

# Fausto Ortica

## List of Publications by Year in descending order

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244  
papers

8,481  
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66336

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87  
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250  
docs citations

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times ranked

6162  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutrino physics with JUNO. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2016, 43, 030401.	3.6	750
2	Precision Measurement of the $\langle \text{mmultiscripts} \langle \text{mi} \rangle \text{Be} \langle \text{mprescripts} \rangle \langle \text{none} \rangle \langle \text{mn} \rangle 7 \langle \text{mn} \rangle \langle \text{mmultiscripts} \rangle \langle \text{math} \rangle$ Solar Neutrino Interaction Rate in Borexino. <i>Physical Review Letters</i> , 2011, 107, 141302.	7.8	441
3	Direct Measurement of the $\langle \text{math} \langle \text{mml}="http://www.w3.org/1998/Math/MathML" \text{display}="inline" \rangle \langle \text{mmultiscripts} \rangle \langle \text{mi} \rangle \text{Be} \langle \text{mprescripts} \rangle \langle \text{none} \rangle \langle \text{mn} \rangle 7 \langle \text{mn} \rangle \langle \text{mmultiscripts} \rangle \langle \text{math} \rangle$ Solar Neutrino Flux with 192 Days of Borexino Data. <i>Physical Review Letters</i> , 2008, 101, 091302.	7.8	344
4	The Borexino detector at the Laboratori Nazionali del Gran Sasso. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 600, 568-593.	1.6	292
5	Low-Mass Dark Matter Search with the DarkSide-50 Experiment. <i>Physical Review Letters</i> , 2018, 121, 081307.	7.8	259
6	Neutrinos from the primary protonâ€“proton fusion process in the Sun. <i>Nature</i> , 2014, 512, 383-386.	27.8	250
7	DarkSide-20k: A 20 tonne two-phase LAr TPC for direct dark matter detection at LNGS. <i>European Physical Journal Plus</i> , 2018, 133, 1.	2.6	247
8	Measurement of the solar $\langle \text{math} \langle \text{mml}="http://www.w3.org/1998/Math/MathML" \text{display}="inline" \rangle \langle \text{mmultiscripts} \rangle \langle \text{mi} \text{ mathvariant}="normal" \rangle \text{B} \langle \text{mprescripts} \rangle \langle \text{none} \rangle \langle \text{mn} \rangle 8 \langle \text{mn} \rangle \langle \text{mmultiscripts} \rangle \langle \text{math} \rangle$ neutrino rate with a liquid scintillator target and 3Â€“MeV energy threshold in the Borexino detector. <i>Physical Review D</i> , 2010, 82, .	4.7	214
9	First Evidence of $\langle \text{math} \langle \text{mml}="http://www.w3.org/1998/Math/MathML" \text{display}="inline" \rangle \langle \text{mi} \rangle \text{p} \langle \text{mi} \rangle \langle \text{mi} \rangle \text{e} \langle \text{mi} \rangle \langle \text{mi} \rangle \text{p} \langle \text{mi} \rangle \langle \text{math} \rangle$ Solar Neutrinos by Direct Detection in Borexino. <i>Physical Review Letters</i> , 2012, 108, 051302.	7.8	213
10	Final results of Borexino Phase-I on low-energy solar neutrino spectroscopy. <i>Physical Review D</i> , 2014, 89, .	4.7	204
11	First real time detection of 7Be solar neutrinos by Borexino. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 658, 101-108.	4.1	192
12	Observation of geo-neutrinos. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010, 687, 299-304.	4.1	187
13	First results from the DarkSide-50 dark matter experiment at Laboratori Nazionali del Gran Sasso. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 743, 456-466.	4.1	186
14	Constraints on Sub-GeV Dark-Matterâ€“Electron Scattering from the DarkSide-50 Experiment. <i>Physical Review Letters</i> , 2018, 121, 111303.	7.8	179
15	Comprehensive measurement of pp-chain solar neutrinos. <i>Nature</i> , 2018, 562, 505-510.	27.8	169
16	DarkSide-50 532-day dark matter search with low-radioactivity argon. <i>Physical Review D</i> , 2018, 98, .	4.7	147
17	Measurements of extremely low radioactivity levels in BOREXINO. <i>Astroparticle Physics</i> , 2002, 18, 1-25.	4.3	138
18	Static and Dynamic Interaction of a Naturally Occurring Photochromic Molecule with Bovine Serum Albumin Studied by UVâ€“Visible Absorption and Fluorescence Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008, 112, 16793-16801.	2.6	138

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19	Experimental evidence of neutrinos produced in the CNO fusion cycle in the Sun. Nature, 2020, 587, 577-582.	27.8	137
20	Results from the first use of low radioactivity argon in a dark matter search. Physical Review D, 2016, 93, .	4.7	108
21	SOX: Short distance neutrino Oscillations with Borexino. Journal of High Energy Physics, 2013, 2013, 1.	4.7	98
22	Limiting neutrino magnetic moments with Borexino Phase-II solar neutrino data. Physical Review D, 2017, 96, .	4.7	94
23	Measurement of geo-neutrinos from 1353 days of Borexino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 295-300.	4.1	92
24	JUNO physics and detector. Progress in Particle and Nuclear Physics, 2022, 123, 103927.	14.4	86
25	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.	4.1	83
26	Simultaneous precision spectroscopy of $p$ , $p$ $Be$	4.7	80
27	Spectroscopy of geoneutrinos from 2056 days of Borexino data. Physical Review D, 2015, 92, .	4.7	77
28	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.	1.6	71
29	Neuronal firing modulation by a membrane-targeted photoswitch. Nature Nanotechnology, 2020, 15, 296-306.	31.5	71
30	Muon and cosmogenic neutron detection in Borexino. Journal of Instrumentation, 2011, 6, P05005-P05005.	1.2	68
31	Cosmogenic Backgrounds in Borexino at 3800 m water-equivalent depth. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 049-049.	5.4	63
32	Laser Flash Photolysis Study of Two Aromatic N-Oxyimidosulfonate Photoacid Generators. Chemistry of Materials, 2000, 12, 414-420.	6.7	61
33	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.	4.1	60
34	Borexino calibrations: hardware, methods, and results. Journal of Instrumentation, 2012, 7, P10018-P10018.	1.2	60
35	Dynamics of the excited states of chromenes studied by fast and ultrafast spectroscopies. Photochemical and Photobiological Sciences, 2004, 3, 886.	2.9	57
36	New experimental limits on the Pauli-forbidden transitions in $C$ nuclei obtained with $485$ days Borexino data. Ph	2.9	56



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55	DarkSide search for dark matter. <i>Journal of Instrumentation</i> , 2013, 8, C11021-C11021.	1.2	36
56	Optimization of the JUNO liquid scintillator composition using a Daya Bay antineutrino detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 988, 164823.	1.6	34
57	Measurement of CNGS muon neutrino speed with Borexino. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 716, 401-405.	4.1	33
58	The veto system of the DarkSide-50 experiment. <i>Journal of Instrumentation</i> , 2016, 11, P03016-P03016.	1.2	33
59	New Thermally Irreversible and Fluorescent Photochromic Diarylethenes. <i>Journal of Physical Chemistry A</i> , 2008, 112, 4765-4771.	2.5	31
60	Simulation of argon response and light detection in the DarkSide-50 dual phase TPC. <i>Journal of Instrumentation</i> , 2017, 12, P10015-P10015.	1.2	31
61	Study of phenylxylylene (PXE) as scintillator for low energy neutrino experiments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 585, 48-60.	1.6	30
62	New molecular pairs for low power non-coherent triplet-triplet annihilation based upconversion: dependence on the triplet energies of sensitizer and emitter. <i>Journal of Luminescence</i> , 2013, 135, 265-270.	3.1	30
63	The Monte Carlo simulation of the Borexino detector. <i>Astroparticle Physics</i> , 2018, 97, 136-159.	4.3	30
64	New limits on heavy sterile neutrino mixing in $B \rightarrow 8\gamma$ decay obtained with the Borexino detector. <i>Physical Review D</i> , 2013, 88, .	4.7	29
65	Photochromism and thermochromism of spiro[indolinnoxazines] in normal and reversed and reversed micelles. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 4099.	1.7	28
66	Photokinetic behaviour of bi-photochromic supramolecular systems. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 149, 91-100.	3.9	28
67	New Insight into the Fatigue Resistance of Photochromic 1,2-Diarylethenes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23592-23598.	3.1	28
68	Effect of Gel-Trapping on Spectral Properties and Relaxation Dynamics of Some Spiro-Oxazines. <i>Journal of Physical Chemistry B</i> , 2000, 104, 12179-12183.	2.6	27
69	Photokinetic behaviour of biphotocromic supramolecular systems. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 139, 133-141.	3.9	27
70	Comprehensive Photokinetic and NMR Study of a Biphotocromic Supermolecule Involving Two Naphthopyrans Linked to a Central Thiophene Unit Through Acetylenic Bonds. <i>Photochemistry and Photobiology</i> , 2003, 78, 558.	2.5	27
71	Type Photochromism of New Helical Naphthopyrans: Synthesis and Photochemical, Photophysical and Theoretical Study. <i>ChemPhysChem</i> , 2015, 16, 2447-2458.	2.1	27
72	Search for solar axions emitted in the M1-transition of $7\text{Li}^*$ with Borexino CTF. <i>European Physical Journal C</i> , 2008, 54, 61-72.	3.9	26

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73	A Search for Low-energy Neutrinos Correlated with Gravitational Wave Events GW 150914, GW 151226, and GW 170104 with the Borexino Detector. <i>Astrophysical Journal</i> , 2017, 850, 21.	4.5	26
74	Search for low-energy neutrinos from astrophysical sources with Borexino. <i>Astroparticle Physics</i> , 2021, 125, 102509.	4.3	26
75	Feasibility and physics potential of detecting $^8\text{B}$ solar neutrinos at JUNO *. <i>Chinese Physics C</i> , 2021, 45, 023004.	3.7	26
76	Mechanism of Reaction and Photoacid Generation of N-Oxysuccinimidoarylsulfonate PAGs: A Laser Flash Photolytic Study. <i>Chemistry of Materials</i> , 2001, 13, 2297-2304.	6.7	25
77	Multiswitchable Acidichromic and Photochromic Bisdiarylethene. An Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23096-23106.	3.1	24
78	Improved measurement of $^8\text{B}$ solar neutrinos with the prototype of the Borexino detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 563, 35-47.	4.7	24
79	Study of neutrino electromagnetic properties with the prototype of the Borexino detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 563, 35-47.	4.1	22
80	Seasonal modulation of the $^7\text{Be}$ solar neutrino rate in Borexino. <i>Astroparticle Physics</i> , 2017, 92, 21-29.	4.3	22
81	Modulations of the cosmic muon signal in ten years of Borexino data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 046-046.	5.4	22
82	Energy and daylighting performance of building integrated spirooxazine photochromic films. <i>Solar Energy</i> , 2022, 242, 424-434.	6.1	22
83	Photophysical Properties of Hydroxy-Substituted Flavothiones. <i>Journal of Physical Chemistry A</i> , 2000, 104, 6095-6102.	2.5	21
84	Photokinetic behaviour of biphotochromic supramolecular systems. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 138, 123-128.	3.9	21
85	A Laser Flash Photolysis Study of Curcumin in Dioxane/Water Mixtures. <i>Photochemistry and Photobiology</i> , 2001, 74, 745.	2.5	21
86	The DarkSide Multiton Detector for the Direct Dark Matter Search. <i>Advances in High Energy Physics</i> , 2015, 2015, 1-8.	1.1	21
87	Embedded readout electronics R&D for the large PMTs in the JUNO experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 985, 164600.	1.6	21
88	Thermal reversibility and bistability in photochromic diarylethenes. <i>Inorganica Chimica Acta</i> , 2007, 360, 995-999.	2.4	20
89	Light-Induced Hydrogen Abstraction from Isobutanol by Thienyl Phenyl, Dithienyl, and Thienyl Pyridyl Ketones. <i>Journal of Physical Chemistry A</i> , 1999, 103, 1335-1341.	2.5	19
90	Structural and photophysical characterization of some $\text{La}_2\text{Ga}_2\text{In}_2\text{ZrO}_3$ solid solutions, to be used as photocatalysts for $\text{H}_2$ production from water/ethanol solutions. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 2265-2274.	6.2	19

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91	Sensitivity to neutrinos from the solar CNO cycle in Borexino. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	19
92	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
93	Photocyclisation of 2-pyridyl phenyl ketone. A reaction driven by hydrogen bonding. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 1841.	1.7	18
94	New experimental limits on heavy neutrino mixing in 8B-decay obtained with the Borexino counting test facility. <i>JETP Letters</i> , 2003, 78, 261-266.	1.4	18
95	Search for electron antineutrino interactions with the Borexino Counting Test Facility at Gran Sasso. <i>European Physical Journal C</i> , 2006, 47, 21-30.	3.9	18
96	Structure effects on the photobehaviour of 2,2-diphenyl(2H)chromenes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 200, 287-293.	3.9	18
97	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
98	Lifetime measurements of <sup>214</sup> Po and <sup>212</sup> Po with the CTF liquid scintillator detector at LNGS. <i>European Physical Journal A</i> , 2013, 49, 1.	2.5	17
99	Distillation and stripping pilot plants for the JUNO neutrino detector: Design, operations and reliability. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 925, 6-17.	1.6	17
100	First Directional Measurement of Sub-MeV Solar Neutrinos with Borexino. <i>Physical Review Letters</i> , 2022, 128, 091803.	7.8	17
101	Supramolecular interaction of a spirooxazine with amino acids. <i>Chemical Physics Letters</i> , 2007, 444, 135-139.	2.6	16
102	Cryogenic Characterization of FBK RGB-HD SiPMs. <i>Journal of Instrumentation</i> , 2017, 12, P09030-P09030.	1.2	16
103	GIGJ: A Crustal Gravity Model of the Guangdong Province for Predicting the Geoneutrino Signal at the JUNO Experiment. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 4231-4249.	3.4	16
104	Effects of the environment on the photochromic behaviour of a novel indeno-fused naphthopyran. <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 803-808.	2.9	15
105	Photochromic behaviour of Berry Red studied in solution and polymer films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 196, 190-196.	3.9	15
106	Chiral separation of helical chromenes with chloromethyl phenylcarbamate polysaccharide-based stationary phases. <i>Journal of Separation Science</i> , 2018, 41, 1266-1273.	2.5	15
107	Nanoseconds Timing System Based on IEEE 1588 FPGA Implementation. <i>IEEE Transactions on Nuclear Science</i> , 2019, 66, 1151-1158.	2.0	15
108	The design and sensitivity of JUNO's scintillator radiopurity pre-detector OSIRIS. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	15

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109	Photophysics of 3- and 4-phenyl pyridyl ketones in submicellar and micellar solutions of ionic and non-ionic surfactants. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 3405.	1.7	14
110	A steady-state and time-resolved absorption and emission study of 3-thienyl-phenyl ketone, 3,3'-di-thienyl ketone and 2,3'-di-thienyl ketone. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000, 135, 127-134.	3.9	14
111	Effects of protolytic interactions on the photophysics of phenyl pyridyl ketones. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 279.	1.7	13
112	Laser Flash Photolysis of 2-Diazo-1,3-diphenyl-1,3-propanedione: An Unusual Long-Lived Triplet as a Reaction Intermediate. <i>Organic Letters</i> , 2000, 2, 1357-1360.	4.6	13
113	Effects of Proximity on the Relaxation Dynamics of Flindersine and 6(5H)-Phenanthridinone. <i>Journal of Physical Chemistry A</i> , 2007, 111, 193-200.	2.5	13
114	Borexino's search for low-energy neutrino and antineutrino signals correlated with gamma-ray bursts. <i>Astroparticle Physics</i> , 2017, 86, 11-17.	4.3	13
115	Electroluminescence pulse shape and electron diffusion in liquid argon measured in a dual-phase TPC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 904, 23-34.	1.6	13
116	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
117	Radioactivity control strategy for the JUNO detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	13
118	Environmental effects on radiative and nonradiative transitions of some merocyanine dyes in homogeneous and microheterogeneous systems. <i>Journal of Luminescence</i> , 1996, 68, 137-147.	3.1	12
119	The complex photochromic behaviour of 5,6-benzo(2H)dimethylchromene in 3-methylpentane solution. This paper is dedicated to Professor Jean Kossanyi on the occasion of his 70th birthday. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 1032.	2.9	12
120	Mechanism of Reaction and Photoacid Generation of 1,2-di(Arylsulfonyl)hydrazine PAGs: A Laser Flash Photolytic Study. <i>Chemistry of Materials</i> , 2001, 13, 2305-2312.	6.7	11
121	Triplet-triplet annihilation based upconversion in silica matrices. <i>Microporous and Mesoporous Materials</i> , 2017, 246, 120-129.	4.4	11
122	JUNO sensitivity to low energy atmospheric neutrino spectra. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	11
123	Proximity effects in the excited state ordering and photophysics of thienyl-pyridyl ketones. <i>Chemical Physics</i> , 1998, 237, 413-424.	1.9	10
124	Laser Flash Photolysis of Diphenylsulfonyldiazomethane: Detection of the Sulfene and a Sulfene-Pyridine Ylide. <i>Organic Letters</i> , 2000, 2, 3591-3594.	4.6	10
125	A Nd-loaded liquid organic scintillator for the experiment aimed at measuring double $\beta^2$ decay. <i>Instruments and Experimental Techniques</i> , 2012, 55, 545-550.	0.5	10
126	DarkSide-50: A WIMP Search with a Two-phase Argon TPC. <i>Physics Procedia</i> , 2015, 61, 124-129.	1.2	10



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127	The electronics, trigger and data acquisition system for the liquid argon time projection chamber of the DarkSide-50 search for dark matter. <i>Journal of Instrumentation</i> , 2017, 12, P12011-P12011.	1.2	10
128	CALIS – A CALibration Insertion System for the DarkSide-50 dark matter search experiment. <i>Journal of Instrumentation</i> , 2017, 12, T12004-T12004.	1.2	10
129	Photochemistry of Flavothione and Hydroxyflavothiones: Mechanisms and Kinetics. <i>Photochemistry and Photobiology</i> , 2003, 77, 22-29.	2.5	9
130	Unusual UV (λ <sub>exc</sub> = 303 nm) and visible (λ <sub>exc</sub> = 574 nm) activated photochromism of an indeno-fused naphthopyran. <i>New Journal of Chemistry</i> , 2003, 27, 639-643.	2.8	9
131	Photobehaviour of diarylethenes with thiophenes as aryl groups and dithiole-2-thione and dithiole-2-one at the ethenic bond. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 188, 90-97.	3.9	9
132	Role of heteroaromatic cycles in the inter- and intra-molecular dynamics of excited aryl ketones. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2013, 16, 22-45.	11.6	9
133	Direct Search for Dark Matter with DarkSide. <i>Journal of Physics: Conference Series</i> , 2015, 650, 012006.	0.4	9
134	Role of micellar inclusion in the photochemistry of 2-pyridyl phenyl ketone. A steady-state and laser flash photolytic study. , 1999, 12, 31-38.		8
135	New photochromic symmetrical and unsymmetrical bis(heteroaryl)maleimides: A spectrokinetic study. <i>Chemical Physics</i> , 2009, 358, 258-264.	1.9	8
136	Calibration of the liquid argon ionization response to low energy electronic and nuclear recoils with DarkSide-50. <i>Physical Review D</i> , 2021, 104, .	4.7	8
137	Correlated and integrated directionality for sub-MeV solar neutrinos in Borexino. <i>Physical Review D</i> , 2022, 105, .	4.7	8
138	Micellar effects on absorption spectra and protolytic equilibria of phenyl-pyridyl-ketones. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1991, 47, 1721-1726.	0.1	7
139	A spectrophotometric and phosphorimetric study of a new class of heteroaromatic ketones: the six thienyl-pyridyl ketone isomers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1998, 55, 25-33.	3.9	7
140	Current Status of the BOREXINO experiment. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2005, 143, 21-24.	0.4	7
141	Light and pH tunable luminescence in a photochromic bisdiarylethene. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 785-793.	2.9	7
142	Measurement of neutrino flux from the primary proton-proton fusion process in the Sun with Borexino detector. <i>Physics of Particles and Nuclei</i> , 2016, 47, 995-1002.	0.7	7
143	The electronics and data acquisition system for the DarkSide-50 veto detectors. <i>Journal of Instrumentation</i> , 2016, 11, P12007-P12007.	1.2	7
144	The DarkSide Experiment: Present Status and Future. <i>Journal of Physics: Conference Series</i> , 2017, 798, 012109.	0.4	7

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145	Synthesis of Luminescent Fused Imidazole Bicyclic Acetic Esters by a Multicomponent Palladium Iodide-Catalyzed Oxidative Alkoxy-carbonylation Approach. <i>ChemCatChem</i> , 2021, 13, 990-998.	3.7	7
146	Photoinduced Processes in Dipyrrolyl-Perfluoro-Cyclopentenes. <i>Photochemistry and Photobiology</i> , 2006, 82, 1326.	2.5	6
147	Molecular-based upconversion in homo/heterogeneous liquids and in micro/nanostructured solid materials. <i>Dalton Transactions</i> , 2018, 47, 8557-8565.	3.3	6
148	High response photochromic films based on Diarylethenes and their application in holography. <i>RSC Advances</i> , 2020, 10, 26177-26187.	3.6	6
149	Effective field theory interactions for liquid argon target in DarkSide-50 experiment. <i>Physical Review D</i> , 2020, 101, .	4.7	6
150	Identification of the cosmogenic $^{11}\text{C}$ background in large volumes of liquid scintillators with Borexino. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	6
151	Photoluminescence properties of $\text{La}_{2x}\text{Ga}_{2y}\text{In}_{2z}\text{O}_3$ solid solutions used as photocatalysts for water splitting and promising panchromatic emitters. <i>Journal of Luminescence</i> , 2016, 177, 314-324.	3.1	5
152	Effect of low electric fields on alpha scintillation light yield in liquid argon. <i>Journal of Instrumentation</i> , 2017, 12, P01021-P01021.	1.2	5
153	Design, Synthesis and Characterization of a New Visible Light-Sensitive Molecular Switch and its PEGylation Towards a Self-Assembling Molecule. <i>Chemistry - A European Journal</i> , 0, , .	3.3	5
154	Photobehaviour of Z-1,2-di-(3-methoxynaphth-2-yl)ethene as model compound of biphotocromic supermolecules with Z-ethenic bridge. <i>International Journal of Photoenergy</i> , 2001, 3, 153-163.	2.5	4
155	Environmental effects on the photophysics of thienyl ketones investigated by transient absorption and phosphorescence emission in polarized light. <i>Chemical Physics</i> , 2002, 280, 163-175.	1.9	4
156	New results on solar neutrino fluxes from 192 days of Borexino data. <i>Journal of Physics: Conference Series</i> , 2008, 136, 022001.	0.4	4
157	Solar neutrino with Borexino: Results and perspectives. <i>Physics of Particles and Nuclei</i> , 2015, 46, 166-173.	0.7	4
158	The DarkSide awakens. <i>Journal of Physics: Conference Series</i> , 2016, 718, 042016.	0.4	4
159	Synthesis and photochromic behaviour of a series of benzopyrans bearing an N-phenyl-carbazole moiety: photochromism control by the steric effect. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 1344-1355.	2.9	4
160	Effects of solvent, excitation wavelength, and concentration on the photobehavior of some diazonaphthoquinones. <i>Arkivoc</i> , 2011, 2011, 205-220.	0.5	4
161	Xanthopsin-like Systems via Site-Specific Click-Functionalization of a Retinoic Acid Binding Protein. <i>ChemBioChem</i> , 2021, , .	2.6	4
162	Tetra- and tri-thienyl ethenes: new fluorescent photochromic compounds. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 964-972.	2.9	3

#	ARTICLE	IF	CITATIONS
163	Recent results and future development of Borexino. Nuclear Physics, Section B, Proceedings Supplements, 2013, 235-236, 55-60.	0.4	3
164	Short Distance Neutrino Oscillations with Borexino: SOX. Physics Procedia, 2015, 61, 511-517.	1.2	3
165	SOX: search for short baseline neutrino oscillations with Borexino. Journal of Physics: Conference Series, 2016, 718, 062066.	0.4	3
166	Geo-neutrino results with Borexino. Journal of Physics: Conference Series, 2016, 675, 012029.	0.4	3
167	The DarkSide project. Journal of Instrumentation, 2016, 11, C02051-C02051.	1.2	3
168	Measurement of Solar pp-neutrino flux with Borexino: results and implications. Journal of Physics: Conference Series, 2016, 675, 012027.	0.4	3
169	Charge reconstruction in large-area photomultipliers. Journal of Instrumentation, 2018, 13, P02008-P02008.	1.2	3
170	A study of events with photoelectric emission in the DarkSide-50 liquid argon Time Projection Chamber. Astroparticle Physics, 2022, 140, 102704.	4.3	3
171	A Laser Flash Photolysis Study of Curcumin in Dioxane-Water Mixtures. Photochemistry and Photobiology, 2001, 74, 745-751.	2.5	2
172	Photophysics and Photochemistry of some Dipyrrolylperfluorocyclopentenes. Molecular Crystals and Liquid Crystals, 2005, 430, 267-272.	0.9	2
173	Photophysics and photochemistry of the 2,4,6-triphenyl-2-benzyl-2H-thiopyran versus 2H-pyran derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 177, 34-42.	3.9	2
174	Scintillator purification, detector performance and first results from Borexino. Journal of Physics: Conference Series, 2008, 120, 052017.	0.4	2
175	Nd loaded liquid scintillator to search for $^{150}\text{Nd}$ neutrinoless double beta decay. Journal of Physics: Conference Series, 2008, 136, 042088.	0.4	2
176	Measurement of the solar $^8\text{B}$ neutrino flux down to 2.8 MeV with Borexino. Nuclear Physics, Section B, Proceedings Supplements, 2009, 188, 127-129.	0.4	2
177	The scintillator solvent procurement for the Borexino solar neutrino detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 648, 100-108.	1.6	2
178	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.	1.6	2
179	Borexino: recent results, detector calibration and future perspectives. Nuclear Physics, Section B, Proceedings Supplements, 2011, 217, 101-106.	0.4	2
180	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.	0.5	2

#	ARTICLE	IF	CITATIONS
181	Recent Borexino results and prospects for the near future. EPJ Web of Conferences, 2016, 126, 02008.	0.3	2
182	CNO and pepsolar neutrino measurements and perspectives in Borexino. Journal of Physics: Conference Series, 2016, 675, 012040.	0.4	2
183	The search for sterile neutrinos with SOX-Borexino. Physics of Atomic Nuclei, 2016, 79, 1481-1484.	0.4	2
184	SOX: Short Distance Neutrino Oscillations with Borexino. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1760-1764.	0.5	2
185	The $^{144}\text{Ce}$ source for SOX. Journal of Physics: Conference Series, 2016, 675, 012032.	0.4	2
186	Solar Neutrinos Spectroscopy with Borexino Phase-II. Universe, 2018, 4, 118.	2.5	2
187	Measurement of the ion fraction and mobility of $^{218}\text{Po}$ produced in $^{222}\text{Rn}$ decays in liquid argon. Journal of Instrumentation, 2019, 14, P11018-P11018.	1.2	2
188	Borexino: geo-neutrino measurement at Gran Sasso, Italy. Annals of Geophysics, 2017, 60, .	1.0	2
189	First evidence of $\langle i \rangle \text{pep} \langle /i \rangle$ solar neutrinos by direct detection in Borexino. Journal of Physics: Conference Series, 2012, 375, 042030.	0.4	1
190	Solar neutrino results from Borexino. Nuclear Physics, Section B, Proceedings Supplements, 2013, 237-238, 104-106.	0.4	1
191	Lifetimes of $^{214}\text{Po}$ and $^{212}\text{Po}$ measured with Counting Test Facility at Gran Sasso National Laboratory. Journal of Environmental Radioactivity, 2014, 138, 444-446.	1.7	1
192	Neutrino measurements from the Sun and Earth: Results from Borexino. AIP Conference Proceedings, 2015, , .	0.4	1
193	Geo-neutrinos from 1353 Days with the Borexino Detector. Physics Procedia, 2015, 61, 340-344.	1.2	1
194	Geo-neutrinos and Borexino. Physics of Particles and Nuclei, 2015, 46, 174-181.	0.7	1
195	Overview and accomplishments of the Borexino experiment. Journal of Physics: Conference Series, 2016, 675, 012036.	0.4	1
196	High significance measurement of the terrestrial neutrino flux with the Borexino detector. Journal of Physics: Conference Series, 2016, 718, 062025.	0.4	1
197	Borexino: Recent results and future plans. Physics of Particles and Nuclei, 2017, 48, 1026-1029.	0.7	1
198	CeSOX: An experimental test of the sterile neutrino hypothesis with Borexino. Journal of Physics: Conference Series, 2017, 934, 012003.	0.4	1

#	ARTICLE	IF	CITATIONS
199	Solar neutrino detectors as sterile neutrino hunters. Journal of Physics: Conference Series, 2017, 888, 012018.	0.4	1
200	Test of the electron stability with the Borexino detector. Journal of Physics: Conference Series, 2017, 888, 012193.	0.4	1
201	Solar Neutrino Results and Future Opportunities with Borexino. Journal of Physics: Conference Series, 2019, 1137, 012054.	0.4	1
202	Mechanistic similarities in the photochemistry of two classes of photoacid generators: a laser flash photolytic study. , 2000, 3999, 609.		0
203	Comprehensive Photokinetic and NMR Study of a Biphotochromic Supermolecule Involving Two Naphthopyrans Linked to a Central Thiophene Unit Through Acetylenic Bonds. Photochemistry and Photobiology, 2003, 78, 558-566.	2.5	0
204	First results on $^7\text{Be}$ solar neutrinos from the Borexino real time detector. Journal of Physics: Conference Series, 2008, 120, 052006.	0.4	0
205	200 days of Borexino data. Nuclear Physics, Section B, Proceedings Supplements, 2009, 188, 90-95.	0.4	0
206	Production and suppression of $^{11}\text{C}$ in the solar neutrino experiment Borexino. , 2011, , .		0
207	Neutrino interactions at few MeV: results from Borexino at Gran Sasso. Nuclear Physics, Section B, Proceedings Supplements, 2011, 212-213, 121-127.	0.4	0
208	High precision $^7\text{Be}$ 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.	1.6	0
209	Neutrinos from the sun and from radioactive sources. Nuclear Physics, Section B, Proceedings Supplements, 2013, 237-238, 77-81.	0.4	0
210	STUDY OF THE RARE PROCESSES WITH THE BOREXINO DETECTOR. , 2013, , 177-180.		0
211	Low energy neutrinos. International Journal of Modern Physics Conference Series, 2014, 31, 1460285.	0.7	0
212	Recent results from Borexino. Journal of Physics: Conference Series, 2016, 718, 062059.	0.4	0
213	Short distance neutrino oscillations with Borexino. EPJ Web of Conferences, 2016, 121, 01002.	0.3	0
214	The DarkSide Program. EPJ Web of Conferences, 2016, 121, 06010.	0.3	0
215	The DarkSide-50 outer detectors. Journal of Physics: Conference Series, 2016, 718, 042062.	0.4	0
216	A first walk on the DarkSide. Nuclear and Particle Physics Proceedings, 2016, 273-275, 452-458.	0.5	0

#	ARTICLE	IF	CITATIONS
217	Test of the electric charge conservation law with Borexino detector. Journal of Physics: Conference Series, 2016, 675, 012025.	0.4	0
218	The high precision measurement of the $^{144}\text{Ce}$ activity in the SOX experiment. Journal of Physics: Conference Series, 2016, 675, 012035.	0.4	0
219	First real-time detection of solar pp neutrinos by Borexino. EPJ Web of Conferences, 2016, 121, 01001.	0.3	0
220	Recent results from Borexino and the first real time measure of solar pp neutrinos. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1753-1759.	0.5	0
221	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
222	Recent Results from Borexino. Journal of Physics: Conference Series, 2017, 798, 012114.	0.4	0
223	The DarkSide direct dark matter search with liquid argon. AIP Conference Proceedings, 2017, , .	0.4	0
224	Improvements in the simulation code of the SOX experiment. Journal of Physics: Conference Series, 2017, 888, 012145.	0.4	0
225	In memory of Professor Ugo Mazzucato (1929-2017). Photochemical and Photobiological Sciences, 2019, 18, 2092-2093.	2.9	0
226	Photo-Fries reaction in acetoxyphenyl thiophenes. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 397, 112502.	3.9	0
227	The Monte Carlo simulation of the Borexino detector. Journal of Physics: Conference Series, 2020, 1342, 012035.	0.4	0
228	FPGA Implementation of an NCO Based CDR for the JUNO Front-End Electronics. IEEE Transactions on Nuclear Science, 2021, 68, 1952-1960.	2.0	0
229	Recent Borexino results and perspectives of the SOX measurement. EPJ Web of Conferences, 2018, 182, 02099.	0.3	0
230	Solar neutrino physics with Borexino. , 2019, , .		0
231	The measurement of the pp chain solar neutrinos in Borexino. , 2019, , .		0
232	Results from Borexino on solar and geo-neutrinos. , 2019, , .		0
233	Ten years of cosmic muons observation with Borexino. Journal of Physics: Conference Series, 2020, 1468, 012080.	0.4	0
234	Updated geoneutrino measurement with Borexino. Journal of Physics: Conference Series, 2020, 1468, 012211.	0.4	0

#	ARTICLE	IF	CITATIONS
235	DarkSide-50 Results and the Future Liquid Argon Dark Matter Program. , 2020, , .		0
236	Analysis strategies for the updated geoneutrino measurement with Borexino. Journal of Physics: Conference Series, 2020, 1468, 012184.	0.4	0
237	The study of solar neutrinos and of non-standard neutrino interactions with Borexino. Journal of Physics: Conference Series, 2020, 1468, 012192.	0.4	0
238	Photochemistry of Flavothione and Hydroxyflavothiones: Mechanisms and Kinetics. Photochemistry and Photobiology, 2003, 77, 22.	2.5	0
239	Comprehensive measurement of pp-chain solar neutrinos with Borexino. , 2020, , .		0
240	Search for low-energy signals from fast radio bursts with the Borexino detector. European Physical Journal C, 2022, 82, 1.	3.9	0
241	Solar and geoneutrinos. Journal of Physics: Conference Series, 2021, 2156, 012002.	0.4	0
242	First Cherenkov directional detection of sub-MeV solar neutrinos in Borexino. Journal of Physics: Conference Series, 2021, 2156, 012111.	0.4	0
243	Observation of CNO cycle solar neutrinos in Borexino. Journal of Physics: Conference Series, 2021, 2156, 012128.	0.4	0
244	Precision measurement of the ${}^7\text{Be}$ solar neutrino flux and its day-night asymmetry with Borexino. Journal of Physics: Conference Series, 2012, 375, 042032.	0.4	0