

James Beatty

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

333
papers

41,360
citations

77
h-index

200
g-index

346
ext. papers

48,121
ext. citations

5
avg, IF

8.23
L-index

#	Paper	IF	Citations
333	Search for High-energy Neutrinos from Ultraluminous Infrared Galaxies with IceCube. <i>Astrophysical Journal</i> , 2022 , 926, 59	4.7	0
332	The Radar Echo Telescope for Cosmic Rays: Pathfinder experiment for a next-generation neutrino observatory. <i>Physical Review D</i> , 2021 , 104,	4.9	2
331	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,	4.9	1
330	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	7.9	3
329	Detection of a particle shower at the Glashow resonance with IceCube. <i>Nature</i> , 2021 , 591, 220-224	50.4	20
328	Follow-up of Astrophysical Transients in Real Time with the IceCube Neutrino Observatory. <i>Astrophysical Journal</i> , 2021 , 910, 4	4.7	2
327	Design and sensitivity of the Radio Neutrino Observatory in Greenland (RNO-G). <i>Journal of Instrumentation</i> , 2021 , 16, P03025	1	16
326	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	6.4	2
325	IceCube-Gen2: the window to the extreme Universe. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2021 , 48, 060501	2.9	55
324	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	6.4	3
323	A Search for Time-dependent Astrophysical Neutrino Emission with IceCube Data from 2012 to 2017. <i>Astrophysical Journal</i> , 2021 , 911, 67	4.7	2
322	Search for GeV neutrino emission during intense gamma-ray solar flares with the IceCube Neutrino Observatory. <i>Physical Review D</i> , 2021 , 103,	4.9	3
321	Modeling in-ice radio propagation with parabolic equation methods. <i>Physical Review D</i> , 2021 , 103,	4.9	3
320	IceCube high-energy starting event sample: Description and flux characterization with 7.5 years of data. <i>Physical Review D</i> , 2021 , 104,	4.9	30
319	Measurement of the high-energy all-flavor neutrino-nucleon cross section with IceCube. <i>Physical Review D</i> , 2021 , 104,	4.9	3
318	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	6.4	2
317	Unusual Near-Horizon Cosmic-Ray-like Events Observed by ANITA-IV. <i>Physical Review Letters</i> , 2021 , 126, 071103	7.4	7

3 ¹⁶	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,	4.9	2
3 ¹⁵	LeptonInjector and LeptonWeighter: A neutrino event generator and weighter for neutrino observatories. <i>Computer Physics Communications</i> , 2021 , 266, 108018	4.2	1
3 ¹⁴	Multimessenger Gamma-Ray and Neutrino Coincidence Alerts Using HAWC and IceCube Subthreshold Data. <i>Astrophysical Journal</i> , 2021 , 906, 63	4.7	2
3 ¹³	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	7.4	49
3 ¹²	A Search for IceCube Events in the Direction of ANITA Neutrino Candidates. <i>Astrophysical Journal</i> , 2020 , 892, 53	4.7	14
3 ¹¹	Observation of Radar Echoes from High-Energy Particle Cascades. <i>Physical Review Letters</i> , 2020 , 124, 091101	7.4	9
3 ¹⁰	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	4.7	4
3 ⁰⁹	Time-Integrated Neutrino Source Searches with 10 Years of IceCube Data. <i>Physical Review Letters</i> , 2020 , 124, 051103	7.4	78
3 ⁰⁸	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	7.4	16
3 ⁰⁷	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	4.2	8
3 ⁰⁶	A Search for MeV to TeV Neutrinos from Fast Radio Bursts with IceCube. <i>Astrophysical Journal</i> , 2020 , 890, 111	4.7	9
3 ⁰⁵	A Search for Neutrino Point-source Populations in 7 yr of IceCube Data with Neutrino-count Statistics. <i>Astrophysical Journal</i> , 2020 , 893, 102	4.7	3
3 ⁰⁴	ANTARES and IceCube Combined Search for Neutrino Point-like and Extended Sources in the Southern Sky. <i>Astrophysical Journal</i> , 2020 , 892, 92	4.7	13
3 ⁰³	IceCube Search for High-energy Neutrino Emission from TeV Pulsar Wind Nebulae. <i>Astrophysical Journal</i> , 2020 , 898, 117	4.7	10
3 ⁰²	Long-baseline horizontal radio-frequency transmission through polar ice. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020 , 2020, 009-009	6.4	3
3 ⁰¹	Neutrinos below 100 TeV from the southern sky employing refined veto techniques to IceCube data. <i>Astroparticle Physics</i> , 2020 , 116, 102392	2.4	2
3 ⁰⁰	Searching for eV-scale sterile neutrinos with eight years of atmospheric neutrinos at the IceCube Neutrino Telescope. <i>Physical Review D</i> , 2020 , 102,	4.9	14
2 ⁹⁹	Design and performance of the first IceAct demonstrator at the South Pole. <i>Journal of Instrumentation</i> , 2020 , 15, T02002-T02002	1	1

298	In-situ calibration of the single-photoelectron charge response of the IceCube photomultiplier tubes. <i>Journal of Instrumentation</i> , 2020 , 15, P06032-P06032	1	5
297	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	7.9	11
296	Combined sensitivity to the neutrino mass ordering with JUNO, the IceCube Upgrade, and PINGU. <i>Physical Review D</i> , 2020 , 101,	4.9	10
295	Combined search for neutrinos from dark matter self-annihilation in the Galactic Center with ANTARES and IceCube. <i>Physical Review D</i> , 2020 , 102,	4.9	11
294	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	1.2	1
293	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	6.4	3
292	Review of Particle Physics. <i>Progress of Theoretical and Experimental Physics</i> , 2020 , 2020,	5.4	1112
291	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,	4.9	11
290	Velocity independent constraints on spin-dependent DM-nucleon interactions from IceCube and PICO. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	3
289	Cosmic ray spectrum from 250 TeV to 10 PeV using IceTop. <i>Physical Review D</i> , 2020 , 102,	4.9	2
288	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	1.2	3
287	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	4.2	52
286	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	1.2	8
285	Constraints on the ultrahigh-energy cosmic neutrino flux from the fourth flight of ANITA. <i>Physical Review D</i> , 2019 , 99,	4.9	31
284	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	1.2	13
283	Measurement of atmospheric tau neutrino appearance with IceCube DeepCore. <i>Physical Review D</i> , 2019 , 99,	4.9	23
282	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	4.7	23
281	Comprehensive analysis of anomalous ANITA events disfavors a diffuse tau-neutrino flux origin. <i>Physical Review D</i> , 2019 , 99,	4.9	32

280	Measurement of the real dielectric permittivity ϵ' of glacial ice. <i>Astroparticle Physics</i> , 2019 , 108, 63-73	2.4	9
279	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	4.7	16
278	Detection of the Temporal Variation of the Sun's Cosmic Ray Shadow with the IceCube Detector. <i>Astrophysical Journal</i> , 2019 , 872, 133	4.7	5
277	Constraints on Minute-Scale Transient Astrophysical Neutrino Sources. <i>Physical Review Letters</i> , 2019 , 122, 051102	7.4	15
276	Investigation of Two Fermi-LAT Gamma-Ray Blazars Coincident with High-energy Neutrinos Detected by IceCube. <i>Astrophysical Journal</i> , 2019 , 880, 103	4.7	32
275	Search for transient optical counterparts to high-energy IceCube neutrinos with Pan-STARRS1. <i>Astronomy and Astrophysics</i> , 2019 , 626, A117	5.1	6
274	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	6.4	5
273	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,	4.9	23
272	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	6
271	Search for Sources of Astrophysical Neutrinos Using Seven Years of IceCube Cascade Events. <i>Astrophysical Journal</i> , 2019 , 886, 12	4.7	27
270	Measurements using the inelasticity distribution of multi-TeV neutrino interactions in IceCube. <i>Physical Review D</i> , 2019 , 99,	4.9	25
269	Measurement of Atmospheric Neutrino Oscillations at 6-56 TeV with IceCube DeepCore. <i>Physical Review Letters</i> , 2018 , 120, 071801	7.4	54
268	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	7.9	102
267	Search for nonstandard neutrino interactions with IceCube DeepCore. <i>Physical Review D</i> , 2018 , 97,	4.9	15
266	Astrophysical neutrinos and cosmic rays observed by IceCube. <i>Advances in Space Research</i> , 2018 , 62, 2902-2930	2.1	11
265	Neutrino interferometry for high-precision tests of Lorentz symmetry with IceCube. <i>Nature Physics</i> , 2018 , 14, 961-966	16.2	37
264	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. <i>Science</i> , 2018 , 361,	33.3	407
263	Neutrino emission from the direction of the blazar TXS 0506+056 prior to the IceCube-170922A alert. <i>Science</i> , 2018 , 361, 147-151	33.3	364

262	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	1.2	7
261	Review of Particle Physics*. <i>Physical Review D</i> , 2018 , 98,	4.9	4401
260	A Search for Neutrino Emission from Fast Radio Bursts with Six Years of IceCube Data. <i>Astrophysical Journal</i> , 2018 , 857, 117	4.7	14
259	Joint Constraints on Galactic Diffuse Neutrino Emission from the ANTARES and IceCube Neutrino Telescopes. <i>Astrophysical Journal Letters</i> , 2018 , 868, L20	7.9	35
258	Search for neutrinos from decaying dark matter with IceCube: IceCube Collaboration. <i>European Physical Journal C</i> , 2018 , 78, 831	4.2	28
257	Observation of an Unusual Upward-Going Cosmic-Ray-like Event in the Third Flight of ANITA. <i>Physical Review Letters</i> , 2018 , 121, 161102	7.4	64
256	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,	4.9	85
255	Antarctic surface reflectivity calculations and measurements from the ANITA-4 and HiCal-2 experiments. <i>Physical Review D</i> , 2018 , 98,	4.9	9
254	Constraints on the diffuse high-energy neutrino flux from the third flight of ANITA. <i>Physical Review D</i> , 2018 , 98,	4.9	42
253	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	2.4	5
252	All-sky Search for Time-integrated Neutrino Emission from Astrophysical Sources with 7 yr of IceCube Data. <i>Astrophysical Journal</i> , 2017 , 835, 151	4.7	139
251	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	1	6
250	Antarctic Surface Reflectivity Measurements from the ANITA-3 and HiCal-1 Experiments. <i>Journal of Astronomical Instrumentation</i> , 2017 , 06, 1740002	0.8	10
249	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	2.9	31
248	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	6.4	95
247	The IceCube realtime alert system. <i>Astroparticle Physics</i> , 2017 , 92, 30-41	2.4	76
246	Shape Analysis and Deployment of the ExaVolt Antenna. <i>Journal of Astronomical Instrumentation</i> , 2017 , 06, 1740004	0.8	0
245	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	6.4	9

244	Muon counting using silicon photomultipliers in the AMIGA detector of the Pierre Auger observatory. <i>Journal of Instrumentation</i> , 2017 , 12, P03002-P03002	1	12
243	Search for photons with energies above 1018eV using the hybrid detector of the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017 , 2017, 009-009	6.4	32
242	The IceCube Neutrino Observatory: instrumentation and online systems. <i>Journal of Instrumentation</i> , 2017 , 12, P03012-P03012	1	203
241	A Targeted Search for Point Sources of EeV Photons with the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , 2017 , 837, L25	7.9	10
240	Multi-messenger Observations of a Binary Neutron Star Merger. <i>Astrophysical Journal Letters</i> , 2017 , 848, L12	7.9	1935
239	Spectral calibration of the fluorescence telescopes of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2017 , 95, 44-56	2.4	4
238	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	16
237	Search for Astrophysical Sources of Neutrinos Using Cascade Events in IceCube. <i>Astrophysical Journal</i> , 2017 , 846, 136	4.7	14
236	Observation of a large-scale anisotropy in the arrival directions of cosmic rays above 8×10 eV. <i>Science</i> , 2017 , 357, 1266-1270	33.3	172
235	Search for sterile neutrino mixing using three years of IceCube DeepCore data. <i>Physical Review D</i> , 2017 , 95,	4.9	55
234	Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. <i>Physical Review D</i> , 2017 , 96,	4.9	32
233	Search for annihilating dark matter in the Sun with 3 years of IceCube data. <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	76
232	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,	4.9	53
231	Measurement of the energy spectrum with IceCube-79: IceCube Collaboration. <i>European Physical Journal C</i> , 2017 , 77, 692	4.2	17
230	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	7.9	104
229	Measurement of the multi-TeV neutrino interaction cross-section with IceCube using Earth absorption. <i>Nature</i> , 2017 , 551, 596-600	50.4	63
228	Constraints on Galactic Neutrino Emission with Seven Years of IceCube Data. <i>Astrophysical Journal</i> , 2017 , 849, 67	4.7	63
227	Extending the Search for Muon Neutrinos Coincident with Gamma-Ray Bursts in IceCube Data. <i>Astrophysical Journal</i> , 2017 , 843, 112	4.7	77

226	First search for dark matter annihilations in the Earth with the IceCube detector. <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	10
225	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	4.2	46
224	Multiwavelength follow-up of a rare IceCube neutrino multiplet. <i>Astronomy and Astrophysics</i> , 2017 , 607, A115	5.1	23
223	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	4.2	25
222	Search for astrophysical tau neutrinos in three years of IceCube data. <i>Physical Review D</i> , 2016 , 93,	4.9	34
221	Azimuthal asymmetry in the risetime of the surface detector signals of the Pierre Auger Observatory. <i>Physical Review D</i> , 2016 , 93,	4.9	12
220	Performance of two Askaryan Radio Array stations and first results in the search for ultrahigh energy neutrinos. <i>Physical Review D</i> , 2016 , 93,	4.9	64
219	Energy estimation of cosmic rays with the Engineering Radio Array of the Pierre Auger Observatory. <i>Physical Review D</i> , 2016 , 93,	4.9	62
218	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. <i>Physical Review D</i> , 2016 , 93,	4.9	80
217	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	7.4	65
216	Review of Particle Physics. <i>Chinese Physics C</i> , 2016 , 40, 100001	2.2	3442
215	Characteristics of Four Upward-Pointing Cosmic-Ray-like Events Observed with ANITA. <i>Physical Review Letters</i> , 2016 , 117, 071101	7.4	74
214	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	4.7	75
213	LOWERING ICECUBE'S ENERGY THRESHOLD FOR POINT SOURCE SEARCHES IN THE SOUTHERN SKY. <i>Astrophysical Journal Letters</i> , 2016 , 824, L28	7.9	27
212	Testing Hadronic Interactions at Ultrahigh Energies with Air Showers Measured by the Pierre Auger Observatory. <i>Physical Review Letters</i> , 2016 , 117, 192001	7.4	107
211	Nanosecond-level time synchronization of autonomous radio detector stations for extensive air showers. <i>Journal of Instrumentation</i> , 2016 , 11, P01018-P01018	1	15
210	Characterization of the atmospheric muon flux in IceCube. <i>Astroparticle Physics</i> , 2016 , 78, 1-27	2.4	40
209	Searches for relativistic magnetic monopoles in IceCube. <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	20

208	THE SEARCH FOR TRANSIENT ASTROPHYSICAL NEUTRINO EMISSION WITH ICECUBE-DEEPCORE. <i>Astrophysical Journal</i> , 2016 , 816, 75	4.7	4
207	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	6.4	21
206	Energy and flux measurements of ultra-high energy cosmic rays observed during the first ANITA flight. <i>Astroparticle Physics</i> , 2016 , 77, 32-43	2.4	47
205	Prototype muon detectors for the AMIGA component of the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2016 , 11, P02012-P02012	1	32
204	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	0.1	
203	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	6.4	46
202	Very high-energy gamma-ray follow-up program using neutrino triggers from IceCube. <i>Journal of Instrumentation</i> , 2016 , 11, P11009-P11009	1	15
201	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	4.7	249
200	SEARCH FOR SOURCES OF HIGH-ENERGY NEUTRONS WITH FOUR YEARS OF DATA FROM THE ICETOP DETECTOR. <i>Astrophysical Journal</i> , 2016 , 830, 129	4.7	5
199	Ultrahigh-energy neutrino follow-up of gravitational wave events GW150914 and GW151226 with the Pierre Auger Observatory. <i>Physical Review D</i> , 2016 , 94,	4.9	30
198	Constraints on Ultrahigh-Energy Cosmic-Ray Sources from a Search for Neutrinos above 10 ¹⁶ PeV with IceCube. <i>Physical Review Letters</i> , 2016 , 117, 241101	7.4	87
197	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	4.7	40
196	Neutrino oscillation studies with IceCube-DeepCore. <i>Nuclear Physics B</i> , 2016 , 908, 161-177	2.8	9
195	Evidence for a mixed mass composition at the "knee" in the cosmic-ray spectrum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 288-295	4.2	59
194	Search for ultrarelativistic magnetic monopoles with the Pierre Auger observatory. <i>Physical Review D</i> , 2016 , 94,	4.9	9
193	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	4.7	51
192	Searches for Sterile Neutrinos with the IceCube Detector. <i>Physical Review Letters</i> , 2016 , 117, 071801	7.4	122
191	Multipole analysis of IceCube data to search for dark matter accumulated in the Galactic halo. <i>European Physical Journal C</i> , 2015 , 75, 1	4.2	21

190	An interferometric analysis method for radio impulses from ultra-high energy particle showers. <i>Astroparticle Physics</i> , 2015 , 60, 72-85	2.4	18
189	Flavor Ratio of Astrophysical Neutrinos above 35 TeV in IceCube. <i>Physical Review Letters</i> , 2015 , 114, 1711-1712	4.0	130
188	First constraints on the ultra-high energy neutrino flux from a prototype station of the Askaryan Radio Array. <i>Astroparticle Physics</i> , 2015 , 70, 62-80	2.4	33
187	Atmospheric and astrophysical neutrinos above 1 TeV interacting in IceCube. <i>Physical Review D</i> , 2015 , 91,	4.9	179
186	SEARCHES FOR TIME-DEPENDENT NEUTRINO SOURCES WITH ICECUBE DATA FROM 2008 TO 2012. <i>Astrophysical Journal</i> , 2015 , 807, 46	4.7	47
185	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	4.2	9
184	A COMBINED MAXIMUM-LIKELIHOOD ANALYSIS OF THE HIGH-ENERGY ASTROPHYSICAL NEUTRINO FLUX MEASURED WITH ICECUBE. <i>Astrophysical Journal</i> , 2015 , 809, 98	4.7	280
183	LARGE SCALE DISTRIBUTION OF ULTRA HIGH ENERGY COSMIC RAYS DETECTED AT THE PIERRE AUGER OBSERVATORY WITH ZENITH ANGLES UP TO 80°. <i>Astrophysical Journal</i> , 2015 , 802, 111	4.7	43
182	The IceProd framework: Distributed data processing for the IceCube neutrino observatory. <i>Journal of Parallel and Distributed Computing</i> , 2015 , 75, 198-211	4.4	6
181	Determining neutrino oscillation parameters from atmospheric muon neutrino disappearance with three years of IceCube DeepCore data. <i>Physical Review D</i> , 2015 , 91,	4.9	63
180	Measurement of the Atmospheric $\bar{\nu}$ Spectrum with IceCube. <i>Physical Review D</i> , 2015 , 91,	4.9	39
179	Evidence for Astrophysical Muon Neutrinos from the Northern Sky with IceCube. <i>Physical Review Letters</i> , 2015 , 115, 081102	7.4	204
178	SEARCH FOR PROMPT NEUTRINO EMISSION FROM GAMMA-RAY BURSTS WITH ICECUBE. <i>Astrophysical Journal Letters</i> , 2015 , 805, L5	7.9	92
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16	Cosmic ray positrons at high energies: A new measurement. <i>Physical Review Letters</i> , 1995 , 75, 390-393	7.4	60
15	Flight performance of EXAM-1 balloon-borne detector to search for extragalactic antimatter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1994 , 345, 156-178	1.2	1
14	Balloon observations of galactic cosmic ray helium before and during a Forbush decrease. <i>Geophysical Research Letters</i> , 1993 , 20, 1743-1746	4.9	1
13	The cosmic-ray He-3/He-4 ratio from 100 to 1600 MeV/amu. <i>Astrophysical Journal</i> , 1993 , 413, 268	4.7	42
12	Measurements at 0 degrees of negatively charged particles and antinuclei produced in collisions of 14.6A GeV/c Si on Al, Cu, and Au targets. <i>Physical Review Letters</i> , 1992 , 69, 2345-2348	7.4	76
11	. <i>IEEE Transactions on Nuclear Science</i> , 1990 , 37, 1564-1570	1.7	3

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8	Using dimethylether as a drift gas in a high precision drift tube detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1990 , 287, 439-446	1.2	6
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6	Low energy antiprotons in the cosmic rays: A new upper limit. <i>Hyperfine Interactions</i> , 1989 , 44, 97-103	0.8	
5	The performance of photomultipliers exposed to helium. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1988 , 269, 237-245	1.2	9
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