

Markus Ahlers

List of Publications by Year in descending order

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217
papers

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times ranked

7898
citing authors

#	ARTICLE	IF	CITATIONS
1	Follow-up of Astrophysical Transients in Real Time with the IceCube Neutrino Observatory. <i>Astrophysical Journal</i> , 2021, 910, 4.	4.5	18
2	A Search for Time-dependent Astrophysical Neutrino Emission with IceCube Data from 2012 to 2017. <i>Astrophysical Journal</i> , 2021, 911, 67.	4.5	9
3	Improved Limits on Cosmogenic Fluxes from Ultra-High Energy Cosmic Rays. , 2021, , .		3
4	Flavors of astrophysical neutrinos with active-sterile mixing. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 029.	5.4	5
5	LOCAL TURBULENCE AND THE DIPOLE ANISOTROPY OF GALACTIC COSMIC RAYS. , 2021, , .		1
6	Exploring galactic wind superbubbles by multimessenger observations. , 2021, , .		0
7	New insights from old cosmic rays: A novel analysis of archival KASCADE data. , 2021, , .		0
8	Search for Multi-flare Neutrino Emissions in 10 yr of IceCube Data from a Catalog of Sources. <i>Astrophysical Journal Letters</i> , 2021, 920, L45.	8.3	12
9	Revisiting the distance to the nearest ultrahigh energy cosmic ray source: Effects of extragalactic magnetic fields. <i>Physical Review D</i> , 2020, 102, .	4.7	11
10	A Search for IceCube Events in the Direction of ANITA Neutrino Candidates. <i>Astrophysical Journal</i> , 2020, 892, 53.	4.5	20
11	Search for PeV Gamma-Ray Emission from the Southern Hemisphere with 5 Yr of Data from the IceCube Observatory. <i>Astrophysical Journal</i> , 2020, 891, 9.	4.5	12
12	A Search for MeV to TeV Neutrinos from Fast Radio Bursts with IceCube. <i>Astrophysical Journal</i> , 2020, 890, 111.	4.5	20
13	A Search for Neutrino Point-source Populations in 7 yr of IceCube Data with Neutrino-count Statistics. <i>Astrophysical Journal</i> , 2020, 893, 102.	4.5	11
14	IceCube Search for High-energy Neutrino Emission from TeV Pulsar Wind Nebulae. <i>Astrophysical Journal</i> , 2020, 898, 117.	4.5	21
15	The Dipole Anisotropy of Galactic Cosmic Rays. <i>Journal of Physics: Conference Series</i> , 2019, 1181, 012004.	0.4	0
16	Inferring the Flavor of High-Energy Astrophysical Neutrinos at Their Sources. <i>Physical Review Letters</i> , 2019, 122, 241101.	7.8	38
17	Search for Sources of Astrophysical Neutrinos Using Seven Years of IceCube Cascade Events. <i>Astrophysical Journal</i> , 2019, 886, 12.	4.5	53
18	Neutrino Sources from a Multi-Messenger Perspective. <i>EPJ Web of Conferences</i> , 2019, 209, 01013.	0.3	2

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19	Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube. <i>Astrophysical Journal</i> , 2019, 870, 134.	4.5	32
20	Neutrino fluence from gamma-ray bursts: off-axis view of structured jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4935-4943.	4.4	8
21	Large- and Medium-scale Anisotropies in the Arrival Directions of Cosmic Rays Observed with KASCADE-Grande. <i>Astrophysical Journal Letters</i> , 2019, 886, L18.	8.3	6
22	Multimessenger Astrophysics : Session Summary. , 2019, , .		0
23	Highlights from IceCube. , 2019, , .		0
24	Observing GeV Neutrino Transients in the Multi-Messenger Era. , 2019, , .		0
25	Cosmic ray small-scale anisotropies in quasi-linear theory. , 2019, , .		0
26	Probing particle physics with IceCube. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	47
27	Unitarity bounds of astrophysical neutrinos. <i>Physical Review D</i> , 2018, 98, .	4.7	23
28	Searching for All-scale Anisotropies in the Arrival Directions of Cosmic Rays above the Ankle. <i>Astrophysical Journal</i> , 2018, 863, 146.	4.5	5
29	Opening a new window onto the universe with IceCube. <i>Progress in Particle and Nuclear Physics</i> , 2018, 102, 73-88.	14.4	93
30	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. <i>Science</i> , 2018, 361, .	12.6	654
31	Neutrino emission from the direction of the blazar TXS 0506+056 prior to the IceCube-170922A alert. <i>Science</i> , 2018, 361, 147-151.	12.6	601
32	All-sky Search for Time-integrated Neutrino Emission from Astrophysical Sources with 7 yr of IceCube Data. <i>Astrophysical Journal</i> , 2017, 835, 151.	4.5	198
33	THE CONTRIBUTION OF FERMI-2LAC BLAZARS TO DIFFUSE TEV-PEV NEUTRINO FLUX. <i>Astrophysical Journal</i> , 2017, 835, 45.	4.5	186
34	Evidence against Star-forming Galaxies as the Dominant Source of Icecube Neutrinos. <i>Astrophysical Journal</i> , 2017, 836, 47.	4.5	92
35	PINGU: a vision for neutrino and particle physics at the South Pole. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 054006.	3.6	45
36	The IceCube realtime alert system. <i>Astroparticle Physics</i> , 2017, 92, 30-41.	4.3	116

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37	Origin of small-scale anisotropies in Galactic cosmic rays. <i>Progress in Particle and Nuclear Physics</i> , 2017, 94, 184-216.	14.4	49
38	The IceCube Neutrino Observatory: instrumentation and online systems. <i>Journal of Instrumentation</i> , 2017, 12, P03012-P03012.	1.2	390
39	Search for Astrophysical Sources of Neutrinos Using Cascade Events in IceCube. <i>Astrophysical Journal</i> , 2017, 846, 136.	4.5	21
40	Search for sterile neutrino mixing using three years of IceCube DeepCore data. <i>Physical Review D</i> , 2017, 95, .	4.7	75
41	Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. <i>Physical Review D</i> , 2017, 96, .	4.7	40
42	Search for annihilating dark matter in the Sun with 3 years of IceCube data. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	111
43	Extending the Search for Muon Neutrinos Coincident with Gamma-Ray Bursts in IceCube Data. <i>Astrophysical Journal</i> , 2017, 843, 112.	4.5	116
44	First search for dark matter annihilations in the Earth with the IceCube detector. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	20
45	Search for neutrinos from dark matter self-annihilations in the center of the Milky Way with 3 years of IceCube/DeepCore. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	62
46	IceCube: Neutrinos and multimessenger astronomy. <i>Progress of Theoretical and Experimental Physics</i> , 2017, 2017, .	6.6	14
47	Multiwavelength follow-up of a rare IceCube neutrino multiplet. <i>Astronomy and Astrophysics</i> , 2017, 607, A115.	5.1	33
48	Analyzing UHECR arrival directions through the Galactic magnetic field in view of the local universe as seen in 2MRS. , 2017, , .		4
49	Combined Analysis of Cosmic-Ray Anisotropy with IceCube and HAWC. , 2017, , .		1
50	Galactic Neutrino Sources. , 2017, , 47-66.		0
51	Multi-messenger aspects of cosmic neutrinos*. <i>EPJ Web of Conferences</i> , 2016, 116, 11001.	0.3	0
52	Improved limits on dark matter annihilation in the Sun with the 79-string IceCube detector and implications for supersymmetry. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 022-022.	5.4	56
53	Very high-energy gamma-ray follow-up program using neutrino triggers from IceCube. <i>Journal of Instrumentation</i> , 2016, 11, P11009-P11009.	1.2	24
54	OBSERVATION AND CHARACTERIZATION OF A COSMIC MUON NEUTRINO FLUX FROM THE NORTHERN HEMISPHERE USING SIX YEARS OF ICECUBE DATA. <i>Astrophysical Journal</i> , 2016, 833, 3.	4.5	336

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55	SEARCH FOR SOURCES OF HIGH-ENERGY NEUTRONS WITH FOUR YEARS OF DATA FROM THE ICETOP DETECTOR. <i>Astrophysical Journal</i> , 2016, 830, 129.	4.5	7
56	Constraints on Ultrahigh-Energy Cosmic-Ray Sources from a Search for Neutrinos above 10 ¹⁶ eV with IceCube. <i>Physical Review Letters</i> , 2016, 117, 241101.	7.8	111
57	A NEW MAXIMUM-LIKELIHOOD TECHNIQUE FOR RECONSTRUCTING COSMIC-RAY ANISOTROPY AT ALL ANGULAR SCALES. <i>Astrophysical Journal</i> , 2016, 823, 10.	4.5	18
58	THE FIRST COMBINED SEARCH FOR NEUTRINO POINT-SOURCES IN THE SOUTHERN HEMISPHERE WITH THE ANTARES AND ICECUBE NEUTRINO TELESCOPES. <i>Astrophysical Journal</i> , 2016, 823, 65.	4.5	49
59	Neutrino oscillation studies with IceCube-DeepCore. <i>Nuclear Physics B</i> , 2016, 908, 161-177.	2.5	11
60	Deciphering the Dipole Anisotropy of Galactic Cosmic Rays. <i>Physical Review Letters</i> , 2016, 117, 151103.	7.8	51
61	ANISOTROPY IN COSMIC-RAY ARRIVAL DIRECTIONS IN THE SOUTHERN HEMISPHERE BASED ON SIX YEARS OF DATA FROM THE ICECUBE DETECTOR. <i>Astrophysical Journal</i> , 2016, 826, 220.	4.5	72
62	Searches for Sterile Neutrinos with the IceCube Detector. <i>Physical Review Letters</i> , 2016, 117, 071801.	7.8	140
63	All-flavour search for neutrinos from dark matter annihilations in the Milky Way with IceCube/DeepCore. <i>European Physical Journal C</i> , 2016, 76, 1.	3.9	37
64	Galactic neutrinos in the TeV to PeV range. <i>Physical Review D</i> , 2016, 93, .	4.7	70
65	Search for astrophysical tau neutrinos in three years of IceCube data. <i>Physical Review D</i> , 2016, 93, .	4.7	44
66	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. <i>Physical Review D</i> , 2016, 93, .	4.7	92
67	Hidden Cosmic-Ray Accelerators as an Origin of TeV-PeV Cosmic Neutrinos. <i>Physical Review Letters</i> , 2016, 116, 071101.	7.8	221
68	AN ALL-SKY SEARCH FOR THREE FLAVORS OF NEUTRINOS FROM GAMMA-RAY BURSTS WITH THE ICECUBE NEUTRINO OBSERVATORY. <i>Astrophysical Journal</i> , 2016, 824, 115.	4.5	109
69	LOWERING ICECUBE'S ENERGY THRESHOLD FOR POINT SOURCE SEARCHES IN THE SOUTHERN SKY. <i>Astrophysical Journal Letters</i> , 2016, 824, L28.	8.3	27
70	Characterization of the atmospheric muon flux in IceCube. <i>Astroparticle Physics</i> , 2016, 78, 1-27.	4.3	51
71	Searches for relativistic magnetic monopoles in IceCube. <i>European Physical Journal C</i> , 2016, 76, 1.	3.9	29
72	THE SEARCH FOR TRANSIENT ASTROPHYSICAL NEUTRINO EMISSION WITH ICECUBE-DEEPCORE. <i>Astrophysical Journal</i> , 2016, 816, 75.	4.5	5

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73	Search for correlations between the arrival directions of IceCube neutrino events and ultrahigh-energy cosmic rays detected by the Pierre Auger Observatory and the Telescope Array. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 037-037.	5.4	31
74	Small-scale anisotropies of cosmic rays from relative diffusion. , 2016, , .		1
75	Multimessenger Probes of the Cosmic Rays Origin. , 2016, , .		0
76	IceCube and the Discovery of High-Energy Cosmic Neutrinos. , 2016, , .		0
77	High-energy Cosmogenic Neutrinos. Physics Procedia, 2015, 61, 392-398.	1.2	2
78	Determining neutrino oscillation parameters from atmospheric muon neutrino disappearance with three years of IceCube DeepCore data. Physical Review D, 2015, 91, .	4.7	86
79	Measurement of the Atmospheric $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle^{\hat{1}/2} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ Spectrum with IceCube. Physical Review D, 2015, 91, .	4.7	48
80	Indications of negative evolution for the sources of the highest energy cosmic rays. Physical Review D, 2015, 92, .	4.7	59
81	Testing the Dark Matter Scenario for PeV Neutrinos Observed in IceCube. Physical Review Letters, 2015, 115, 071301.	7.8	123
82	Evidence for Astrophysical Muon Neutrinos from the Northern Sky with IceCube. Physical Review Letters, 2015, 115, 081102.	7.8	247
83	SEARCH FOR PROMPT NEUTRINO EMISSION FROM GAMMA-RAY BURSTS WITH ICECUBE. Astrophysical Journal Letters, 2015, 805, L5.	8.3	124
84	THE DETECTION OF A SN II _{in} IN OPTICAL FOLLOW-UP OBSERVATIONS OF ICECUBE NEUTRINO EVENTS. Astrophysical Journal, 2015, 811, 52.	4.5	39
85	Search for dark matter annihilation in the Galactic Center with IceCube-79. European Physical Journal C, 2015, 75, 1.	3.9	52
86	SMALL-SCALE ANISOTROPIES OF COSMIC RAYS FROM RELATIVE DIFFUSION. Astrophysical Journal Letters, 2015, 815, L2.	8.3	27
87	High-energy cosmic neutrino puzzle: a review. Reports on Progress in Physics, 2015, 78, 126901.	20.1	51
88	Development of a general analysis and unfolding scheme and its application to measure the energy spectrum of atmospheric neutrinos with IceCube. European Physical Journal C, 2015, 75, 116.	3.9	38
89	Searches for small-scale anisotropies from neutrino point sources with three years of IceCube data. Astroparticle Physics, 2015, 66, 39-52.	4.3	34
90	Multipole analysis of IceCube data to search for dark matter accumulated in the Galactic halo. European Physical Journal C, 2015, 75, 1.	3.9	28

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91	Flavor Ratio of Astrophysical Neutrinos above 35 TeV in IceCube. Physical Review Letters, 2015, 114, 171102.	7.8	156
92	Atmospheric and astrophysical neutrinos above 1 TeV interacting in IceCube. Physical Review D, 2015, 91, .	4.7	209
93	SEARCHES FOR TIME-DEPENDENT NEUTRINO SOURCES WITH ICECUBE DATA FROM 2008 TO 2012. Astrophysical Journal, 2015, 807, 46.	4.5	56
94	A COMBINED MAXIMUM-LIKELIHOOD ANALYSIS OF THE HIGH-ENERGY ASTROPHYSICAL NEUTRINO FLUX MEASURED WITH ICECUBE. Astrophysical Journal, 2015, 809, 98.	4.5	337
95	The IceProd framework: Distributed data processing for the IceCube neutrino observatory. Journal of Parallel and Distributed Computing, 2015, 75, 198-211.	4.1	9
96	A SEARCH FOR POINT SOURCES OF EeV PHOTONS. Astrophysical Journal, 2014, 789, 160.	4.5	29
97	Multi-messenger tests of the IceCube excess. , 2014, , .		0
98	Reconstruction of inclined air showers detected with the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 019-019.	5.4	49
99	Observation of the cosmic-ray shadow of the Moon with IceCube. Physical Review D, 2014, 89, .	4.7	34
100	Probing the Galactic origin of the IceCube excess with gamma rays. Physical Review D, 2014, 90, .	4.7	151
101	Probing the radio emission from air showers with polarization measurements. Physical Review D, 2014, 89, .	4.7	85
102	Pinpointing extragalactic neutrino sources in light of recent IceCube observations. Physical Review D, 2014, 90, .	4.7	85
103	Search for a diffuse flux of astrophysical muon neutrinos with the IceCube 59-string configuration. Physical Review D, 2014, 89, .	4.7	74
104	Search for neutrino-induced particle showers with IceCube-40. Physical Review D, 2014, 89, .	4.7	23
105	Energy reconstruction methods in the IceCube neutrino telescope. Journal of Instrumentation, 2014, 9, P03009-P03009.	1.2	171
106	Multimessenger search for sources of gravitational waves and high-energy neutrinos: Initial results for LIGO-Virgo and IceCube. Physical Review D, 2014, 90, .	4.7	29
107	A TARGETED SEARCH FOR POINT SOURCES OF EeV NEUTRONS. Astrophysical Journal Letters, 2014, 789, L34.	8.3	14
108	Improvement in fast particle track reconstruction with robust statistics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 736, 143-149.	1.6	25

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109	Anomalous Anisotropies of Cosmic Rays from Turbulent Magnetic Fields. Physical Review Letters, 2014, 112, 021101.	7.8	47
110	SEARCHES FOR EXTENDED AND POINT-LIKE NEUTRINO SOURCES WITH FOUR YEARS OF ICECUBE DATA. Astrophysical Journal, 2014, 796, 109.	4.5	149
111	Observation of High-Energy Astrophysical Neutrinos in Three Years of IceCube Data. Physical Review Letters, 2014, 113, 101101.	7.8	873
112	Search for non-relativistic magnetic monopoles with IceCube. European Physical Journal C, 2014, 74, 1.	3.9	39
113	Origin of atmospheric aerosols at the Pierre Auger Observatory using studies of air mass trajectories in South America. Atmospheric Research, 2014, 149, 120-135.	4.1	6
114	First Observation of PeV-Energy Neutrinos with IceCube. Physical Review Letters, 2013, 111, 021103.	7.8	578
115	An improved method for measuring muon energy using the truncated mean of dE/dx . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 703, 190-198.	1.6	36
116	Measurement of Atmospheric Neutrino Oscillations with IceCube. Physical Review Letters, 2013, 111, 081801.	7.8	49
117	Evidence for High-Energy Extraterrestrial Neutrinos at the IceCube Detector. Science, 2013, 342, 1242856.	12.6	1,048
118	Identifying clouds over the Pierre Auger Observatory using infrared satellite data. Astroparticle Physics, 2013, 50-52, 92-101.	4.3	8
119	Measurement of South Pole ice transparency with the IceCube LED calibration system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 711, 73-89.	1.6	122
120	The neutrino sky at very high energies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 725, 27-31.	1.6	0
121	Neutrinos as a Probe of Ultra-High Energy Cosmic Rays. Nuclear Physics, Section B, Proceedings Supplements, 2013, 235-236, 371-378.	0.4	0
122	Search for Dark Matter Annihilations in the Sun with the 79-String IceCube Detector. Physical Review Letters, 2013, 110, 131302.	7.8	235
123	Cosmic ray composition and energy spectrum from 1×10^{30} PeV using the 40-string configuration of IceTop and IceCube. Astroparticle Physics, 2013, 42, 15-32.	4.3	34
124	All-particle cosmic ray energy spectrum measured with 26 IceTop stations. Astroparticle Physics, 2013, 44, 40-58.	4.3	15
125	Search for Galactic PeV gamma rays with the IceCube Neutrino Observatory. Physical Review D, 2013, 87, .	4.7	29
126	Measurement of the Atmospheric μ^+ Flux in IceCube. Physical Review Letters, 2013, 110, 151105.	7.8	64

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127	IceTop: The surface component of IceCube. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 700, 188-220.	1.6	166
128	The cosmic triad: Cosmic rays, gamma-rays and neutrinos. , 2013, , .		0
129	Ultrahigh Energy Neutrinos at the Pierre Auger Observatory. Advances in High Energy Physics, 2013, 2013, 1-18.	1.1	39
130	Lateral distribution of muons in IceCube cosmic ray events. Physical Review D, 2013, 87, .	4.7	25
131	Ensemble fluctuations of the flux and nuclear composition of ultrahigh energy cosmic ray nuclei. Physical Review D, 2013, 87, .	4.7	10
132	Measurement of the cosmic ray energy spectrum with IceTop-73. Physical Review D, 2013, 88, .	4.7	114
133	IceCube search for dark matter annihilation in nearby galaxies and galaxy clusters. Physical Review D, 2013, 88, .	4.7	53
134	Testing the hadronuclear origin of PeV neutrinos observed with IceCube. Physical Review D, 2013, 88, .	4.7	269
135	Probing the origin of cosmic rays with extremely high energy neutrinos using the IceCube Observatory. Physical Review D, 2013, 88, .	4.7	47
136	Search for relativistic magnetic monopoles with IceCube. Physical Review D, 2013, 87, .	4.7	20
137	Techniques for measuring aerosol attenuation using the Central Laser Facility at the Pierre Auger Observatory. Journal of Instrumentation, 2013, 8, P04009-P04009.	1.2	24
138	Interpretation of the depths of maximum of extensive air showers measured by the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 026-026.	5.4	27
139	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
140	SEARCH FOR TIME-INDEPENDENT NEUTRINO EMISSION FROM ASTROPHYSICAL SOURCES WITH 3 yr OF IceCube DATA. Astrophysical Journal, 2013, 779, 132.	4.5	81
141	Bounds on the density of sources of ultra-high energy cosmic rays from the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 009-009.	5.4	34
142	OBSERVATION OF COSMIC-RAY ANISOTROPY WITH THE ICETOP AIR SHOWER ARRAY. Astrophysical Journal, 2013, 765, 55.	4.5	85
143	SEARCHES FOR HIGH-ENERGY NEUTRINO EMISSION IN THE GALAXY WITH THE COMBINED ICECUBE-AMANDA DETECTOR. Astrophysical Journal, 2013, 763, 33.	4.5	10
144	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. Astrophysical Journal Letters, 2012, 755, L4.	8.3	55

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145	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
146	Search for ultrahigh-energy tau neutrinos with IceCube. <i>Physical Review D</i> , 2012, 86, .	4.7	19
147	Measurement of the Proton-Air Cross Section at $s = 57 \text{ TeV}$ with the Pierre Auger Observatory. <i>Physical Review Letters</i> , 2012, 109, 062002.	7.8	212
148	Minimal cosmogenic neutrinos. <i>Physical Review D</i> , 2012, 86, .	4.7	60
149	A SEARCH FOR POINT SOURCES OF EeV NEUTRONS. <i>Astrophysical Journal</i> , 2012, 760, 148.	4.5	27
150	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
151	Use of event-level neutrino telescope data in global fits for theories of new physics. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 057-057.	5.4	15
152	Searching for soft relativistic jets in core-collapse supernovae with the IceCube optical follow-up program. <i>Astronomy and Astrophysics</i> , 2012, 539, A60.	5.1	40
153	NEUTRINO ANALYSIS OF THE 2010 SEPTEMBER CRAB NEBULA FLARE AND TIME-INTEGRATED CONSTRAINTS ON NEUTRINO EMISSION FROM THE CRAB USING ICECUBE. <i>Astrophysical Journal</i> , 2012, 745, 45.	4.5	13
154	The rapid atmospheric monitoring system of the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2012, 7, P09001-P09001.	1.2	24
155	Results of a self-triggered prototype system for radio-detection of extensive air showers at the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2012, 7, P11023-P11023.	1.2	24
156	SEARCHES FOR PERIODIC NEUTRINO EMISSION FROM BINARY SYSTEMS WITH 22 AND 40 STRINGS OF ICECUBE. <i>Astrophysical Journal</i> , 2012, 748, 118.	4.5	11
157	TIME-DEPENDENT SEARCHES FOR POINT SOURCES OF NEUTRINOS WITH THE 40-STRING AND 22-STRING CONFIGURATIONS OF ICECUBE. <i>Astrophysical Journal</i> , 2012, 744, 1.	4.5	37
158	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
159	Measurement of the cosmic ray energy spectrum using hybrid events of the Pierre Auger Observatory. <i>European Physical Journal Plus</i> , 2012, 127, 1.	2.6	34
160	An absence of neutrinos associated with cosmic-ray acceleration in $\hat{\gamma}$ -ray bursts. <i>Nature</i> , 2012, 484, 351-354.	27.8	272
161	Multiyear search for dark matter annihilations in the Sun with the AMANDA-II and IceCube detectors. <i>Physical Review D</i> , 2012, 85, .	4.7	66
162	OBSERVATION OF ANISOTROPY IN THE GALACTIC COSMIC-RAY ARRIVAL DIRECTIONS AT 400 TeV WITH ICECUBE. <i>Astrophysical Journal</i> , 2012, 746, 33.	4.5	115

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163	Background studies for acoustic neutrino detection at the South Pole. <i>Astroparticle Physics</i> , 2012, 35, 312-324.	4.3	12
164	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
165	The design and performance of IceCube DeepCore. <i>Astroparticle Physics</i> , 2012, 35, 615-624.	4.3	222
166	GRBs at Neutrino Telescopes. , 2012, , .		0
167	Need for a local source of ultrahigh-energy cosmic-ray nuclei. <i>Physical Review D</i> , 2011, 84, .	4.7	58
168	Constraints on the extremely-high energy cosmic neutrino flux with the IceCube 2008-2009 data. <i>Physical Review D</i> , 2011, 83, .	4.7	68
169	Search for dark matter from the Galactic halo with the IceCube Neutrino Telescope. <i>Physical Review D</i> , 2011, 84, .	4.7	79
170	Cosmogenic gamma rays and the composition of cosmic rays. <i>Physical Review D</i> , 2011, 84, .	4.7	39
171	Measurement of the atmospheric neutrino energy spectrum from 100ÂGeV to 400ÂTeV with IceCube. <i>Physical Review D</i> , 2011, 83, .	4.7	156
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