Joshua Spitz

List of Publications by Year
in descending order

110 papers	6,652 citations	76326 40 h-index	62596 80 g-index
111 all docs	111 docs citations	111 times ranked	2725 citing authors

#	Article	IF	Citations
1	Indication of Reactor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mi>e</mml:mi></mml:msub></mml:math>Disappearance in the Double Chooz Experiment. Physical Review Letters, 2012, 108, 131801.	7.8	979
2	Improved Search for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mi>Î¼</mml:mi></mml:msub></mml:math>→<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mi>e</mml:mi></mml:msub></mml:math>Oscillation Event Excess in the MiniBooNE Search for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mi>Î¼</mml:mi></mml:msub></mml:math>→<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mi>e</mml:mi></mml:msub></mml:math>Oscillations. Physical Review Letters, 2013, 110, 161801.	7.8	481
3	Event Excess in the MiniBooNE Search for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mi>Î¼</mml:mi></mml:msub></mml:math>→<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mi>e</mml:mi></mml:msub></mml:math>Oscillations: New Results with Improved Neutrino Energy Reconstruction. Physical Review Letters, 2018, 121, 221801.	7.8	381
4	First measurement of the muon neutrino charged current quasielastic double differential cross section. Physical Review D, 2010, 81, .	4.7	341
5	Significant Excess of Electronlike Events in the MiniBooNE Short-Baseline Neutrino Experiment. Physical Review Letters, 2018, 121, 221801.	7.8	335
6	Reactor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mi>e</mml:mi></mml:msub></mml:math>disappearance in the Double Chooz experiment. Physical Review D, 2012, 86, .	4.7	275
7	Design and construction of the MicroBooNE detector. Journal of Instrumentation, 2017, 12, P02017-P02017.	1.2	215
8	Improved measurements of the neutrino mixing angle Î¸13 with the Double Chooz detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	181
9	First measurement of the muon antineutrino double-differential charged-current quasielastic cross section. Physical Review D, 2013, 88, .	4.7	137
10	Measurement of the neutrino neutral-current elastic differential cross section on mineral oil at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>E</mml:mi><mml:mi>Î½</mml:mi></mml:msub><mml:mo>âˆ¼</mml:mo><mml:mn>1</mml:mn></mml:math>GeV. Physical Review D, 2010, 82, .	4.7	122
11	Measurement of neutrino-induced charged-current charged pion production cross sections on mineral oil at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>E</mml:mi><mml:mi>Î½</mml:mi></mml:msub><mml:mo>âˆ¼</mml:mo><mml:mn>1</mml:mn></mml:math>GeV. Physical Review D, 2011, 83, .	4.7	122
12	Sterile Neutrino Fits to Short-Baseline Neutrino Oscillation Measurements. Advances in High Energy Physics, 2013, 2013, 1-26.	1.1	122
13	The ArgoNeuT detector in the NuMI low-energy beam line at Fermilab. Journal of Instrumentation, 2012, 7, P10019-P10019.	1.2	96
14	Long-baseline neutrino oscillation physics potential of the DUNE experiment. European Physical Journal C, 2020, 80, 1.	3.9	93
15	First measurement of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Î¸</mml:mi></mml:mrow><mml:mrow><mml:mn>13</mml:mn></mml:mrow></mml:msub></mml:math> from delayed neutron capture on hydrogen in the Double Chooz experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 66-70.	4.1	84
16	Search for Electron Antineutrino Appearance at the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î”</mml:mi><mml:msup><mml:mi>m</mml:mi><mml:mn>2</mml:mn></mml:msup><mml:mo>â‰ˆ</mml:mo></mml:math>1 eV² Scale with the MINOS and Daya Bay Experiments. Physical Review Letters, 2009, 103, 111801.	7.8	82
17	Measurement of<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>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mi>Î¼</mml:mi></mml:msub></mml:math>induced charged-current neutral pion production cross sections on mineral oil at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>E</mml:mi><mml:mi>Î½</mml:mi></mml:msub><mml:mo>â‰¤</mml:mo><mml:mn>0.5</mml:mn></mml:math>GeV. Physical Review D, 2011, 83, .	4.7	81

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19	Proposal for an Electron Antineutrino Disappearance Search Using High-Rate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Li</mml:mi><mml:mprescripts /><mml:none /><mml:mn>8</mml:mn></mml:mmultiscripts></mml:math>Production and Decay. Physical Review Letters, 2012, 109, 141802.	7.8	81
20	Updated MiniBooNE neutrino oscillation results with increased data and new background studies. Physical Review D, 2021, 103, .	4.7	81
21	First Measurements of Inclusive Muon Neutrino Charged Current Differential Cross Sections on Argon. Physical Review Letters, 2012, 108, 161802.	7.8	75
22	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</ Physical Review D, 2012, 85, .	4.7	71
23	The Pandora multi-algorithm approach to automated pattern recognition of cosmic-ray muon and neutrino events in the MicroBooNE detector. European Physical Journal C, 2018, 78, 82.	3.9	71
24	Prospects for beyond the Standard Model physics searches at the Deep Underground Neutrino Experiment. European Physical Journal C, 2021, 81, 322.	3.9	69
25	Dual baseline search for muon antineutrino disappearance at0.1â€‰â€‰eV2<Î”m2<100â€‰â€‰eV2. Physical Review D, 2012, 86, .	4.7	64
26	A study of electron recombination using highly ionizing particles in the ArgoNeuT Liquid Argon TPC. Journal of Instrumentation, 2013, 8, P08005-P08005.	1.2	63
27	Noise Characterization and Filtering in the MicroBooNE Liquid Argon TPC. Journal of Instrumentation, 2017, 12, P08003-P08003.	1.2	61
28	Ionization electron signal processing in single phase LArTPCs. Part I. Algorithm Description and quantitative evaluation with MicroBooNE simulation. Journal of Instrumentation, 2018, 13, P07006-P07006.	1.2	59
29	Detection of back-to-back proton pairs in charged-current neutrino interactions with the ArgoNeuT detector in the NuMI low energy beam line. Physical Review D, 2014, 90, .	4.7	57
30	First Measurement of Inclusive Muon Neutrino Charged Current Differential Cross Sections on Argon at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>E</mml:mi><mml:mi>Î½</mml:mi></mml:msub><mml:mo>â^¼</mml:mo><mml:mn>0.8</mml:mn><mm with the MicroBooNE Detector. Physical Review Letters, 2019, 123, 131801.	7.8	53
31	Measuring active-to-sterile neutrino oscillations with neutral current coherent neutrino-nucleus scattering. Physical Review D, 2012, 86, .	4.7	52
32	Test of Lorentz and CPT violation with short baseline neutrino oscillation excesses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 1303-1308.	4.1	52
33	Search for Muon Neutrino and Antineutrino Disappearance in MiniBooNE. Physical Review Letters, 2009, 103, 061802.	7.8	49
34	Measurements of inclusive muon neutrino and antineutrino charged current differential cross sections on argon in the NuMI antineutrino beam. Physical Review D, 2014, 89, .	4.7	46
35	Measurement of Î¸ 13 in Double Chooz using neutron captures on hydrogen with novel background rejection techniques. Journal of High Energy Physics, 2016, 2016, 1.	4.7	46
36	Improved Limits on Millicharged Particles Using the ArgoNeuT Experiment at Fermilab. Physical Review Letters, 2020, 124, 131801.	7.8	46

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37	Demonstration of MeV-scale physics in liquid argon time projection chambers using ArgoNeuT. Physical Review D, 2019, 99, .	4.7	45
38	Measurement of the Ratio of the<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 Single-Pion Production to Quasielastic Scattering with a 0.8ÂGeV Neutrino Beam on Mineral Oil. Physical Review Letters, 2009, 103, 081801.	7.8	44
39	First test of Lorentz violation with a reactor-based antineutrino experiment. Physical Review D, 2012, 86, .	4.7	41
40	Background-independent measurement of <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevie. Physics	4.1	34
41	Calibration of the charge and energy loss per unit length of the MicroBooNE liquid argon time projection chamber using muons and protons. Journal of Instrumentation, 2020, 15, P03022-P03022.	1.2	34
42	First Measurement of Differential Charged Current Quasielasticlike <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> -Argon Scattering Cross Sections with the MicroBooNE Detector. Physical Review Letters, 2020, 125, 201803.	7.8	34
43	Atmospheric tau neutrinos in a multikiloton liquid argon detector. Physical Review D, 2010, 82, .	4.7	33
44	Coherent neutrino scattering in dark matter detectors. Physical Review D, 2011, 84, .	4.7	33
45	First observation of low energy electron neutrinos in a liquid argon time projection chamber. Physical Review D, 2017, 95, .	4.7	33
46	Michel electron reconstruction using cosmic-ray data from the MicroBooNE LArTPC. Journal of Instrumentation, 2017, 12, P09014-P09014.	1.2	33
47	Measurement of space charge effects in the MicroBooNE LArTPC using cosmic muons. Journal of Instrumentation, 2020, 15, P12037-P12037.	1.2	33
48	Signatures of pseudo-Dirac dark matter at high-intensity neutrino experiments. Physical Review D, 2018, 98, .	4.7	33
49	Search for an Excess of Electron Neutrino Interactions in MicroBooNE Using Multiple Final-State Topologies. Physical Review Letters, 2022, 128, .	7.8	32
50	Measurement of the antineutrino neutral-current elastic differential cross section. Physical Review D, 2015, 91, .	4.7	31
51	Search for neutrinoâ€“antineutrino oscillations with a reactor experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 412-416.	4.1	30
52	Measurement of differential cross sections for <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> -Ar charged-current interactions with protons and no pions in the final state with the MicroBooNE detector. Physical Review D, 2020, 102, .	4.7	30
53	Search for heavy neutral leptons decaying into muon-pion pairs in the MicroBooNE detector. Physical Review D, 2020, 101, .	4.7	28
54	Measurement of the neutrino component of an antineutrino beam observed by a nonmagnetized detector. Physical Review D, 2011, 84, .	4.7	27

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55	Determination of muon momentum in the MicroBooNE LArTPC using an improved model of multiple Coulomb scattering. Journal of Instrumentation, 2017, 12, P10010-P10010.	1.2	26
56	First Measurement of Neutrino and Antineutrino Coherent Charged Pion Production on Argon. Physical Review Letters, 2014, 113, 261801.	7.8	25
57	First Measurement of Monoenergetic Muon Neutrino Charged Current Interactions. Physical Review Letters, 2018, 120, 141802.	7.8	25
58	Precision<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mover accent="true"><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mo accent="true" stretchy="false">Â¯</mml:mo></mml:mover></mml:mrow><mml:mrow><mml:mi>e</mml:mi></mml:mrow></mml:msub> scattering measurements with IsoDAR to search for new physics. Physical Review D, 2014, 89, .	4.7	24
59	First measurement of Î½Î¼ charged-current Ï€0 production on argon with the MicroBooNE detector. Physical Review D, 2019, 99, .	4.7	24
60	Severe Constraints on New Physics Explanations of the MiniBooNE Excess. Physical Review Letters, 2019, 122, 081801.	7.8	22
61	Search for Neutrino-Induced Neutral-Current <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="normal">Î”</mml:mi></mml:math> Radiative Decay in MicroBooNE and a First Test of the MiniBooNE Low Energy Excess under a Single-Photon Hypothesis. Physical Review Letters, 2022, 128, 111801.	7.8	22
62	Direct measurement of backgrounds using reactor-off data in Double Chooz. Physical Review D, 2013, 87, .	4.7	21
63	Reconstruction and measurement of ?(100) MeV energy electromagnetic activity from Ï€0 arrow Î³Î³ decays in the MicroBooNE LArTPC. Journal of Instrumentation, 2020, 15, P02007-P02007.	1.2	21
64	Measurement of the flux-averaged inclusive charged-current electron neutrino and antineutrino cross section on argon using the NuMI beam and the MicroBooNE detector. Physical Review D, 2021, 104, .	4.7	21
65	A regenerable filter for liquid argon purification. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 605, 306-311.	1.6	20
66	Design and construction of the MicroBooNE Cosmic Ray Tagger system. Journal of Instrumentation, 2019, 14, P04004-P04004.	1.2	20
67	Search for an anomalous excess of charged-current quasielastic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Î½</mml:mi><mml:mi>e</mml:mi></mml:msub></mml:math> First measurement of the cross section for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><mml:mi>Î¼</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mover accent="true"><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mo stretchy="false">Â¯</mml:mo></mml:mover></mml:mrow><mml:mrow><mml:mi>Î¼</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math> Semantic segmentation with a sparse convolutional neural network for event reconstruction in MicroBooNE. Physical Review D, 2021, 103, .	4.7	20
68	Deep-Learning-based reconstruction. Physical	4.7	19
69		4.7	19
70	Sterile neutrino search with kaon decay at rest. Physical Review D, 2012, 85, .	4.7	18
71	Analysis of a large sample of neutrino-induced muons with the ArgoNeuT detector. Journal of Instrumentation, 2012, 7, P10020-P10020.	1.2	18
72	New Constraints on Tau-Coupled Heavy Neutral Leptons with Masses <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>m</mml:mi></mml:mrow><mml:mrow><mml:mi>N</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math> Physical Review Letters, 2021, 127, 121801.	7.8	18

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73	New <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>CC</mml:mi><mml:mrow><mml:mn>0</mml:mn><mml:mi>Ï€</mml:mi></mml:mrow></mml:mrow></mml:math> GENIE model tune for MicroBooNE. Physical Review D, 2022, 105, .	4.7	18
74	Search for an anomalous excess of charged-current <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Î½</mml:mi><mml:mi>e</mml:mi></mml:msub></mml:math> interactions without pions in the final state with the MicroBooNE experiment. Physical Review D, 2022, 105, .	4.7	17
75	First measurement of electron neutrino scattering cross section on argon. Physical Review D, 2020, 102, .	4.7	16
76	The JSNS<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e376" altimg="si25.svg"><mml:msup><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msup></mml:math> detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1014, 165742.	1.6	16
77	Convolutional neural network for multiple particle identification in the MicroBooNE liquid argon time projection chamber. Physical Review D, 2021, 103, .	4.7	15
78	Neutrino physics opportunities with the IsoDAR source at Yemilab. Physical Review D, 2022, 105, .	4.7	15
79	Search for an anomalous excess of inclusive charged-current <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Î½</mml:mi><mml:mi>e</mml:mi></mml:msub></mml:math> interactions in the MicroBooNE experiment using Wire-Cell reconstruction. Physical Review D, 2022, 105, .	4.7	15
80	Cross section measurements with monoenergetic muon neutrinos. Physical Review D, 2014, 89, .	4.7	14
81	Annual modulation of cosmic relic neutrinos. Physical Review D, 2014, 90, .	4.7	14
82	Measurement of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><mml:mi>Î¼</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mover accent="true"><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><mml:mo stretchy="false">Â¯</mml:mo></mml:mrow></mml:mover></mml:mrow><mml:mrow><mml:mi>Î¼</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math> Modeling quasielastic interactions of monoenergetic kaon decay-at-rest neutrinos. Physical Review C, 2021, 103, .	4.7 2.9	14 14
84	Cosmic Ray Background Rejection with Wire-Cell LArTPC Event Reconstruction in the MicroBooNE Detector. Physical Review Applied, 2021, 15, .	3.8	14
85	Development and operational experience of magnetic horn system for T2K experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 789, 57-80.	1.6	12
86	Search for core-collapse supernovae using the MiniBooNE neutrino detector. Physical Review D, 2010, 81, .	4.7	11
87	Measurement of cosmic-ray reconstruction efficiencies in the MicroBooNE LArTPC using a small external cosmic-ray counter. Journal of Instrumentation, 2017, 12, P12030-P12030.	1.2	11
88	Measuring Changes in the Atmospheric Neutrino Rate over Gigayear Timescales. Physical Review Letters, 2020, 125, 231802.	7.8	11
89	Optimizing the 8Li yield for the IsoDAR Neutrino Experiment. Journal of Instrumentation, 2019, 14, P03001-P03001.	1.2	10
90	Calorimetric classification of track-like signatures in liquid argon TPCs using MicroBooNE data. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10

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91	Novel approach for evaluating detector-related uncertainties in a LArTPC using MicroBooNE data. European Physical Journal C, 2022, 82, .	3.9	10
92	Precision muon reconstruction in Double Chooz. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 764, 330-339.	1.6	9
93	Ortho-positronium observation in the Double Chooz experiment. Journal of High Energy Physics, 2014, 2014, 1.	4.7	8
94	Muon capture on light isotopes measured with the Double Chooz detector. Physical Review C, 2016, 93, .	2.9	8
95	Cyclotrons as Drivers for Precision Neutrino Measurements. Advances in High Energy Physics, 2014, 2014, 1-22.	1.1	7
96	Decisive disappearance search at high<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="normal">Î”</mml:mi><mml:msup><mml:mi>m</mml:mi><mml:mn>2</mml:mn></mml:msup></mml:math>with monoenergetic muon neutrinos. Physical Review D, 2015, 92, .	4.7	7
97	Rejecting cosmic background for exclusive charged current quasi elastic neutrino interaction studies with Liquid Argon TPCs; a case study with the MicroBooNE detector. European Physical Journal C, 2019, 79, 1.	3.9	7
98	Characterization of the spontaneous light emission of the PMTs used in the Double Chooz experiment. Journal of Instrumentation, 2016, 11, P08001-P08001.	1.2	6
99	Wire-cell 3D pattern recognition techniques for neutrino event reconstruction in large LArTPCs: algorithm description and quantitative evaluation with MicroBooNE simulation. Journal of Instrumentation, 2022, 17, P01037.	1.2	6
100	Future short-baseline sterile neutrino searches with accelerators. AIP Conference Proceedings, 2015, , .	0.4	5
101	Publisherâ€™s Note: First Measurement of Neutrino and Antineutrino Coherent Charged Pion Production on Argon [Phys. Rev. Lett.113, 261801 (2014)]. Physical Review Letters, 2015, 114, .	7.8	5
102	ArgoNeuT, a liquid argon time projection chamber in a low energy neutrino beam. Journal of Physics: Conference Series, 2010, 203, 012108.	0.4	4
103	RENAISSANCE OF THE ~1 TeV FIXED-TARGET PROGRAM. International Journal of Modern Physics A, 2010, 25, 777-813.	1.5	4
104	ArgoNeuT and the Neutrino-Argon Charged Current Quasi-Elastic Cross Section. Journal of Physics: Conference Series, 2011, 312, 072017.	0.4	4
105	Cosmic Ray Background Removal With Deep Neural Networks in SBND. Frontiers in Artificial Intelligence, 2021, 4, 649917.	3.4	4
106	A deep-learning based raw waveform region-of-interest finder for the liquid argon time projection chamber. Journal of Instrumentation, 2022, 17, P01018.	1.2	3
107	TESTING LORENTZ SYMMETRY WITH THE DOUBLE CHOOZ EXPERIMENT. , 2014, , 9-12.		2
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