlated Fragment Production inO18-Induced Reactions atEA=84MeV. Physical Review Letters, 1987, 59, 2844-2847.	2.9	116
35	OBSERVATION OF ANISOTROPY IN THE GALACTIC COSMIC-RAY ARRIVAL DIRECTIONS AT 400 TeV WITH ICECUBE. Astrophysical Journal, 2012, 746, 33.	1.6	115
36	Open Questions in Cosmic-Ray Research at Ultrahigh Energies. Frontiers in Astronomy and Space Sciences, 2019, 6, .	1.1	115

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37	OBSERVATION OF ANISOTROPY IN THE ARRIVAL DIRECTIONS OF GALACTIC COSMIC RAYS AT MULTIPLE ANGULAR SCALES WITH IceCube. Astrophysical Journal, 2011, 740, 16.	1.6	103
38	Limit on the diffuse flux of ultrahigh energy tau neutrinos with the surface detector of the Pierre Auger Observatory. Physical Review D, 2009, 79, .	1.6	99
39	Ankle-like feature in the energy spectrum of light elements of cosmic rays observed with KASCADE-Grande. Physical Review D, 2013, 87, .	1.6	96
40	Antennas for the detection of radio emission pulses from cosmic-ray induced air showers at the Pierre Auger Observatory. Journal of Instrumentation, 2012, 7, P10011-P10011.	0.5	95
41	Electron, muon, and hadron lateral distributions measured in air showers by the KASCADE experiment. Astroparticle Physics, 2001, 14, 245-260.	1.9	92
42	Multiyear search for a diffuse flux of muon neutrinos with AMANDA-II. Physical Review D, 2007, 76, .	1.6	92
43	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.	2.9	91
44	Search for a diffuse flux of astrophysical muon neutrinos with the IceCube 40-string detector. Physical Review D, 2011, 84, .	1.6	87
45	Limits on Neutrino Emission from Gamma-Ray Bursts with the 40 String IceCube Detector. Physical Review Letters, 2011, 106, 141101.	2.9	85
46	SEARCH FOR MUON NEUTRINOS FROM GAMMA-RAY BURSTS WITH THE IceCube NEUTRINO TELESCOPE. Astrophysical Journal, 2010, 710, 346-359.	1.6	81
47	Search for dark matter from the Galactic halo with the IceCube Neutrino Telescope. Physical Review D, 2011, 84, .	1.6	79
48	Features of the Energy Spectrum of Cosmic Rays above <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>2.5</mml:mn><mml:mo>Ã—</mml:mo><mml:msup><mml:mn>10</mml:mn><mml:mn>18</mml:mn></mn Using the Pierre Auger Observatory. Physical Review Letters, 2020, 125, 121106.	2.9	79
49	KASCADE-Grande: a large acceptance, high-resolution cosmic-ray detector up to. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 518, 207-209.	0.7	76
50	Search for a Lorentz-violating sidereal signal with atmospheric neutrinos in IceCube. Physical Review D, 2010, 82, .	1.6	76
51	Radio galaxies of the local universe. Astronomy and Astrophysics, 2012, 544, A18.	2.1	74
52	CRPropa 2.0 â€“ A public framework for propagating high energy nuclei, secondary gamma rays and neutrinos. Astroparticle Physics, 2013, 42, 41-51.	1.9	74
53	Lateral distribution of the radio signal in extensive air showers measured with LOPES. Astroparticle Physics, 2010, 32, 294-303.	1.9	72
54	A non-parametric approach to infer the energy spectrum and the mass composition of cosmic rays. Astroparticle Physics, 2002, 16, 245-263.	1.9	71

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55	Determination of the atmospheric neutrino flux and searches for new physics with AMANDA-II. Physical Review D, 2009, 79, .	1.6	71
56	Constraints on the extremely-high energy cosmic neutrino flux with the IceCube 2008-2009 data. Physical Review D, 2011, 83, .	1.6	68
57	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.	3.0	67
58	The Kascade experiment. Nuclear Physics, Section B, Proceedings Supplements, 1997, 52, 92-102.	0.5	59
59	Detection of atmospheric muon neutrinos with the IceCube 9-string detector. Physical Review D, 2007, 76, .	1.6	57
60	Reconstruction of the energy and depth of maximum of cosmic-ray air showers from LOPES radio measurements. Physical Review D, 2014, 90, .	1.6	57
61	KASCADE-Grande Limits on the Isotropic Diffuse Gamma-Ray Flux between 100 TeV and 1 EeV. Astrophysical Journal, 2017, 848, 1.	1.6	57
62	Isotopic-yield ratios of complex fragments from intermediate-energy heavy-ion reactions. Physical Review Letters, 1987, 58, 1829-1832.	2.9	56
63	Muon density measurements with the KASCADE central detector. Astroparticle Physics, 2002, 16, 373-386.	1.9	55
64	The composition of cosmic rays at the knee. Astroparticle Physics, 2002, 18, 129-150.	1.9	55
65	Extensive air showers and ultra high-energy cosmic rays: a historical review. European Physical Journal H, 2012, 37, 359-412.	0.5	55
66	Five years of searches for point sources of astrophysical neutrinos with the AMANDA-II neutrino telescope. Physical Review D, 2007, 75, .	1.6	52
67	Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory. Physical Review D, 2011, 84, .	1.6	51
68	Comparison of measured and simulated lateral distributions for electrons and muons with KASCADE. Astroparticle Physics, 2006, 24, 467-483.	1.9	50
69	Charged-particle distributions in 16O induced nuclear reactions at 60 and 200 A GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 202, 596-602.	1.5	46
70	Multifragmentation and flow in central collisions of heavy systems. Nuclear Physics A, 1987, 471, 241-251.	0.6	44
71	Search for point sources of high energy neutrinos with final data from AMANDA-II. Physical Review D, 2009, 79, .	1.6	44
72	LARGE-SCALE DISTRIBUTION OF ARRIVAL DIRECTIONS OF COSMIC RAYS DETECTED ABOVE 10¹⁸ eV AT THE PIERRE AUGER OBSERVATORY. Astrophysical Journal, Supplement Series, 2012, 203, 34.	3.0	44

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73	The energy spectrum of cosmic rays beyond the turn-down around $$varvec{10^{17}}$$ÂeV as measured with the surface detector of the Pierre Auger Observatory. European Physical Journal C, 2021, 81, 1.	1.4	44
74	Amplified radio emission from cosmic ray air showers in thunderstorms. Astronomy and Astrophysics, 2007, 467, 385-394.	2.1	43
75	FIRST NEUTRINO POINT-SOURCE RESULTS FROM THE 22 STRING ICECUBE DETECTOR. Astrophysical Journal, 2009, 701, L47-L51.	1.6	43
76	Experimental evidence for the sensitivity of the air-shower radio signal to the longitudinal shower development. Physical Review D, 2012, 85, .	1.6	43
77	The Muon Puzzle in cosmic-ray induced air showers and its connection to the Large Hadron Collider. Astrophysics and Space Science, 2022, 367, 1.	0.5	43
78	Distributions of transverse energy and forward energy inâˆ'16andinduced32heavy ion collisions at 60Aand 200AGeV. Physical Review C, 1991, 44, 2736-2752.	1.1	42
79	The wavefront of the radio signal emitted by cosmic ray air showers. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 025-025.	1.9	42
80	Probing the evolution of the EAS muon content in the atmosphere with KASCADE-Grande. Astroparticle Physics, 2017, 95, 25-43.	1.9	42
81	Searching for soft relativistic jets in core-collapse supernovae with the IceCube optical follow-up program. Astronomy and Astrophysics, 2012, 539, A60.	2.1	40
82	The KASCADE-Grande energy spectrum of cosmic rays and the role of hadronic interaction models. Advances in Space Research, 2014, 53, 1456-1469.	1.2	40
83	Multiplicity and bombarding energy dependence of the entropy in relativistic heavy-ion reactions. Physical Review C, 1988, 37, 163-168.	1.1	39
84	Ultrahigh Energy Neutrinos at the Pierre Auger Observatory. Advances in High Energy Physics, 2013, 2013, 1-18.	0.5	39
85	Search for extraterrestrial point sources of high energy neutrinos with AMANDA-II using data collected in 2000â€"2002. Physical Review D, 2005, 71, .	1.6	38
86	TIME-DEPENDENT SEARCHES FOR POINT SOURCES OF NEUTRINOS WITH THE 40-STRING AND 22-STRING CONFIGURATIONS OF ICECUBE. Astrophysical Journal, 2012, 744, 1.	1.6	37
87	Extending the Search for Neutrino Point Sources with IceCube above the Horizon. Physical Review Letters, 2009, 103, 221102.	2.9	36
88	Direct measurement of the muonic content of extensive air showers between $$mathbf { 2imes 10^{17}}$$ and $$mathbf {2imes 10^{18}}~$$eV at the Pierre Auger Observatory. European Physical Journal C, 2020, 80, 1.	1.4	36
89	Test of hadronic interaction models in the forward region with KASCADE event rates. Journal of Physics G: Nuclear and Particle Physics, 2001, 27, 1785-1798.	1.4	35
90	First search for atmospheric and extraterrestrial neutrino-induced cascades with the IceCube detector. Physical Review D, 2011, 84, .	1.6	34

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91	Measurement of the Fluctuations in the Number of Muons in Extensive Air Showers with the Pierre Auger Observatory. Physical Review Letters, 2021, 126, 152002.	2.9	34
92	Measurement of acoustic attenuation in South Pole ice. Astroparticle Physics, 2011, 34, 382-393.	1.9	33
93	First Experimental Characterization of Microwave Emission from Cosmic Ray Air Showers. Physical Review Letters, 2014, 113, 221101.	2.9	33
94	Azimuthal anisotropy in S + Au reactions at 200 A GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 403, 390-396.	1.5	32
95	Solar Energetic Particle Spectrum on 2006 December 13 Determined by IceTop. Astrophysical Journal, 2008, 689, L65-L68.	1.6	32
96	Development of a RICH detector for CBM: simulations and experimental tests. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 639, 294-297.	0.7	32
97	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.	1.5	32
98	Cosmic rays from the ankle to the cutoff. Comptes Rendus Physique, 2014, 15, 318-328.	0.3	31
99	Three-Pion Interferometry Results from CentralPb+PbCollisions at158AGeV/c. Physical Review Letters, 2000, 85, 2895-2899.	2.9	29
100	A SEARCH FOR POINT SOURCES OF EeV PHOTONS. Astrophysical Journal, 2014, 789, 160.	1.6	29
101	Upper limit for thermal direct photon production in heavy-ion collisions at 60 and 200AÂ·GeV. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1991, 51, 1-10.	1.5	28
102	Localized charged-neutral fluctuations in158AGeV Pb+Pb collisions. Physical Review C, 2001, 64, .	1.1	28
103	First search for extremely high energy cosmogenic neutrinos with the IceCube Neutrino Observatory. Physical Review D, 2010, 82, .	1.6	28
104	Frequency spectra of cosmic ray air shower radio emission measured with LOPES. Astronomy and Astrophysics, 2008, 488, 807-817.	2.1	27
105	SEARCH FOR HIGH-ENERGY MUON NEUTRINOS FROM THE â€œNAKED-EYEâ€•GRB 080319B WITH THE IceCube NEUTRINO TELESCOPE. Astrophysical Journal, 2009, 701, 1721-1731.	1.6	27
106	Muon production height studies with the air shower experiment KASCADE-Grande. Astroparticle Physics, 2011, 34, 476-485.	1.9	27
107	A SEARCH FOR POINT SOURCES OF EeV NEUTRONS. Astrophysical Journal, 2012, 760, 148.	1.6	27
108	Improved absolute calibration of LOPES measurements and its impact on the comparison with REAS 3.11 and CoREAS simulations. Astroparticle Physics, 2016, 75, 72-74.	1.9	27

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109	Search for relativistic magnetic monopoles withÂtheÂAMANDA-IIÂneutrino telescope. European Physical Journal C, 2010, 69, 361-378.	1.4	26
110	On the selection of AGN neutrino source candidates for a source stacking analysis with neutrino telescopes. Astroparticle Physics, 2006, 26, 282-300.	1.9	25
111	The LOPES experimentâ€"Recent results, status and perspectives. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 662, S72-S79.	0.7	23
112	Oxygen-induced reactions at 60A GeV and 200A GeV studied by calorimetry. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1988, 38, 3-14.	1.5	22
113	Limits on the muon flux from neutralino annihilations at the center of the Earth with AMANDA. Astroparticle Physics, 2006, 26, 129-139.	1.9	22
114	Search for neutrino-induced cascades with five years of AMANDA data. Astroparticle Physics, 2011, 34, 420-430.	1.9	22
115	Electronics for the RICH detectors of the HADES and CBM experiments. Journal of Instrumentation, 2017, 12, C01072-C01072.	0.5	22
116	The KASCADE Cosmic-ray Data Centre KCDC: granting open access to astroparticle physics research data. European Physical Journal C, 2018, 78, 1.	1.4	22
117	A test of the hadronic interaction model EPOS with air shower data. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 035201.	1.4	21
118	A Targeted Search for Point Sources of EeV Photons with the Pierre Auger Observatory. Astrophysical Journal Letters, 2017, 837, L25.	3.0	21
119	Transverse momentum distributions of neutral pions from central and peripheral16O+Au collisions at 200AÂ·GeV. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1990, 47, 367-375.	1.5	20
120	Development of a new first level trigger for the surface array in the Pierre Auger Observatory based on the CycloneTM Altera FPGA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 545, 793-802.	0.7	20
121	The CBM RICH project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 766, 101-106.	0.7	20
122	Multi-Messenger Physics With the Pierre Auger Observatory. Frontiers in Astronomy and Space Sciences, 2019, 6, .	1.1	20
123	Direction identification in radio images of cosmic-ray air showers detected with LOPES and KASCADE. Astronomy and Astrophysics, 2008, 487, 781-788.	2.1	19
124	On noise treatment in radio measurements of cosmic ray air showers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 662, S238-S241.	0.7	19
125	Target fragmentation in proton-nucleus and16O-nucleus reactions at 60 and 200 GeV/nucleon. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1988, 38, 109-115.	1.5	18
126	Limits on the High-Energy Gamma and Neutrino Fluxes from the SGR 1806-20 Giant Flare of 27 December 2004 with the AMANDA-II Detector. Physical Review Letters, 2006, 97, 221101.	2.9	18

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127	Test of interaction models up to 40 PeV by studying hadronic cores of EAS. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2581-2593.	1.4	18
128	Transverse energy production in the target fragmentation region in16O-nucleus reactions at 60 and 200A GeV. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1990, 45, 529-537.	1.5	17
129	Radio emission of highly inclined cosmic ray air showers measured with LOPES. Astronomy and Astrophysics, 2007, 462, 389-395.	2.1	17
130	Limits on a muon flux from Kaluza-Klein dark matter annihilations in the Sun from the IceCube 22-string detector. Physical Review D, 2010, 81, .	1.6	17
131	FPGA Based Signal-Processing for Radio Detection of Cosmic Rays. IEEE Transactions on Nuclear Science, 2011, 58, 1621-1627.	1.2	17
132	Thunderstorm observations by air-shower radio antenna arrays. Advances in Space Research, 2011, 48, 1295-1303.	1.2	17
133	Lateral distributions of EAS muons (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq1 1 0.784314 rgBT /Over <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si110.gif" overflow="scroll"><mml:mrow><mml:msup><m. Astroparticle Physics, 2015, 65, 55-63.	1.9	17
134	LOPES: detecting radio emission from cosmic ray air showers. , 2004, , .		16
135	Active Galactic Nuclei: Sources for ultra high energy cosmic rays?. Nuclear Physics, Section B, Proceedings Supplements, 2009, 190, 61-78.	0.5	16
136	Applying shower development universality to KASCADE data. Astroparticle Physics, 2008, 29, 412-419.	1.9	15
137	LOPES-3D: An antenna array for full signal detection of air-shower radio emission. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 696, 100-109.	0.7	15
138	Comparing LOPES measurements of air-shower radio emission with REAS 3.11 and CoREAS simulations. Astroparticle Physics, 2013, 50-52, 76-91.	1.9	15
139	Bose-einstein correlations in the target fragmentation region in 200A GeV16O+nucleus collisions. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1992, 53, 225-237.	1.5	14
140	Geometric structures in hadronic cores of extensive air showers observed by KASCADE. Physical Review D, 2005, 71, .	1.6	14
141	A TARGETED SEARCH FOR POINT SOURCES OF EeV NEUTRONS. Astrophysical Journal Letters, 2014, 789, L34.	3.0	14
142	Intermittency and correlations in 200 GeV/nucleon S+S and S+Au collisions. Physical Review C, 1994, 50, 1048-1064.	1.1	13
143	Cosmic Ray Energy Spectra and Mass Composition at the Knee â€“ Recent Results from KASCADE â€“. Nuclear Physics, Section B, Proceedings Supplements, 2004, 136, 273-281.	0.5	13
144	KASCADE: Astrophysical results and tests of hadronic interaction models. Nuclear Physics, Section B, Proceedings Supplements, 2006, 151, 167-174.	0.5	13

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145	RADIO DETECTION OF COSMIC RAYS WITH LOPES. International Journal of Modern Physics A, 2006, 21, 168-181.	0.5	13
146	The cosmic ray energy spectrum in the range 10¹⁶–10¹⁸ eV measured by KASCADE-Grande. Astrophysics and Space Sciences Transactions, 2011, 7, 229-234.	1.0	13
147	NEUTRINO ANALYSIS OF THE 2010 SEPTEMBER CRAB NEBULA FLARE AND TIME-INTEGRATED CONSTRAINTS ON NEUTRINO EMISSION FROM THE CRAB USING ICECUBE. Astrophysical Journal, 2012, 745, 45.	1.6	13
148	A Search for Ultra-high-energy Neutrinos from TXS 0506+056 Using the Pierre Auger Observatory. Astrophysical Journal, 2020, 902, 105.	1.6	13
149	Elliptic emission of K+ and Ï€+ in 158 AÂ·GeV Pb + Pb collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 469, 30-36.	1.5	12
150	Status of the KASCADE-Grande experiment. Nuclear Physics, Section B, Proceedings Supplements, 2003, 122, 422-426.	0.5	12
151	Background studies for acoustic neutrino detection at the South Pole. Astroparticle Physics, 2012, 35, 312-324.	1.9	12
152	Search for Large-scale Anisotropy in the Arrival Direction of Cosmic Rays with KASCADE-Grande. Astrophysical Journal, 2019, 870, 91.	1.6	12
153	Final results of the LOPES radio interferometer for cosmic-ray air showers. European Physical Journal C, 2021, 81, 1.	1.4	12
154	ADVANCED DETECTION METHODS OF RADIO SIGNALS FROM COSMIC RAYS FOR KASCADE GRANDE AND AUGER. International Journal of Modern Physics A, 2006, 21, 242-246.	0.5	11
155	SEARCHES FOR PERIODIC NEUTRINO EMISSION FROM BINARY SYSTEMS WITH 22 AND 40 STRINGS OF ICECUBE. Astrophysical Journal, 2012, 748, 118.	1.6	11
156	Neutral transverse momentum spectra in 60 and 200AÂ·GeV16O+nucleus and proton+nucleus reactions. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1988, 38, 97-103.	1.5	10
157	Results from WA80 on transverse energy production, fluctuations in multiparticle production, and Î³/Ï€0 ratios. Nuclear Physics A, 1989, 498, 53-66.	0.6	10
158	Geometry reconstruction of fluorescence detectors revisited. Astroparticle Physics, 2008, 30, 167-174.	1.9	10
159	Restoring the azimuthal symmetry of lateral distributions of charged particles in the range of the KASCADE-Grande experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 638, 147-156.	0.7	10
160	Observation of microwave emission from extensive air showers with CROME. EPJ Web of Conferences, 2013, 53, 08010.	0.1	10
161	A limit on the diffuse gamma-rays measured with KASCADE-Grande. Journal of Physics: Conference Series, 2015, 632, 012013.	0.3	10
162	Investigation of the pseudorapidity and momentum of muons in EAS with the KASCADE muon tracking detector. Nuclear Physics, Section B, Proceedings Supplements, 2006, 151, 291-294.	0.5	9

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