

# Alexey Malgin

## List of Publications by Year in descending order

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56  
papers

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citations

430754

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330025

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all docs

56  
docs citations

56  
times ranked

932  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of the LSD Response to the Neutrino Burst from SN 1987A. Journal of Experimental and Theoretical Physics, 2022, 134, 277-289.	0.2	1
2	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.	0.2	0
3	Exploration of the stratosphere with cosmic-ray muons detected underground. Physical Review Research, 2022, 4, .	1.3	4
4	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.	0.2	3
5	Measuring Seasonal Variations in Neutrons from Near-Horizontal Muons. Bulletin of the Russian Academy of Sciences: Physics, 2021, 85, 427-429.	0.1	0
6	Responses of the LVD Detector to Earthquakes in Central Italy. Bulletin of the Russian Academy of Sciences: Physics, 2021, 85, 1320-1324.	0.1	3
7	Measurement of Seasonal Variations of Horizontal Muons with Underground LVD Setup. Physics of Atomic Nuclei, 2020, 83, 69-74.	0.1	3
8	Study of the Low-Energy Background Variations in the LVD Underground Experiment. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 614-616.	0.1	15
9	LVD Experiment: 25 Years of Operation. Physics of Atomic Nuclei, 2018, 81, 95-104.	0.1	5
10	Phenomenology of muon-induced neutron yield. Physical Review C, 2017, 96, .	1.1	9
11	Seasonal variations in the muon-induced neutron flux and background of natural radioactivity at the Gran Sasso Underground Laboratory. Bulletin of the Russian Academy of Sciences: Physics, 2017, 81, 512-515.	0.1	7
12	On the energy spectrum of cosmogenic neutrons. Journal of Experimental and Theoretical Physics, 2017, 125, 728-740.	0.2	3
13	Determination of the muon charge sign with the dipolar spectrometers of the OPERA experiment. Journal of Instrumentation, 2016, 11, P07022-P07022.	0.5	2
14	The OPERA experiment. Nuclear and Particle Physics Proceedings, 2015, 267-269, 87-93.	0.2	0
15	Discovery of $\bar{\nu}_\mu$ Neutrino Appearance in the CNRS Neutrino Beam with the OPERA Experiment. Physical Review Letters, 2015, 115, 121802.	2.9	132
16	A comparative analysis of light collection in a scintillation counter with a volume of 1.5 m <sup>3</sup> with diffuse and mirror reflection. Optics and Spectroscopy (English Translation of Optika i Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 137 Td (Sp	0.1	0
17	Limits on muon-neutrino to tau-neutrino oscillations induced by a sterile neutrino state obtained by OPERA at the CNRS beam. Journal of High Energy Physics, 2015, 2015, 1.	1.6	17
18	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.	0.1	1

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19	Characteristics of neutrons produced by muons in a standard rock. Physics of Atomic Nuclei, 2015, 78, 835-839.	0.1	4
20	Measurement of neutron number generated by cosmic-ray muons in iron using the LVD. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 401-403.	0.1	3
21	Generation of neutrons produced by muons from CERN neutrino beam. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 404-406.	0.1	0
22	IMPLICATION FOR THE CORE-COLLAPSE SUPERNOVA RATE FROM 21 YEARS OF DATA OF THE LARGE VOLUME DETECTOR. Astrophysical Journal, 2015, 802, 47.	1.6	45
23	Seasonal modulations of the underground cosmic-ray muon energy. Journal of Experimental and Theoretical Physics, 2015, 121, 212-216.	0.2	5
24	PRESENT STATUS OF LVD. , 2015, , .		0
25	Evidence for $\nu_{\tau} \rightarrow \nu_{\mu}$ oscillation in the CNGS neutrino beam with the OPERA experiment. Physical Review D, 2014, 89, .		
26	Observation of tau neutrino appearance in the CNGS beam with the OPERA experiment. Progress of Theoretical and Experimental Physics, 2014, 2014, 101C01-101C01.	1.8	37
27	Measurement of the TeV atmospheric muon charge ratio with the complete OPERA data set. European Physical Journal C, 2014, 74, 1.	1.4	21
28	Procedure for short-lived particle detection in the OPERA experiment and its application to charm decays. European Physical Journal C, 2014, 74, 1.	1.4	31
29	Measurement of the neutrino velocity with the OPERA detector in the CNGS beam using the 2012 dedicated data. Journal of High Energy Physics, 2013, 2013, 1.	1.6	21
30	Analysis of experimental data on the neutron yield from muons. Physics of Atomic Nuclei, 2013, 76, 607-615.	0.1	6
31	Search for the $\nu_{\tau} \rightarrow \nu_{\mu}$ oscillation with the OPERA hybrid detector. Physics of Particles and Nuclei, 2013, 44, 703-727.	0.2	2
32	Neutrons produced by muons in the LVD matter. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 1329-1332.	0.1	0
33	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.	0.2	2
34	Universal formula for the muon-induced neutron yield. Physical Review D, 2013, 87, .	1.6	14
35	Study of neutron interactions with NaCl in LVD. Journal of Physics: Conference Series, 2013, 409, 012140.	0.3	0
36	Neutrons produced by muons in LVD: Monte Carlo simulation. Journal of Physics: Conference Series, 2013, 409, 012139.	0.3	2

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37	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.	1.2	18
38	Measurement of the neutrino velocity with the OPERA detector in the CNGS beam. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	116
39	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.	1.2	10
40	Momentum measurement by the multiple Coulomb scattering method in the OPERA lead-emulsion target. <i>New Journal of Physics</i> , 2012, 14, 013026.	1.2	64
41	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.	0.1	9
42	The search for different neutrino flavors from collapsing stars using the LVD detector. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2011, 75, 416-418.	0.1	2
43	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.	0.1	10
44	Study of neutrino interactions with the electronic detectors of the OPERA experiment. <i>New Journal of Physics</i> , 2011, 13, 053051.	1.2	44
45	Measurement of the atmospheric muon charge ratio with the OPERA detector. <i>European Physical Journal C</i> , 2010, 67, 25-37.	1.4	26
46	Observation of a first $\nu_{\tau} \rightarrow \nu_{\mu}$ 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.	1.5	173
47	The OPERA experiment in the CERN to Gran Sasso neutrino beam. <i>Journal of Instrumentation</i> , 2009, 4, P04018-P04018.	0.5	195
48	The detection of neutrino interactions in the emulsion/lead target of the OPERA experiment. <i>Journal of Instrumentation</i> , 2009, 4, P06020-P06020.	0.5	41
49	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.	0.1	5
50	Contemporary status of the OPERA experiment for detecting $\nu_{\tau} \rightarrow \nu_{\mu}$ oscillations in a $\nu_{\tau}$ beam. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2009, 73, 646-648.	0.1	0
51	Search for neutrino emission from supernovae using the Large Volume Detector. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2009, 73, 649-651.	0.1	2
52	Neutrons from muons underground. <i>Physics of Atomic Nuclei</i> , 2008, 71, 1769-1781.	0.1	19
53	First events from the CNGS neutrino beam detected in the OPERA experiment. <i>New Journal of Physics</i> , 2006, 8, 303-303.	1.2	88
54	On the cosmic ray muon positive excess problem. <i>Journal of Physics: Conference Series</i> , 2006, 39, 489-489.	0.3	3

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55	The 90 ton liquid scintillation detector in the Mont Blanc laboratory. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1984, 7, 573-590.	0.2	66
56	High-energy hadron background in proton decay experiments. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1983, 6, 320-326.	0.2	20