

Alexey Malgin

List of Publications by Year in descending order

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56
papers

1,383
citations

430874

18
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330143

37
g-index

56
all docs

56
docs citations

56
times ranked

932
citing authors

#	ARTICLE	IF	CITATIONS
1	The OPERA experiment in the CERN to Gran Sasso neutrino beam. <i>Journal of Instrumentation</i> , 2009, 4, P04018-P04018.	1.2	195
2	Observation of a first ν_{τ} candidate event in the OPERA experiment in the CNGS beam. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010, 691, 138-145.	4.1	173
3	Discovery of $\bar{\nu}_{\mu}$ Neutrino Appearance in the CNGS Neutrino Beam with the OPERA Experiment. <i>Physical Review Letters</i> , 2015, 115, 121802.	7.8	132
4	Measurement of the neutrino velocity with the OPERA detector in the CNGS beam. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	116
5	First events from the CNGS neutrino beam detected in the OPERA experiment. <i>New Journal of Physics</i> , 2006, 8, 303-303.	2.9	88
6	Evidence for ν_{τ} in the CNGS neutrino beam with the OPERA experiment. <i>Physical Review D</i> , 2014, 89, .	4.7	73
7	The 90 ton liquid scintillation detector in the Mont Blanc laboratory. <i>Il Nuovo Cimento Della Societ� Italiana Di Fisica C</i> , 1984, 7, 573-590.	0.2	66
8	Momentum measurement by the multiple Coulomb scattering method in the OPERA lead-emulsion target. <i>New Journal of Physics</i> , 2012, 14, 013026.	2.9	64
9	IMPLICATION FOR THE CORE-COLLAPSE SUPERNOVA RATE FROM 21 YEARS OF DATA OF THE LARGE VOLUME DETECTOR. <i>Astrophysical Journal</i> , 2015, 802, 47.	4.5	45
10	Study of neutrino interactions with the electronic detectors of the OPERA experiment. <i>New Journal of Physics</i> , 2011, 13, 053051.	2.9	44
11	The detection of neutrino interactions in the emulsion/lead target of the OPERA experiment. <i>Journal of Instrumentation</i> , 2009, 4, P06020-P06020.	1.2	41
12	Observation of tau neutrino appearance in the CNGS beam with the OPERA experiment. <i>Progress of Theoretical and Experimental Physics</i> , 2014, 2014, 101C01-101C01.	6.6	37
13	Procedure for short-lived particle detection in the OPERA experiment and its application to charm decays. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	31
14	Measurement of the atmospheric muon charge ratio with the OPERA detector. <i>European Physical Journal C</i> , 2010, 67, 25-37.	3.9	26
15	Measurement of the neutrino velocity with the OPERA detector in the CNGS beam using the 2012 dedicated data. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	21
16	Measurement of the TeV atmospheric muon charge ratio with the complete OPERA data set. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	21
17	High-energy hadron background in proton decay experiments. <i>Il Nuovo Cimento Della Societ� Italiana Di Fisica C</i> , 1983, 6, 320-326.	0.2	20
18	Neutrons from muons underground. <i>Physics of Atomic Nuclei</i> , 2008, 71, 1769-1781.	0.4	19

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19	Search for $\nu_{\tau} \rightarrow \nu_{\mu}$ oscillation with the OPERA experiment in the CNGS beam. <i>New Journal of Physics</i> , 2012, 14, 033017.	2.9	18
20	Limits on muon-neutrino to tau-neutrino oscillations induced by a sterile neutrino state obtained by OPERA at the CNGS beam. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	17
21	Study of the Low-Energy Background Variations in the LVD Underground Experiment. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2019, 83, 614-616.	0.6	15
22	Universal formula for the muon-induced neutron yield. <i>Physical Review D</i> , 2013, 87, .	4.7	14
23	Analysis of seasonal variations of the cosmic ray muon flux and neutrons produced by muons in the LVD detector. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2011, 75, 427-430.	0.6	10
24	Determination of a time-shift in the OPERA set-up using high-energy horizontal muons in the LVD and OPERA detectors. <i>European Physical Journal Plus</i> , 2012, 127, 1.	2.6	10
25	Single and multiple muons and the generation of neutrons in the LVD experiment. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2011, 75, 408-410.	0.6	9
26	Phenomenology of muon-induced neutron yield. <i>Physical Review C</i> , 2017, 96, .	2.9	9
27	Seasonal variations in the muon-induced neutron flux and background of natural radioactivity at the Gran Sasso Underground Laboratory. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2017, 81, 512-515.	0.6	7
28	Analysis of experimental data on the neutron yield from muons. <i>Physics of Atomic Nuclei</i> , 2013, 76, 607-615.	0.4	6
29	The energy spectrum of neutrons produced by cosmic ray muons in LVD. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2009, 73, 628-629.	0.6	5
30	Seasonal modulations of the underground cosmic-ray muon energy. <i>Journal of Experimental and Theoretical Physics</i> , 2015, 121, 212-216.	0.9	5
31	LVD Experiment: 25 Years of Operation. <i>Physics of Atomic Nuclei</i> , 2018, 81, 95-104.	0.4	5
32	Characteristics of neutrons produced by muons in a standard rock. <i>Physics of Atomic Nuclei</i> , 2015, 78, 835-839.	0.4	4
33	Exploration of the stratosphere with cosmic-ray muons detected underground. <i>Physical Review Research</i> , 2022, 4, .	3.6	4
34	On the cosmic ray muon positive excess problem. <i>Journal of Physics: Conference Series</i> , 2006, 39, 489-489.	0.4	3
35	Measurement of neutron number generated by cosmic-ray muons in iron using the LVD. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2015, 79, 401-403.	0.6	3
36	On the energy spectrum of cosmogenic neutrons. <i>Journal of Experimental and Theoretical Physics</i> , 2017, 125, 728-740.	0.9	3

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37	Measurement of Seasonal Variations of Horizontal Muons with Underground LVD Setup. Physics of Atomic Nuclei, 2020, 83, 69-74.	0.4	3
38	On the Mechanism of Temperature Variations in the Average Energy of Muons at Large Depths. Journal of Experimental and Theoretical Physics, 2021, 132, 73-78.	0.9	3
39	Responses of the LVD Detector to Earthquakes in Central Italy. Bulletin of the Russian Academy of Sciences: Physics, 2021, 85, 1320-1324.	0.6	3
40	Search for neutrino emission from supernovae using the Large Volume Detector. Bulletin of the Russian Academy of Sciences: Physics, 2009, 73, 649-651.	0.6	2
41	The search for different neutrino flavors from collapsing stars using the LVD detector. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 416-418.	0.6	2
42	Search for the $\hat{\nu}_2\hat{\nu}_4 \hat{\nu} \hat{\nu}_2$, oscillation with the OPERA hybrid detector. Physics of Particles and Nuclei, 2013, 44, 703-727.	0.7	2
43	Origin of a signal detected with the LSD detector after the accident at the chernobyl nuclear power plant. Journal of Experimental and Theoretical Physics, 2013, 117, 258-267.	0.9	2
44	Neutrons produced by muons in LVD: Monte Carlo simulation. Journal of Physics: Conference Series, 2013, 409, 012139.	0.4	2
45	Determination of the muon charge sign with the dipolar spectrometers of the OPERA experiment. Journal of Instrumentation, 2016, 11, P07022-P07022.	1.2	2
46	A comparative analysis of light collection in a scintillation counter with a volume of 1.5 m ³ with diffuse and mirror reflection. Optics and Spectroscopy (English Translation of Optika i Tj ETQq0 0 0 rgBT /Overlock16 Tf 50 377 Td (Sp	0.6	1
47	Joint analysis of experimental data to search for neutrinos from collapsing stars using the LVD and BUST apparatus. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 407-409.	0.6	1
48	Simulation of the LSD Response to the Neutrino Burst from SN 1987A. Journal of Experimental and Theoretical Physics, 2022, 134, 277-289.	0.9	1
49	Contemporary status of the OPERA experiment for detecting $\hat{\nu}_2\hat{\nu}_4 \hat{\nu} \hat{\nu}_2$, oscillations in a $\hat{\nu}_2\hat{\nu}_4$ beam. Bulletin of the Russian Academy of Sciences: Physics, 2009, 73, 646-648.	0.6	0
50	Neutrons produced by muons in the LVD matter. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 1329-1332.	0.6	0
51	Study of neutron interactions with NaCl in LVD. Journal of Physics: Conference Series, 2013, 409, 012140.	0.4	0
52	The OPERA experiment. Nuclear and Particle Physics Proceedings, 2015, 267-269, 87-93.	0.5	0
53	Generation of neutrons produced by muons from CERN neutrino beam. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 404-406.	0.6	0
54	Measuring Seasonal Variations in Neutrons from Near-Horizontal Muons. Bulletin of the Russian Academy of Sciences: Physics, 2021, 85, 427-429.	0.6	0

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55	PRESENT STATUS OF LVD. , 2015, , .		0
56	Analysis of Cosmogenic Neutron Characteristics and the Pulses Counting Rate Using ASD, LSD, and LVD Scintillation Detectors. Journal of Experimental and Theoretical Physics, 2022, 134, 449-458.	0.9	0