Subir Sarkar

List of Publications by Year
in descending order

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946	99,879	1043 113	296 292
papers	citations	h-index	g-index

984	984	984	27581
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Review of Particle Physics. Chinese Physics C, 2014, 38, 090001.	1.5	5,997
2	Review of Particle Physics. Physical Review D, 2018, 98, .	1.6	5,390
3	Review of Particle Physics. Physical Review D, 2012, 86, .	1.6	5,054
4	Review of Particle Physics. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 075021.	1.4	4,745
5	Review of Particle Physics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 592, 1-5.	1.5	4,599
6	Review of Particle Physics. Chinese Physics C, 2016, 40, 100001.	1.5	4,200
7	Review of Particle Physics. Journal of Physics G: Nuclear and Particle Physics, 2006, 33, 1-1232.	1.4	3,613
8	Review of Particle Physics. Progress of Theoretical and Experimental Physics, 2020, 2020, .	1.8	3,177
9	Review of Particle Properties. Physical Review D, 2002, 66, .	1.6	2,845
10	Multi-messenger Observations of a Binary Neutron Star Merger[*]. Astrophysical Journal Letters, 2017, 848, L12.	3.0	2,805
11	Tests of quantum gravity from observations of Î³-ray bursts. Nature, 1998, 393, 763-765.	13.7	1,134
12	Evidence for High-Energy Extraterrestrial Neutrinos at the IceCube Detector. Science, 2013, 342, 1242856.	6.0	1,048
13	Observation of High-Energy Astrophysical Neutrinos in Three Years of IceCube Data. Physical Review Letters, 2014, 113, 101101.	2.9	873
14	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. Science, 2018, 361, .	6.0	654
15	Correlation of the Highest-Energy Cosmic Rays with Nearby Extragalactic Objects. Science, 2007, 318, 938-943.	6.0	647
16	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. Experimental Astronomy, 2011, 32, 193-316.	1.6	640
17	Neutrino emission from the direction of the blazar TXS 0506+056 prior to the IceCube-170922A alert. Science, 2018, 361, 147-151.	6.0	601
18	Search for neutral MSSM Higgs bosons at LEP. European Physical Journal C, 2006, 47, 547.	1.4	592

#	Article	IF	Citations
19	First Observation of PeV-Energy Neutrinos with IceCube. Physical Review Letters, 2013, 111, 021103.	2.9	578
20	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 $$,ext {TeV}$$ TeV. European Physical Journal C, 2015, 75, 212.	1.4	541
21	Introducing the CTA concept. Astroparticle Physics, 2013, 43, 3-18.	1.9	504
22	Observation of the Suppression of the Flux of Cosmic Rays above<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>4</mml:mn><mml:mo>Ã—</mml:mo><mml:msup><mml:mn>10</mml:mn><mml:mn>19</mml:mn></mml: Physical Review Letters, 2008, 101, 061101.	2.9	500
23	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	1.4	499
24	Measurement of the Depth of Maximum of Extensive Air Showers above<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mn>10</mml:mn><mml:mn>18</mml:mn></mml:msup><mml:mtext>â€‰</mml:mtext><mml:mt Physical Review Letters, 2010, 104, 091101.	2.9	429
25	Big bang nucleosynthesis and physics beyond the standard model. Reports on Progress in Physics, 1996, 59, 1493-1609.	8.1	422
26	The IceCube Neutrino Observatory: instrumentation and online systems. Journal of Instrumentation, 2017, 12, P03012-P03012.	0.5	390
27	First year performance of the IceCube neutrino telescope. Astroparticle Physics, 2006, 26, 155-173.	1.9	379
28	Study of high-p T charged particle suppression in PbPb compared to pp collisions at $sqrt{s_{mathrm{NN}}}=2.76~mathrm{TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	369
29	The cosmology of decaying gravitinos. Nuclear Physics B, 1985, 259, 175-188.	0.9	361
30	Measurement of the energy spectrum of cosmic rays above 1018 eV using the Pierre Auger Observatory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 685, 239-246.	1.5	357
31	Combined measurements of Higgs boson couplings in protonâ€“proton collisions at $$sqrt{s}=13,ext {Te}ext {V} $$. European Physical Journal C, 2019, 79, 421.	1.4	355
32	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	1.4	342
33	A COMBINED MAXIMUM-LIKELIHOOD ANALYSIS OF THE HIGH-ENERGY ASTROPHYSICAL NEUTRINO FLUX MEASURED WITH ICECUBE. Astrophysical Journal, 2015, 809, 98.	1.6	337
34	OBSERVATION AND CHARACTERIZATION OF A COSMIC MUON NEUTRINO FLUX FROM THE NORTHERN HEMISPHERE USING SIX YEARS OF ICECUBE DATA. Astrophysical Journal, 2016, 833, 3.	1.6	336
35	Astrophysical constraints on massive unstable neutral relic particles. Nuclear Physics B, 1992, 373, 399-437.	0.9	328
36	Observation of a new boson with mass near 125 GeV in pp collisions at $ sqrt{s}=7 $ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	320

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37	Search for dark matter, extra dimensions, and unparticles in monojet events in protonâ€“proton collisions at $$sqrt{s} = 8$$ s = 8 $$,{mathrm{TeV}},$$ TeV. European Physical Journal C, 2015, 75, 235.	1.4	320
38	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.	0.7	312
39	Correlation of the highest-energy cosmic rays with the positions of nearby active galactic nuclei. Astroparticle Physics, 2008, 29, 188-204.	1.9	305
40	The fluorescence detector of the Pierre Auger Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 620, 227-251.	0.7	275
41	An absence of neutrinos associated with cosmic-ray acceleration in Î³-ray bursts. Nature, 2012, 484, 351-354.	13.7	272
42	Update on the correlation of the highest energy cosmic rays with nearby extragalactic matter. Astroparticle Physics, 2010, 34, 314-326.	1.9	270
43	Simplified models for dark matter searches at the LHC. Physics of the Dark Universe, 2015, 9-10, 8-23.	1.8	250
44	Evidence for Astrophysical Muon Neutrinos from the Northern Sky with IceCube. Physical Review Letters, 2015, 115, 081102.	2.9	247
45	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8ÂTeV. European Physical Journal C, 2014, 74, 3036.	1.4	241
46	Search for Dark Matter Annihilations in the Sun with the 79-String IceCube Detector. Physical Review Letters, 2013, 110, 131302.	2.9	235
47	Physics with the KLOE-2 experiment at the upgraded DAÎ¦NE. European Physical Journal C, 2010, 68, 619-681.	1.4	222
48	The design and performance of IceCube DeepCore. Astroparticle Physics, 2012, 35, 615-624.	1.9	222
49	Time-Integrated Neutrino Source Searches with 10ÂYears of IceCube Data. Physical Review Letters, 2020, 124, 051103.	2.9	221
50	Measurement of the Proton-Air Cross Section at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo mathvariant="bold">=</mml:mo><mml:mn>57</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>T the Pierre Auger Observatory. Physical Review Letters, 2012, 109, 062002.	2.9	212
51	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.	0.7	211
52	Atmospheric and astrophysical neutrinos above 1ÂTeV interacting in IceCube. Physical Review D, 2015, 91, .	1.6	209
53	Suppression of non-prompt J/Ï, prompt J/Ï, and $ Upsilon $(1S) in PbPb collisions at $ sqrt {{{s_{ext{NN}}}}} = 2.76 $ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	200
54	All-sky Search for Time-integrated Neutrino Emission from Astrophysical Sources with 7 yr of IceCube Data. Astrophysical Journal, 2017, 835, 151.	1.6	198

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55	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	1.4	198
56	Measurement of the differential cross section for top quark pair production in pp collisions at $$sqrt{s} = 8,ext {TeV} $$ s = 8 TeV. European Physical Journal C, 2015, 75, 542.	1.4	191
57	THE CONTRIBUTION OF FERMI-2LAC BLAZARS TO DIFFUSE TEVâ€“PEV NEUTRINO FLUX. Astrophysical Journal, 2017, 835, 45.	1.6	186
58	GZK neutrinos after the Fermi-LAT diffuse photon flux measurement. Astroparticle Physics, 2010, 34, 106-115.	1.9	184
59	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $sqrt{s_{NN}}= 2.76 mbox{TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	181
60	Search for heavy neutrinos and $$mathrm {W}$$ W bosons with right-handed couplings in protonâ€“proton collisions at $$sqrt{s} = 8,ext {TeV} $$ s = 8 TeV. European Physical Journal C, 2014, 74, 3149.	1.4	179
61	On the cosmological domain wall problem for the minimally extended supersymmetric standard model. Nuclear Physics B, 1995, 454, 663-681.	0.9	175
62	Extremely high energy cosmic rays from relic particle decays. Astroparticle Physics, 1998, 9, 297-309.	1.9	173
63			

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73	Measurement of the inclusive W and Z production cross sections in pp collisions at $ sqrt {s} = 7 $ TeV with the CMS experiment. Journal of High Energy Physics, 2011, 2011, 1.	1.6	158
74	Measurement of the atmospheric neutrino energy spectrum from 100ÂGeV to 400ÂTeV with IceCube. Physical Review D, 2011, 83, .	1.6	156
75	Flavor Ratio of Astrophysical Neutrinos above 35ÂTeV in IceCube. Physical Review Letters, 2015, 114, 171102.	2.9	156
76	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $sqrt{s} = 0.9, 2.76,mbox{ and }7~mbox{TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	154
77	Trigger and aperture of the surface detector array of the Pierre Auger Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 613, 29-39.	0.7	151
78	SEARCHES FOR EXTENDED AND POINT-LIKE NEUTRINO SOURCES WITH FOUR YEARS OF ICECUBE DATA. Astrophysical Journal, 2014, 796, 109.	1.6	149
79	Search for supersymmetry in hadronic final states with missing transverse energy using the variables Î± T and b-quark multiplicity in pp collisions at $sqrt{s} = 8 mathrm{TeV}$. European Physical Journal C, 2013, 73, 2568.	1.4	147
80	Probing the anisotropic local Universe and beyond with SNeâ€ƒIa data. Monthly Notices of the Royal Astronomical Society, 2011, 414, 264-271.	1.6	144
81	The high energy neutrino cross-section in the Standard Model and its uncertainty. Journal of High Energy Physics, 2011, 2011, 1.	1.6	143
82	IceCube high-energy starting event sample: Description and flux characterization with 7.5Âyears of data. Physical Review D, 2021, 104, .	1.6	142
83	Upper Limit on the Diffuse Flux of Ultrahigh Energy Tau Neutrinos from the Pierre Auger Observatory. Physical Review Letters, 2008, 100, 211101.	2.9	141
84	The spin-dependent structure function of the proton <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msubsup><mml:mi>g</mml:mi><mml:mn>1</mml:mn><mml:mi>p</mml:mi></mml:msubsup></mml:math> and a test of the Bjorken sum rule. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 690, 466-472.	1.5	141
85	Evidence for anisotropy of cosmic acceleration. Astronomy and Astrophysics, 2019, 631, L13.	2.1	141
86	Searches for Sterile Neutrinos with the IceCube Detector. Physical Review Letters, 2016, 117, 071801.	2.9	140
87	Characteristics of the Diffuse Astrophysical Electron and Tau Neutrino Flux with Six Years of IceCube High Energy Cascade Data. Physical Review Letters, 2020, 125, 121104.	2.9	137
88	Dark matter annihilation and decay in dwarf spheroidal galaxies: the classical and ultrafaint dSphs. Monthly Notices of the Royal Astronomical Society, 2015, 453, 849-867.	1.6	136
89	A Test of the Cosmological Principle with Quasars. Astrophysical Journal Letters, 2021, 908, L51.	3.0	136
90	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.	3.0	135

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91	An alternative to the cosmological â€œconcordance modelâ€• Astronomy and Astrophysics, 2003, 412, 35-44.	2.1	134
92	Limits on a Muon Flux from Neutralino Annihilations in the Sun with the IceCube 22-String Detector. Physical Review Letters, 2009, 102, 201302.	2.9	132
93	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, .	1.6	131
94	Resolving astrophysical uncertainties in dark matter direct detection. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 024-024.	1.9	130
95	A search for a doubly-charged Higgs boson in pp collisions at $sqrt{s} = 7 mbox{TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	129
96	TIME-INTEGRATED SEARCHES FOR POINT-LIKE SOURCES OF NEUTRINOS WITH THE 40-STRING IceCube DETECTOR. Astrophysical Journal, 2011, 732, 18.	1.6	126
97	Dark Matter benchmark models for early LHC Run-2 Searches: Report of the ATLAS/CMS Dark Matter Forum. Physics of the Dark Universe, 2020, 27, 100371.	1.8	126
98	Measurement of differential top-quark-pair production cross sections in pp collisions at $sqrt{s} = 7 mathrm{TeV}$. European Physical Journal C, 2013, 73, 1.	1.4	125
99	SEARCH FOR PROMPT NEUTRINO EMISSION FROM GAMMA-RAY BURSTS WITH ICECUBE. Astrophysical Journal Letters, 2015, 805, L5.	3.0	124
100	Evidence for the 125 GeV Higgs boson decaying to a pair of Ï„ leptons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	123
101	Marginal evidence for cosmic acceleration from Type Ia supernovae. Scientific Reports, 2016, 6, 35596.	1.6	123
102	Precision luminosity measurement in protonâ€“proton collisions at $$sqrt{s} = 13,hbox {TeV}$$ in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	1.4	123
103	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.	0.7	122
104	IceCube sensitivity for low-energy neutrinos from nearby supernovae. Astronomy and Astrophysics, 2011, 535, A109.	2.1	121
105	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	1.4	120
106	The high energy cosmic ray spectrum from relic particle decay. Nuclear Physics B, 2002, 621, 495-520.	0.9	119
107	MEASUREMENT OF THE ANISOTROPY OF COSMIC-RAY ARRIVAL DIRECTIONS WITH ICECUBE. Astrophysical Journal Letters, 2010, 718, L194-L198.	3.0	119
108	Searches for long-lived charged particles in pp collisions at $ sqrt{s} $ =7 and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	118

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109	Upper limit on the cosmic-ray photon fraction at EeV energies from the Pierre Auger Observatory. Astroparticle Physics, 2009, 31, 399-406.	1.9	117
110	Search for a light charged Higgs boson in top quark decays in pp collisions at $ sqrt {s} = 7;TeV $. Journal of High Energy Physics, 2012, 2012, 1.	1.6	117
111	Remarks on the KARMEN anomaly. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 352, 365-371.	1.5	116
112	The IceCube realtime alert system. Astroparticle Physics, 2017, 92, 30-41.	1.9	116
113	Extending the Search for Muon Neutrinos Coincident with Gamma-Ray Bursts in IceCube Data. Astrophysical Journal, 2017, 843, 112.	1.6	116
114	OBSERVATION OF ANISOTROPY IN THE GALACTIC COSMIC-RAY ARRIVAL DIRECTIONS AT 400 TeV WITH ICECUBE. Astrophysical Journal, 2012, 746, 33.	1.6	115
115	Measurement of the cosmic ray energy spectrum with IceTop-73. Physical Review D, 2013, 88, .	1.6	114
116	Search for heavy neutrino decays in the BEBC beam dump experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 160, 207-211.	1.5	113
117	Measurement of the multi-TeV neutrino interaction cross-section with IceCube using Earth absorption. Nature, 2017, 551, 596-600.	13.7	113
118	Observation of a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>J</mml:mi><mml:mi>PC</mml:mi></mml:msup><mml:mo>=</mml:mo><mml:msup><mml:mn> Resonance in Diffractive Dissociation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>190</mml:mn><mml:mtext>â€‰â€Šâ€Š</mml:mtext><mml:mi>GeV</mml:mi><mml:mo>/</mml:mo><mm Physical Review Letters, 2010, 104, 241803.	2.9	112
119	Constraints on Ultrahigh-Energy Cosmic-Ray Sources from a Search for Neutrinos above 10ÂPeV with IceCube. Physical Review Letters, 2016, 117, 241101.	2.9	111
120	Search for annihilating dark matter in the Sun with 3Âyears of IceCube data. European Physical Journal C, 2017, 77, 1.	1.4	111
121	AN ALL-SKY SEARCH FOR THREE FLAVORS OF NEUTRINOS FROM GAMMA-RAY BURSTS WITH THE ICECUBE NEUTRINO OBSERVATORY. Astrophysical Journal, 2016, 824, 115.	1.6	109
122	On the interpretation of dark matter self-interactions in Abell 3827. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 452, L54-L58.	1.2	107
123	Testing Astrophysical Models for the PAMELA Positron Excess with Cosmic Ray Nuclei. Physical Review Letters, 2009, 103, 081104.	2.9	106
124	Cosmic ray acceleration in supernova remnants and the FERMI/PAMELA data. Physical Review D, 2009, 80, .	1.6	104
125	OBSERVATION OF ANISOTROPY IN THE ARRIVAL DIRECTIONS OF GALACTIC COSMIC RAYS AT MULTIPLE ANGULAR SCALES WITH IceCube. Astrophysical Journal, 2011, 740, 16.	1.6	103
126	Charged-particle nuclear modification factors in PbPb and pPb collisions at s N N = 5.02 $$ sqrt{s_{mathrm{N};mathrm{N}}}=5.02 $$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	103

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127	LHC and Tevatron bounds on the dark matter direct detection cross-section for vector mediators. Journal of High Energy Physics, 2012, 2012, 1.	1.6	101
128	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $$ sqrt{s}=13 $$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	101
129	Thermalisation after inflation. Journal of High Energy Physics, 2000, 2000, 012-012.	1.6	100
130	Asymmetric Dark Matter and the Sun. Physical Review Letters, 2010, 105, 011301.	2.9	100
131	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $ sqrt{s} $ = 8 TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	100
132	Cosmological and experimental constraints on the tau neutrino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 148, 347-354.	1.5	99
133	Evading the cosmological domain wall problem. Physical Review D, 1997, 55, 5129-5135.	1.6	99
134	Limit on the diffuse flux of ultrahigh energy tau neutrinos with the surface detector of the Pierre Auger Observatory. Physical Review D, 2009, 79, .	1.6	99
135	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $ sqrt {{{s_{ext{NN}}}}} = 2.76 $ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	99
136	Multiple inflation and the WMAP â€œglitchesâ€• Physical Review D, 2004, 70, .	1.6	98
137	Search for new phenomena with the $$M_{mathrm {T2}}$$ M T 2 variable in the all-hadronic final state produced in protonâ€“proton collisions at $$sqrt{s} = 13$$ s = 13 $$,ext {TeV}$$ TeV. European Physical Journal C, 2017, 77, 710.	1.4	98
138	Measurement of the underlying event activity at the LHC with $ sqrt {s} = 7 $ TeV and comparison with $ sqrt {s} = 0.9 $ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	97
139	Antennas for the detection of radio emission pulses from cosmic-ray induced air showers at the Pierre Auger Observatory. Journal of Instrumentation, 2012, 7, P10011-P10011.	0.5	95
140	Search for supersymmetry in hadronic final states using M T2 in pp collisions at $ sqrt{s}=7 $ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	95
141	Constraints on Galactic Neutrino Emission with Seven Years of IceCube Data. Astrophysical Journal, 2017, 849, 67.	1.6	95
142	Searches for invisible decays of the Higgs boson in pp collisions at s $$ sqrt{s} $$ = 7, 8, and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	95
143	Fermi Gamma-Ray â€œBubblesâ€•from Stochastic Acceleration of Electrons. Physical Review Letters, 2011, 107, 091101.	2.9	94
144	IceCube sensitivity for low-energy neutrinos from nearby supernovae (Corrigendum). Astronomy and Astrophysics, 2014, 563, C1.	2.1	94

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145	The physics programme of the MoEDAL experiment at the LHC. International Journal of Modern Physics A, 2014, 29, 1430050.	0.5	93
146	Multiyear search for a diffuse flux of muon neutrinos with AMANDA-II. Physical Review D, 2007, 76, .	1.6	92
147	Direct detection of dark matter in models with a light Zâ€². Journal of High Energy Physics, 2011, 2011, 1.	1.6	92
148	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. Journal of High Energy Physics, 2015, 2015, 1.	1.6	92
149	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. Physical Review D, 2016, 93, .	1.6	92
150	Big bang nucleosynthesis limit onNÎ½. Physical Review D, 1999, 59, .	1.6	91
151	The impact of heavy nuclei on the cosmogenic neutrino flux. Astroparticle Physics, 2005, 23, 11-17.	1.9	91
152	The unbearable lightness of being: CDMS versus XENON. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 023-023.	1.9	91
153	An upper limit to the photon fraction in cosmic rays above 1019eV from the Pierre Auger Observatory. Astroparticle Physics, 2007, 27, 155-168.	1.9	90
154	The spin structure function<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msubsup><mml:mrow><mml:mi>g</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow> mathvariant="normal">p</mml:mi></mml:mrow></mml:msubsup></mml:math>of the proton and a test of the Bjorken sum rule. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 18-28.	1.5	89
155	Dark matter profiles and annihilation in dwarf spheroidal galaxies: prospectives for present and futureâ€,Î³-ray observatories - I. The classical dwarf spheroidal galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 418, 1526-1556.	1.6	88
156	Measurements of differential and double-differential Drellâ€“Yan cross sections in protonâ€“proton collisions at $$sqrt{s} = 8$$ s = 8 $$,ext {TeV}$$ TeV. European Physical Journal C, 2015, 75, 147.	1.4	88
157	Measurement of Atmospheric Neutrino Oscillations at 6â€“56ÂGeV with IceCube DeepCore. Physical Review Letters, 2018, 120, 071801.	2.9	88
158	Search for a diffuse flux of astrophysical muon neutrinos with the IceCube 40-string detector. Physical Review D, 2011, 84, .	1.6	87
159	AMS-02 data confront acceleration of cosmic ray secondaries in nearby sources. Physical Review D, 2014, 90, .	1.6	87
160	Determining neutrino oscillation parameters from atmospheric muon neutrino disappearance with three years of IceCube DeepCore data. Physical Review D, 2015, 91, .	1.6	86
161	Search for high-mass resonances in dilepton final states in proton-proton collisions at $$ sqrt{s}=13 $$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	86
162	Detection of a particle shower at the Glashow resonance with IceCube. Nature, 2021, 591, 220-224.	13.7	86

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163	Limits on Neutrino Emission from Gamma-Ray Bursts with the 40 String IceCube Detector. Physical Review Letters, 2011, 106, 141101.	2.9	85
164	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $ sqrt{{{s_{mathrm{NN}}}}} = 2.76 $ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	85
165	OBSERVATION OF COSMIC-RAY ANISOTROPY WITH THE ICETOP AIR SHOWER ARRAY. Astrophysical Journal, 2013, 765, 55.	1.6	85
166	Study of double parton scattering using W + 2-jet events in proton-proton collisions at $ sqrt{s} $ = 7 TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
167	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at s $$ sqrt{s} $$ = 8 TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
168	Study of the production of charged pions, kaons, and protons in pPb collisions at $$sqrt{s_{NN}} =; $$ s N N = 5.02 $$,ext {TeV}$$ TeV. European Physical Journal C, 2014, 74, 2847.	1.4	85
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170	Performance of the CMS Level-1 trigger in proton-proton collisions at âˆšs = 13 TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	0.5	84
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