

# Alina Vishneva

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

1,951  
citations

394421

19  
h-index

243625

44  
g-index

71  
all docs

71  
docs citations

71  
times ranked

3358  
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for low-energy neutrinos from astrophysical sources with Borexino. <i>Astroparticle Physics</i> , 2021, 125, 102509.	4.3	26
2	SiPM-matrix readout of two-phase argon detectors using electroluminescence in the visible and near infrared range. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	18
3	Sensitivity of future liquid argon dark matter search experiments to core-collapse supernova neutrinos. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 043.	5.4	12
4	Separating $^{39}\text{Ar}$ from $^{40}\text{Ar}$ by cryogenic distillation with Aria for dark-matter searches. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	12
5	Experimental evidence of neutrinos produced in the CNO fusion cycle in the Sun. <i>Nature</i> , 2020, 587, 577-582.	27.8	137
6	Sensitivity to neutrinos from the solar CNO cycle in Borexino. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	19
7	Effective field theory interactions for liquid argon target in DarkSide-50 experiment. <i>Physical Review D</i> , 2020, 101, .	4.7	6
8	Design and construction of a new detector to measure ultra-low radioactive-isotope contamination of argon. <i>Journal of Instrumentation</i> , 2020, 15, P02024-P02024.	1.2	19
9	Improved measurement of $B$ solar neutrinos with $^{39}\text{Ar}$ <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> $B$	4.7	24
10	The Monte Carlo simulation of the Borexino detector. <i>Journal of Physics: Conference Series</i> , 2020, 1342, 012035.	0.4	0
11	Analytical response function for the Borexino solar neutrino analysis. <i>Journal of Physics: Conference Series</i> , 2020, 1342, 012105.	0.4	0
12	Speeding up complex multivariate data analysis in Borexino with parallel computing based on Graphics Processing Unit. <i>Journal of Physics: Conference Series</i> , 2020, 1342, 012115.	0.4	0
13	Comprehensive geoneutrino analysis with Borexino. <i>Physical Review D</i> , 2020, 101, .	4.7	42
14	Constraints on flavor-diagonal non-standard neutrino interactions from Borexino Phase-II. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	13
15	Ten years of cosmic muons observation with Borexino. <i>Journal of Physics: Conference Series</i> , 2020, 1468, 012080.	0.4	0
16	Updated geoneutrino measurement with Borexino. <i>Journal of Physics: Conference Series</i> , 2020, 1468, 012211.	0.4	0
17	Analysis strategies for the updated geoneutrino measurement with Borexino. <i>Journal of Physics: Conference Series</i> , 2020, 1468, 012184.	0.4	0
18	The study of solar neutrinos and of non-standard neutrino interactions with Borexino. <i>Journal of Physics: Conference Series</i> , 2020, 1468, 012192.	0.4	0



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37	RESULTS FROM BOREXINO AT LNGS. , 2017, , 81-86.		0
38	Limiting neutrino magnetic moments with Borexino Phase-II solar neutrino data. Physical Review D, 2017, 96, .	4.7	94
39	A Search for Low-energy Neutrinos Correlated with Gravitational Wave Events GW 150914, GW 151226, and GW 170104 with the Borexino Detector. Astrophysical Journal, 2017, 850, 21.	4.5	26
40	Borexino: Recent results and future plans. Physics of Particles and Nuclei, 2017, 48, 1026-1029.	0.7	1
41	Recent Results from Borexino. Journal of Physics: Conference Series, 2017, 798, 012114.	0.4	0
42	Borexino's search for low-energy neutrino and antineutrino signals correlated with gamma-ray bursts. Astroparticle Physics, 2017, 86, 11-17.	4.3	13
43	CeSOX: An experimental test of the sterile neutrino hypothesis with Borexino. Journal of Physics: Conference Series, 2017, 934, 012003.	0.4	1
44	The electronics, trigger and data acquisition system for the liquid argon time projection chamber of the DarkSide-50 search for dark matter. Journal of Instrumentation, 2017, 12, P12011-P12011.	1.2	10
45	CALIS – A CALibration Insertion System for the DarkSide-50 dark matter search experiment. Journal of Instrumentation, 2017, 12, T12004-T12004.	1.2	10
46	Solar neutrino detectors as sterile neutrino hunters. Journal of Physics: Conference Series, 2017, 888, 012018.	0.4	1
47	Test of the electron stability with the Borexino detector. Journal of Physics: Conference Series, 2017, 888, 012193.	0.4	1
48	Cryogenic Characterization of FBK RGB-HD SiPMs. Journal of Instrumentation, 2017, 12, P09030-P09030.	1.2	16
49	Improvements in the simulation code of the SOX experiment. Journal of Physics: Conference Series, 2017, 888, 012145.	0.4	0
50	Borexino: geo-neutrino measurement at Gran Sasso, Italy. Annals of Geophysics, 2017, 60, .	1.0	2
51	THE DARKSIDE-50 EXPERIMENT: A LIQUID ARGON TARGET FOR DARK MATTER PARTICLES. , 2017, , 355-360.		0
52	Recent results from Borexino. Journal of Physics: Conference Series, 2016, 718, 062059.	0.4	0
53	Recent Borexino results and prospects for the near future. EPJ Web of Conferences, 2016, 126, 02008.	0.3	2
54	Geo-neutrino results with Borexino. Journal of Physics: Conference Series, 2016, 675, 012029.	0.4	3

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55	CNO and pepsolar neutrino measurements and perspectives in Borexino. Journal of Physics: Conference Series, 2016, 675, 012040.	0.4	2
56	Overview and accomplishments of the Borexino experiment. Journal of Physics: Conference Series, 2016, 675, 012036.	0.4	1
57	The DarkSide-50 outer detectors. Journal of Physics: Conference Series, 2016, 718, 042062.	0.4	0
58	The electronics and data acquisition system for the DarkSide-50 veto detectors. Journal of Instrumentation, 2016, 11, P12007-P12007.	1.2	7
59	The veto system of the DarkSide-50 experiment. Journal of Instrumentation, 2016, 11, P03016-P03016.	1.2	33
60	The DarkSide project. Journal of Instrumentation, 2016, 11, C02051-C02051.	1.2	3
61	Results from the first use of low radioactivity argon in a dark matter search. Physical Review D, 2016, 93, .	4.7	108
62	Test of the electric charge conservation law with Borexino detector. Journal of Physics: Conference Series, 2016, 675, 012025.	0.4	0
63	Measurement of Solar pp-neutrino flux with Borexino: results and implications. Journal of Physics: Conference Series, 2016, 675, 012027.	0.4	3
64	The DarkSide awakens. Journal of Physics: Conference Series, 2016, 718, 042016.	0.4	4
65	High significance measurement of the terrestrial neutrino flux with the Borexino detector. Journal of Physics: Conference Series, 2016, 718, 062025.	0.4	1
66	Understanding the detector behavior through Montecarlo and calibration studies in view of the SOX measurement. Journal of Physics: Conference Series, 2016, 675, 012012.	0.4	0
67	Test of Electric Charge Conservation with Borexino. Physical Review Letters, 2015, 115, 231802.	7.8	42
68	The decay $\rho \rightarrow \pi^0 \pi^0$ in the Nambu-Jona-Lasinio model. European Physical Journal A, 2014, 50, 1.	2.5	11
69	Radially excited axial-vector mesons in the extended Nambu-Jona-Lasinio model. International Journal of Modern Physics A, 2014, 29, 1450125.	1.5	7
70	Radiative decays of radially excited pseudoscalar mesons in the extended Nambu-Jona-Lasinio model. Physics of Particles and Nuclei Letters, 2014, 11, 352-356.	0.4	4