

James Beatty

List of Publications by Year in descending order

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340
papers

53,424
citations

3731

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346
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.	4.5	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.	5.4	4
3	Unusual Near-Horizon Cosmic-Ray-like Events Observed by ANITA-IV. <i>Physical Review Letters</i> , 2021, 126, 071103.	7.8	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, .	4.7	8
5	Detection of a particle shower at the Glashow resonance with IceCube. <i>Nature</i> , 2021, 591, 220-224.	27.8	86
6	Follow-up of Astrophysical Transients in Real Time with the IceCube Neutrino Observatory. <i>Astrophysical Journal</i> , 2021, 910, 4.	4.5	18
7	Design and sensitivity of the Radio Neutrino Observatory in Greenland (RNO-G). <i>Journal of Instrumentation</i> , 2021, 16, P03025.	1.2	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.	5.4	5
9	IceCube-Gen2: the window to the extreme Universe. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2021, 48, 060501.	3.6	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.	5.4	5
11	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
12	Search for GeV neutrino emission during intense gamma-ray solar flares with the IceCube Neutrino Observatory. <i>Physical Review D</i> , 2021, 103, .	4.7	5
13	Modeling in-ice radio propagation with parabolic equation methods. <i>Physical Review D</i> , 2021, 103, .	4.7	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, .	4.7	142
15	Measurement of the high-energy all-flavor neutrino-nucleon cross section with IceCube. <i>Physical Review D</i> , 2021, 104, .	4.7	15
16	LeptonInjector and LeptonWeighter: A neutrino event generator and weighter for neutrino observatories. <i>Computer Physics Communications</i> , 2021, 266, 108018.	7.5	8
17	Multimessenger Gamma-Ray and Neutrino Coincidence Alerts Using HAWC and IceCube Subthreshold Data. <i>Astrophysical Journal</i> , 2021, 906, 63.	4.5	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, .	4.7	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.	8.3	12
20	The Radar Echo Telescope for Cosmic Rays: Pathfinder experiment for a next-generation neutrino observatory. <i>Physical Review D</i> , 2021, 104, .	4.7	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.	1.6	6
22	Neutrinos below 100 TeV from the southern sky employing refined veto techniques to IceCube data. <i>Astroparticle Physics</i> , 2020, 116, 102392.	4.3	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, .	4.7	34
24	Design and performance of the first IceAct demonstrator at the South Pole. <i>Journal of Instrumentation</i> , 2020, 15, T02002-T02002.	1.2	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.	1.2	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.	8.3	30
27	Combined sensitivity to the neutrino mass ordering with JUNO, the IceCube Upgrade, and PINGU. <i>Physical Review D</i> , 2020, 101, .	4.7	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, .	4.7	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.	1.6	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.	5.4	5
31	Review of Particle Physics. <i>Progress of Theoretical and Experimental Physics</i> , 2020, 2020, .	6.6	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, .	4.7	29
33	Velocity independent constraints on spin-dependent DM-nucleon interactions from IceCube and PICO. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	6
34	Cosmic ray spectrum from 250 TeV to 10 PeV using IceTop. <i>Physical Review D</i> , 2020, 102, .	4.7	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.	7.8	137
36	A Search for IceCube Events in the Direction of ANITA Neutrino Candidates. <i>Astrophysical Journal</i> , 2020, 892, 53.	4.5	20

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37	Observation of Radar Echoes from High-Energy Particle Cascades. <i>Physical Review Letters</i> , 2020, 124, 091101.	7.8	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.	4.5	12
39	Time-Integrated Neutrino Source Searches with 10 Years of IceCube Data. <i>Physical Review Letters</i> , 2020, 124, 051103.	7.8	221
40	Long-baseline horizontal radio-frequency transmission through polar ice. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 009-009.	5.4	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.	7.8	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.	3.9	12
43	A Search for MeV to TeV Neutrinos from Fast Radio Bursts with IceCube. <i>Astrophysical Journal</i> , 2020, 890, 111.	4.5	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.	4.5	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.	4.5	25
46	IceCube Search for High-energy Neutrino Emission from TeV Pulsar Wind Nebulae. <i>Astrophysical Journal</i> , 2020, 898, 117.	4.5	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.	4.5	60
48	Search for transient optical counterparts to high-energy IceCube neutrinos with Pan-STARRS1. <i>Astronomy and Astrophysics</i> , 2019, 626, A117.	5.1	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.	5.4	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, .	4.7	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.	1.2	7
52	Search for Sources of Astrophysical Neutrinos Using Seven Years of IceCube Cascade Events. <i>Astrophysical Journal</i> , 2019, 886, 12.	4.5	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.	3.9	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.	1.6	9

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55	Constraints on the ultrahigh-energy cosmic neutrino flux from the fourth flight of ANITA. Physical Review D, 2019, 99, .	4.7	53
56	Design and performance of an interferometric trigger array for radio detection of high-energy neutrinos. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 930, 112-125.	1.6	26
57	Measurement of atmospheric tau neutrino appearance with IceCube DeepCore. Physical Review D, 2019, 99, .	4.7	53
58	Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube. Astrophysical Journal, 2019, 870, 134.	4.5	32
59	Comprehensive analysis of anomalous ANITA events disfavors a diffuse tau-neutrino flux origin. Physical Review D, 2019, 99, .	4.7	40
60	Measurement of the real dielectric permittivity ϵ' of glacial ice. Astroparticle Physics, 2019, 108, 63-73.	4.3	15
61	All-sky Measurement of the Anisotropy of Cosmic Rays at 10 TeV and Mapping of the Local Interstellar Magnetic Field. Astrophysical Journal, 2019, 871, 96.	4.5	32
62	Detection of the Temporal Variation of the Sun's Cosmic Ray Shadow with the IceCube Detector. Astrophysical Journal, 2019, 872, 133.	4.5	7
63	Constraints on Minute-Scale Transient Astrophysical Neutrino Sources. Physical Review Letters, 2019, 122, 051102.	7.8	23
64	Measurements using the inelasticity distribution of multi-TeV neutrino interactions in IceCube. Physical Review D, 2019, 99, .	4.7	55
65	Measurement of Atmospheric Neutrino Oscillations at 6×10^{14} GeV with IceCube DeepCore. Physical Review Letters, 2018, 120, 071801.	7.8	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. Astrophysical Journal Letters, 2018, 853, L29.	8.3	165
67	Search for nonstandard neutrino interactions with IceCube DeepCore. Physical Review D, 2018, 97, .	4.7	23
68	Astrophysical neutrinos and cosmic rays observed by IceCube. Advances in Space Research, 2018, 62, 2902-2930.	2.6	20
69	Joint Constraints on Galactic Diffuse Neutrino Emission from the ANTARES and IceCube Neutrino Telescopes. Astrophysical Journal Letters, 2018, 868, L20.	8.3	64
70	Search for neutrinos from decaying dark matter with IceCube. European Physical Journal C, 2018, 78, 831.	3.9	62
71	Observation of an Unusual Upward-Going Cosmic-Ray-like Event in the Third Flight of ANITA. Physical Review Letters, 2018, 121, 161102.	7.8	91
72	Differential limit on the extremely-high-energy cosmic neutrino flux in the presence of astrophysical background from nine years of IceCube data. Physical Review D, 2018, 98, .	4.7	131

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73	Antarctic surface reflectivity calculations and measurements from the ANITA-4 and HiCal-2 experiments. Physical Review D, 2018, 98, .	4.7	10
74	Constraints on the diffuse high-energy neutrino flux from the third flight of ANITA. Physical Review D, 2018, 98, .	4.7	53
75	Neutrino interferometry for high-precision tests of Lorentz symmetry with IceCube. Nature Physics, 2018, 14, 961-966.	16.7	66
76	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. Science, 2018, 361, .	12.6	654
77	Neutrino emission from the direction of the blazar TXS 0506+056 prior to the IceCube-170922A alert. Science, 2018, 361, 147-151.	12.6	601
78	Dynamic tunable notch filters for the Antarctic Impulsive Transient Antenna (ANITA). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 894, 47-56.	1.6	8
79	Review of Particle Physics. Physical Review D, 2018, 98, .	4.7	5,390
80	A Search for Neutrino Emission from Fast Radio Bursts with Six Years of IceCube Data. Astrophysical Journal, 2018, 857, 117.	4.5	22
81	Constraints on the ultra-high-energy neutrino flux from Gamma-Ray bursts from a prototype station of the Askaryan radio array. Astroparticle Physics, 2017, 88, 7-16.	4.3	6
82	All-sky Search for Time-integrated Neutrino Emission from Astrophysical Sources with 7 yr of IceCube Data. Astrophysical Journal, 2017, 835, 151.	4.5	198
83	Impact of atmospheric effects on the energy reconstruction of air showers observed by the surface detectors of the Pierre Auger Observatory. Journal of Instrumentation, 2017, 12, P02006-P02006.	1.2	8
84	Antarctic Surface Reflectivity Measurements from the ANITA-3 and HiCal-1 Experiments. Journal of Astronomical Instrumentation, 2017, 06, 1740002.	1.5	11
85	PINGU: a vision for neutrino and particle physics at the South Pole. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 054006.	3.6	45
86	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
87	The IceCube realtime alert system. Astroparticle Physics, 2017, 92, 30-41.	4.3	116
88	Shape Analysis and Deployment of the ExaVolt Antenna. Journal of Astronomical Instrumentation, 2017, 06, 1740004.	1.5	1
89	Multi-resolution anisotropy studies of ultrahigh-energy cosmic rays detected at the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 026-026.	5.4	14
90	Muon counting using silicon photomultipliers in the AMIGA detector of the Pierre Auger observatory. Journal of Instrumentation, 2017, 12, P03002-P03002.	1.2	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.	5.4	49
92	The IceCube Neutrino Observatory: instrumentation and online systems. <i>Journal of Instrumentation</i> , 2017, 12, P03012-P03012.	1.2	390
93	A Targeted Search for Point Sources of EeV Photons with the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , 2017, 837, L25.	8.3	21
94	Multi-messenger Observations of a Binary Neutron Star Merger [*] . <i>Astrophysical Journal Letters</i> , 2017, 848, L12.	8.3	2,805
95	Spectral calibration of the fluorescence telescopes of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2017, 95, 44-56.	4.3	7
96	Search for Astrophysical Sources of Neutrinos Using Cascade Events in IceCube. <i>Astrophysical Journal</i> , 2017, 846, 136.	4.5	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.	12.6	261
98	Search for sterile neutrino mixing using three years of IceCube DeepCore data. <i>Physical Review D</i> , 2017, 95, .	4.7	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, .	4.7	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.	3.9	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, .	4.7	82
102	Measurement of the μ energy spectrum with IceCube-79. <i>European Physical Journal C</i> , 2017, 77, 692.	3.9	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.	8.3	135
104	Measurement of the multi-TeV neutrino interaction cross-section with IceCube using Earth absorption. <i>Nature</i> , 2017, 551, 596-600.	27.8	113
105	Constraints on Galactic Neutrino Emission with Seven Years of IceCube Data. <i>Astrophysical Journal</i> , 2017, 849, 67.	4.5	95
106	Extending the Search for Muon Neutrinos Coincident with Gamma-Ray Bursts in IceCube Data. <i>Astrophysical Journal</i> , 2017, 843, 112.	4.5	116
107	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
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.	3.9	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.	1.2	21
110	Multiwavelength follow-up of a rare IceCube neutrino multiplet. <i>Astronomy and Astrophysics</i> , 2017, 607, A115.	5.1	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.	5.4	56
113	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
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.	4.5	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.	4.5	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, .	4.7	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.	7.8	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.	4.5	49
119	Neutrino oscillation studies with IceCube-DeepCore. <i>Nuclear Physics B</i> , 2016, 908, 161-177.	2.5	11
120	Evidence for a mixed mass composition at the \sim ankle TM in the cosmic-ray spectrum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 762, 288-295.	4.1	84
121	Search for ultrarelativistic magnetic monopoles with the Pierre Auger observatory. <i>Physical Review D</i> , 2016, 94, .	4.7	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.	4.5	72
123	Searches for Sterile Neutrinos with the IceCube Detector. <i>Physical Review Letters</i> , 2016, 117, 071801.	7.8	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.	3.9	37
125	Search for astrophysical tau neutrinos in three years of IceCube data. <i>Physical Review D</i> , 2016, 93, .	4.7	44
126	Azimuthal asymmetry in the risetime of the surface detector signals of the Pierre Auger Observatory. <i>Physical Review D</i> , 2016, 93, .	4.7	21

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127	Performance of two Askaryan Radio Array stations and first results in the search for ultrahigh energy neutrinos. Physical Review D, 2016, 93, .	4.7	87
128	Energy estimation of cosmic rays with the Engineering Radio Array of the Pierre Auger Observatory. Physical Review D, 2016, 93, .	4.7	80
129	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. Physical Review D, 2016, 93, .	4.7	92
130	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
131	Review of Particle Physics. Chinese Physics C, 2016, 40, 100001.	3.7	4,200
132	Characteristics of Four Upward-Pointing Cosmic-Ray-like Events Observed with ANITA. Physical Review Letters, 2016, 117, 071101.	7.8	94
133	AN ALL-SKY SEARCH FOR THREE FLAVORS OF NEUTRINOS FROM GAMMA-RAY BURSTS WITH THE ICECUBE NEUTRINO OBSERVATORY. Astrophysical Journal, 2016, 824, 115.	4.5	109
134	LOWERING ICECUBE'S ENERGY THRESHOLD FOR POINT SOURCE SEARCHES IN THE SOUTHERN SKY. Astrophysical Journal Letters, 2016, 824, L28.	8.3	27
135	Testing Hadronic Interactions at Ultrahigh Energies with Air Showers Measured by the Pierre Auger Observatory. Physical Review Letters, 2016, 117, 192001.	7.8	154
136	Nanosecond-level time synchronization of autonomous radio detector stations for extensive air showers. Journal of Instrumentation, 2016, 11, P01018-P01018.	1.2	20
137	Characterization of the atmospheric muon flux in IceCube. Astroparticle Physics, 2016, 78, 1-27.	4.3	51
138	Searches for relativistic magnetic monopoles in IceCube. European Physical Journal C, 2016, 76, 1.	3.9	29
139	THE SEARCH FOR TRANSIENT ASTROPHYSICAL NEUTRINO EMISSION WITH ICECUBE-DEEPCORE. Astrophysical Journal, 2016, 816, 75.	4.5	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. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 037-037.	5.4	31
141	Energy and flux measurements of ultra-high energy cosmic rays observed during the first ANITA flight. Astroparticle Physics, 2016, 77, 32-43.	4.3	55
142	Prototype muon detectors for the AMIGA component of the Pierre Auger Observatory. Journal of Instrumentation, 2016, 11, P02012-P02012.	1.2	38
143	Determining neutrino oscillation parameters from atmospheric muon neutrino disappearance with three years of IceCube DeepCore data. Physical Review D, 2015, 91, .	4.7	86
144	Measurement of the Atmospheric $\langle \mathbf{p} \rangle^{\frac{1}{2}}$ Spectrum with IceCube. Physical Review D, 2015, 91, .	4.7	48

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145	Evidence for Astrophysical Muon Neutrinos from the Northern Sky with IceCube. Physical Review Letters, 2015, 115, 081102.	7.8	247
146	SEARCH FOR PROMPT NEUTRINO EMISSION FROM GAMMA-RAY BURSTS WITH ICECUBE. Astrophysical Journal Letters, 2015, 805, L5.	8.3	124
147	THE DETECTION OF A SN IIn IN OPTICAL FOLLOW-UP OBSERVATIONS OF ICECUBE NEUTRINO EVENTS. Astrophysical Journal, 2015, 811, 52.	4.5	39
148	The Pierre Auger Cosmic Ray Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 798, 172-213.	1.6	442
149	Search for dark matter annihilation in the Galactic Center with IceCube-79. European Physical Journal C, 2015, 75, 1.	3.9	52
150	Antarctic radio frequency albedo and implications for cosmic ray reconstruction. Radio Science, 2015, 50, 1-17.	1.6	11
151	Measurement of the cosmic ray spectrum above 4×10^{18} eV using inclined events detected with the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 049-049.	5.4	20
152	SEARCHES FOR ANISOTROPIES IN THE ARRIVAL DIRECTIONS OF THE HIGHEST ENERGY COSMIC RAYS DETECTED BY THE PIERRE AUGER OBSERVATORY. Astrophysical Journal, 2015, 804, 15.	4.5	146
153	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
154	Improved limit to the diffuse flux of ultrahigh energy neutrinos from the Pierre Auger Observatory. Physical Review D, 2015, 91, .	4.7	125
155	Muons in air showers at the Pierre Auger Observatory: Mean number in highly inclined events. Physical Review D, 2015, 91, .	4.7	152
156	Searches for small-scale anisotropies from neutrino point sources with three years of IceCube data. Astroparticle Physics, 2015, 66, 39-52.	4.3	34
157	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
158	An interferometric analysis method for radio impulses from ultra-high energy particle showers. Astroparticle Physics, 2015, 60, 72-85.	4.3	25
159	Flavor Ratio of Astrophysical Neutrinos above 35 TeV in IceCube. Physical Review Letters, 2015, 114, 171102.	7.8	156
160	First constraints on the ultra-high energy neutrino flux from a prototype station of the Askaryan Radio Array. Astroparticle Physics, 2015, 70, 62-80.	4.3	44
161	Atmospheric and astrophysical neutrinos above 1 TeV interacting in IceCube. Physical Review D, 2015, 91, .	4.7	209
162	SEARCHES FOR TIME-DEPENDENT NEUTRINO SOURCES WITH ICECUBE DATA FROM 2008 TO 2012. Astrophysical Journal, 2015, 807, 46.	4.5	56

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163	Search for patterns by combining cosmic-ray energy and arrival directions at the Pierre Auger Observatory. <i>European Physical Journal C</i> , 2015, 75, 269.	3.9	12
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