

Alexandre Kozlov

List of Publications by Year in descending order

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citations

186265

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123424

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63
all docs

63
docs citations

63
times ranked

4979
citing authors

#	ARTICLE	IF	CITATIONS
1	First Results from KamLAND: Evidence for Reactor Antineutrino Disappearance. Physical Review Letters, 2003, 90, 021802.	7.8	2,142
2	Measurement of Neutrino Oscillation with KamLAND: Evidence of Spectral Distortion. Physical Review Letters, 2005, 94, 081801.	7.8	905
3	Precision Measurement of Neutrino Oscillation Parameters with KamLAND. Physical Review Letters, 2008, 100, 221803.	7.8	675
4	Search for Majorana Neutrinos Near the Inverted Mass Hierarchy Region with KamLAND-Zen. Physical Review Letters, 2016, 117, 082503.	7.8	672
5	Measurement of $G_{\text{Ep}}/G_{\text{Mp}}$ to $Q^2=5.6\text{GeV}^2$. Physical Review Letters, 2002, 88, 092301.	7.8	588
6	Experimental investigation of geologically produced antineutrinos with KamLAND. Nature, 2005, 436, 499-503.	27.8	343
7	Limit on Neutrinoless $\beta\beta$ Decay of ^{136}Xe from the First Phase of KamLAND-Zen and Comparison with the Positive Claim in ^{136}Xe with the KamLAND-Zen experiment. Physical Review Letters, 2012, 108, 151801.	7.8	343
8	Reactor on-off antineutrino measurement with KamLAND. Physical Review D, 2013, 88, .	4.7	225
9	Constraints on θ_{13} from a three-flavor oscillation analysis of reactor antineutrinos at KamLAND. Physical Review D, 2011, 83, .	4.7	221
10	Partial radiogenic heat model for Earth revealed by geoneutrino measurements. Nature Geoscience, 2011, 4, 647-651.	12.9	196
11	Measurement of the double $\beta\beta$ decay half-life of ^{136}Xe with the KamLAND-Zen experiment. Physical Review C, 2012, 85, .	2.9	167
12	Production of radioactive isotopes through cosmic muon spallation in KamLAND. Physical Review C, 2010, 81, .	2.9	132
13	High Sensitivity Search for ^{136}Xe from the Sun and Other Sources at KamLAND. Physical Review Letters, 2004, 92, 071301.	7.8	126
14	Polarization transfer in the $4\text{He}(\text{H}, \text{H})^3\text{He}$ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 500, 47-52.	4.1	120
15	SEARCH FOR EXTRATERRESTRIAL ANTINEUTRINO SOURCES WITH THE KamLAND DETECTOR. Astrophysical Journal, 2012, 745, 193.	4.5	88
16	New empirical fits to the proton electromagnetic form factors. Physical Review C, 2002, 65, .	2.9	86
17	Limits on Majoron-emitting double $\beta\beta$ decays of ^{136}Xe in the KamLAND-Zen experiment. Physical Review C, 2012, 86, .	2.9	75
18	Measurement of the B solar neutrino flux with the KamLAND liquid scintillator detector. Physical Review C, 2011, 84, .	2.9	60

#	ARTICLE	IF	CITATIONS
19	Recoil Polarization for π^0 Excitation in Pion Electroproduction. Physical Review Letters, 2005, 95, 102001.	7.8	56
20	Search for the Invisible Decay of Neutrons with KamLAND. Physical Review Letters, 2006, 96, 101802.	7.8	50
21	KamLAND SENSITIVITY TO NEUTRINOS FROM PRE-SUPERNOVA STARS. Astrophysical Journal, 2016, 818, 91.	4.5	49
22	^7Be solar neutrino measurement with KamLAND. Physical Review C, 2015, 92.	2.9	48
23	Two-Neutrino ^{136}Xe Spectrum in KamLAND-Zen and its Recoil polarization measurements for neutral pion electroproduction at $Q^2=1(\text{GeV}/c)^2$ near the π^0 resonance. Physical Review C, 2007, 75, .	7.8	48
24	Recoil polarization measurements for neutral pion electroproduction at $Q^2=1(\text{GeV}/c)^2$ near the π^0 resonance. Physical Review C, 2007, 75, .	2.9	34
25	Search for double-beta decay of ^{136}Xe to excited states of ^{136}Ba with the KamLAND-Zen experiment. Nuclear Physics A, 2016, 946, 171-181.	1.5	33
26	Polarization transfer in the $\text{H}_2(e^+e^-\pi^+)$ reaction up to $Q^2=1.61(\text{GeV}/c)^2$. Physical Review C, 2006, 73, .	2.9	32
27	Light output response of KamLAND liquid scintillator for protons and ^{12}C nuclei. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 622, 574-582.	1.6	28
28	The KamLAND full-volume calibration system. Journal of Instrumentation, 2009, 4, P04017-P04017.	1.2	27
29	Results from KamLAND-Zen. AIP Conference Proceedings, 2015, , .	0.4	26
30	The focal plane proton-polarimeter for the 3-spectrometer setup at MAMI. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 483, 713-725.	1.6	25
31	Dark matter search project PICO-LON. Journal of Physics: Conference Series, 2016, 718, 042022.	0.4	22
32	Limits on Astrophysical Antineutrinos with the KamLAND Experiment. Astrophysical Journal, 2022, 925, 14.	4.5	22
33	A SEARCH FOR ELECTRON ANTINEUTRINOS ASSOCIATED WITH GRAVITATIONAL-WAVE EVENTS GW150914 AND GW151226 USING KAMLAND. Astrophysical Journal Letters, 2016, 829, L34.	8.3	21
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37	STUDY OF ELECTRON ANTI-NEUTRINOS ASSOCIATED WITH GAMMA-RAY BURSTS USING KamLAND. <i>Astrophysical Journal</i> , 2015, 806, 87.	4.5	12
38	Search for Low-energy Electron Antineutrinos in KamLAND Associated with Gravitational Wave Events. <i>Astrophysical Journal</i> , 2021, 909, 116.	4.5	12
39	Search for the proton decay mode $p \rightarrow \pi^0 e^+$. <i>KamLAND. Physical Review D</i> , 2015, 92, .	4.7	11
40	A compact ultra-clean system for deploying radioactive sources inside the KamLAND detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 769, 88-96.	1.6	11
41	Laboratory studies on the removal of radon-born lead from KamLAND's organic liquid scintillator. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 769, 79-87.	1.6	11
42	The nylon balloon for xenon loaded liquid scintillator in KamLAND-Zen 800 neutrinoless double-beta decay search experiment. <i>Journal of Instrumentation</i> , 2021, 16, P08023.	1.2	11
43	The horizontal drift chambers for the focal plane proton-polarimeter of the 3-spectrometer setup at MAMI. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 483, 726-733.	1.6	9
44	Pulsational Pair-instability Supernovae. II. Neutrino Signals from Pulsations and Their Detection by Terrestrial Neutrino Detectors. <i>Astrophysical Journal</i> , 2020, 889, 75.	4.5	8
45	Self energies of the pion and the π^0 isobar from the $^3\text{He}(e, e^+\pi^0)^3\text{H}$ reaction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 530, 67-73.	4.1	7
46	A large area detector for thermal neutron flux measurements at the KamLAND site. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 903, 162-169.	1.6	7
47	Measurement of the Exclusive $^3\text{He}(e, e^+\pi^0)$ Reaction Below the Quasielastic Peak. <i>Physical Review Letters</i> , 2004, 93, 132301.	7.8	5
48	PICO-LON Dark Matter Search. <i>Journal of Physics: Conference Series</i> , 2013, 469, 012011.	0.4	4
49	KamLAND-PICO Dark Mater Search Project. <i>Physics Procedia</i> , 2015, 61, 67-73.	1.2	4
50	Detectors for direct Dark Matter search at KamLAND. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 958, 162239.	1.6	4
51	Publisher's Note: Precision Measurement of Neutrino Oscillation Parameters with KamLAND [<i>Phys. Rev. Lett.</i> 100 , 221803 (2008)]. <i>Physical Review Letters</i> , 2008, 101, .	7.8	2
52	Publisher's Note: Precision Measurement of Neutrino Oscillation Parameters with KamLAND [<i>Phys. Rev. Lett.</i> 100 , 221803 (2008)]. <i>Physical Review Letters</i> , 2008, 101, .	7.8	2
53	A Passive Shield for the RED-100 Neutrino Detector. <i>Instruments and Experimental Techniques</i> , 2021, 64, 202-208.	0.5	2
54	The longitudinal and transverse response of the $^4\text{He}(e, e^+\pi^0)$ reaction in the dip region. <i>Nuclear Physics A</i> , 2001, 684, 460-463.	1.5	1

#	ARTICLE	IF	CITATIONS
55	The Dark Matter search at KamLAND. Journal of Physics: Conference Series, 2019, 1390, 012118.	0.4	1
56	Purification of the NaI(Tl) crystal for dark matter search project PICOLON. Journal of Physics: Conference Series, 2020, 1468, 012054.	0.4	1
57	PICOLON dark matter search Æ Development of highly radio-pure NaI(Tl) scintillator Æ. Journal of Physics: Conference Series, 2020, 1468, 012057.	0.4	1
58	Search for Solar Flare Neutrinos with the KamLAND Detector. Astrophysical Journal, 2022, 924, 103.	4.5	1
59	PICOLON dark matter search project. Journal of Physics: Conference Series, 2021, 2156, 012045.	0.4	1
60	Measurement of Reactor Oscillation with KamLAND. Nuclear Physics, Section B, Proceedings Supplements, 2005, 149, 131-133.	0.4	0
61	Low-energy astrophysics with KamLAND. , 2021, , .		0