

Elisa Bernardini

List of Publications by Year in descending order

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414
papers

29,594
citations

4960

84
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6653

156
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423
all docs

423
docs citations

423
times ranked

14364
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-messenger Observations of a Binary Neutron Star Merger [*] . Astrophysical Journal Letters, 2017, 848, L12.	8.3	2,805
2	Evidence for High-Energy Extraterrestrial Neutrinos at the IceCube Detector. Science, 2013, 342, 1242856.	12.6	1,048
3	Observation of High-Energy Astrophysical Neutrinos in Three Years of IceCube Data. Physical Review Letters, 2014, 113, 101101.	7.8	873
4	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. Science, 2018, 361, .	12.6	654
5	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
6	First Observation of PeV-Energy Neutrinos with IceCube. Physical Review Letters, 2013, 111, 021103.	7.8	578
7	The IceCube Neutrino Observatory: instrumentation and online systems. Journal of Instrumentation, 2017, 12, P03012-P03012.	1.2	390
8	First year performance of the IceCube neutrino telescope. Astroparticle Physics, 2006, 26, 155-173.	4.3	379
9	Design, construction and tests of the ICARUS T600 detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 527, 329-410.	1.6	362
10	Very-High-Energy Gamma Rays from a Distant Quasar: How Transparent Is the Universe?. Science, 2008, 320, 1752-1754.	12.6	355
11	Sensitivity of the IceCube detector to astrophysical sources of high energy muon neutrinos. Astroparticle Physics, 2004, 20, 507-532.	4.3	341
12	A COMBINED MAXIMUM-LIKELIHOOD ANALYSIS OF THE HIGH-ENERGY ASTROPHYSICAL NEUTRINO FLUX MEASURED WITH ICECUBE. Astrophysical Journal, 2015, 809, 98.	4.5	337
13	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
14	The IceCube data acquisition system: Signal capture, digitization, and timestamping. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 601, 294-316.	1.6	312
15	The major upgrade of the MAGIC telescopes, Part II: A performance study using observations of the Crab Nebula. Astroparticle Physics, 2016, 72, 76-94.	4.3	305
16	MAGIC DISCOVERY OF VERY HIGH ENERGY EMISSION FROM THE FSRQ PKS 1222+21. Astrophysical Journal Letters, 2011, 730, L8.	8.3	277
17	An absence of neutrinos associated with cosmic-ray acceleration in $\hat{1}^3$ -ray bursts. Nature, 2012, 484, 351-354.	27.8	272
18	<i>FERMI</i>LARGE AREA TELESCOPE OBSERVATIONS OF MARKARIAN 421: THE MISSING PIECE OF ITS SPECTRAL ENERGY DISTRIBUTION. Astrophysical Journal, 2011, 736, 131.	4.5	261

#	ARTICLE	IF	CITATIONS
19	Evidence for Astrophysical Muon Neutrinos from the Northern Sky with IceCube. <i>Physical Review Letters</i> , 2015, 115, 081102.	7.8	247
20	Search for Dark Matter Annihilations in the Sun with the 79-String IceCube Detector. <i>Physical Review Letters</i> , 2013, 110, 131302.	7.8	235
21	The design and performance of IceCube DeepCore. <i>Astroparticle Physics</i> , 2012, 35, 615-624.	4.3	222
22	Time-Integrated Neutrino Source Searches with 10 Years of IceCube Data. <i>Physical Review Letters</i> , 2020, 124, 051103.	7.8	221
23	Limits to dark matter annihilation cross-section from a combined analysis of MAGIC and Fermi-LAT observations of dwarf satellite galaxies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 039-039.	5.4	216
24	Calibration and characterization of the IceCube photomultiplier tube. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 618, 139-152.	1.6	211
25	Atmospheric and astrophysical neutrinos above 1 TeV interacting in IceCube. <i>Physical Review D</i> , 2015, 91, .	4.7	209
26	Teraelectronvolt emission from the $\hat{\nu}^3$ -ray burst GRB 190114C. <i>Nature</i> , 2019, 575, 455-458.	27.8	208
27	IceCube-Gen2: the window to the extreme Universe. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2021, 48, 060501.	3.6	204
28	All-sky Search for Time-integrated Neutrino Emission from Astrophysical Sources with 7 yr of IceCube Data. <i>Astrophysical Journal</i> , 2017, 835, 151.	4.5	198
29	THE CONTRIBUTION OF FERMI-2LAC BLAZARS TO DIFFUSE TEV-PEV NEUTRINO FLUX. <i>Astrophysical Journal</i> , 2017, 835, 45.	4.5	186
30	INSIGHTS INTO THE HIGH-ENERGY $\hat{\nu}^3$ -RAY EMISSION OF MARKARIAN 501 FROM EXTENSIVE MULTIFREQUENCY OBSERVATIONS IN THE FERMI-ERA. <i>Astrophysical Journal</i> , 2011, 727, 129.	4.5	185
31	Performance of the MAGIC stereo system obtained with Crab Nebula data. <i>Astroparticle Physics</i> , 2012, 35, 435-448.	4.3	183
32	Science with e-ASTROGAM. <i>Journal of High Energy Astrophysics</i> , 2018, 19, 1-106.	6.7	177
33	Radio Imaging of the Very-High-Energy $\hat{\nu}^3$ -Ray Emission Region in the Central Engine of a Radio Galaxy. <i>Science</i> , 2009, 325, 444-448.	12.6	175
34	Observation of Pulsed $\hat{\nu}^3$ -Rays Above 25 GeV from the Crab Pulsar with MAGIC. <i>Science</i> , 2008, 322, 1221-1224.	12.6	173
35	Muon track reconstruction and data selection techniques in AMANDA. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 524, 169-194.	1.6	171
36	Energy reconstruction methods in the IceCube neutrino telescope. <i>Journal of Instrumentation</i> , 2014, 9, P03009-P03009.	1.2	171

#	ARTICLE	IF	CITATIONS
37	Probing quantum gravity using photons from a flare of the active galactic nucleus Markarian 501 observed by the MAGIC telescope. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 668, 253-257.	4.1	168
38	The e-ASTROGAM mission. <i>Experimental Astronomy</i> , 2017, 44, 25-82.	3.7	167
39	IceTop: The surface component of IceCube. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 700, 188-220.	1.6	166
40	Measurement of the atmospheric neutrino energy spectrum from 100 GeV to 400 TeV with IceCube. <i>Physical Review D</i> , 2011, 83, .	4.7	156
41	Flavor Ratio of Astrophysical Neutrinos above 35 TeV in IceCube. <i>Physical Review Letters</i> , 2015, 114, 171102.	7.8	156
42	The major upgrade of the MAGIC telescopes, Part I: The hardware improvements and the commissioning of the system. <i>Astroparticle Physics</i> , 2016, 72, 61-75.	4.3	150
43	Optical properties of deep glacial ice at the South Pole. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	149
44	SEARCHES FOR EXTENDED AND POINT-LIKE NEUTRINO SOURCES WITH FOUR YEARS OF ICECUBE DATA. <i>Astrophysical Journal</i> , 2014, 796, 109.	4.5	149
45	Observation of inverse Compton emission from a long $\hat{\nu}^3$ -ray burst. <i>Nature</i> , 2019, 575, 459-463.	27.8	146
46	THE 2010 VERY HIGH ENERGY $\hat{\nu}^3$ -RAY FLARE AND 10 YEARS OF MULTI-WAVELENGTH OBSERVATIONS OF M 87. <i>Astrophysical Journal</i> , 2012, 746, 151.	4.5	145
47	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
48	The Blazar TXS 0506+056 Associated with a High-energy Neutrino: Insights into Extragalactic Jets and Cosmic-Ray Acceleration. <i>Astrophysical Journal Letters</i> , 2018, 863, L10.	8.3	141
49	Searches for Sterile Neutrinos with the IceCube Detector. <i>Physical Review Letters</i> , 2016, 117, 071801.	7.8	140
50	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
51	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
52	Limits on a Muon Flux from Neutralino Annihilations in the Sun with the IceCube 22-String Detector. <i>Physical Review Letters</i> , 2009, 102, 201302.	7.8	132
53	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, .	4.7	131
54	Black hole lightning due to particle acceleration at subhorizon scales. <i>Science</i> , 2014, 346, 1080-1084.	12.6	128

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55	TIME-INTEGRATED SEARCHES FOR POINT-LIKE SOURCES OF NEUTRINOS WITH THE 40-STRING IceCube DETECTOR. <i>Astrophysical Journal</i> , 2011, 732, 18.	4.5	126
56	SEARCH FOR PROMPT NEUTRINO EMISSION FROM GAMMA-RAY BURSTS WITH ICECUBE. <i>Astrophysical Journal Letters</i> , 2015, 805, L5.	8.3	124
57	Measurement of South Pole ice transparency with the IceCube LED calibration system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 711, 73-89.	1.6	122
58	IceCube sensitivity for low-energy neutrinos from nearby supernovae. <i>Astronomy and Astrophysics</i> , 2011, 535, A109.	5.1	121
59	MEASUREMENT OF THE ANISOTROPY OF COSMIC-RAY ARRIVAL DIRECTIONS WITH ICECUBE. <i>Astrophysical Journal Letters</i> , 2010, 718, L194-L198.	8.3	119
60	The IceCube realtime alert system. <i>Astroparticle Physics</i> , 2017, 92, 30-41.	4.3	116
61	Extending the Search for Muon Neutrinos Coincident with Gamma-Ray Bursts in IceCube Data. <i>Astrophysical Journal</i> , 2017, 843, 112.	4.5	116
62	OBSERVATION OF ANISOTROPY IN THE GALACTIC COSMIC-RAY ARRIVAL DIRECTIONS AT 400 TeV WITH ICECUBE. <i>Astrophysical Journal</i> , 2012, 746, 33.	4.5	115
63	Measurement of the cosmic ray energy spectrum with IceTop-73. <i>Physical Review D</i> , 2013, 88, .	4.7	114
64	Measurement of the multi-TeV neutrino interaction cross-section with IceCube using Earth absorption. <i>Nature</i> , 2017, 551, 596-600.	27.8	113
65	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
66	Search for annihilating dark matter in the Sun with 3 ^{1/2} years of IceCube data. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	111
67	MAGIC GAMMA-RAY TELESCOPE OBSERVATION OF THE PERSEUS CLUSTER OF GALAXIES: IMPLICATIONS FOR COSMIC RAYS, DARK MATTER, AND NGC 1275. <i>Astrophysical Journal</i> , 2010, 710, 634-647.	4.5	110
68	AN ALL-SKY SEARCH FOR THREE FLAVORS OF NEUTRINOS FROM GAMMA-RAY BURSTS WITH THE ICECUBE NEUTRINO OBSERVATORY. <i>Astrophysical Journal</i> , 2016, 824, 115.	4.5	109
69	Optimized dark matter searches in deep observations of Segue 1 with MAGIC. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 008-008.	5.4	105
70	OBSERVATION OF ANISOTROPY IN THE ARRIVAL DIRECTIONS OF GALACTIC COSMIC RAYS AT MULTIPLE ANGULAR SCALES WITH IceCube. <i>Astrophysical Journal</i> , 2011, 740, 16.	4.5	103
71	Improving the performance of the single-dish Cherenkov telescope MAGIC through the use of signal timing. <i>Astroparticle Physics</i> , 2009, 30, 293-305.	4.3	98
72	Constraints on Galactic Neutrino Emission with Seven Years of IceCube Data. <i>Astrophysical Journal</i> , 2017, 849, 67.	4.5	95

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73	IceCube sensitivity for low-energy neutrinos from nearby supernovae (<i>Corrigendum</i>). <i>Astronomy and Astrophysics</i> , 2014, 563, C1.	5.1	94
74	Multiyear search for a diffuse flux of muon neutrinos with AMANDA-II. <i>Physical Review D</i> , 2007, 76, .	4.7	92
75	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. <i>Physical Review D</i> , 2016, 93, .	4.7	92
76	Unprecedented study of the broadband emission of Mrk 421 during flaring activity in March 2010. <i>Astronomy and Astrophysics</i> , 2015, 578, A22.	5.1	92
77	MULTIWAVELENGTH STUDY OF QUIESCENT STATES OF Mrk 421 WITH UNPRECEDENTED HARD X-RAY COVERAGE PROVIDED BY NuSTAR IN 2013. <i>Astrophysical Journal</i> , 2016, 819, 156.	4.5	90
78	Measurement of Atmospheric Neutrino Oscillations at 6×10^{10} GeV with IceCube DeepCore. <i>Physical Review Letters</i> , 2018, 120, 071801.	7.8	88
79	Search for a diffuse flux of astrophysical muon neutrinos with the IceCube 40-string detector. <i>Physical Review D</i> , 2011, 84, .	4.7	87
80	THE JUNE 2008 FLARE OF MARKARIAN 421 FROM OPTICAL TO TeV ENERGIES. <i>Astrophysical Journal</i> , 2009, 691, L13-L19.	4.5	86
81	Determining neutrino oscillation parameters from atmospheric muon neutrino disappearance with three years of IceCube DeepCore data. <i>Physical Review D</i> , 2015, 91, .	4.7	86
82	Detection of a particle shower at the Glashow resonance with IceCube. <i>Nature</i> , 2021, 591, 220-224.	27.8	86
83	Limits on Neutrino Emission from Gamma-Ray Bursts with the 40 String IceCube Detector. <i>Physical Review Letters</i> , 2011, 106, 141101.	7.8	85
84	OBSERVATION OF COSMIC-RAY ANISOTROPY WITH THE ICETOP AIR SHOWER ARRAY. <i>Astrophysical Journal</i> , 2013, 765, 55.	4.5	85
85	Very High Energy Gamma-Ray Observations of Strong Flaring Activity in M87 in 2008 February. <i>Astrophysical Journal</i> , 2008, 685, L23-L26.	4.5	84
86	Phase-resolved energy spectra of the Crab pulsar in the range of 50×10^6 – 400×10^6 GeV measured with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 540, A69.	5.1	84
87	The 2009 multiwavelength campaign on Mrk 421: Variability and correlation studies. <i>Astronomy and Astrophysics</i> , 2015, 576, A126.	5.1	84
88	Teraelectronvolt pulsed emission from the Crab Pulsar detected by MAGIC. <i>Astronomy and Astrophysics</i> , 2016, 585, A133.	5.1	82
89	PERIODIC VERY HIGH ENERGY γ -RAY EMISSION FROM LS I +61 $^{\circ}$ 303 OBSERVED WITH THE MAGIC TELESCOPE. <i>Astrophysical Journal</i> , 2009, 693, 303-310.	4.5	81
90	SEARCH FOR MUON NEUTRINOS FROM GAMMA-RAY BURSTS WITH THE IceCube NEUTRINO TELESCOPE. <i>Astrophysical Journal</i> , 2010, 710, 346-359.	4.5	81

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91	SEARCH FOR TIME-INDEPENDENT NEUTRINO EMISSION FROM ASTROPHYSICAL SOURCES WITH 3 yr OF IceCube DATA. <i>Astrophysical Journal</i> , 2013, 779, 132.	4.5	81
92	Search for dark matter from the Galactic halo with the IceCube Neutrino Telescope. <i>Physical Review D</i> , 2011, 84, .	4.7	79
93	DETECTION OF VERY HIGH ENERGY $\hat{\nu}^3$ -RAY EMISSION FROM THE PERSEUS CLUSTER HEAD-TAIL GALAXY IC 310 BY THE MAGIC TELESCOPES. <i>Astrophysical Journal Letters</i> , 2010, 723, L207-L212.	8.3	78
94	VERY HIGH ENERGY $\hat{\nu}^3$ -RAYS FROM THE UNIVERSE'S MIDDLE AGE: DETECTION OF THE $z = 0.940$ BLAZAR PKS 1441+25 WITH MAGIC. <i>Astrophysical Journal Letters</i> , 2015, 815, L23.	8.3	78
95	Detection of very-high energy $\hat{\nu}^3$ -ray emission from NGC 1275 by the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 539, L2.	5.1	77
96	Search for a Lorentz-violating sidereal signal with atmospheric neutrinos in IceCube. <i>Physical Review D</i> , 2010, 82, .	4.7	76
97	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
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 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
100	Limits on dark matter WIMPs using upward-going muons in the MACRO detector. <i>Physical Review D</i> , 1999, 60, .	4.7	74
101	Search for Ultra-High Energy Neutrinos with AMANDA-II. <i>Astrophysical Journal</i> , 2008, 675, 1014-1024.	4.5	74
102	Search for a diffuse flux of astrophysical muon neutrinos with the IceCube 59-string configuration. <i>Physical Review D</i> , 2014, 89, .	4.7	74
103	DISCOVERY OF VERY HIGH ENERGY $\hat{\nu}^3$ -RAYS FROM THE BLAZAR S5 0716+714. <i>Astrophysical Journal</i> , 2009, 704, L129-L133.	4.5	72
104	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
105	Determination of the atmospheric neutrino flux and searches for new physics with AMANDA-II. <i>Physical Review D</i> , 2009, 79, .	4.7	71
106	SPECTRAL ENERGY DISTRIBUTION OF MARKARIAN 501: QUIESCENT STATE VERSUS EXTREME OUTBURST. <i>Astrophysical Journal</i> , 2011, 729, 2.	4.5	70
107	MAGIC gamma-ray and multi-frequency observations of flat spectrum radio quasar PKS 1510+089 in early 2012. <i>Astronomy and Astrophysics</i> , 2014, 569, A46.	5.1	70
108	OBSERVATIONS OF THE CRAB PULSAR BETWEEN 25 AND 100 GeV WITH THE MAGIC I TELESCOPE. <i>Astrophysical Journal</i> , 2011, 742, 43.	4.5	69

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109	Constraints on the extremely-high energy cosmic neutrino flux with the IceCube 2008-2009 data. <i>Physical Review D</i> , 2011, 83, .	4.7	68
110	MAGIC Observations and multiwavelength properties of the quasar 3C279 in 2007 and 2009. <i>Astronomy and Astrophysics</i> , 2011, 530, A4.	5.1	68
111	Morphological and spectral properties of the W51 region measured with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 541, A13.	5.1	67
112	Measurement of the extragalactic background light using MAGIC and Fermi-LAT gamma-ray observations of blazars up to $z=1$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 4233-4251.	4.4	67
113	Improved Characterization of the Astrophysical Muon-neutrino Flux with 9.5 Years of IceCube Data. <i>Astrophysical Journal</i> , 2022, 928, 50.	4.5	67
114	Multiyear search for dark matter annihilations in the Sun with the AMANDA-II and IceCube detectors. <i>Physical Review D</i> , 2012, 85, .	4.7	66
115	Neutrino interferometry for high-precision tests of Lorentz symmetry with IceCube. <i>Nature Physics</i> , 2018, 14, 961-966.	16.7	66
116	Search for Extraterrestrial Point Sources of Neutrinos with AMANDA-II. <i>Physical Review Letters</i> , 2004, 92, 071102.	7.8	65
117	Measurement of the Crab Nebula spectrum over three decades in energy with the MAGIC telescopes. <i>Journal of High Energy Astrophysics</i> , 2015, 5-6, 30-38.	6.7	65
118	Limits on Diffuse Fluxes of High Energy Extraterrestrial Neutrinos with the AMANDA-B10 Detector. <i>Physical Review Letters</i> , 2003, 90, 251101.	7.8	64
119	Measurement of the Atmospheric $\bar{\nu}_e$ Flux in IceCube. <i>Physical Review Letters</i> , 2013, 110, 151105.	7.8	64
120	A cut-off in the TeV gamma-ray spectrum of the SNR Cassiopeia A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 2956-2962.	4.4	64
121	Joint Constraints on Galactic Diffuse Neutrino Emission from the ANTARES and IceCube Neutrino Telescopes. <i>Astrophysical Journal Letters</i> , 2018, 868, L20.	8.3	64
122	Constraining cosmic rays and magnetic fields in the Perseus galaxy cluster with TeV observations by the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 541, A99.	5.1	64
123	Scintillation efficiency of nuclear recoil in liquid xenon. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000, 449, 147-157.	1.6	63
124	Results from the Antarctic Muon and Neutrino Detector Array. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2003, 118, 371-379.	0.4	63
125	Search for neutrino-induced cascades with AMANDA. <i>Astroparticle Physics</i> , 2004, 22, 127-138.	4.3	62
126	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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127	Search for neutrinos from decaying dark matter with IceCube. <i>European Physical Journal C</i> , 2018, 78, 831.	3.9	62
128	The energy spectrum of atmospheric neutrinos between 2 and 200 TeV with the AMANDA-II detector. <i>Astroparticle Physics</i> , 2010, 34, 48-58.	4.3	61
129	Flux limits on ultra high energy neutrinos with AMANDA-B10. <i>Astroparticle Physics</i> , 2005, 22, 339-353.	4.3	60
130	Searches for dark matter annihilation signatures in the Segue 1 satellite galaxy with the MAGIC-I telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 035-035.	5.4	60
131	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
132	Detection of atmospheric muon neutrinos with the IceCube 9-string detector. <i>Physical Review D</i> , 2007, 76, .	4.7	57
133	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
134	SEARCHES FOR TIME-DEPENDENT NEUTRINO SOURCES WITH ICECUBE DATA FROM 2008 TO 2012. <i>Astrophysical Journal</i> , 2015, 807, 46.	4.5	56
135	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
136	Detection of very high energy gamma-ray emission from the gravitationally lensed blazar QSO B0218+357 with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2016, 595, A98.	5.1	56
137	Analysis of the liquid argon purity in the ICARUS T600 TPC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 516, 68-79.	1.6	55
138	SIMULTANEOUS MULTIWAVELENGTH OBSERVATIONS OF MARKARIAN 421 DURING OUTBURST. <i>Astrophysical Journal</i> , 2009, 703, 169-178.	4.5	55
139	Mrk 421 active state in 2008: the MAGIC view, simultaneous multi-wavelength observations and SSC model constrained. <i>Astronomy and Astrophysics</i> , 2012, 542, A100.	5.1	55
140	Measurements using the inelasticity distribution of multi-TeV neutrino interactions in IceCube. <i>Physical Review D</i> , 2019, 99, .	4.7	55
141	Performance of the MAGIC telescopes under moonlight. <i>Astroparticle Physics</i> , 2017, 94, 29-41.	4.3	54
142	IceCube search for dark matter annihilation in nearby galaxies and galaxy clusters. <i>Physical Review D</i> , 2013, 88, .	4.7	53
143	Search for Sources of Astrophysical Neutrinos Using Seven Years of IceCube Cascade Events. <i>Astrophysical Journal</i> , 2019, 886, 12.	4.5	53
144	Measurement of atmospheric tau neutrino appearance with IceCube DeepCore. <i>Physical Review D</i> , 2019, 99, .	4.7	53

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145	Five years of searches for point sources of astrophysical neutrinos with the AMANDA-II neutrino telescope. <i>Physical Review D</i> , 2007, 75, .	4.7	52
146	DISCOVERY OF A VERY HIGH ENERGY GAMMA-RAY SIGNAL FROM THE 3C 66A/B REGION. <i>Astrophysical Journal</i> , 2009, 692, L29-L33.	4.5	52
147	Search for dark matter annihilation in the Galactic Center with IceCube-79. <i>European Physical Journal C</i> , 2015, 75, 1.	3.9	52
148	Bounds on Lorentz Invariance Violation from MAGIC Observation of GRB 190114C. <i>Physical Review Letters</i> , 2020, 125, 021301.	7.8	52
149	Limits to the muon flux from neutralino annihilations in the Sun with the AMANDA detector. <i>Astroparticle Physics</i> , 2006, 24, 459-466.	4.3	51
150	Characterization of the atmospheric muon flux in IceCube. <i>Astroparticle Physics</i> , 2016, 78, 1-27.	4.3	51
151	Search for an extended VHE γ -ray emission from Mrk 421 and Mrk 501 with the MAGIC Telescope. <i>Astronomy and Astrophysics</i> , 2010, 524, A77.	5.1	50
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