

Alina Vishneva

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

1,951
citations

394421

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243625

44
g-index

71
all docs

71
docs citations

71
times ranked

3358
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Mass Dark Matter Search with the DarkSide-50 Experiment. Physical Review Letters, 2018, 121, 081307.	7.8	259
2	DarkSide-20k: A 20 tonne two-phase LAr TPC for direct dark matter detection at LNGS. European Physical Journal Plus, 2018, 133, 1.	2.6	247
3	Constraints on Sub-GeV Dark-Matterâ€“Electron Scattering from the DarkSide-50 Experiment. Physical Review Letters, 2018, 121, 111303.	7.8	179
4	Comprehensive measurement of pp-chain solar neutrinos. Nature, 2018, 562, 505-510.	27.8	169
5	DarkSide-50 532-day dark matter search with low-radioactivity argon. Physical Review D, 2018, 98, .	4.7	147
6	Experimental evidence of neutrinos produced in the CNO fusion cycle in the Sun. Nature, 2020, 587, 577-582.	27.8	137
7	Results from the first use of low radioactivity argon in a dark matter search. Physical Review D, 2016, 93, .	4.7	108
8	Limiting neutrino magnetic moments with Borexino Phase-II solar neutrino data. Physical Review D, 2017, 96, .	4.7	94
9	High precision spectroscopy of ${}^7\text{Be}$	4.7	80
10	Test of Electric Charge Conservation with Borexino. Physical Review Letters, 2015, 115, 231802.	7.8	42
11	Comprehensive geoneutrino analysis with Borexino. Physical Review D, 2020, 101, .	4.7	42
12	The veto system of the DarkSide-50 experiment. Journal of Instrumentation, 2016, 11, P03016-P03016.	1.2	33
13	Simulation of argon response and light detection in the DarkSide-50 dual phase TPC. Journal of Instrumentation, 2017, 12, P10015-P10015.	1.2	31
14	The Monte Carlo simulation of the Borexino detector. Astroparticle Physics, 2018, 97, 136-159.	4.3	30
15	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
16	Search for low-energy neutrinos from astrophysical sources with Borexino. Astroparticle Physics, 2021, 125, 102509.	4.3	26
17	Improved measurement of ${}^8\text{B}$ solar neutrinos with ${}^{1.5}\text{B}$	4.7	24
18	Seasonal modulation of the ${}^7\text{Be}$ solar neutrino rate in Borexino. Astroparticle Physics, 2017, 92, 21-29.	4.3	22

#	ARTICLE	IF	CITATIONS
19	Modulations of the cosmic muon signal in ten years of Borexino data. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 046-046.	5.4	22
20	Sensitivity to neutrinos from the solar CNO cycle in Borexino. European Physical Journal C, 2020, 80, 1.	3.9	19
21	Design and construction of a new detector to measure ultra-low radioactive-isotope contamination of argon. Journal of Instrumentation, 2020, 15, P02024-P02024.	1.2	19
22	SiPM-matrix readout of two-phase argon detectors using electroluminescence in the visible and near infrared range. European Physical Journal C, 2021, 81, 1.	3.9	18
23	Cryogenic Characterization of FBK RGB-HD SiPMs. Journal of Instrumentation, 2017, 12, P09030-P09030.	1.2	16
24	Borexino's search for low-energy neutrino and antineutrino signals correlated with gamma-ray bursts. Astroparticle Physics, 2017, 86, 11-17.	4.3	13
25	Electroluminescence pulse shape and electron diffusion in liquid argon measured in a dual-phase TPC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 904, 23-34.	1.6	13
26	Constraints on flavor-diagonal non-standard neutrino interactions from Borexino Phase-II. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
27	Sensitivity of future liquid argon dark matter search experiments to core-collapse supernova neutrinos. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 043.	5.4	12
28	Separating ^{39}Ar from ^{40}Ar by cryogenic distillation with Aria for dark-matter searches. European Physical Journal C, 2021, 81, 1.	3.9	12
29	The decay $\text{Au} \rightarrow f_{1} \pi u_{\text{Au}}$ in the Nambu-Jona-Lasinio model. European Physical Journal A, 2014, 50, 1.	2.5	11
30	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
31	CALIS – A CALibration Insertion System for the DarkSide-50 dark matter search experiment. Journal of Instrumentation, 2017, 12, T12004-T12004.	1.2	10
32	Radially excited axial-vector mesons in the extended Nambu-Jona-Lasinio model. International Journal of Modern Physics A, 2014, 29, 1450125.	1.5	7
33	The electronics and data acquisition system for the DarkSide-50 veto detectors. Journal of Instrumentation, 2016, 11, P12007-P12007.	1.2	7
34	The DarkSide Experiment: Present Status and Future. Journal of Physics: Conference Series, 2017, 798, 012109.	0.4	7
35	Effective field theory interactions for liquid argon target in DarkSide-50 experiment. Physical Review D, 2020, 101, .	4.7	6
36	Effect of low electric fields on alpha scintillation light yield in liquid argon. Journal of Instrumentation, 2017, 12, P01021-P01021.	1.2	5

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37	Radiative decays of radially excited pseudoscalar mesons in the extended Nambu-Jona-Lasinio model. <i>Physics of Particles and Nuclei Letters</i> , 2014, 11, 352-356.	0.4	4
38	The DarkSide awakens. <i>Journal of Physics: Conference Series</i> , 2016, 718, 042016.	0.4	4
39	Geo-neutrino results with Borexino. <i>Journal of Physics: Conference Series</i> , 2016, 675, 012029.	0.4	3
40	The DarkSide project. <i>Journal of Instrumentation</i> , 2016, 11, C02051-C02051.	1.2	3
41	Measurement of Solar pp-neutrino flux with Borexino: results and implications. <i>Journal of Physics: Conference Series</i> , 2016, 675, 012027.	0.4	3
42	Recent Borexino results and prospects for the near future. <i>EPJ Web of Conferences</i> , 2016, 126, 02008.	0.3	2
43	CNO and pepsolar neutrino measurements and perspectives in Borexino. <i>Journal of Physics: Conference Series</i> , 2016, 675, 012040.	0.4	2
44	Solar Neutrinos Spectroscopy with Borexino Phase-II. <i>Universe</i> , 2018, 4, 118.	2.5	2
45	Measurement of the ion fraction and mobility of ^{218}Po produced in ^{222}Rn decays in liquid argon. <i>Journal of Instrumentation</i> , 2019, 14, P11018-P11018.	1.2	2
46	Borexino: geo-neutrino measurement at Gran Sasso, Italy. <i>Annals of Geophysics</i> , 2017, 60, .	1.0	2
47	Overview and accomplishments of the Borexino experiment. <i>Journal of Physics: Conference Series</i> , 2016, 675, 012036.	0.4	1
48	High significance measurement of the terrestrial neutrino flux with the Borexino detector. <i>Journal of Physics: Conference Series</i> , 2016, 718, 062025.	0.4	1
49	Borexino: Recent results and future plans. <i>Physics of Particles and Nuclei</i> , 2017, 48, 1026-1029.	0.7	1
50	CeSOX: An experimental test of the sterile neutrino hypothesis with Borexino. <i>Journal of Physics: Conference Series</i> , 2017, 934, 012003.	0.4	1
51	Solar neutrino detectors as sterile neutrino hunters. <i>Journal of Physics: Conference Series</i> , 2017, 888, 012018.	0.4	1
52	Test of the electron stability with the Borexino detector. <i>Journal of Physics: Conference Series</i> , 2017, 888, 012193.	0.4	1
53	Solar Neutrino Results and Future Opportunities with Borexino. <i>Journal of Physics: Conference Series</i> , 2019, 1137, 012054.	0.4	1
54	Recent results from Borexino. <i>Journal of Physics: Conference Series</i> , 2016, 718, 062059.	0.4	0

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55	The DarkSide-50 outer detectors. Journal of Physics: Conference Series, 2016, 718, 042062.	0.4	0
56	Test of the electric charge conservation law with Borexino detector. Journal of Physics: Conference Series, 2016, 675, 012025.	0.4	0
57	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
58	RESULTS FROM BOREXINO AT LNGS. , 2017, , 81-86.		0
59	Recent Results from Borexino. Journal of Physics: Conference Series, 2017, 798, 012114.	0.4	0
60	Improvements in the simulation code of the SOX experiment. Journal of Physics: Conference Series, 2017, 888, 012145.	0.4	0
61	The Monte Carlo simulation of the Borexino detector. Journal of Physics: Conference Series, 2020, 1342, 012035.	0.4	0
62	Analytical response function for the Borexino solar neutrino analysis. Journal of Physics: Conference Series, 2020, 1342, 012105.	0.4	0
63	Speeding up complex multivariate data analysis in Borexino with parallel computing based on Graphics Processing Unit. Journal of Physics: Conference Series, 2020, 1342, 012115.	0.4	0
64	THE DARKSIDE-50 EXPERIMENT: A LIQUID ARGON TARGET FOR DARK MATTER PARTICLES. , 2017, , 355-360.		0
65	The SOX experiment hunts the sterile neutrino. , 2018, , .		0
66	Ten years of cosmic muons observation with Borexino. Journal of Physics: Conference Series, 2020, 1468, 012080.	0.4	0
67	Updated geoneutrino measurement with Borexino. Journal of Physics: Conference Series, 2020, 1468, 012211.	0.4	0
68	Analysis strategies for the updated geoneutrino measurement with Borexino. Journal of Physics: Conference Series, 2020, 1468, 012184.	0.4	0
69	The study of solar neutrinos and of non-standard neutrino interactions with Borexino. Journal of Physics: Conference Series, 2020, 1468, 012192.	0.4	0
70	Comprehensive measurement of pp-chain solar neutrinos with Borexino. , 2020, , .		0