

James Beatty

List of Publications by Year in descending order

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340
papers

53,424
citations

3726

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times ranked

23175
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for High-energy Neutrinos from Ultraluminous Infrared Galaxies with IceCube. <i>Astrophysical Journal</i> , 2022, 926, 59.	1.6	7
2	Searches for neutrinos from cosmic-ray interactions in the Sun using seven years of IceCube data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 025-025.	1.9	4
3	Unusual Near-Horizon Cosmic-Ray-like Events Observed by ANITA-IV. <i>Physical Review Letters</i> , 2021, 126, 071103.	2.9	13
4	Measurements of the time-dependent cosmic-ray Sun shadow with seven years of IceCube data: Comparison with the Solar cycle and magnetic field models. <i>Physical Review D</i> , 2021, 103, .	1.6	8
5	Detection of a particle shower at the Glashow resonance with IceCube. <i>Nature</i> , 2021, 591, 220-224.	13.7	86
6	Follow-up of Astrophysical Transients in Real Time with the IceCube Neutrino Observatory. <i>Astrophysical Journal</i> , 2021, 910, 4.	1.6	18
7	Design and sensitivity of the Radio Neutrino Observatory in Greenland (RNO-G). <i>Journal of Instrumentation</i> , 2021, 16, P03025.	0.5	52
8	Experimental tests of sub-surface reflectors as an explanation for the ANITA anomalous events. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 016.	1.9	5
9	IceCube-Gen2: the window to the extreme Universe. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2021, 48, 060501.	1.4	204
10	A search for ultrahigh-energy neutrinos associated with astrophysical sources using the third flight of ANITA. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 017.	1.9	5
11	A Search for Time-dependent Astrophysical Neutrino Emission with IceCube Data from 2012 to 2017. <i>Astrophysical Journal</i> , 2021, 911, 67.	1.6	9
12	Search for GeV neutrino emission during intense gamma-ray solar flares with the IceCube Neutrino Observatory. <i>Physical Review D</i> , 2021, 103, .	1.6	5
13	Modeling in-ice radio propagation with parabolic equation methods. <i>Physical Review D</i> , 2021, 103, .	1.6	7
14	IceCube high-energy starting event sample: Description and flux characterization with 7.5 years of data. <i>Physical Review D</i> , 2021, 104, .	1.6	142
15	Measurement of the high-energy all-flavor neutrino-nucleon cross section with IceCube. <i>Physical Review D</i> , 2021, 104, .	1.6	15
16	LeptonInjector and LeptonWeighter: A neutrino event generator and weighter for neutrino observatories. <i>Computer Physics Communications</i> , 2021, 266, 108018.	3.0	8
17	Multimessenger Gamma-Ray and Neutrino Coincidence Alerts Using HAWC and IceCube Subthreshold Data. <i>Astrophysical Journal</i> , 2021, 906, 63.	1.6	9
18	All-flavor constraints on nonstandard neutrino interactions and generalized matter potential with three years of IceCube DeepCore data. <i>Physical Review D</i> , 2021, 104, .	1.6	13

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19	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.	3.0	12
20	The Radar Echo Telescope for Cosmic Rays: Pathfinder experiment for a next-generation neutrino observatory. <i>Physical Review D</i> , 2021, 104, .	1.6	16
21	Developing a silica aerogel radiator for the HELIX ring-imaging Cherenkov system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 952, 161879.	0.7	6
22	Neutrinos below 100 TeV from the southern sky employing refined veto techniques to IceCube data. <i>Astroparticle Physics</i> , 2020, 116, 102392.	1.9	3
23	Searching for eV-scale sterile neutrinos with eight years of atmospheric neutrinos at the IceCube Neutrino Telescope. <i>Physical Review D</i> , 2020, 102, .	1.6	34
24	Design and performance of the first IceAct demonstrator at the South Pole. <i>Journal of Instrumentation</i> , 2020, 15, T02002-T02002.	0.5	3
25	In-situ calibration of the single-photoelectron charge response of the IceCube photomultiplier tubes. <i>Journal of Instrumentation</i> , 2020, 15, P06032-P06032.	0.5	14
26	IceCube Search for Neutrinos Coincident with Compact Binary Mergers from LIGO-Virgo's First Gravitational-wave Transient Catalog. <i>Astrophysical Journal Letters</i> , 2020, 898, L10.	3.0	30
27	Combined sensitivity to the neutrino mass ordering with JUNO, the IceCube Upgrade, and PINGU. <i>Physical Review D</i> , 2020, 101, .	1.6	25
28	Combined search for neutrinos from dark matter self-annihilation in the Galactic Center with ANTARES and IceCube. <i>Physical Review D</i> , 2020, 102, .	1.6	31
29	Computational techniques for the analysis of small signals in high-statistics neutrino oscillation experiments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 977, 164332.	0.7	2
30	Constraints on neutrino emission from nearby galaxies using the 2MASS redshift survey and IceCube. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 042-042.	1.9	5
31	Review of Particle Physics. <i>Progress of Theoretical and Experimental Physics</i> , 2020, 2020, .	1.8	3,177
32	Constraints on the diffuse flux of ultrahigh energy neutrinos from four years of Askaryan Radio Array data in two stations. <i>Physical Review D</i> , 2020, 102, .	1.6	29
33	Velocity independent constraints on spin-dependent DM-nucleon interactions from IceCube and PICO. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	6
34	Cosmic ray spectrum from 250 TeV to 10 PeV using IceTop. <i>Physical Review D</i> , 2020, 102, .	1.6	17
35	Characteristics of the Diffuse Astrophysical Electron and Tau Neutrino Flux with Six Years of IceCube High Energy Cascade Data. <i>Physical Review Letters</i> , 2020, 125, 121104.	2.9	137
36	A Search for IceCube Events in the Direction of ANITA Neutrino Candidates. <i>Astrophysical Journal</i> , 2020, 892, 53.	1.6	20

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37	Observation of Radar Echoes from High-Energy Particle Cascades. <i>Physical Review Letters</i> , 2020, 124, 091101.	2.9	19
38	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.	1.6	12
39	Time-Integrated Neutrino Source Searches with 10 Years of IceCube Data. <i>Physical Review Letters</i> , 2020, 124, 051103.	2.9	221
40	Long-baseline horizontal radio-frequency transmission through polar ice. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 009-009.	1.9	10
41	eV-Scale Sterile Neutrino Search Using Eight Years of Atmospheric Muon Neutrino Data from the IceCube Neutrino Observatory. <i>Physical Review Letters</i> , 2020, 125, 141801.	2.9	57
42	Development of an analysis to probe the neutrino mass ordering with atmospheric neutrinos using three years of IceCube DeepCore data. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	12
43	A Search for MeV to TeV Neutrinos from Fast Radio Bursts with IceCube. <i>Astrophysical Journal</i> , 2020, 890, 111.	1.6	20
44	A Search for Neutrino Point-source Populations in 7 yr of IceCube Data with Neutrino-count Statistics. <i>Astrophysical Journal</i> , 2020, 893, 102.	1.6	11
45	ANTARES and IceCube Combined Search for Neutrino Point-like and Extended Sources in the Southern Sky. <i>Astrophysical Journal</i> , 2020, 892, 92.	1.6	25
46	IceCube Search for High-energy Neutrino Emission from TeV Pulsar Wind Nebulae. <i>Astrophysical Journal</i> , 2020, 898, 117.	1.6	21
47	Investigation of Two Fermi-LAT Gamma-Ray Blazars Coincident with High-energy Neutrinos Detected by IceCube. <i>Astrophysical Journal</i> , 2019, 880, 103.	1.6	60
48	Search for transient optical counterparts to high-energy IceCube neutrinos with Pan-STARRS1. <i>Astronomy and Astrophysics</i> , 2019, 626, A117.	2.1	13
49	Efficient propagation of systematic uncertainties from calibration to analysis with the SnowStorm method in IceCube. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 048-048.	1.9	14
50	Cosmic ray spectrum and composition from PeV to EeV using 3 years of data from IceTop and IceCube. <i>Physical Review D</i> , 2019, 100, .	1.6	76
51	The simulation of the sensitivity of the Antarctic Impulsive Transient Antenna (ANITA) to Askaryan radiation from cosmogenic neutrinos interacting in the Antarctic ice. <i>Journal of Instrumentation</i> , 2019, 14, P08011-P08011.	0.5	7
52	Search for Sources of Astrophysical Neutrinos Using Seven Years of IceCube Cascade Events. <i>Astrophysical Journal</i> , 2019, 886, 12.	1.6	53
53	Search for steady point-like sources in the astrophysical muon neutrino flux with 8 years of IceCube data. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	75
54	HiCal 2: An instrument designed for calibration of the ANITA experiment and for Antarctic surface reflectivity measurements. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 918, 60-66.	0.7	9

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55	Constraints on the ultrahigh-energy cosmic neutrino flux from the fourth flight of ANITA. <i>Physical Review D</i> , 2019, 99, .	1.6	53
56	Design and performance of an interferometric trigger array for radio detection of high-energy neutrinos. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 930, 112-125.	0.7	26
57	Measurement of atmospheric tau neutrino appearance with IceCube DeepCore. <i>Physical Review D</i> , 2019, 99, .	1.6	53
58	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.	1.6	32
59	Comprehensive analysis of anomalous ANITA events disfavors a diffuse tau-neutrino flux origin. <i>Physical Review D</i> , 2019, 99, .	1.6	40
60	Measurement of the real dielectric permittivity μ of glacial ice. <i>Astroparticle Physics</i> , 2019, 108, 63-73.	1.9	15
61	All-sky Measurement of the Anisotropy of Cosmic Rays at 10 TeV and Mapping of the Local Interstellar Magnetic Field. <i>Astrophysical Journal</i> , 2019, 871, 96.	1.6	32
62	Detection of the Temporal Variation of the Sun's Cosmic Ray Shadow with the IceCube Detector. <i>Astrophysical Journal</i> , 2019, 872, 133.	1.6	7
63	Constraints on Minute-Scale Transient Astrophysical Neutrino Sources. <i>Physical Review Letters</i> , 2019, 122, 051102.	2.9	23
64	Measurements using the inelasticity distribution of multi-TeV neutrino interactions in IceCube. <i>Physical Review D</i> , 2019, 99, .	1.6	55
65	Measurement of Atmospheric Neutrino Oscillations at 6×10^{15} GeV with IceCube DeepCore. <i>Physical Review Letters</i> , 2018, 120, 071801.	2.9	88
66	An Indication of Anisotropy in Arrival Directions of Ultra-high-energy Cosmic Rays through Comparison to the Flux Pattern of Extragalactic Gamma-Ray Sources. <i>Astrophysical Journal Letters</i> , 2018, 853, L29.	3.0	165
67	Search for nonstandard neutrino interactions with IceCube DeepCore. <i>Physical Review D</i> , 2018, 97, .	1.6	23
68	Astrophysical neutrinos and cosmic rays observed by IceCube. <i>Advances in Space Research</i> , 2018, 62, 2902-2930.	1.2	20
69	Joint Constraints on Galactic Diffuse Neutrino Emission from the ANTARES and IceCube Neutrino Telescopes. <i>Astrophysical Journal Letters</i> , 2018, 868, L20.	3.0	64
70	Search for neutrinos from decaying dark matter with IceCube. <i>European Physical Journal C</i> , 2018, 78, 831.	1.4	62
71	Observation of an Unusual Upward-Going Cosmic-Ray-like Event in the Third Flight of ANITA. <i>Physical Review Letters</i> , 2018, 121, 161102.	2.9	91
72	Differential limit on the extremely-high-energy cosmic neutrino flux in the presence of astrophysical background from nine years of IceCube data. <i>Physical Review D</i> , 2018, 98, .	1.6	131

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73	Antarctic surface reflectivity calculations and measurements from the ANITA-4 and HiCal-2 experiments. <i>Physical Review D</i> , 2018, 98, .	1.6	10
74	Constraints on the diffuse high-energy neutrino flux from the third flight of ANITA. <i>Physical Review D</i> , 2018, 98, .	1.6	53
75	Neutrino interferometry for high-precision tests of Lorentz symmetry with IceCube. <i>Nature Physics</i> , 2018, 14, 961-966.	6.5	66
76	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. <i>Science</i> , 2018, 361, .	6.0	654
77	Neutrino emission from the direction of the blazar TXS 0506+056 prior to the IceCube-170922A alert. <i>Science</i> , 2018, 361, 147-151.	6.0	601
78	Dynamic tunable notch filters for the Antarctic Impulsive Transient Antenna (ANITA). <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 894, 47-56.	0.7	8
79	Review of Particle Physics. <i>Physical Review D</i> , 2018, 98, .	1.6	5,390
80	A Search for Neutrino Emission from Fast Radio Bursts with Six Years of IceCube Data. <i>Astrophysical Journal</i> , 2018, 857, 117.	1.6	22
81	Constraints on the ultra-high-energy neutrino flux from Gamma-Ray bursts from a prototype station of the Askaryan radio array. <i>Astroparticle Physics</i> , 2017, 88, 7-16.	1.9	6
82	All-sky Search for Time-integrated Neutrino Emission from Astrophysical Sources with 7 yr of IceCube Data. <i>Astrophysical Journal</i> , 2017, 835, 151.	1.6	198
83	Impact of atmospheric effects on the energy reconstruction of air showers observed by the surface detectors of the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2017, 12, P02006-P02006.	0.5	8
84	Antarctic Surface Reflectivity Measurements from the ANITA-3 and HiCal-1 Experiments. <i>Journal of Astronomical Instrumentation</i> , 2017, 06, 1740002.	0.8	11
85	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.	1.4	45
86	Combined fit of spectrum and composition data as measured by the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 038-038.	1.9	191
87	The IceCube realtime alert system. <i>Astroparticle Physics</i> , 2017, 92, 30-41.	1.9	116
88	Shape Analysis and Deployment of the ExaVolt Antenna. <i>Journal of Astronomical Instrumentation</i> , 2017, 06, 1740004.	0.8	1
89	Multi-resolution anisotropy studies of ultrahigh-energy cosmic rays detected at the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 026-026.	1.9	14
90	Muon counting using silicon photomultipliers in the AMIGA detector of the Pierre Auger observatory. <i>Journal of Instrumentation</i> , 2017, 12, P03002-P03002.	0.5	16

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91	Search for photons with energies above 10^{18} eV using the hybrid detector of the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 009-009.	1.9	49
92	The IceCube Neutrino Observatory: instrumentation and online systems. <i>Journal of Instrumentation</i> , 2017, 12, P03012-P03012.	0.5	390
93	A Targeted Search for Point Sources of EeV Photons with the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , 2017, 837, L25.	3.0	21
94	Multi-messenger Observations of a Binary Neutron Star Merger [*] . <i>Astrophysical Journal Letters</i> , 2017, 848, L12.	3.0	2,805
95	Spectral calibration of the fluorescence telescopes of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2017, 95, 44-56.	1.9	7
96	Search for Astrophysical Sources of Neutrinos Using Cascade Events in IceCube. <i>Astrophysical Journal</i> , 2017, 846, 136.	1.6	21
97	Observation of a large-scale anisotropy in the arrival directions of cosmic rays above 8×10^{18} eV. <i>Science</i> , 2017, 357, 1266-1270.	6.0	261
98	Search for sterile neutrino mixing using three years of IceCube DeepCore data. <i>Physical Review D</i> , 2017, 95, .	1.6	75
99	Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. <i>Physical Review D</i> , 2017, 96, .	1.6	40
100	Search for annihilating dark matter in the Sun with 3 years of IceCube data. <i>European Physical Journal C</i> , 2017, 77, 1.	1.4	111
101	Inferences on mass composition and tests of hadronic interactions from 0.3 to 100 EeV using the water-Cherenkov detectors of the Pierre Auger Observatory. <i>Physical Review D</i> , 2017, 96, .	1.6	82
102	Measurement of the μ energy spectrum with IceCube-79. <i>European Physical Journal C</i> , 2017, 77, 692.	1.4	24
103	Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , 2017, 850, L35.	3.0	135
104	Measurement of the multi-TeV neutrino interaction cross-section with IceCube using Earth absorption. <i>Nature</i> , 2017, 551, 596-600.	13.7	113
105	Constraints on Galactic Neutrino Emission with Seven Years of IceCube Data. <i>Astrophysical Journal</i> , 2017, 849, 67.	1.6	95
106	Extending the Search for Muon Neutrinos Coincident with Gamma-Ray Bursts in IceCube Data. <i>Astrophysical Journal</i> , 2017, 843, 112.	1.6	116
107	First search for dark matter annihilations in the Earth with the IceCube detector. <i>European Physical Journal C</i> , 2017, 77, 1.	1.4	20
108	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.	1.4	62

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109	Calibration of the logarithmic-periodic dipole antenna (LPDA) radio stations at the Pierre Auger Observatory using an octocopter. <i>Journal of Instrumentation</i> , 2017, 12, T10005-T10005.	0.5	21
110	Multiwavelength follow-up of a rare IceCube neutrino multiplet. <i>Astronomy and Astrophysics</i> , 2017, 607, A115.	2.1	33
111	Search for UHE neutrinos in coincidence with LIGO GW150914 event with the Pierre Auger Observatory. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 295-298.	0.0	0
112	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.	1.9	56
113	Very high-energy gamma-ray follow-up program using neutrino triggers from IceCube. <i>Journal of Instrumentation</i> , 2016, 11, P11009-P11009.	0.5	24
114	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.	1.6	336
115	SEARCH FOR SOURCES OF HIGH-ENERGY NEUTRONS WITH FOUR YEARS OF DATA FROM THE ICETOP DETECTOR. <i>Astrophysical Journal</i> , 2016, 830, 129.	1.6	7
116	Ultrahigh-energy neutrino follow-up of gravitational wave events GW150914 and GW151226 with the Pierre Auger Observatory. <i>Physical Review D</i> , 2016, 94, .	1.6	38
117	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.	2.9	111
118	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.	1.6	49
119	Neutrino oscillation studies with IceCube-DeepCore. <i>Nuclear Physics B</i> , 2016, 908, 161-177.	0.9	11
120	Evidence for a mixed mass composition at the "ankle" in the cosmic-ray spectrum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 762, 288-295.	1.5	84
121	Search for ultrarelativistic magnetic monopoles with the Pierre Auger observatory. <i>Physical Review D</i> , 2016, 94, .	1.6	15
122	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.	1.6	72
123	Searches for Sterile Neutrinos with the IceCube Detector. <i>Physical Review Letters</i> , 2016, 117, 071801.	2.9	140
124	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.	1.4	37
125	Search for astrophysical tau neutrinos in three years of IceCube data. <i>Physical Review D</i> , 2016, 93, .	1.6	44
126	Azimuthal asymmetry in the risetime of the surface detector signals of the Pierre Auger Observatory. <i>Physical Review D</i> , 2016, 93, .	1.6	21

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127	Performance of two Askaryan Radio Array stations and first results in the search for ultrahigh energy neutrinos. <i>Physical Review D</i> , 2016, 93, .	1.6	87
128	Energy estimation of cosmic rays with the Engineering Radio Array of the Pierre Auger Observatory. <i>Physical Review D</i> , 2016, 93, .	1.6	80
129	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. <i>Physical Review D</i> , 2016, 93, .	1.6	92
130	Measurement of the Radiation Energy in the Radio Signal of Extensive Air Showers as a Universal Estimator of Cosmic-Ray Energy. <i>Physical Review Letters</i> , 2016, 116, 241101.	2.9	91
131	Review of Particle Physics. <i>Chinese Physics C</i> , 2016, 40, 100001.	1.5	4,200
132	Characteristics of Four Upward-Pointing Cosmic-Ray-like Events Observed with ANITA. <i>Physical Review Letters</i> , 2016, 117, 071101.	2.9	94
133	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.	1.6	109
134	LOWERING ICECUBE'S ENERGY THRESHOLD FOR POINT SOURCE SEARCHES IN THE SOUTHERN SKY. <i>Astrophysical Journal Letters</i> , 2016, 824, L28.	3.0	27
135	Testing Hadronic Interactions at Ultrahigh Energies with Air Showers Measured by the Pierre Auger Observatory. <i>Physical Review Letters</i> , 2016, 117, 192001.	2.9	154
136	Nanosecond-level time synchronization of autonomous radio detector stations for extensive air showers. <i>Journal of Instrumentation</i> , 2016, 11, P01018-P01018.	0.5	20
137	Characterization of the atmospheric muon flux in IceCube. <i>Astroparticle Physics</i> , 2016, 78, 1-27.	1.9	51
138	Searches for relativistic magnetic monopoles in IceCube. <i>European Physical Journal C</i> , 2016, 76, 1.	1.4	29
139	THE SEARCH FOR TRANSIENT ASTROPHYSICAL NEUTRINO EMISSION WITH ICECUBE-DEEPCORE. <i>Astrophysical Journal</i> , 2016, 816, 75.	1.6	5
140	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. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 037-037.	1.9	31
141	Energy and flux measurements of ultra-high energy cosmic rays observed during the first ANITA flight. <i>Astroparticle Physics</i> , 2016, 77, 32-43.	1.9	55
142	Prototype muon detectors for the AMIGA component of the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2016, 11, P02012-P02012.	0.5	38
143	Determining neutrino oscillation parameters from atmospheric muon neutrino disappearance with three years of IceCube DeepCore data. <i>Physical Review D</i> , 2015, 91, .	1.6	86
144	Measurement of the Atmospheric $\langle \sigma_{\text{had}} \rangle$ Spectrum with IceCube. <i>Physical Review D</i> , 2015, 91, .	1.6	48

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145	Evidence for Astrophysical Muon Neutrinos from the Northern Sky with IceCube. <i>Physical Review Letters</i> , 2015, 115, 081102.	2.9	247
146	SEARCH FOR PROMPT NEUTRINO EMISSION FROM GAMMA-RAY BURSTS WITH ICECUBE. <i>Astrophysical Journal Letters</i> , 2015, 805, L5.	3.0	124
147	THE DETECTION OF A SN IIn IN OPTICAL FOLLOW-UP OBSERVATIONS OF ICECUBE NEUTRINO EVENTS. <i>Astrophysical Journal</i> , 2015, 811, 52.	1.6	39
148	The Pierre Auger Cosmic Ray Observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 798, 172-213.	0.7	442
149	Search for dark matter annihilation in the Galactic Center with IceCube-79. <i>European Physical Journal C</i> , 2015, 75, 1.	1.4	52
150	Antarctic radio frequency albedo and implications for cosmic ray reconstruction. <i>Radio Science</i> , 2015, 50, 1-17.	0.8	11
151	Measurement of the cosmic ray spectrum above 4×10^{18} eV using inclined events detected with the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 049-049.	1.9	20
152	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.	1.6	146
153	Development of a general analysis and unfolding scheme and its application to measure the energy spectrum of atmospheric neutrinos with IceCube. <i>European Physical Journal C</i> , 2015, 75, 116.	1.4	38
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