Juan Jose Gomez Cadenas

List of Publications by Year
in descending order

241 papers	28,475 citations	47409 49 h-index	5873 166 g-index
244 all docs	244 docs citations	244 times ranked	19609 citing authors

#	Article	IF	Citations
1	Measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Xe</mml:mi><mml:mprescripts /><mml:none /><mml:mn>136</mml:mn></mml:mmultiscripts></mml:math> two-neutrino double-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math> -decay half-life via direct background subtraction in NEXT. Physical Review C, 2022, 105, .	1.1	10
2	Bicolour fluorescent molecular sensors for cations: design and experimental validation. Physical Chemistry Chemical Physics, 2021, 23, 15440-15457.	1.3	6
3	Boosting background suppression in the NEXT experiment through Richardson-Lucy deconvolution. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
4	Sensitivity of a tonne-scale NEXT detector for neutrinoless double-beta decay searches. Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
5	Fluorescent bicolour sensor for low-background neutrinoless double Î² decay experiments. Nature, 2020, 583, 48-54.	13.7	23
6	Mitigation of backgrounds from cosmogenic ¹³⁷Xe in xenon gas experiments using ³He neutron capture. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 075001.	1.4	9
7	Low-diffusion Xe-He gas mixtures for rare-event detection: electroluminescence yield. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
8	Coherent elastic neutrino-nucleus scattering at the European Spallation Source. Journal of High Energy Physics, 2020, 2020, 1.	1.6	48
9	Electroluminescence TPCs at the thermal diffusion limit. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
10	The electronics of the energy plane of the NEXT-White detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 917, 68-76.	0.7	3
11	Energy calibration of the NEXT-White detector with 1% resolution near QÎ²Î² of 136Xe. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
12	High Pressure Gas Xenon TPCs for Double Beta Decay Searches. Frontiers in Physics, 2019, 7, .	1.0	12
13	Radiogenic backgrounds in the NEXT double beta decay experiment. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
14	Demonstration of the event identification capabilities of the NEXT-White detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
15	Demonstration of Single-Barium-Ion Sensitivity for Neutrinoless Double-Beta Decay Using Single-Molecule Fluorescence Imaging. Physical Review Letters, 2018, 120, 132504.	2.9	40
16	Microscopic simulation of xenon-based optical TPCs in the presence of molecular additives. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 877, 157-172.	0.7	18
17	Measurement of radon-induced backgrounds in the NEXT double beta decay experiment. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
18	Electron drift properties in high pressure gaseous xenon. Journal of Instrumentation, 2018, 13, P07013-P07013.	0.5	10

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19	High voltage insulation and gas absorption of polymers in high pressure argon and xenon gases. Journal of Instrumentation, 2018, 13, P10002-P10002.	0.5	8
20	Calibration of the NEXT-White detector using ^{83m}Kr decays. Journal of Instrumentation, 2018, 13, P10014-P10014.	0.5	20
21	Initial results on energy resolution of the NEXT-White detector. Journal of Instrumentation, 2018, 13, P10020-P10020.	0.5	11
22	Heliumâ€“Xenon mixtures to improve the topological signature in high pressure gas xenon TPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 905, 82-90.	0.7	17
23	Study of the loss of xenon scintillation in xenon-trimethylamine mixtures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 905, 22-28.	0.7	4
24	Monte Carlo study of the coincidence resolving time of a liquid xenon PET scanner, using Cherenkov radiation. Journal of Instrumentation, 2017, 12, P08023-P08023.	0.5	6
25	Radiopurity assessment of the energy readout for the NEXT double beta decay experiment. Journal of Instrumentation, 2017, 12, T08003-T08003.	0.5	15
26	Secondary scintillation yield of xenon with sub-percent levels of CO2 additive for rare-event detection. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 663-671.	1.5	13
27	Background rejection in NEXT using deep neural networks. Journal of Instrumentation, 2017, 12, T01004-T01004.	0.5	43
28	Application and performance of an ML-EM algorithm in NEXT. Journal of Instrumentation, 2017, 12, P08009-P08009.	0.5	8
29	An homeopathic cure to pure Xenon large diffusion. Journal of Instrumentation, 2016, 11, C02007-C02007.	0.5	10
30	Measurement of very low (Î±,n) cross sections of astrophysical interest. Journal of Physics: Conference Series, 2016, 665, 012031.	0.3	1
31	Application of scintillating properties of liquid xenon and silicon photomultiplier technology to medical imaging. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 118, 6-13.	1.5	3
32	The NEXT experiment. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1732-1739.	0.2	5
33	Results of the material screening program of the NEXT experiment. Nuclear and Particle Physics Proceedings, 2016, 273-275, 2666-2668.	0.2	4
34	Backgrounds and sensitivity of the NEXT double beta decay experiment. Nuclear and Particle Physics Proceedings, 2016, 273-275, 2612-2614.	0.2	3
35	Conditions for statistical determination of the neutrino mass spectrum in radiative emission of neutrino pairs in atoms. Physical Review D, 2016, 93, .	1.6	17
36	Sensitivity of NEXT-100 to neutrinoless double beta decay. Journal of High Energy Physics, 2016, 2016, 1.	1.6	85

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37	A novel technique to achieve atomic macro-coherence as a tool to determine the nature of neutrinos. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	4
38	Investigation of the coincidence resolving time performance of a PET scanner based on liquid xenon: a Monte Carlo study. Journal of Instrumentation, 2016, 11, P09011-P09011.	0.5	10
39	First proof of topological signature in the high pressure xenon gas TPC with electroluminescence amplification for the NEXT experiment. Journal of High Energy Physics, 2016, 2016, 1.	1.6	40
40	Improved background rejection in neutrinoless double beta decay experiments using a magnetic field in a high pressure xenon TPC. Journal of Instrumentation, 2015, 10, P12020-P12020.	0.5	1
41	Radon and material radiopurity assessment for the NEXT double beta decay experiment. AIP Conference Proceedings, 2015, , .	0.3	10
42	Ionization and scintillation of nuclear recoils in gaseous xenon. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 793, 62-74.	0.7	12
43	An improved measurement of electron-ion recombination in high-pressure xenon gas. Journal of Instrumentation, 2015, 10, P03025-P03025.	0.5	9
44	Radiopurity assessment of the tracking readout for the NEXT double beta decay experiment. Journal of Instrumentation, 2015, 10, P05006-P05006.	0.5	20
45	Accurate Î³ and MeV-electron track reconstruction with an ultra-low diffusion Xenon/TMA TPC at 10 atm. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 804, 8-24.	0.7	29
46	Present Status and Future Perspectives of the NEXT Experiment. Advances in High Energy Physics, 2014, 2014, 1-22.	0.5	46
47	Description and commissioning of NEXT-MM prototype: first results from operation in a Xenon-Trimethylamine gas mixture. Journal of Instrumentation, 2014, 9, P03010-P03010.	0.5	13
48	Characterisation of NEXT-DEMO using xenon KÎ±X-rays. Journal of Instrumentation, 2014, 9, P10007-P10007.	0.5	22
49	Measurement of the intrinsic electron neutrino component in the T2K neutrino beam with the ND280 detector. Physical Review D, 2014, 89, .	1.6	26
50	Measurement of the neutrino-oxygen neutral-current interaction cross section by observing nuclear deexcitation<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î³</mml:mi></mml:mrow></mml:math>rays. Physical Review D, 2014, 90, .	1.6	20
51	Light sterile neutrino sensitivity at the nuSTORM facility. Physical Review D, 2014, 89, .	1.6	28
52	Observation of Electron Neutrino Appearance in a Muon Neutrino Beam. Physical Review Letters, 2014, 112, 061802.	2.9	369
53	Recent Results from the T2K Experiment. Nuclear Physics, Section B, Proceedings Supplements, 2014, 246-247, 23-28.	0.5	2
54	Characterization of a medium size Xe/TMA TPC instrumented with microbulk Micromegas, using low-energy Î³-rays. Journal of Instrumentation, 2014, 9, C04015-C04015.	0.5	17

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55	A precision measurement of charm dimuon production in neutrino interactions from the NOMAD experiment. Nuclear Physics B, 2013, 876, 339-375.	0.9	59
56	T2K neutrino flux prediction. Physical Review D, 2013, 87, .	1.6	165
57	Measurement of the inclusive<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Î½</mml:mi><mml:mi>Î¼</mml:mi></mml:msub></mml:math>charged current cross section on carbon in the near detector of the T2K experiment. Physical Review D, 2013, 87, .	1.6	94
58	Measurement of Neutrino Oscillation Parameters from Muon Neutrino Disappearance with an Off-Axis Beam. Physical Review Letters, 2013, 111, 211803.	2.9	79
59	Ionization and scintillation response of high-pressure xenon gas to alpha particles. Journal of Instrumentation, 2013, 8, P05025-P05025.	0.5	21
60	Near-intrinsic energy resolution for 30â€“662keV gamma rays in a high pressure xenon electroluminescent TPC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 708, 101-114.	0.7	52
61	Radiopurity control in the NEXT-100 double beta decay experiment: procedures and initial measurements. Journal of Instrumentation, 2013, 8, T01002-T01002.	0.5	22
62	Discovery potential of xenon-based neutrinoless double beta decay experiments in light of small angular scale CMB observations. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 043-043.	1.9	6
63	Evidence of electron neutrino appearance in a muon neutrino beam. Physical Review D, 2013, 88, .	1.6	116
64	Initial results of NEXT-DEMO, a large-scale prototype of the NEXT-100 experiment. Journal of Instrumentation, 2013, 8, P04002-P04002.	0.5	35
65	Design and characterization of the SiPM tracking system of NEXT-DEMO, a demonstrator prototype of the NEXT-100 experiment. Journal of Instrumentation, 2013, 8, T05002-T05002.	0.5	7
66	Operation and first results of the NEXT-DEMO prototype using a silicon photomultiplier tracking array. Journal of Instrumentation, 2013, 8, P09011-P09011.	0.5	31
67	Radiopurity control in the NEXT-100 double beta decay experiment. , 2013, , .		8
68	Status and physics potential of NEXT-100. Journal of Physics: Conference Series, 2013, 460, 012010.	0.3	8
69	Publisherâ€™s Note: T2K neutrino flux prediction [Phys. Rev. D87, 012001 (2013)]. Physical Review D, 2013, 87, .	1.6	40
70	High intensity neutrino oscillation facilities in Europe. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	25
71	Toroidal magnetized iron neutrino detector for a neutrino factory. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	6
72	GraXe, graphene and xenon for neutrinoless double beta decay searches. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 037-037.	1.9	4

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73	NEXT-100 Technical Design Report (TDR). Executive summary. Journal of Instrumentation, 2012, 7, T06001-T06001.	0.5	62
74	Dual baseline search for muon antineutrino disappearance at0.1â€‰â€‰eV2<Î”m2<100â€‰â€‰eV2. Physical Review D, 2012, 86, .	1.6	64
75	Golden channel at a neutrino factory revisited: Improved sensitivities from a magnetized iron neutrino detector. Physical Review D, 2012, 86, .	1.6	13
76	First muon-neutrino disappearance study with an off-axis beam. Physical Review D, 2012, 85, .	1.6	77
77	Dual baseline search for muon neutrino disappearance at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>0.5</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:msup><mml:mi>eV</mml:mi> Physical Review D, 2012, 85, .	1.6	71
78	Mass production automated test system for the NEXT SiPM tracking plane. , 2012, , .		2
79	SiPMs coated with TPB: coating protocol and characterization for NEXT. Journal of Instrumentation, 2012, 7, P02010-P02010.	0.5	13
80	NEXT, high-pressure xenon gas experiments for ultimate sensitivity to Majorana neutrinos. Journal of Instrumentation, 2012, 7, C11007-C11007.	0.5	9
81	The trigger system in the NEXT-DEMO detector. Journal of Instrumentation, 2012, 7, C12001-C12001.	0.5	5
82	Front-end electronics for accurate energy measurement of double beta decays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 695, 407-409.	0.7	1
83	Measurements of the T2K neutrino beam properties using the INGRID on-axis near detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 694, 211-223.	0.7	86
84	The Nuclear Environmentalist. , 2012, , .		1
85	A search for single photon events in neutrino interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 706, 268-275.	1.5	26
86	THE NEXT EXPERIMENT AT THE LSC. Astroparticle, Particle, Space Physics, Radiation Interaction, Detectors and Medical Physics Applications, 2012, , 377-382.	0.1	0
87	Measurement of inclusive charged current interactions on carbon in a few-GeV neutrino beam. Physical Review D, 2011, 83, .	1.6	81
88	Energy resolution studies for NEXT. Journal of Instrumentation, 2011, 6, P05007-P05007.	0.5	8
89	The T2K experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 659, 106-135.	0.7	585
90	The Ï„-contamination of the golden muon sample at the Neutrino Factory. Journal of High Energy Physics, 2011, 2011, 1.	1.6	14

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91	Sense and sensitivity of double beta decay experiments. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 007-007.	1.9	50
92	Indication of Electron Neutrino Appearance from an Accelerator-Produced Off-Axis Muon Neutrino Beam. Physical Review Letters, 2011, 107, 041801.	2.9	1,054
93	Measurement of inclusive<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>Ï€</mml:mi><mml:mn>0</mml:mn></mml:msup></mml:math>production in the charged-current interactions of neutrinos in a 1.3-GeV wide band beam. Physical Review D, 2011, 83, .	1.6	13
94	Measurement ofK+production cross section by 8ÂGeV protons using high-energy neutrino interactions in the SciBooNE detector. Physical Review D, 2011, 84, .	1.6	17
95	Programmable power supply system for SiPM bias. , 2011, , .		7
96	Addendum: Primary and secondary scintillation measurements in a Xenon Gas Proportional Scintillation Counter. Journal of Instrumentation, 2010, 5, A12001-A12001.	0.5	3
97	Secondary scintillation yield in high-pressure xenon gas for neutrinoless double beta decay <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mo stretchy="false">(</mml:mo><mml:mn>0</mml:mn><mml:mi>Î½</mml:mi><mml:mi>Î²</mml:mi><mml:mi>Î²</mml:mi><mml:mo	1.5	22
98	NEXT: Neutrino Experiment with high pressure Xenon gas TPC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 617, 520-522.	0.7	7
99	Primary and secondary scintillation measurements in a Xenon Gas Proportional Scintillation Counter. Journal of Instrumentation, 2010, 5, P09006-P09006.	0.5	22
100	Measurements of forward proton production with incident protons and charged pions on nuclear targets at the CERN Proton Synchroton. Physical Review C, 2010, 82, .	1.1	4
101	Measurement of inclusive neutral current<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>Ï€</mml:mi><mml:mn>0</mml:mn></mml:msup></mml:math>production on carbon in a few-GeV neutrino beam. Physical Review D, 2010, 81, .	1.6	33
102	Improved measurement of neutral current coherent<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>Ï€</mml:mi><mml:mn>0</mml:mn></mml:msup></mml:math>production on carbon in a few-GeV neutrino beam. Physical Review D, 2010, 81, .	1.6	33
103	Comparison of large-angle production of charged pions with incident protons on cylindrical long and short targets. Physical Review C, 2009, 80, .	1.1	6
104	Large-angle production of charged pions with incident pion beams on nuclear targets. Physical Review C, 2009, 80, .	1.1	14
105	Forward production of charged pions with incident protons on nuclear targets at the CERN Proton Synchrotron. Physical Review C, 2009, 80, .	1.1	18
106	Physics at a future Neutrino Factory and super-beam facility. Reports on Progress in Physics, 2009, 72, 106201.	8.1	174
107	Forward production of charged pions with incident <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mi>Ï€</mml:mi><mml:mo>Â±</mml:mo></mml:msup></mml:math> on nuclear targets measured at the CERN PS. Nuclear Physics A, 2009, 821, 118-192.	0.6	16
108	A measurement of coherent neutral pion production in neutrino neutral current interactions in the NOMAD experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 682, 177-184.	1.5	29

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109	A study of quasi-elastic muon neutrino and antineutrino scattering in the NOMAD experiment. European Physical Journal C, 2009, 63, 355-381.	1.4	193
110	The NEXT experiment. Journal of Physics: Conference Series, 2009, 179, 012005.	0.3	10
111	International Scoping Study (ISS) for a future neutrino factory and Super-Beam facility. Detectors and flux instrumentation for future neutrino facilities. Journal of Instrumentation, 2009, 4, T05001-T05001.	0.5	36
112	The NEXT generation of neutrinoless double beta decay experiments. Journal of Physics: Conference Series, 2009, 171, 012068.	0.3	2
113	A precise measurement of the muon neutrinoâ€“nucleon inclusive charged current cross section off an isoscalar target in the energy range <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mn>2.5</mml:mn><mml:mo><</mml:mo><mml:msub><mml:mi>E</mml:mi><mml:mi>ν</mml:mi></mml:msub><mml:mo><</mml:mo><mml:mn>40</mml:mn></mml:math> GeV/<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mi>c</mml:mi></mml:math>2 by NOMAD. Physics Letters, Section B: Nuclear, Elementary Particle and	1.5	73
114	Measurement of the production cross-sections of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si279.gif" overflow="scroll"><mml:mrow><mml:msup><mml:mrow><mml:mi mathvariant="normal">Ï€</mml:mi></mml:mrow><mml:mrow><mml:mo>Â±</mml:mo></mml:mrow></mml:msup></mml:mrow></mm in pâ€“C and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si280.gif" overflow="scroll"><mml:mrow><mml:msup><mml:mrow><mml:mi mathvariant="normal">Ï€</mml:mi>	1.9	24
115	Forward Ï€Â± production in pâ€“O2 and pâ€“N2 interactions at 12GeV/c. Astroparticle Physics, 2008, 30, 124-132.	1.9	11
116	Large-angle production of charged pions by 3â€‰GeV/câ€“12â€‰GeV/c protons on carbon, copper and tin targets. European Physical Journal C, 2008, 53, 177-204.	1.4	22
117	Large-angle production of charged pions by 3-12.9â€‰GeV/c protons on beryllium, aluminium and lead targets. European Physical Journal C, 2008, 54, 37-60.	1.4	22
118	Experimental study of the atmospheric neutrino backgrounds forpâ†’e+Ï€0searches in water Cherenkov detectors. Physical Review D, 2008, 77, .	1.6	9
119	Measurement of single charged pion production in the charged-current interactions of neutrinos in a 1.3ÂGeV wide band beam. Physical Review D, 2008, 78, .	1.6	39
120	Large-angle production of charged pions with 3â€“12.9 GeV/<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>c</mml:mi></mml:mrow></mml:math>incident protons on nuclear targets. Physical Review C, 2008, 77, .	1.1	44
121	Search for charged current coherent pion production on carbon in a few-GeV neutrino beam. Physical Review D, 2008, 78, .	1.6	72
122	NEXT, a HPXe TPC for neutrinoless double beta decay searches. Journal of Physics: Conference Series, 2008, 136, 042048.	0.3	8
123	The HARP detector at the CERN PS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 571, 527-561.	0.7	54
124	Search for the exotic Î˜+ resonance in the NOMAD experiment. European Physical Journal C, 2007, 49, 499-510.	1.4	8
125	Measurement of the production of charged pions by protons on a tantalum target. European Physical Journal C, 2007, 51, 787-824.	1.4	28
126	Measurement of the production cross-section of positive pions in the collision of 8.9 GeV/c protons on beryllium. European Physical Journal C, 2007, 52, 29-53.	1.4	73

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127	Particle identification algorithms for the HARP forward spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 899-921.	0.7	12
128	Measurement of neutrino oscillation by the K2K experiment. Physical Review D, 2006, 74, .	1.6	498
129	Measurement of the quasielastic axial vector mass in neutrino interactions on oxygen. Physical Review D, 2006, 74, .	1.6	143
130	Measurement of the production cross-section of positive pions in pâ€“Al collisions at. Nuclear Physics B, 2006, 732, 1-45.	0.9	63
131	Production properties of $K^star(892)^pm$ vector mesons and their spin alignment as measured in the NOMAD experiment. European Physical Journal C, 2006, 46, 69-79.	1.4	8
132	Improved Search forÎ½Î¼â†'Î½eOscillation in a Long-Baseline Accelerator Experiment. Physical Review Letters, 2006, 96, 181801.	2.9	45
133	Initial results from the HARP experiment at CERN. Nuclear Physics, Section B, Proceedings Supplements, 2005, 143, 291-296.	0.5	1
134	Neutrino oscillation physics with a higher Î³ Î²-beam. Nuclear Physics, Section B, Proceedings Supplements, 2005, 145, 161-165.	0.5	1
135	Search for Coherent Charged Pion Production in Neutrino-Carbon Interactions. Physical Review Letters, 2005, 95, 252301.	2.9	106
136	Design, construction, and initial performance of SciBar detector in K2K experiment. IEEE Transactions on Nuclear Science, 2005, 52, 2992-2997.	1.2	7
137	Optimal Î²-beam at the CERN-SPS. Nuclear Physics B, 2005, 725, 306-326.	0.9	84
138	Evidence for Muon Neutrino Oscillation in an Accelerator-Based Experiment. Physical Review Letters, 2005, 94, 081802.	2.9	375
139	b-tagging in DELPHI at LEP. European Physical Journal C, 2004, 32, 185-208.	1.4	53
140	â€œRecPackâ€•a reconstruction toolkit. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 534, 180-183.	0.7	24
141	Boseâ€“Einstein correlations in charged current muonâ€“neutrino interactions in the NOMAD experiment at CERN. Nuclear Physics B, 2004, 686, 3-28.	0.9	3
142	Neutrino oscillation physics with a higher-Î³ Î²-beam. Nuclear Physics B, 2004, 695, 217-240.	0.9	108
143	A study of strange particles produced in neutrino neutral current interactions in the NOMAD experiment. Nuclear Physics B, 2004, 700, 51-68.	0.9	8
144	Search for Î½Î¼â†'Î½e oscillations in the NOMAD experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 570, 19-31.	1.5	163

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145	Prediction of neutrino fluxes in the NOMAD experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 515, 800-828.	0.7	49
146	Superbeam studies at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 503, 173-178.	0.7	13
147	Performance of the NOMAD-STAR detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 506, 217-237.	0.7	6
148	Geant4â€"a simulation toolkit. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 506, 250-303.	0.7	17,893
149	PHYSICSOPPORTUNITIES ATNEUTRINOFACTORIES. Annual Review of Nuclear and Particle Science, 2002, 52, 253-302.	3.5	22
150	Kalman filter tracking and vertexing in a silicon detector for neutrino physics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 486, 639-662.	0.7	7
151	Study of Dâ¯...+ production in Î½Î¼ charged current interactions in the NOMAD experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 526, 278-286.	1.5	16
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153	Measurement of the polarization in Î½Î¼ charged current interactions in the NOMAD experiment. Nuclear Physics B, 2001, 605, 3-14.	0.9	36
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