Christopher Hv Wiebusch

List of Publications by Year
in descending order

263	24,110	10389 72	7518 151
papers	citations	h-index	g-index

271	271	271	13604
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An efficient melting probe for glacial research. Annals of Glaciology, 2021, 62, 171-174.	1.4	7
2	The Autonomous Pinger Unit of the Acoustic Navigation Network in EnEx-RANGE: an autonomous in-ice melting probe with acoustic instrumentation. Annals of Glaciology, 2021, 62, 89-98.	1.4	5
3	Calibration strategy of the JUNO experiment. Journal of High Energy Physics, 2021, 2021, 1.	4.7	39
4	JUNO sensitivity to low energy atmospheric neutrino spectra. European Physical Journal C, 2021, 81, 1.	3.9	11
5	The design and sensitivity of JUNOâ€™s scintillator radiopurity pre-detector OSIRIS. European Physical Journal C, 2021, 81, 1.	3.9	15
6	Radioactivity control strategy for the JUNO detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	13
7	The TRIPLE Melting Probe - an Electro-Thermal Drill with a Forefield Reconnaissance System to Access Subglacial Lakes and Oceans. , 2021, , .		4
8	Efficient propagation of systematic uncertainties from calibration to analysis with the SnowStorm method in IceCube. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 048-048.	5.4	14
9	Search for a correlation between the UHECRs measured by the Pierre Auger Observatory and the Telescope Array and the neutrino candidate events from IceCube and ANTARES. EPJ Web of Conferences, 2019, 210, 03003.	0.3	3
10	Attenuation of sound in glacier ice from 2 to 35â€‰kHz. Cryosphere, 2019, 13, 1381-1394.	3.9	6
11	Seasonal Variation of Atmospheric Neutrinos in IceCube. , 2019, , .		4
12	An Acoustic Calibration System for the IceCube Upgrade. , 2019, , .		0
13	Measurement of Atmospheric Neutrino Oscillations at 6â€“56ÂGeV with IceCube DeepCore. Physical Review Letters, 2018, 120, 071801.	7.8	88
14	Search for nonstandard neutrino interactions with IceCube DeepCore. Physical Review D, 2018, 97, .	4.7	23
15	Astrophysical neutrinos and cosmic rays observed by IceCube. Advances in Space Research, 2018, 62, 2902-2930.	2.6	20
16	A compact and light-weight refractive telescope for the observation of extensive air showers. Journal of Instrumentation, 2018, 13, P07024-P07024.	1.2	2
17	Search for neutrinos from decaying dark matter with IceCube. European Physical Journal C, 2018, 78, 831.	3.9	62
18	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

#	Article	IF	Citations
19	Novel event classification based on spectral analysis of scintillation waveforms in Double Chooz. Journal of Instrumentation, 2018, 13, P01031-P01031.	1.2	4
20	Muon reconstruction with a geometrical model in JUNO. Journal of Instrumentation, 2018, 13, T03003-T03003.	1.2	6
21	Neutrino interferometry for high-precision tests of Lorentz symmetry with IceCube. Nature Physics, 2018, 14, 961-966.	16.7	66
22	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. Science, 2018, 361, .	12.6	654
23	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
24	A Search for Neutrino Emission from Fast Radio Bursts with Six Years of IceCube Data. Astrophysical Journal, 2018, 857, 117.	4.5	22
25	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
26	THE CONTRIBUTION OF FERMI-2LAC BLAZARS TO DIFFUSE TEVâ€“PEV NEUTRINO FLUX. Astrophysical Journal, 2017, 835, 45.	4.5	186
27	Cosmic-muon characterization and annual modulation measurement with Double Chooz detectors. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 017-017.	5.4	14
28	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
29	The IceCube realtime alert system. Astroparticle Physics, 2017, 92, 30-41.	4.3	116
30	The IceCube Neutrino Observatory: instrumentation and online systems. Journal of Instrumentation, 2017, 12, P03012-P03012.	1.2	390
31	Multi-messenger Observations of a Binary Neutron Star Merger[*]. Astrophysical Journal Letters, 2017, 848, L12.	8.3	2,805
32	Search for Astrophysical Sources of Neutrinos Using Cascade Events in IceCube. Astrophysical Journal, 2017, 846, 136.	4.5	21
33	Search for sterile neutrino mixing using three years of IceCube DeepCore data. Physical Review D, 2017, 95, .	4.7	75
34	Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. Physical Review D, 2017, 96, .	4.7	40
35	Search for annihilating dark matter in the Sun with 3Âyears of IceCube data. European Physical Journal C, 2017, 77, 1.	3.9	111
36	Measurement of the $$u _{mu }$$ Î½ Î¼ energy spectrum with IceCube-79. European Physical Journal C, 2017, 77, 692.	3.9	24

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37	Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. Astrophysical Journal Letters, 2017, 850, L35.	8.3	135
38	Measurement of the multi-TeV neutrino interaction cross-section with IceCube using Earth absorption. Nature, 2017, 551, 596-600.	27.8	113
39	Constraints on Galactic Neutrino Emission with Seven Years of IceCube Data. Astrophysical Journal, 2017, 849, 67.	4.5	95
40	Extending the Search for Muon Neutrinos Coincident with Gamma-Ray Bursts in IceCube Data. Astrophysical Journal, 2017, 843, 112.	4.5	116
41	First search for dark matter annihilations in the Earth with the IceCube detector. European Physical Journal C, 2017, 77, 1.	3.9	20
42	Search for neutrinos from dark matter self-annihilations in the center of the Milky Way with 3 years of IceCube/DeepCore. European Physical Journal C, 2017, 77, 1.	3.9	62
43	Development of an acoustic sensor for the future IceCube-Gen2 detector for neutrino detection and position calibration. EPJ Web of Conferences, 2017, 135, 06003.	0.3	0
44	EnEx-RANGE - Robust autonomous Acoustic Navigation in Glacial icE. EPJ Web of Conferences, 2017, 135, 06007.	0.3	6
45	Multiwavelength follow-up of a rare IceCube neutrino multiplet. Astronomy and Astrophysics, 2017, 607, A115.	5.1	33
46	Combined Analysis of Cosmic-Ray Anisotropy with IceCube and HAWC. , 2017, , .		1
47	A measurement of the diffuse astrophysical muon neutrino flux using eight years of IceCube data.. , 2017, , .		26
48	Observations of Diffuse Fluxes of Cosmic Neutrinos. , 2017, , 67-83.		0
49	On improving composition measurements by combining compact Cherenkov telescopes with ground based detectors. , 2017, , .		0
50	Improved limits on dark matter annihilation in the Sun with the 79-string IceCube detector and implications for supersymmetry. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 022-022.	5.4	56
51	Neutrino physics with JUNO. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 030401.	3.6	750
52	Very high-energy gamma-ray follow-up program using neutrino triggers from IceCube. Journal of Instrumentation, 2016, 11, P11009-P11009.	1.2	24
53	Characterization of the spontaneous light emission of the PMTs used in the Double Chooz experiment. Journal of Instrumentation, 2016, 11, P08001-P08001.	1.2	6
54	OBSERVATION AND CHARACTERIZATION OF A COSMIC MUON NEUTRINO FLUX FROM THE NORTHERN HEMISPHERE USING SIX YEARS OF ICECUBE DATA. Astrophysical Journal, 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. Astrophysical Journal, 2016, 830, 129.	4.5	7
56	Constraints on Ultrahigh-Energy Cosmic-Ray Sources from a Search for Neutrinos above 10ÂPeV with IceCube. Physical Review Letters, 2016, 117, 241101.	7.8	111
57	THE FIRST COMBINED SEARCH FOR NEUTRINO POINT-SOURCES IN THE SOUTHERN HEMISPHERE WITH THE ANTARES AND ICECUBE NEUTRINO TELESCOPES. Astrophysical Journal, 2016, 823, 65.	4.5	49
58	Neutrino oscillation studies with IceCube-DeepCore. Nuclear Physics B, 2016, 908, 161-177.	2.5	11
59	ANISOTROPY IN COSMIC-RAY ARRIVAL DIRECTIONS IN THE SOUTHERN HEMISPHERE BASED ON SIX YEARS OF DATA FROM THE ICECUBE DETECTOR. Astrophysical Journal, 2016, 826, 220.	4.5	72
60	All-flavour search for neutrinos from dark matter annihilations in the Milky Way with IceCube/DeepCore. European Physical Journal C, 2016, 76, 1.	3.9	37
61	Astrophysical interpretation of small-scale neutrino angular correlation searches with IceCube. Astroparticle Physics, 2016, 83, 21-29.	4.3	2
62	Muon capture on light isotopes measured with the Double Chooz detector. Physical Review C, 2016, 93, .	2.9	8
63	Search for astrophysical tau neutrinos in three years of IceCube data. Physical Review D, 2016, 93, .	4.7	44
64	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. Physical Review D, 2016, 93, .	4.7	92
65	Constraints on Majorana dark matter from the LHC and IceCube. Physical Review D, 2016, 93, .	4.7	10
66	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
67	LOWERING ICECUBE'S ENERGY THRESHOLD FOR POINT SOURCE SEARCHES IN THE SOUTHERN SKY. Astrophysical Journal Letters, 2016, 824, L28.	8.3	27
68	Measurement of Î¸13 in Double Chooz using neutron captures on hydrogen with novel background rejection techniques. Journal of High Energy Physics, 2016, 2016, 1.	4.7	46
69	Characterization of the atmospheric muon flux in IceCube. Astroparticle Physics, 2016, 78, 1-27.	4.3	51
70	Searches for relativistic magnetic monopoles in IceCube. European Physical Journal C, 2016, 76, 1.	3.9	29
71	THE SEARCH FOR TRANSIENT ASTROPHYSICAL NEUTRINO EMISSION WITH ICECUBE-DEEPCORE. Astrophysical Journal, 2016, 816, 75.	4.5	5
72	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

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73	Navigation technology for exploration of glacier ice with maneuverable melting probes. Cold Regions Science and Technology, 2016, 123, 53-70.	3.5	46
74	Search for sterile neutrinos with the IceCube Neutrino Observatory. , 2016, , .		2
75	Acoustic properties of glacial ice for neutrino detection and the Enceladus Explorer. , 2016, , .		1
76	Design Study of an Air Cherenkov Telescope for Efficient Air-Shower Detection at 100 TeV at the South Pole on Top of IceCube. , 2016, , .		0
77	Astrophysical interpretation of small-scale neutrino angular correlation searches with IceCube. , 2016, , .		0
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<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Î½</mml:mi><mml:mi>e</mml:mi></mml:msub></mml:math>Spectrum with IceCube. Physical Review D, 2015, 91, .	4.7	48
80	Evidence for Astrophysical Muon Neutrinos from the Northern Sky with IceCube. Physical Review Letters, 2015, 115, 081102.	7.8	247
81	SEARCH FOR PROMPT NEUTRINO EMISSION FROM GAMMA-RAY BURSTS WITH ICECUBE. Astrophysical Journal Letters, 2015, 805, L5.	8.3	124
82	THE DETECTION OF A SN IIn IN OPTICAL FOLLOW-UP OBSERVATIONS OF ICECUBE NEUTRINO EVENTS. Astrophysical Journal, 2015, 811, 52.	4.5	39
83	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
84	Search for dark matter annihilation in the Galactic Center with IceCube-79. European Physical Journal C, 2015, 75, 1.	3.9	52
85	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
86	Calculation of oscillation probabilities of atmospheric neutrinos using nuCraft. Computer Physics Communications, 2015, 197, 185-189.	7.5	21
87	Searches for small-scale anisotropies from neutrino point sources with three years of IceCube data. Astroparticle Physics, 2015, 66, 39-52.	4.3	34
88	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
89	Flavor Ratio of Astrophysical Neutrinos above 35ÂTeV in IceCube. Physical Review Letters, 2015, 114, 171102.	7.8	156
90	Effective field theory interpretation of searches for dark matter annihilation in the Sun with the IceCube Neutrino Observatory. Physical Review D, 2015, 91, .	4.7	21

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91	Atmospheric and astrophysical neutrinos above 1ÂTeV interacting in IceCube. Physical Review D, 2015, 91, .	4.7	209
92	SEARCHES FOR TIME-DEPENDENT NEUTRINO SOURCES WITH ICECUBE DATA FROM 2008 TO 2012. Astrophysical Journal, 2015, 807, 46.	4.5	56
93	A COMBINED MAXIMUM-LIKELIHOOD ANALYSIS OF THE HIGH-ENERGY ASTROPHYSICAL NEUTRINO FLUX MEASURED WITH ICECUBE. Astrophysical Journal, 2015, 809, 98.	4.5	337
94	The IceProd framework: Distributed data processing for the IceCube neutrino observatory. Journal of Parallel and Distributed Computing, 2015, 75, 198-211.	4.1	9
95	Observation of the cosmic-ray shadow of the Moon with IceCube. Physical Review D, 2014, 89, .	4.7	34
96	Search for a diffuse flux of astrophysical muon neutrinos with the IceCube 59-string configuration. Physical Review D, 2014, 89, .	4.7	74
97	Search for neutrino-induced particle showers with IceCube-40. Physical Review D, 2014, 89, .	4.7	23
98	Energy reconstruction methods in the IceCube neutrino telescope. Journal of Instrumentation, 2014, 9, P03009-P03009.	1.2	171
99	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
100	Ortho-positronium observation in the Double Chooz experiment. Journal of High Energy Physics, 2014, 2014, 1.	4.7	8
101	Improved measurements of the neutrino mixing angle Î¸13 with the Double Chooz detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	181
102	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
103	SEARCHES FOR EXTENDED AND POINT-LIKE NEUTRINO SOURCES WITH FOUR YEARS OF ICECUBE DATA. Astrophysical Journal, 2014, 796, 109.	4.5	149
104	Observation of High-Energy Astrophysical Neutrinos in Three Years of IceCube Data. Physical Review Letters, 2014, 113, 101101.	7.8	873
105	Precision muon reconstruction in Double Chooz. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 764, 330-339.	1.6	9
106	Search for non-relativistic magnetic monopoles with IceCube. European Physical Journal C, 2014, 74, 1.	3.9	39
107	The mass-hierarchy and CP-violation discovery reach of the LBNO long-baseline neutrino experiment. Journal of High Energy Physics, 2014, 2014, 1.	4.7	41
108	Background-independent measurement of <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevie. Physics	4.1	34

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109	Acoustic in-ice positioning in the Enceladus Explorer project. Annals of Glaciology, 2014, 55, 253-259.	1.4	7
110	First Observation of PeV-Energy Neutrinos with IceCube. Physical Review Letters, 2013, 111, 021103.	7.8	578
111	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
112	Measurement of Atmospheric Neutrino Oscillations with IceCube. Physical Review Letters, 2013, 111, 081801.	7.8	49
113	Evidence for High-Energy Extraterrestrial Neutrinos at the IceCube Detector. Science, 2013, 342, 1242856.	12.6	1,048
114	First measurement of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Î¸</mml:mi></mml:mrow><mml:mrow><mml:mn>13</mml:mn></mml:mrow></m from delayed neutron capture on hydrogen in the Double Chooz experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 66-70.	4.1	84
115	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
116	Search for Dark Matter Annihilations in the Sun with the 79-String IceCube Detector. Physical Review Letters, 2013, 110, 131302.	7.8	235
117	Cosmic ray composition and energy spectrum from 1â€“30 PeV using the 40-string configuration of IceTop and IceCube. Astroparticle Physics, 2013, 42, 15-32.	4.3	34
118	Calculation of the Cherenkov light yield from electromagnetic cascades in ice with Geant4. Astroparticle Physics, 2013, 44, 102-113.	4.3	15
119	All-particle cosmic ray energy spectrum measured with 26 IceTop stations. Astroparticle Physics, 2013, 44, 40-58.	4.3	15
120	Search for Galactic PeV gamma rays with the IceCube Neutrino Observatory. Physical Review D, 2013, 87, .	4.7	29
121	Measurement of the Atmospheric<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Î½</mml:mi><mml:mi>e</mml:mi></mml:msub></mml:math>Flux in IceCube. Physical Review Letters, 2013, 110, 151105.	7.8	64
122	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
123	The trigger and timing system of the Double Chooz experiment. Journal of Instrumentation, 2013, 8, T01003-T01003.	1.2	7
124	Performance of the Aachen Acoustic Laboratory and results from comparative studies in water and ice. , 2013, , .		0
125	Lateral distribution of muons in IceCube cosmic ray events. Physical Review D, 2013, 87, .	4.7	25
126	Measurement of the cosmic ray energy spectrum with IceTop-73. Physical Review D, 2013, 88, .	4.7	114

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127	Direct measurement of backgrounds using reactor-off data in Double Chooz. Physical Review D, 2013, 87, .	4.7	21
128	IceCube search for dark matter annihilation in nearby galaxies and galaxy clusters. Physical Review D, 2013, 88, .	4.7	53
129	Probing the origin of cosmic rays with extremely high energy neutrinos using the IceCube Observatory. Physical Review D, 2013, 88, .	4.7	47
130	Search for relativistic magnetic monopoles with IceCube. Physical Review D, 2013, 87, .	4.7	20
131	SEARCH FOR TIME-INDEPENDENT NEUTRINO EMISSION FROM ASTROPHYSICAL SOURCES WITH 3 yr OF IceCube DATA. Astrophysical Journal, 2013, 779, 132.	4.5	81
132	OBSERVATION OF COSMIC-RAY ANISOTROPY WITH THE ICETOP AIR SHOWER ARRAY. Astrophysical Journal, 2013, 765, 55.	4.5	85
133	South Pole glacial climate reconstruction from multi-borehole laser particulate stratigraphy. Journal of Glaciology, 2013, 59, 1117-1128.	2.2	20
134	SEARCHES FOR HIGH-ENERGY NEUTRINO EMISSION IN THE GALAXY WITH THE COMBINED ICECUBE-AMANDA DETECTOR. Astrophysical Journal, 2013, 763, 33.	4.5	10
135	Afterpulse measurements of R7081 photomultipliers for the Double Chooz experiment. Journal of Instrumentation, 2013, 8, P04029-P04029.	1.2	13
136	Search for ultrahigh-energy tau neutrinos with IceCube. Physical Review D, 2012, 86, .	4.7	19
137	Indication of Reactor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mi>e</mml:mi></mml:msub></mml:math>Disappe in the Double Chooz Experiment. Physical Review Letters, 2012, 108, 131801.	7.8	979
138	A unified supernova catalogue. Astronomy and Astrophysics, 2012, 538, A120.	5.1	33
139	Use of event-level neutrino telescope data in global fits for theories of new physics. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 057-057.	5.4	15
140	Searching for soft relativistic jets in core-collapse supernovae with the IceCube optical follow-up program. Astronomy and Astrophysics, 2012, 539, A60.	5.1	40
141	NEUTRINO ANALYSIS OF THE 2010 SEPTEMBER CRAB NEBULA FLARE AND TIME-INTEGRATED CONSTRAINTS ON NEUTRINO EMISSION FROM THE CRAB USING ICECUBE. Astrophysical Journal, 2012, 745, 45.	4.5	13
142	SEARCHES FOR PERIODIC NEUTRINO EMISSION FROM BINARY SYSTEMS WITH 22 AND 40 STRINGS OF ICECUBE. Astrophysical Journal, 2012, 748, 118.	4.5	11
143	Calculation of the Cherenkov light yield from low energetic secondary particles accompanying high-energy muons in ice and water with Geant4 simulations. Astroparticle Physics, 2012, 38, 53-67.	4.3	18
144	TIME-DEPENDENT SEARCHES FOR POINT SOURCES OF NEUTRINOS WITH THE 40-STRING AND 22-STRING CONFIGURATIONS OF ICECUBE. Astrophysical Journal, 2012, 744, 1.	4.5	37

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145	First test of Lorentz violation with a reactor-based antineutrino experiment. Physical Review D, 2012, 86, .	4.7	41
146	Reactor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mi>e</mml:mi></mml:msub></mml:math>disappea in the Double Chooz experiment. Physical Review D, 2012, 86, .	4.7	275
147	Design and performance of the South Pole Acoustic Test Setup. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 683, 78-90.	1.6	9
148	An absence of neutrinos associated with cosmic-ray acceleration in Î³-ray bursts. Nature, 2012, 484, 351-354.	27.8	272
149	Multiyear search for dark matter annihilations in the Sun with the AMANDA-II and IceCube detectors. Physical Review D, 2012, 85, .	4.7	66
150	OBSERVATION OF ANISOTROPY IN THE GALACTIC COSMIC-RAY ARRIVAL DIRECTIONS AT 400 TeV WITH ICECUBE. Astrophysical Journal, 2012, 746, 33.	4.5	115
151	Background studies for acoustic neutrino detection at the South Pole. Astroparticle Physics, 2012, 35, 312-324.	4.3	12
152	The design and performance of IceCube DeepCore. Astroparticle Physics, 2012, 35, 615-624.	4.3	222
153	The next-generation liquid-scintillator neutrino observatory LENA. Astroparticle Physics, 2012, 35, 685-732.	4.3	181
154	Constraints on the extremely-high energy cosmic neutrino flux with the IceCube 2008-2009 data. Physical Review D, 2011, 83, .	4.7	68
155	Search for dark matter from the Galactic halo with the IceCube Neutrino Telescope. Physical Review D, 2011, 84, .	4.7	79
156	Measurement of the atmospheric neutrino energy spectrum from 100ÂGeV to 400ÂTeV with IceCube. Physical Review D, 2011, 83, .	4.7	156
157	Search for a diffuse flux of astrophysical muon neutrinos with the IceCube 40-string detector. Physical Review D, 2011, 84, .	4.7	87
158	OBSERVATION OF ANISOTROPY IN THE ARRIVAL DIRECTIONS OF GALACTIC COSMIC RAYS AT MULTIPLE ANGULAR SCALES WITH IceCube. Astrophysical Journal, 2011, 740, 16.	4.5	103
159	Qualification tests of 474 photomultiplier tubes for the inner detector of the Double Chooz experiment. Journal of Instrumentation, 2011, 6, P06008-P06008.	1.2	35
160	TIME-INTEGRATED SEARCHES FOR POINT-LIKE SOURCES OF NEUTRINOS WITH THE 40-STRING IceCube DETECTOR. Astrophysical Journal, 2011, 732, 18.	4.5	126
161	Constraints on high-energy neutrino emission from SN 2008D. Astronomy and Astrophysics, 2011, 527, A28.	5.1	8
162	Measurement of acoustic attenuation in South Pole ice. Astroparticle Physics, 2011, 34, 382-393.	4.3	33

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163	Search for neutrino-induced cascades with five years of AMANDA data. Astroparticle Physics, 2011, 34, 420-430.	4.3	22
164	First search for atmospheric and extraterrestrial neutrino-induced cascades with the IceCube detector. Physical Review D, 2011, 84, .	4.7	34
165	Limits on Neutrino Emission from Gamma-Ray Bursts with the 40 String IceCube Detector. Physical Review Letters, 2011, 106, 141101.	7.8	85
166	SEARCH FOR MUON NEUTRINOS FROM GAMMA-RAY BURSTS WITH THE IceCube NEUTRINO TELESCOPE. Astrophysical Journal, 2010, 710, 346-359.	4.5	81
167	MEASUREMENT OF THE ANISOTROPY OF COSMIC-RAY ARRIVAL DIRECTIONS WITH ICECUBE. Astrophysical Journal Letters, 2010, 718, L194-L198.	8.3	119
168	Search for relativistic magnetic monopoles withÂtheÂAMANDA-IIÂneutrino telescope. European Physical Journal C, 2010, 69, 361-378.	3.9	26
169	Calibration and characterization of the IceCube photomultiplier tube. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 618, 139-152.	1.6	211
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