

Subir Sarkar

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922
papers

78,691
citations

99
h-index

263
g-index

983
ext. papers

88,392
ext. citations

5.2
avg, IF

8.59
L-index

#	Paper	IF	Citations
922	Review of Particle Physics. <i>Chinese Physics C</i> , 2014 , 38, 090001	2.2	5549
921	Review of Particle Physics*. <i>Physical Review D</i> , 2012 , 86,	4.9	4786
920	Review of Particle Physics*. <i>Physical Review D</i> , 2018 , 98,	4.9	4401
919	Review of Particle Physics. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2010 , 37, 075021	2.9	4379
918	Review of Particle Physics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 592, 1-5	4.2	3560
917	Review of Particle Physics. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2006 , 33, 1-1232	2.9	3486
916	Review of Particle Physics. <i>Chinese Physics C</i> , 2016 , 40, 100001	2.2	3442
915	Review of Particle Properties. <i>Physical Review D</i> , 2002 , 66,	4.9	2767
914	Multi-messenger Observations of a Binary Neutron Star Merger. <i>Astrophysical Journal Letters</i> , 2017 , 848, L12	7.9	1935
913	Review of Particle Physics. <i>Progress of Theoretical and Experimental Physics</i> , 2020 , 2020,	5.4	1112
912	Tests of quantum gravity from observations of Γ ray bursts. <i>Nature</i> , 1998 , 393, 763-765	50.4	974
911	Evidence for high-energy extraterrestrial neutrinos at the IceCube detector. <i>Science</i> , 2013 , 342, 1242856	33.3	814
910	Observation of high-energy astrophysical neutrinos in three years of IceCube data. <i>Physical Review Letters</i> , 2014 , 113, 101101	7.4	683
909	Correlation of the highest-energy cosmic rays with nearby extragalactic objects. <i>Science</i> , 2007 , 318, 938-933	33.3	558
908	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. <i>Experimental Astronomy</i> , 2011 , 32, 193-316	1.3	496
907	Search for neutral MSSM Higgs bosons at LEP. <i>European Physical Journal C</i> , 2006 , 47, 547	4.2	496
906	First observation of PeV-energy neutrinos with IceCube. <i>Physical Review Letters</i> , 2013 , 111, 021103	7.4	470

905	Observation of the suppression of the flux of cosmic rays above 4×10^{19} eV. <i>Physical Review Letters</i> , 2008 , 101, 061101	7.4	443
904	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. <i>Science</i> , 2018 , 361,	33.3	407
903	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 [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 212	4.2	399
902	Introducing the CTA concept. <i>Astroparticle Physics</i> , 2013 , 43, 3-18	2.4	389
901	Measurement of the depth of maximum of extensive air showers above 10^{18} eV. <i>Physical Review Letters</i> , 2010 , 104, 091101	7.4	387
900	Big bang nucleosynthesis and physics beyond the standard model. <i>Reports on Progress in Physics</i> , 1996 , 59, 1493-1609	14.4	368
899	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
898	The cosmology of decaying gravitinos. <i>Nuclear Physics B</i> , 1985 , 259, 175-188	2.8	339
897	Measurement of the energy spectrum of cosmic rays above 10^{18} eV using the Pierre Auger Observatory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 685, 239-246	4.2	328
896	First year performance of the IceCube neutrino telescope. <i>Astroparticle Physics</i> , 2006 , 26, 155-173	2.4	326
895	Study of high- p_T charged particle suppression in PbPb compared to pp collisions at ($\sqrt{s_{NN}}=2.76\sim\text{TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	316
894	Astrophysical constraints on massive unstable neutral relic particles. <i>Nuclear Physics B</i> , 1992 , 373, 399-437	3.78	296
893	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
892	Correlation of the highest-energy cosmic rays with the positions of nearby active galactic nuclei. <i>Astroparticle Physics</i> , 2008 , 29, 188-204	2.4	262
891	Observation of a new boson with mass near 125 GeV in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	261
890	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 235	4.2	250
889	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016 , 76, 155	4.2	250
888	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

887	Observation of the diphoton decay of the Higgs boson and measurement of its properties. <i>European Physical Journal C</i> , 2014 , 74, 3076	4.2	239
886	An absence of neutrinos associated with cosmic-ray acceleration in Γ ay bursts. <i>Nature</i> , 2012 , 484, 351-4	50.4	230
885	Update on the correlation of the highest energy cosmic rays with nearby extragalactic matter. <i>Astroparticle Physics</i> , 2010 , 34, 314-326	2.4	229
884	The IceCube data acquisition system: Signal capture, digitization, and timestamping. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 601, 294-316	1.2	228
883	Evidence for Astrophysical Muon Neutrinos from the Northern Sky with IceCube. <i>Physical Review Letters</i> , 2015 , 115, 081102	7.4	204
882	The IceCube Neutrino Observatory: instrumentation and online systems. <i>Journal of Instrumentation</i> , 2017 , 12, P03012-P03012	1	203
881	The fluorescence detector of the Pierre Auger Observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010 , 620, 227-251	1.2	202
880	Search for dark matter annihilations in the sun with the 79-string IceCube detector. <i>Physical Review Letters</i> , 2013 , 110, 131302	7.4	197
879	Simplified models for dark matter searches at the LHC. <i>Physics of the Dark Universe</i> , 2015 , 9-10, 8-23	4.4	196
878	Physics with the KLOE-2 experiment at the upgraded DAΦNE. <i>European Physical Journal C</i> , 2010 , 68, 619-681	4.2	189
877	Suppression of non-prompt J/ψ and $(\Upsilon)(1S)$ in PbPb collisions at $(\sqrt{s_{NN}}) = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	184
876	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV. <i>European Physical Journal C</i> , 2014 , 74, 3036	4.2	183
875	Atmospheric and astrophysical neutrinos above 1 TeV interacting in IceCube. <i>Physical Review D</i> , 2015 , 91,	4.9	179
874	Measurement of the proton-air cross section at $\sqrt{s} = 57$ TeV with the Pierre Auger Observatory. <i>Physical Review Letters</i> , 2012 , 109, 062002	7.4	179
873	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	1.2	179
872	Search for top-squark pair production in the single-lepton final state in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	162
871	Extremely high energy cosmic rays from relic particle decays. <i>Astroparticle Physics</i> , 1998 , 9, 297-309	2.4	162
870	On the cosmological domain wall problem for the minimally extended supersymmetric standard model. <i>Nuclear Physics B</i> , 1995 , 454, 663-681	2.8	162

869	GZK neutrinos after the Fermi-LAT diffuse photon flux measurement. <i>Astroparticle Physics</i> , 2010 , 34, 106-115	2.4	161
868	Multiple inflation. <i>Nuclear Physics B</i> , 1997 , 503, 405-425	2.8	160
867	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at ($\sqrt{s_{NN}}=2.76$ mTeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	158
866	The design and performance of IceCube DeepCore. <i>Astroparticle Physics</i> , 2012 , 35, 615-624	2.4	158
865	Search for dark matter and large extra dimensions in monojet events in pp collisions at ($\sqrt{s} = \{7\}$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	155
864	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 421	4.2	153
863	A travel guide to the dark matter annihilation signal. <i>Physical Review D</i> , 2004 , 69,	4.9	150
862	Search for heavy neutrinos and [Formula: see text] bosons with right-handed couplings in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3149	4.2	149
861	Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	144
860	Measurement of the atmospheric neutrino energy spectrum from 100 GeV to 400 TeV with IceCube. <i>Physical Review D</i> , 2011 , 83,	4.9	143
859	Upper limit on the cosmic-ray photon flux above 1019 eV using the surface detector of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2008 , 29, 243-256	2.4	141
858	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
857	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at ($\sqrt{s} = 0.9, 2.76, \text{ and } 7 \sim \text{TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	133
856	Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. <i>European Physical Journal C</i> , 2014 , 74, 2980	4.2	131
855	Colliding clusters and dark matter self-interactions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 437, 2865-2881	4.3	131
854	Flavor Ratio of Astrophysical Neutrinos above 35 TeV in IceCube. <i>Physical Review Letters</i> , 2015 , 114, 171102	4.2	130
853	An alternative to the cosmological concordance model. <i>Astronomy and Astrophysics</i> , 2003 , 412, 35-44	5.1	130
852	THE CONTRIBUTION OFFERMI-2LAC BLAZARS TO DIFFUSE TEV/BEV NEUTRINO FLUX. <i>Astrophysical Journal</i> , 2017 , 835, 45	4.7	129

851	Probing the anisotropic local Universe and beyond with SNe Ia data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 414, 264-271	4.3	124
850	SEARCHES FOR EXTENDED AND POINT-LIKE NEUTRINO SOURCES WITH FOUR YEARS OF ICECUBE DATA. <i>Astrophysical Journal</i> , 2014 , 796, 109	4.7	122
849	Resolving astrophysical uncertainties in dark matter direct detection. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012 , 2012, 024-024	6.4	122
848	Searches for Sterile Neutrinos with the IceCube Detector. <i>Physical Review Letters</i> , 2016 , 117, 071801	7.4	122
847	Measurement of the inclusive W and Z production cross sections in pp collisions at ($\sqrt{s} = 7$) TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	121
846	Trigger and aperture of the surface detector array of the Pierre Auger Observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010 , 613, 29-39	1.2	121
845	Energy reconstruction methods in the IceCube neutrino telescope. <i>Journal of Instrumentation</i> , 2014 , 9, P03009-P03009	1	118
844	Upper limit on the diffuse flux of ultrahigh energy tau neutrinos from the Pierre Auger Observatory. <i>Physical Review Letters</i> , 2008 , 100, 211101	7.4	117
843	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	7.4	114
842	A search for a doubly-charged Higgs boson in pp collisions at ($\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	111
841	The spin-dependent structure function of the proton g_{1p} and a test of the Bjorken sum rule. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 690, 466-472	4.2	110
840	Marginal evidence for cosmic acceleration from Type Ia supernovae. <i>Scientific Reports</i> , 2016 , 6, 35596	4.9	106
839	TIME-INTEGRATED SEARCHES FOR POINT-LIKE SOURCES OF NEUTRINOS WITH THE 40-STRING IceCube DETECTOR. <i>Astrophysical Journal</i> , 2011 , 732, 18	4.7	106
838	The high energy cosmic ray spectrum from relic particle decay. <i>Nuclear Physics B</i> , 2002 , 621, 495-520	2.8	106
837	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
836	Dark matter annihilation and decay in dwarf spheroidal galaxies: the classical and ultrafaint dSphs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 453, 849-867	4.3	104
835	The high energy neutrino cross-section in the Standard Model and its uncertainty. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	104
834	MEASUREMENT OF THE ANISOTROPY OF COSMIC-RAY ARRIVAL DIRECTIONS WITH ICECUBE. <i>Astrophysical Journal Letters</i> , 2010 , 718, L194-L198	7.9	104

833	Remarks on the KARMEN anomaly. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 352, 365-371	4.2	104
832	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	1.2	103
831	Measurement of differential top-quark-pair production cross sections in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	102
830	Evidence for the 125 GeV Higgs boson decaying to a pair of τ leptons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	101
829	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	1.2	101
828	Search for a light charged Higgs boson in top quark decays in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	101
827	OBSERVATION OF ANISOTROPY IN THE GALACTIC COSMIC-RAY ARRIVAL DIRECTIONS AT 400 TeV WITH ICECUBE. <i>Astrophysical Journal</i> , 2012 , 746, 33	4.7	101
826	Measurement of the cosmic ray energy spectrum with IceTop-73. <i>Physical Review D</i> , 2013 , 88,	4.9	100
825	Upper limit on the cosmic-ray photon fraction at EeV energies from the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2009 , 31, 399-406	2.4	99
824	CMS tracking performance results from early LHC operation. <i>European Physical Journal C</i> , 2010 , 70, 1165-1192	4.1	99
823	Measurement of the differential cross section for top quark pair production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 542	4.2	98
822	Science with the Cherenkov Telescope Array 2019 ,		97
821	Searches for long-lived charged particles in pp collisions at ($\sqrt{s} = 7$ and 8 TeV). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	96
820	LHC and Tevatron bounds on the dark matter direct detection cross-section for vector mediators. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	96
819	Asymmetric dark matter and the sun. <i>Physical Review Letters</i> , 2010 , 105, 011301	7.4	93
818	Testing astrophysical models for the PAMELA positron excess with cosmic ray nuclei. <i>Physical Review Letters</i> , 2009 , 103, 081104	7.4	93
817	Search for heavy neutrino decays in the BEBC beam dump experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985 , 160, 207-211	4.2	93
816	SEARCH FOR PROMPT NEUTRINO EMISSION FROM GAMMA-RAY BURSTS WITH ICECUBE. <i>Astrophysical Journal Letters</i> , 2015 , 805, L5	7.9	92

815	Search for supersymmetry in hadronic final states using M T2 in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	92
814	IceCube sensitivity for low-energy neutrinos from nearby supernovae. <i>Astronomy and Astrophysics</i> , 2011 , 535, A109	5.1	92
813	Multiple inflation and the WMAP "glitches" <i>Physical Review D</i> , 2004 , 70,	4.9	92
812	Cosmological and experimental constraints on the tau neutrino. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984 , 148, 347-354	4.2	92
811	On the interpretation of dark matter self-interactions in Abell 3827. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015 , 452, L54-L58	4.3	91
810	OBSERVATION OF ANISOTROPY IN THE ARRIVAL DIRECTIONS OF GALACTIC COSMIC RAYS AT MULTIPLE ANGULAR SCALES WITH IceCube. <i>Astrophysical Journal</i> , 2011 , 740, 16	4.7	91
809	Multiyear search for a diffuse flux of muon neutrinos with AMANDA-II. <i>Physical Review D</i> , 2007 , 76,	4.9	90
808	The unbearable lightness of being: CDMS versus XENON. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013 , 2013, 023-023	6.4	88
807	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at ($\sqrt{s_{NN}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	87
806	Constraints on Ultrahigh-Energy Cosmic-Ray Sources from a Search for Neutrinos above 10 PeV with IceCube. <i>Physical Review Letters</i> , 2016 , 117, 241101	7.4	87
805	Cosmic ray acceleration in supernova remnants and the FERMI/PAMELA data. <i>Physical Review D</i> , 2009 , 80,	4.9	86
804	Fermi gamma-ray "bubbles" from stochastic acceleration of electrons. <i>Physical Review Letters</i> , 2011 , 107, 091101	7.4	86
803	Observation of a $J^{PC}=1^{++}$ exotic resonance in diffractive dissociation of 190 GeV/c π into $\pi\pi$. <i>Physical Review Letters</i> , 2010 , 104, 241803	7.4	85
802	Search for a diffuse flux of astrophysical muon neutrinos with the IceCube 40-string detector. <i>Physical Review D</i> , 2011 , 84,	4.9	85
801	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
800	IceCube sensitivity for low-energy neutrinos from nearby supernovae (Corrigendum). <i>Astronomy and Astrophysics</i> , 2014 , 563, C1	5.1	84
799	Big bang nucleosynthesis limit on N_{eff} <i>Physical Review D</i> , 1999 , 59,	4.9	84
798	Search for supersymmetry in hadronic final states with missing transverse energy using the variables and b-quark multiplicity in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2568	4.2	82

797	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	81
796	Dark matter profiles and annihilation in dwarf spheroidal galaxies: perspectives for present and future γ -ray observatories - I. The classical dwarf spheroidal galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 418, 1526-1556	4.3	81
795	Limit on the diffuse flux of ultrahigh energy tau neutrinos with the surface detector of the Pierre Auger Observatory. <i>Physical Review D</i> , 2009 , 79,	4.9	81
794	The impact of heavy nuclei on the cosmogenic neutrino flux. <i>Astroparticle Physics</i> , 2005 , 23, 11-17	2.4	81
793	Thermalisation after inflation. <i>Journal of High Energy Physics</i> , 2000 , 2000, 012-012	5.4	81
792	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
791	Direct detection of dark matter in models with a light Z?. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	80
790	Time-Integrated Neutrino Source Searches with 10 Years of IceCube Data. <i>Physical Review Letters</i> , 2020 , 124, 051103	7.4	78
789	Extending the Search for Muon Neutrinos Coincident with Gamma-Ray Bursts in IceCube Data. <i>Astrophysical Journal</i> , 2017 , 843, 112	4.7	77
788	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	77
787	An upper limit to the photon fraction in cosmic rays above 1019eV from the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2007 , 27, 155-168	2.4	77
786	The IceCube realtime alert system. <i>Astroparticle Physics</i> , 2017 , 92, 30-41	2.4	76
785	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
784	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
783	The physics programme of the MoEDAL experiment at the LHC. <i>International Journal of Modern Physics A</i> , 2014 , 29, 1430050	1.2	75
782	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	74
781	Searches for invisible decays of the Higgs boson in pp collisions at $(\sqrt{s}) = 7, 8,$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	74
780	OBSERVATION OF COSMIC-RAY ANISOTROPY WITH THE ICETOP AIR SHOWER ARRAY. <i>Astrophysical Journal</i> , 2013 , 765, 55	4.7	74

779	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	73
778	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at ($\sqrt{s_{\mathrm{NN}}}$) = 2.76) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	73
777	A study of the effect of molecular and aerosol conditions in the atmosphere on air fluorescence measurements at the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2010 , 33, 108-129	2.4	73
776	Evidence for anisotropy of cosmic acceleration. <i>Astronomy and Astrophysics</i> , 2019 , 631, L13	5.1	73
775	Limits on neutrino emission from gamma-ray bursts with the 40 string IceCube detector. <i>Physical Review Letters</i> , 2011 , 106, 141101	7.4	72
774	Antennas for the detection of radio emission pulses from cosmic-ray induced air showers at the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2012 , 7, P10011-P10011	1	72
773	Predictions for high energy neutrino cross-sections from the ZEUS global PDF fits. <i>Journal of High Energy Physics</i> , 2008 , 2008, 075-075	5.4	72
772	Study of the production of charged pions, kaons, and protons in pPb collisions at [Formula: see text]5.02[Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 2847	4.2	71
771	Low-scale inflation. <i>Nuclear Physics B</i> , 2001 , 608, 423-450	2.8	71
770	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	70
769	Measurement of the single-top-quark t-channel cross section in pp collisions at (\sqrt{s}) = 7) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	70
768	Measurement of the underlying event activity at the LHC with ($\sqrt{s} = 7$) TeV and comparison with ($\sqrt{s} = 0.9$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	70
767	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at (\sqrt{s}) = 8) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	69
766	AMS-02 data confront acceleration of cosmic ray secondaries in nearby sources. <i>Physical Review D</i> , 2014 , 90,	4.9	69
765	J/ψ and $\psi(2S)$ production in pp collisions at ($\sqrt{s} = 7$ {text{TeV}}). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	69
764	Search for dark matter from the Galactic halo with the IceCube Neutrino Telescope. <i>Physical Review D</i> , 2011 , 84,	4.9	69
763	SEARCH FOR MUON NEUTRINOS FROM GAMMA-RAY BURSTS WITH THE IceCube NEUTRINO TELESCOPE. <i>Astrophysical Journal</i> , 2010 , 710, 346-359	4.7	69
762	Evading the cosmological domain wall problem. <i>Physical Review D</i> , 1997 , 55, 5129-5135	4.9	69

761	Search for Ultra-High-Energy Neutrinos with AMANDA-II. <i>Astrophysical Journal</i> , 2008 , 675, 1014-1024	4.7	69
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451	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two μ leptons and two jets in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	18
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449	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	18
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