Alexander Derbin

List of Publications by Citations

192 papers	5,258 citations	36 h-index	70 g-index
199 ext. papers	5,998 ext. citations	2.5 avg, IF	5.11 L-index

#	Paper	IF	Citations
192	Precision measurement of the (7)Be solar neutrino interaction rate in Borexino. *Physical Review Letters*, **2011**, 107, 141302	7.4	346
191	Direct measurement of the 7Be solar neutrino flux with 192 days of borexino data. *Physical Review Letters*, **2008**, 101, 091302	7.4	309
190	The Borexino detector at the Laboratori Nazionali del Gran Sasso. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2009**, 600, 568-593	1.2	256
189	Neutrinos from the primary proton-proton fusion process in the Sun. *Nature*, **2014**, 512, 383-6	50.4	201
188	Measurement of the solar B8 neutrino rate with a liquid scintillator target and 3 MeV energy threshold in the Borexino detector. *Physical Review D*, **2010**, 82,	4.9	187
187	First evidence of pep solar neutrinos by direct detection in Borexino. *Physical Review Letters*, **2012**, 108, 051302	7.4	182
186	Low-Mass Dark Matter Search with the DarkSide-50 Experiment. *Physical Review Letters*, **2018**, 121, 081307	7.4	169
185	First real time detection of 7Be solar neutrinos by Borexino. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2008**, 658, 101-108	4.2	168
184	Observation of geo-neutrinos. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2010**, 687, 299-304	4.2	167
183	The next-generation liquid-scintillator neutrino observatory LENA. *Astroparticle Physics*, **2012**, 35, 685-732	2.4	163
182	Final results of Borexino Phase-I on low-energy solar neutrino spectroscopy. *Physical Review D*, **2014**, 89,	4.9	161
181	DarkSide-20k: A 20 tonne two-phase LAr TPC for direct dark matter detection at LNGS. *European Physical Journal Plus*, **2018**, 133, 1	3.1	160
180	Conceptual design of the International Axion Observatory (IAXO). *Journal of Instrumentation*, **2014**, 9, T05002-T05002	1	160
179	First results from the DarkSide-50 dark matter experiment at Laboratori Nazionali del Gran Sasso. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2015**, 743, 456-466	4.2	151
178	Measurements of extremely low radioactivity levels in BOREXINO. *Astroparticle Physics*, **2002**, 18, 1-25	2.4	123
177	Results from the first use of low radioactivity argon in a dark matter search. *Physical Review D*, **2016**, 93,	4.9	89
176	Comprehensive measurement of pp-chain solar neutrinos. *Nature*, **2018**, 562, 505-510	50.4	87

175	DarkSide-50 532-day dark matter search with low-radioactivity argon. *Physical Review D*, **2018**, 98,	4.9	86
174	SOX: Short distance neutrino Oscillations with BoreXino. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	85
173	Constraints on Sub-GeV Dark-Matter-Electron Scattering from the DarkSide-50 Experiment. *Physical Review Letters*, **2018**, 121, 111303	7.4	85
172	Measurement of geo-neutrinos from 1353 days of Borexino. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2013**, 722, 295-300	4.2	78
171	Absence of a day–night asymmetry in the 7Be solar neutrino rate in Borexino. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2012**, 707, 22-26	4.2	73
170	Physics potential of the International Axion Observatory (IAXO). *Journal of Cosmology and Astroparticle Physics*, **2019**, 2019, 047-047	6.4	64
169	Spectroscopy of geoneutrinos from 2056 days of Borexino data. *Physical Review D*, **2015**, 92,	4.9	62
168	Muon and cosmogenic neutron detection in Borexino. *Journal of Instrumentation*, **2011**, 6, P05005-P05005	1	62
167	The liquid handling systems for the Borexino solar neutrino detector. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2009**, 609, 58-78	1.2	61
166	Limiting neutrino magnetic moments with Borexino Phase-II solar neutrino data. *Physical Review D*, **2017**, 96,	4.9	54
165	Study of solar and other unknown anti-neutrino fluxes with Borexino at LNGS. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2011**, 696, 191-196	4.2	52
164	Borexino calibrations: hardware, methods, and results. *Journal of Instrumentation*, **2012**, 7, P10018-P10018	1	52
163	Cosmogenic Backgrounds in Borexino at 3800 m water-equivalent depth. *Journal of Cosmology and Astroparticle Physics*, **2013**, 2013, 049-049	6.4	50
162	New experimental limits on the Pauli-forbidden transitions in C12 nuclei obtained with 485 days Borexino data. *Physical Review C*, **2010**, 81,	2.7	48
161	Pulse-shape discrimination with the Counting Test Facility. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2008**, 584, 98-113	1.2	42
160	New experimental limits on violations of the Pauli exclusion principle obtained with the Borexino Counting Test Facility. *European Physical Journal C*, **2004**, 37, 421-431	4.2	40
159	New limits on nucleon decays into invisible channels with the BOREXINO counting test facility. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2003**, 563, 23-34	4.2	40
158	Search for solar axions produced in the p(d,He3)A reaction with Borexino detector. *Physical Review D*, **2012**, 85,	4.9	38

157	Search for electron decay mode e-□□with prototype of Borexino detector. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2002**, 525, 29-40	4.2	37
156	Cosmic-muon flux and annual modulation in Borexino at 3800 m water-equivalent depth. *Journal of Cosmology and Astroparticle Physics*, **2012**, 2012, 015-015	6.4	35
155	Simultaneous precision spectroscopy of pp, Be7, and pep solar neutrinos with Borexino Phase-II. *Physical Review D*, **2019**, 100,	4.9	34
154	Light yield in DarkSide-10: A prototype two-phase argon TPC for dark matter searches. *Astroparticle Physics*, **2013**, 49, 44-51	2.4	31
153	CNO and pep neutrino spectroscopy in Borexino: Measurement of the deep-underground production of cosmogenic C11 in an organic liquid scintillator. *Physical Review C*, **2006**, 74,	2.7	31
152	DarkSide search for dark matter. *Journal of Instrumentation*, **2013**, 8, C11021-C11021	1	30
151	Prospects for observation of neutrino-nuclear neutral current coherent scattering with two-phase Xenon emission detector. *Journal of Instrumentation*, **2013**, 8, P10023-P10023	1	29
150	Measurement of CNGS muon neutrino speed with Borexino. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2012**, 716, 401-405	4.2	29
149	Test of Electric Charge Conservation with Borexino. *Physical Review Letters*, **2015**, 115, 231802	7.4	27
148	Constraints on the axion-electron coupling constant for solar axions appearing owing to bremsstrahlung and the compton process. *JETP Letters*, **2012**, 95, 339-344	1.2	25
147	Towards a medium-scale axion helioscope and haloscope. *Journal of Instrumentation*, **2017**, 12, P11019-P11019	1	25
146	Constraints on the axion-electron coupling for solar axions produced by a Compton process and bremsstrahlung. *Physical Review D*, **2011**, 83,	4.9	25
145	Study of phenylxylylethane (PXE) as scintillator for low energy neutrino experiments. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2008**, 585, 48-60	1.2	25
144	Simulation of argon response and light detection in the DarkSide-50 dual phase TPC. *Journal of Instrumentation*, **2017**, 12, P10015-P10015	1	23
143	Comprehensive geoneutrino analysis with Borexino. *Physical Review D*, **2020**, 101,	4.9	23
142	The veto system of the DarkSide-50 experiment. *Journal of Instrumentation*, **2016**, 11, P03016-P03016	1	23
141	Search for solar axions emitted in the M1-transition of 7Li* with Borexino CTF. *European Physical Journal C*, **2008**, 54, 61-72	4.2	22
140	Study of neutrino electromagnetic properties with the prototype of the Borexino detector. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2003**, 563, 35-47	4.2	22

139	New limit on the mass of 14.4-keV solar axions emitted in an M1 transition in 57Fe nuclei. *Physics of Atomic Nuclei*, **2011**, 74, 596-602	0.4	21
138	The Monte Carlo simulation of the Borexino detector. *Astroparticle Physics*, **2018**, 97, 136-159	2.4	20
137	The DarkSide Multiton Detector for the Direct Dark Matter Search. *Advances in High Energy Physics*, **2015**, 2015, 1-8	1	20
136	New limits on heavy sterile neutrino mixing in B8 decay obtained with the Borexino detector. *Physical Review D*, **2013**, 88,	4.9	19
135	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	4.7	19
134	Search for resonant absorption of solar axions emitted in M1 transition in 57Fe nuclei. *European Physical Journal C*, **2009**, 62, 755-760	4.2	18
133	New experimental limits on heavy neutrino mixing in 8B-decay obtained with the Borexino counting test facility. *JETP Letters*, **2003**, 78, 261-266	1.2	18
132	Search for solar axions produced by Primakoff conversion using resonant absorption by 169Tm nuclei. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2009**, 678, 181-185	4.2	17
131	Search for solar axions emitted in an M1 transition in 7Li* nuclei. *JETP Letters*, **2005**, 81, 365-370	1.2	17
130	Seasonal modulation of the 7 Be solar neutrino rate in Borexino. *Astroparticle Physics*, **2017**, 92, 21-29	2.4	15
129	Search for electron antineutrino interactions with the Borexino Counting Test Facility at Gran Sasso. *European Physical Journal C*, **2006**, 47, 21-30	4.2	15
128	Search for resonant absorption of solar axions emitted in an M1 transition in 57Fe nuclei. *JETP Letters*, **2007**, 85, 12-16	1.2	14
127	Modulations of the cosmic muon signal in ten years of Borexino data. *Journal of Cosmology and Astroparticle Physics*, **2019**, 2019, 046-046	6.4	13
126	Lifetime measurements of 214Po and 212Po with the CTF liquid scintillator detector at LNGS. *European Physical Journal A*, **2013**, 49, 1	2.5	13
125	New experiment on search for the resonance absorption of solar axion emitted in the M1 transition of 83Kr nuclei. *JETP Letters*, **2015**, 101, 664-669	1.2	12
124	Measurement of the 45Ca β spectrum in search of deviations from the theoretical shape. *JETP Letters*, **1997**, 66, 88-92	1.2	12
123	Improved measurement of B8 solar neutrinos with 1.5 kt·y of Borexino exposure. *Physical Review D* , **2020**, 101,	4.9	11
122	Search for axioelectric effect of 5.5 MeV solar axions using BGO detectors. *European Physical Journal C*, **2013**, 73, 1	4.2	11

121	Borexino search for low-energy neutrino and antineutrino signals correlated with gamma-ray bursts. *Astroparticle Physics*, **2017**, 86, 11-17	2.4	11
120	Search for decay of 76Ge to the excited states in 76Se. *Zeitschrift Für Physik A*, **1995**, 352, 231-233		11
119	Design and construction of a new detector to measure ultra-low radioactive-isotope contamination of argon. *Journal of Instrumentation*, **2020**, 15, P02024-P02024	1	10
118	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	1.2	10
117	Solar neutrino experiments. *Physics-Uspekhi*, **2014**, 57, 512-524	2.8	10
116	Cryogenic Characterization of FBK RGB-HD SiPMs. *Journal of Instrumentation*, **2017**, 12, P09030-P09030	1	9
115	Beta-spectrometer with Si-detectors for the study of 144Ce-144Pr decays. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2018**, 890, 64-67	1.2	9
114	The Next Generation of Axion Helioscopes: The International Axion Observatory (IAXO). *Physics Procedia*, **2015**, 61, 193-200		9
113	Search for neutrino radiative decay with a prototype Borexino detector. *JETP Letters*, **2002**, 76, 409-413	1.2	9
112	CALISA CALibration Insertion System for the DarkSide-50 dark matter search experiment. *Journal of Instrumentation*, **2017**, 12, T12004-T12004	1	8
111	Future axion searches with the International Axion Observatory (IAXO). *Journal of Physics: Conference Series*, **2013**, 460, 012002	0.3	8
110	Search for resonant absorption of solar axions by atomic nuclei. *Bulletin of the Russian Academy of Sciences: Physics*, **2007**, 71, 832-840	0.4	8
109	A Beta Spectrometer Based on Silicon Detectors. *Instruments and Experimental Techniques*, **2018**, 61, 323-327	0.5	7
108	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	7
107	DarkSide-50: A WIMP Search with a Two-phase Argon TPC. *Physics Procedia*, **2015**, 61, 124-129		7
106	SiPM-matrix readout of two-phase argon detectors using electroluminescence in the visible and near infrared range. *European Physical Journal C*, **2021**, 81, 1	4.2	7
105	The DarkSide Experiment: Present Status and Future. *Journal of Physics: Conference Series*, **2017**, 798, 012109	0.3	6
104	New Constraints on the Axion-Photon Coupling Constant for Solar Axions. *JETP Letters*, **2018**, 107, 589-594	1.2	6

103	Direct Search for Dark Matter with DarkSide. *Journal of Physics: Conference Series*, **2015**, 650, 012006	0.3	6
102	Search for solar axions generated by the Primakoff effect with resonance absorption by 169Tm. *Bulletin of the Russian Academy of Sciences: Physics*, **2010**, 74, 481-486	0.4	6
101	Search for solar axions produced in the p + d -r3He + A reaction. *Bulletin of the Russian Academy of Sciences: Physics*, **2010**, 74, 805-810	0.4	6
100	Search for the invisible axion emitted in the M1 transition in 125mTe. *JETP Letters*, **1997**, 65, 605-610	1.2	6
99	Current Status of the BOREXINO experiment. *Nuclear Physics, Section B, Proceedings Supplements*, **2005**, 143, 21-24		6
98	Constraints on flavor-diagonal non-standard neutrino interactions from Borexino Phase-II. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	6
97	Measurement of neutrino flux from the primary proton–proton fusion process in the Sun with Borexino detector. *Physics of Particles and Nuclei*, **2016**, 47, 995-1002	0.7	6
96	The electronics and data acquisition system for the DarkSide-50 veto detectors. *Journal of Instrumentation*, **2016**, 11, P12007-P12007	1	6
95	Search for axioelectric effect of solar axions using BGO scintillating bolometer. *European Physical Journal C*, **2014**, 74, 1	4.2	5
94	Effect of low electric fields on alpha scintillation light yield in liquid argon. *Journal of Instrumentation*, **2017**, 12, P01021-P01021	1	4
93	Solar neutrino with Borexino: Results and perspectives. *Physics of Particles and Nuclei*, **2015**, 46, 166-173	0.7	4
92	The DarkSide awakens. *Journal of Physics: Conference Series*, **2016**, 718, 042016	0.3	4
91	First results of the Borexino experiment. *Physics of Atomic Nuclei*, **2010**, 73, 1935-1941	0.4	4
90	On the possibility of detecting solar pp neutrino with the large-volume liquid organic scintillator detector. *Physics of Atomic Nuclei*, **2004**, 67, 2066-2072	0.4	4
89	Search for solar pp neutrinos with an upgrade of CTF detector. *Physics of Atomic Nuclei*, **2003**, 66, 712-723	0.4	4
88	Portable and X-ray analyzers based on CdTe pin detectors. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1999**, 428, 223-231	1.2	4
87	An update on the Axion Helioscopes front: current activities at CAST and the IAXO project. *Nuclear and Particle Physics Proceedings*, **2016**, 273-275, 244-249	0.4	4
86	Search for a Neutrino with a Mass of 0.01–1.0 MeV in Beta Decays of 144Ce–144Pr Nuclei. *JETP Letters*, **2018**, 108, 499-503	1.2	4

85	New limits on the resonant absorption of solar axions obtained with a (^mathbf {169})Tm-containing cryogenic detector. *European Physical Journal C*, **2020**, 80, 1	4.2	3
84	A Change in the Parameters of Si(Li) Detectors under Exposure to Particles. *Instruments and Experimental Techniques*, **2020**, 63, 25-29	0.5	3
83	Search for resonant absorption of solar axions emitted in M1-transitions in 83Kr nuclei: Second stage of the experiment. *Physics of Particles and Nuclei*, **2018**, 49, 94-96	0.7	3
82	Measurement of Solar pp-neutrino flux with Borexino: results and implications. *Journal of Physics: Conference Series*, **2016**, 675, 012027	0.3	3
81	A measurement method of a detector response function for monochromatic electrons based on the Compton scattering. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2016**, 821, 13-16	1.2	3
80	Recent results and future development of Borexino. *Nuclear Physics, Section B, Proceedings Supplements*, **2013**, 235-236, 55-60		3
79	Search for axions emitted in nuclear magnetic transitions. *Physics of Atomic Nuclei*, **2002**, 65, 1302-1306	0.4	3
78	How to process best gamma spectra of CdTe and CdZnTe detectors. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2001**, 458, 169-174	1.2	3
77	Detection of charged particles using heterostructures of crystalline p-silicon and hydrogenated amorphous carbon. *Diamond and Related Materials*, **1992**, 1, 623-625	3.5	3
76	Precision measurement of the Bi210 spectrum. *Physical Review C*, **2020**, 102,	2.7	3
75	SOX: search for short baseline neutrino oscillations with Borexino. *Journal of Physics: Conference Series*, **2016**, 718, 062066	0.3	3
74	The DarkSide project. *Journal of Instrumentation*, **2016**, 11, C02051-C02051	1	3
73	Short Distance Neutrino Oscillations with BoreXino: SOX. *Physics Procedia*, **2015**, 61, 511-517		2
72	Low-energy (anti)neutrino physics with Borexino: Neutrinos from the primary proton-proton fusion process in the Sun. *Nuclear and Particle Physics Proceedings*, **2015**, 265-266, 87-92	0.4	2
71	The IAXO Helioscope. *Journal of Physics: Conference Series*, **2015**, 650, 012009	0.3	2
70	Solar neutrino results from Borexino and main future perspectives. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2011**, 630, 210-213	1.2	2
69	Borexino: recent results, detector calibration and future perspectives. *Nuclear Physics, Section B, Proceedings Supplements*, **2011**, 217, 101-106		2
68	Scintillator purification, detector performance and first results from Borexino. *Journal of Physics: Conference Series*, **2008**, 120, 052017	0.3	2

67	A test of bolometric properties of Tm-containing crystals as a perspective detector for a solar axion search. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2020**, 949, 162924	1.2	2
66	A Silicon 4Spectrometer of Decay Electrons with Energies of up to 3 MeV. *Instruments and Experimental Techniques*, **2021**, 64, 190-194	0.5	2
65	Recent Borexino results and prospects for the near future. *EPJ Web of Conferences*, **2016**, 126, 02008	0.3	2
64	Geo-neutrino results with Borexino. *Journal of Physics: Conference Series*, **2016**, 675, 012029	0.3	2
63	CNO andpepsolar neutrino measurements and perspectives in Borexino. *Journal of Physics: Conference Series*, **2016**, 675, 012040	0.3	2
62	The search for sterile neutrinos with SOX-Borexino. *Physics of Atomic Nuclei*, **2016**, 79, 1481-1484	0.4	2
61	SOX: Short Distance Neutrino Oscillations with Borexino. *Nuclear and Particle Physics Proceedings*, **2016**, 273-275, 1760-1764	0.4	2
60	Si(Li) detector with ultra-thin entrance window on the diffusive lithium side. *Journal of Physics: Conference Series*, **2019**, 1400, 055056	0.3	2
59	First result of the experimental search for the 9.4 keV solar axion reactions with 83Kr in the copper proportional counter. *Physics of Particles and Nuclei*, **2015**, 46, 152-156	0.7	1
58	Geo-neutrinos and Borexino. *Physics of Particles and Nuclei*, **2015**, 46, 174-181	0.7	1
57	Effective field theory interactions for liquid argon target in DarkSide-50 experiment. *Physical Review D*, **2020**, 101,	4.9	1
56	High significance measurement of the terrestrial neutrino flux with the Borexino detector. *Journal of Physics: Conference Series*, **2016**, 718, 062025	0.3	1
55	The144Ce source for SOX. *Journal of Physics: Conference Series*, **2016**, 675, 012032	0.3	1
54	Results of Searching for Solar Hadronic Axions Emitted in the M1 Transition in 83Kr Nuclei. *Physics of Particles and Nuclei*, **2018**, 49, 599-601	0.7	1
53	Solar Neutrino Results and Future Opportunities with Borexino. *Journal of Physics: Conference Series*, **2019**, 1137, 012054	0.3	1
52	Solar neutrino results from Borexino. *Nuclear Physics, Section B, Proceedings Supplements*, **2013**, 237-238, 104-106		1
51	Borexino: Recent results and future plans. *Physics of Particles and Nuclei*, **2017**, 48, 1026-1029	0.7	1
50	CeSOX: An experimental test of the sterile neutrino hypothesis with Borexino. *Journal of Physics: Conference Series*, **2017**, 934, 012003	0.3	1

49	Recent Results of Search for Solar Axions Using Resonant Absorption by 83Kr nuclei. *Journal of Physics: Conference Series*, **2017**, 934, 012018	0.3	1
48	Solar neutrino detectors as sterile neutrino hunters. *Journal of Physics: Conference Series*, **2017**, 888, 012018	0.3	1
47	Neutrino measurements from the Sun and Earth: Results from Borexino **2015**,		1
46	Geo-neutrinos from 1353 Days with the Borexino Detector. *Physics Procedia*, **2015**, 61, 340-344		1
45	Measurement of the solar 8B neutrino flux down to 2.8 MeV with Borexino. *Nuclear Physics, Section B, Proceedings Supplements*, **2009**, 188, 127-129		1
44	First evidence ofpepsolar neutrinos by direct detection in Borexino. *Journal of Physics: Conference Series*, **2012**, 375, 042030	0.3	1
43	New experimental limits on the probabilities of pauli-forbidden transitions in the 12C nucleus from data obtained with the borexino detector. *Physics of Atomic Nuclei*, **2010**, 73, 2064-2073	0.4	1
42	Overview and accomplishments of the Borexino experiment. *Journal of Physics: Conference Series*, **2016**, 675, 012036	0.3	1
41	4□semiconductor beta-spectrometer for measurement of 144Ce □144Pr spectra. *Journal of Physics: Conference Series*, **2019**, 1390, 012117	0.3	1
40	Solar Neutrinos Spectroscopy with Borexino Phase-II. *Universe*, **2018**, 4, 118	2.5	1
39	The Monte Carlo simulation of the Borexino detector. *Journal of Physics: Conference Series*, **2020**, 1342, 012035	0.3	
38	A Silicon Detector Based Beta-spectrometer. *Journal of Physics: Conference Series*, **2017**, 934, 012056	0.3	
37	Improvements in the simulation code of the SOX experiment. *Journal of Physics: Conference Series*, **2017**, 888, 012145	0.3	
36	Test of the electric charge conservation law with Borexino detector. *Journal of Physics: Conference Series*, **2016**, 675, 012025	0.3	
35	The high precision measurement of the144Ce activity in the SOX experiment. *Journal of Physics: Conference Series*, **2016**, 675, 012035	0.3	
34	First real□ime detection of solar pp neutrinos by Borexino. *EPJ Web of Conferences*, **2016**, 121, 01001	0.3	
33	A method for measuring the detector response function for monochromatic electrons based on Compton scattering. *Instruments and Experimental Techniques*, **2016**, 59, 333-336	0.5	
32	Recent results from Borexino and the first real time measure of solar pp neutrinos. *Nuclear and Particle Physics Proceedings*, **2016**, 273-275, 1753-1759	0.4	

31	Understanding the detector behavior through Montecarlo and calibration studies in view of the SOX measurement. *Journal of Physics: Conference Series*, **2016**, 675, 012012	0.3
30	Low energy neutrinos. *International Journal of Modern Physics Conference Series*, **2014**, 31, 1460285	0.7
29	Neutrinos from the sun and from radioactive sources. *Nuclear Physics, Section B, Proceedings Supplements*, **2013**, 237-238, 77-81	
28	RESULTS FROM BOREXINO AT LNGS **2017**, 81-86	
27	Recent Results from Borexino. *Journal of Physics: Conference Series*, **2017**, 798, 012114	0.3
26	Lifetimes of (214)Po and (212)Po measured with Counting Test Facility at Gran Sasso National Laboratory. *Journal of Environmental Radioactivity*, **2014**, 138, 444-6	2.4
25	High precision 7Be solar neutrinos measurement and day night effect obtained with Borexino. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2012**, 692, 258-261	1.2
24	200 days of Borexino data. *Nuclear Physics, Section B, Proceedings Supplements*, **2009**, 188, 90-95	
23	Neutrino interactions at few MeV: results from Borexino at Gran Sasso. *Nuclear Physics, Section B, Proceedings Supplements*, **2011**, 212-213, 121-127	
22	234U in highly enriched fuel. *Atomic Energy*, **1997**, 83, 705-708	0.4
21	Search for the solar pp-neutrinos with an upgrade of the CTF detector. *Nuclear Physics, Section B, Proceedings Supplements*, **2003**, 118, 448	
20	Search for the electron decay mode e- with the prototype of the BOREXINO detector. *Nuclear Physics, Section B, Proceedings Supplements*, **2003**, 118, 497	
19	Study of the neutrino electromagnetic properties with prototype of Borexino detector. *Nuclear Physics, Section B, Proceedings Supplements*, **2003**, 118, 498	
18	Search for nucleon decays into invisible channels with the BOREXINO counting test facility. *Nuclear Physics, Section B, Proceedings Supplements*, **2003**, 118, 499	
17	Search for the axion emitted in the nuclear magnetic transitions. *Nuclear Physics, Section B, Proceedings Supplements*, **2003**, 118, 528	
16	Limit on Solar antineutrino flux obtained with the prototype of the Borexino detector. *Nuclear Physics, Section B, Proceedings Supplements*, **2005**, 143, 547	
15	Physics outside the Standard Model with the prototype of the Borexino detector. *Nuclear Physics, Section B, Proceedings Supplements*, **2005**, 143, 568	
14	A project for neutrino experiments on a reactor. *Soviet Atomic Energy*, **1981**, 50, 362-365	

13	A new limit on the resonant absorption of solar axions obtained via 169Tm-containing bolometer. *Journal of Physics: Conference Series*, **2021**, 2103, 012142	0.3
12	New measurement of the β-spectrum of 210Bi with a silicon 4π-spectrometer. *Journal of Physics: Conference Series*, **2021**, 2103, 012144	0.3
11	THE DARKSIDE-50 EXPERIMENT: A LIQUID ARGON TARGET FOR DARK MATTER PARTICLES **2017**, 355-360	
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