Fausto Ortica

List of Publications by Year in Descending Order

224 papers	6,311 citations	38 h-index	74 g-index
246 ext. papers	7,371 ext. citations	3.7 avg, IF	5.62 L-index

#	Paper	IF	Citations
224	JUNO physics and detector. *Progress in Particle and Nuclear Physics*, **2022**, 123, 103927	10.6	0
223	Correlated and integrated directionality for sub-MeV solar neutrinos in Borexino. *Physical Review D*, **2022**, 105,	4.9	1
222	First Directional Measurement of Sub-MeV Solar Neutrinos with Borexino.. *Physical Review Letters*, **2022**, 128, 091803	7.4	1
221	Search for low-energy signals from fast radio bursts with the Borexino detector. *European Physical Journal C*, **2022**, 82, 1	4.2	
220	A study of events with photoelectric emission in the DarkSide-50 liquid argon Time Projection Chamber. *Astroparticle Physics*, **2022**, 140, 102704	2.4	0
219	The design and sensitivity of JUNO's scintillator radiopurity pre-detector OSIRIS. *European Physical Journal C*, **2021**, 81, 1	4.2	1
218	Radioactivity control strategy for the JUNO detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	1
217	JUNO sensitivity to low energy atmospheric neutrino spectra. *European Physical Journal C*, **2021**, 81, 1	4.2	1
216	Energy and daylighting performance of building integrated spirooxazine photochromic films. *Solar Energy*, **2021**,	6.8	3
215	Calibration strategy of the JUNO experiment. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	13
214	Optimization of the JUNO liquid scintillator composition using a Daya Bay antineutrino detector. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2021**, 988, 164823	1.2	12
213	Search for low-energy neutrinos from astrophysical sources with Borexino. *Astroparticle Physics*, **2021**, 125, 102509	2.4	7
212	Embedded readout electronics R&D for the large PMTs in the JUNO experiment. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2021**, 985, 164600	1.2	6
211	Synthesis of Luminescent Fused Imidazole Bicyclic Acetic Esters by a Multicomponent Palladium Iodide-Catalyzed Oxidative Alkoxycarbonylation Approach. *ChemCatChem*, **2021**, 13, 990-998	5.2	3
210	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
209	FPGA Implementation of an NCO Based CDR for the JUNO Front-End Electronics. *IEEE Transactions on Nuclear Science*, **2021**, 68, 1952-1960	1.7	
208	Feasibility and physics potential of detecting 8B solar neutrinos at JUNO. *Chinese Physics C*, **2021**, 45, 023004	2.2	7

207	Solar and geoneutrinos. *Journal of Physics: Conference Series*, **2021**, 2156, 012002	0.3	
206	Identification of the cosmogenic ^{11}C background in large volumes of liquid scintillators with Borexino. *European Physical Journal C*, **2021**, 81, 1	4.2	0
205	First Cherenkov directional detection of sub-MeV solar neutrinos in Borexino. *Journal of Physics: Conference Series*, **2021**, 2156, 012111	0.3	
204	Observation of CNO cycle solar neutrinos in Borexino. *Journal of Physics: Conference Series*, **2021**, 2156, 012128	0.3	
203	Effective field theory interactions for liquid argon target in DarkSide-50 experiment. *Physical Review D*, **2020**, 101,	4.9	1
202	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
201	Photo-Fries reaction in acetoxyphenyl thiophenes. *Journal of Photochemistry and Photobiology A: Chemistry*, **2020**, 397, 112502	4.7	
200	Improved measurement of B8 solar neutrinos with 1.5 kt□y of Borexino exposure. *Physical Review D* , **2020**, 101,	4.9	11
199	The Monte Carlo simulation of the Borexino detector. *Journal of Physics: Conference Series*, **2020**, 1342, 012035	0.3	
198	Comprehensive geoneutrino analysis with Borexino. *Physical Review D*, **2020**, 101,	4.9	23
197	Constraints on flavor-diagonal non-standard neutrino interactions from Borexino Phase-II. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	6
196	Neuronal firing modulation by a membrane-targeted photoswitch. *Nature Nanotechnology*, **2020**, 15, 296-306	28.7	38
195	High response photochromic films based on D-A diarylethenes and their application in holography.. *RSC Advances*, **2020**, 10, 26177-26187	3.7	4
194	Experimental evidence of neutrinos produced in the CNO fusion cycle in the Sun. *Nature*, **2020**, 587, 577-582	5.4	51
193	Sensitivity to neutrinos from the solar CNO cycle in Borexino. *European Physical Journal C*, **2020**, 80, 1	4.2	13
192	Synthesis and photochromic behaviour of a series of benzopyrans bearing an N-phenyl-carbazole moiety: photochromism control by the steric effect. *Photochemical and Photobiological Sciences*, **2020**, 19, 1344-1355	4.2	2
191	Distillation and stripping pilot plants for the JUNO neutrino detector: Design, operations and reliability. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2019**, 925, 6-17	1.2	10
190	GIGJ: A Crustal Gravity Model of the Guangdong Province for Predicting the Geoneutrino Signal at the JUNO Experiment. *Journal of Geophysical Research: Solid Earth*, **2019**, 124, 4231-4249	3.6	14

189	Nanoseconds Timing System Based on IEEE 1588 FPGA Implementation. *IEEE Transactions on Nuclear Science*, **2019**, 66, 1151-1158	1.7	6
188	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
187	Solar Neutrino Results and Future Opportunities with Borexino. *Journal of Physics: Conference Series*, **2019**, 1137, 012054	0.3	1
186	Simultaneous precision spectroscopy of pp, Be7, and pep solar neutrinos with Borexino Phase-II. *Physical Review D*, **2019**, 100,	4.9	34
185	Measurement of the ion fraction and mobility of 218Po produced in 222Rn decays in liquid argon. *Journal of Instrumentation*, **2019**, 14, P11018-P11018	1	
184	Charge reconstruction in large-area photomultipliers. *Journal of Instrumentation*, **2018**, 13, P02008-P02008	1.3	2
183	The Monte Carlo simulation of the Borexino detector. *Astroparticle Physics*, **2018**, 97, 136-159	2.4	20
182	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
181	Low-Mass Dark Matter Search with the DarkSide-50 Experiment. *Physical Review Letters*, **2018**, 121, 081307	7.4	169
180	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
179	Recent Borexino results and perspectives of the SOX measurement. *EPJ Web of Conferences*, **2018**, 182, 02099	0.3	
178	Chiral separation of helical chromenes with chloromethyl phenylcarbamate polysaccharide-based stationary phases. *Journal of Separation Science*, **2018**, 41, 1266-1273	3.4	13
177	Solar Neutrinos Spectroscopy with Borexino Phase-II. *Universe*, **2018**, 4, 118	2.5	1
176	DarkSide-50 532-day dark matter search with low-radioactivity argon. *Physical Review D*, **2018**, 98,	4.9	86
175	Comprehensive measurement of pp-chain solar neutrinos. *Nature*, **2018**, 562, 505-510	50.4	87
174	Constraints on Sub-GeV Dark-Matter-Electron Scattering from the DarkSide-50 Experiment. *Physical Review Letters*, **2018**, 121, 111303	7.4	85
173	Molecular-based upconversion in homo/heterogeneous liquids and in micro/nanostructured solid materials. *Dalton Transactions*, **2018**, 47, 8557-8565	4.3	3
172	Seasonal modulation of the 7 Be solar neutrino rate in Borexino. *Astroparticle Physics*, **2017**, 92, 21-29	2.4	15

171	The DarkSide Experiment: Present Status and Future. *Journal of Physics: Conference Series*, **2017**, 798, 012109	0.3	6
170	Effect of low electric fields on alpha scintillation light yield in liquid argon. *Journal of Instrumentation*, **2017**, 12, P01021-P01021	1	4
169	Triplet-triplet annihilation based upconversion in silica matrices. *Microporous and Mesoporous Materials*, **2017**, 246, 120-129	5.3	9
168	Simulation of argon response and light detection in the DarkSide-50 dual phase TPC. *Journal of Instrumentation*, **2017**, 12, P10015-P10015	1	23
167	New Insight into the Fatigue Resistance of Photochromic 1,2-Diarylethenes. *Journal of Physical Chemistry C*, **2017**, 121, 23592-23598	3.8	22
166	Cryogenic Characterization of FBK RGB-HD SiPMs. *Journal of Instrumentation*, **2017**, 12, P09030-P09030	1	9
165	Improvements in the simulation code of the SOX experiment. *Journal of Physics: Conference Series*, **2017**, 888, 012145	0.3	
164	Limiting neutrino magnetic moments with Borexino Phase-II solar neutrino data. *Physical Review D*, **2017**, 96,	4.9	54
163	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
162	Borexino: Recent results and future plans. *Physics of Particles and Nuclei*, **2017**, 48, 1026-1029	0.7	1
161	Recent Results from Borexino. *Journal of Physics: Conference Series*, **2017**, 798, 012114	0.3	
160	Borexino search for low-energy neutrino and antineutrino signals correlated with gamma-ray bursts. *Astroparticle Physics*, **2017**, 86, 11-17	2.4	11
159	CeSOX: An experimental test of the sterile neutrino hypothesis with Borexino. *Journal of Physics: Conference Series*, **2017**, 934, 012003	0.3	1
158	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
157	CALISA CALibration Insertion System for the DarkSide-50 dark matter search experiment. *Journal of Instrumentation*, **2017**, 12, T12004-T12004	1	8
156	Solar neutrino detectors as sterile neutrino hunters. *Journal of Physics: Conference Series*, **2017**, 888, 012018	0.3	1
155	Test of the electron stability with the Borexino detector. *Journal of Physics: Conference Series*, **2017**, 888, 012193	0.3	0
154	Results from the first use of low radioactivity argon in a dark matter search. *Physical Review D*, **2016**, 93,	4.9	89

153	Test of the electric charge conservation law with Borexino detector. *Journal of Physics: Conference Series*, **2016**, 675, 012025	0.3	
152	Measurement of Solar pp-neutrino flux with Borexino: results and implications. *Journal of Physics: Conference Series*, **2016**, 675, 012027	0.3	3
151	The high precision measurement of the144Ce activity in the SOX experiment. *Journal of Physics: Conference Series*, **2016**, 675, 012035	0.3	
150	First real□ime detection of solar pp neutrinos by Borexino. *EPJ Web of Conferences*, **2016**, 121, 01001	0.3	
149	The DarkSide awakens. *Journal of Physics: Conference Series*, **2016**, 718, 042016	0.3	4
148	High significance measurement of the terrestrial neutrino flux with the Borexino detector. *Journal of Physics: Conference Series*, **2016**, 718, 062025	0.3	1
147	Photoluminescence properties of La 2x Ga 2y In 2z O 3 solid solutions used as photocatalysts for water splitting and promising panchromatic emitters. *Journal of Luminescence*, **2016**, 177, 314-324	3.8	5
146	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	
145	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	
144	The144Ce source for SOX. *Journal of Physics: Conference Series*, **2016**, 675, 012032	0.3	1
143	Recent results from Borexino. *Journal of Physics: Conference Series*, **2016**, 718, 062059	0.3	
142	Short distance neutrino oscillations with Borexino. *EPJ Web of Conferences*, **2016**, 121, 01002	0.3	
141	The DarkSide Program. *EPJ Web of Conferences*, **2016**, 121, 06010	0.3	
140	Recent Borexino results and prospects for the near future. *EPJ Web of Conferences*, **2016**, 126, 02008	0.3	2
139	SOX: search for short baseline neutrino oscillations with Borexino. *Journal of Physics: Conference Series*, **2016**, 718, 062066	0.3	3
138	Geo-neutrino results with Borexino. *Journal of Physics: Conference Series*, **2016**, 675, 012029	0.3	2
137	CNO andpepsolar neutrino measurements and perspectives in Borexino. *Journal of Physics: Conference Series*, **2016**, 675, 012040	0.3	2
136	Overview and accomplishments of the Borexino experiment. *Journal of Physics: Conference Series*, **2016**, 675, 012036	0.3	1

135	Neutrino physics with JUNO. *Journal of Physics G: Nuclear and Particle Physics*, **2016**, 43, 030401	2.9	483
134	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
133	The DarkSide-50 outer detectors. *Journal of Physics: Conference Series*, **2016**, 718, 042062	0.3	
132	The search for sterile neutrinos with SOX-Borexino. *Physics of Atomic Nuclei*, **2016**, 79, 1481-1484	0.4	2
131	The electronics and data acquisition system for the DarkSide-50 veto detectors. *Journal of Instrumentation*, **2016**, 11, P12007-P12007	1	6
130	The veto system of the DarkSide-50 experiment. *Journal of Instrumentation*, **2016**, 11, P03016-P03016	1	23
129	The DarkSide project. *Journal of Instrumentation*, **2016**, 11, C02051-C02051	1	3
128	A first walk on the DarkSide. *Nuclear and Particle Physics Proceedings*, **2016**, 273-275, 452-458	0.4	
127	SOX: Short Distance Neutrino Oscillations with Borexino. *Nuclear and Particle Physics Proceedings*, **2016**, 273-275, 1760-1764	0.4	2
126	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
125	Short Distance Neutrino Oscillations with BoreXino: SOX. *Physics Procedia*, **2015**, 61, 511-517		2
124	Geo-neutrinos and Borexino. *Physics of Particles and Nuclei*, **2015**, 46, 174-181	0.7	1
123	Solar neutrino with Borexino: Results and perspectives. *Physics of Particles and Nuclei*, **2015**, 46, 166-173	0.7	4
122	Spectroscopy of geoneutrinos from 2056 days of Borexino data. *Physical Review D*, **2015**, 92,	4.9	62
121	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
120	Test of Electric Charge Conservation with Borexino. *Physical Review Letters*, **2015**, 115, 231802	7.4	27
119	Neutrino measurements from the Sun and Earth: Results from Borexino **2015**,		1
118	Geo-neutrinos from 1353 Days with the Borexino Detector. *Physics Procedia*, **2015**, 61, 340-344		1

117	P-Type Photochromism of New Helical Naphthopyrans: Synthesis and Photochemical, Photophysical and Theoretical Study. *ChemPhysChem*, **2015**, 16, 2447-58	3.2	23
116	Hydrogen Production from Water by Photolysis, Sonolysis and Sonophotolysis with Solid Solutions of Rare Earth, Gallium and Indium Oxides as Heterogeneous Catalysts. *Sustainability*, **2015**, 7, 9310-9325	1.6	29
115	The DarkSide Multiton Detector for the Direct Dark Matter Search. *Advances in High Energy Physics*, **2015**, 2015, 1-8	1	20
114	DarkSide-50: A WIMP Search with a Two-phase Argon TPC. *Physics Procedia*, **2015**, 61, 124-129		7
113	Direct Search for Dark Matter with DarkSide. *Journal of Physics: Conference Series*, **2015**, 650, 012006	0.3	6
112	A triplet-triplet annihilation based up-conversion process investigated in homogeneous solutions and oil-in-water microemulsions of a surfactant. *Photochemical and Photobiological Sciences*, **2014**, 13, 48-61	4.2	40
111	Neutrinos from the primary proton-proton fusion process in the Sun. *Nature*, **2014**, 512, 383-6	50.4	201
110	Low energy neutrinos. *International Journal of Modern Physics Conference Series*, **2014**, 31, 1460285	0.7	
109	Final results of Borexino Phase-I on low-energy solar neutrino spectroscopy. *Physical Review D*, **2014**, 89,	4.9	161
108	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	
107	Lifetime measurements of 214Po and 212Po with the CTF liquid scintillator detector at LNGS. *European Physical Journal A*, **2013**, 49, 1	2.5	13
106	SOX: Short distance neutrino Oscillations with BoreXino. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	85
105	New limits on heavy sterile neutrino mixing in B8 decay obtained with the Borexino detector. *Physical Review D*, **2013**, 88,	4.9	19
104	Neutrinos from the sun and from radioactive sources. *Nuclear Physics, Section B, Proceedings Supplements*, **2013**, 237-238, 77-81		
103	Light yield in DarkSide-10: A prototype two-phase argon TPC for dark matter searches. *Astroparticle Physics*, **2013**, 49, 44-51	2.4	31
102	Solar neutrino results from Borexino. *Nuclear Physics, Section B, Proceedings Supplements*, **2013**, 237-238, 104-106		1
101	Decay time and pulse shape discrimination of liquid scintillators based on novel solvents. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2013**, 701, 133-144	1.2	30
100	New molecular pairs for low power non-coherent triplet–triplet annihilation based upconversion: dependence on the triplet energies of sensitizer and emitter. *Journal of Luminescence*, **2013**, 135, 265-270	2.8	26

99	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
98	Recent results and future development of Borexino. *Nuclear Physics, Section B, Proceedings Supplements*, **2013**, 235-236, 55-60		3
97	Role of heteroaromatic cycles in the inter- and intra-molecular dynamics of excited aryl ketones. *Journal of Photochemistry and Photobiology C: Photochemistry Reviews*, **2013**, 16, 22-45	16.4	8
96	Cosmogenic Backgrounds in Borexino at 3800 m water-equivalent depth. *Journal of Cosmology and Astroparticle Physics*, **2013**, 2013, 049-049	6.4	50
95	DarkSide search for dark matter. *Journal of Instrumentation*, **2013**, 8, C11021-C11021	1	30
94	The role of temperature in the photochromic behaviour. *Dyes and Pigments*, **2012**, 92, 807-816	4.6	29
93	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
92	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	
91	Search for solar axions produced in the p(d,He3)A reaction with Borexino detector. *Physical Review D*, **2012**, 85,	4.9	38
90	Light and pH tunable luminescence in a photochromic bisdiarylethene. *Photochemical and Photobiological Sciences*, **2012**, 11, 785-93	4.2	7
89	A Nd-loaded liquid organic scintillator for the experiment aimed at measuring double □decay. *Instruments and Experimental Techniques*, **2012**, 55, 545-550	0.5	6
88	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
87	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
86	First evidence of pep solar neutrinos by direct detection in Borexino. *Physical Review Letters*, **2012**, 108, 051302	7.4	182
85	First evidence ofpepsolar neutrinos by direct detection in Borexino. *Journal of Physics: Conference Series*, **2012**, 375, 042030	0.3	1
84	Borexino calibrations: hardware, methods, and results. *Journal of Instrumentation*, **2012**, 7, P10018-P10018	1	52
83	Multiswitchable Acidichromic and Photochromic Bisdiarylethene. An Experimental and Theoretical Study. *Journal of Physical Chemistry C*, **2011**, 115, 23096-23106	3.8	23
82	Muon and cosmogenic neutron detection in Borexino. *Journal of Instrumentation*, **2011**, 6, P05005-P05005	1	62

81	Tetra- and tri-thienyl ethenes: new fluorescent photochromic compounds. *Photochemical and Photobiological Sciences*, **2011**, 10, 964-72	4.2	3
80	Precision measurement of the (7)Be solar neutrino interaction rate in Borexino. *Physical Review Letters*, **2011**, 107, 141302	7.4	346
79	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	1.2	2
78	Neutrino interactions at few MeV: results from Borexino at Gran Sasso. *Nuclear Physics, Section B, Proceedings Supplements*, **2011**, 212-213, 121-127		
77	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
76	Borexino: recent results, detector calibration and future perspectives. *Nuclear Physics, Section B, Proceedings Supplements*, **2011**, 217, 101-106		2
75	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
74	Effects of solvent, excitation wavelength, and concentration on the photobehavior of some diazonaphthoquinones. *Arkivoc*, **2011**, 2011, 205-220	0.9	3
73	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
72	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
71	Observation of geo-neutrinos. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2010**, 687, 299-304	4.2	167
70	Structural and photophysical characterization of some La2xGa2yIn2zO3 solid solutions, to be used as photocatalysts for H2 production from water/ethanol solutions. *Solar Energy Materials and Solar Cells*, **2010**, 94, 2265-2274	6.4	19
69	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
68	New photochromic symmetrical and unsymmetrical bis(heteroaryl)maleimides: A spectrokinetic study. *Chemical Physics*, **2009**, 358, 258-264	2.3	8
67	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
66	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
65	Synergistic effects in hydrogen production through water sonophotolysis catalyzed by new La2xGa2yIn2(1□)O3 solid solutions. *International Journal of Hydrogen Energy*, **2009**, 34, 9042-9049	6.7	32
64	200 days of Borexino data. *Nuclear Physics, Section B, Proceedings Supplements*, **2009**, 188, 90-95		

63	New thermally irreversible and fluorescent photochromic diarylethenes. *Journal of Physical Chemistry A*, **2008**, 112, 4765-71	2.8	29
62	Static and dynamic interaction of a naturally occurring photochromic molecule with bovine serum albumin studied by UV-visible absorption and fluorescence spectroscopy. *Journal of Physical Chemistry B*, **2008**, 112, 16793-801	3.4	118
61	Direct measurement of the 7Be solar neutrino flux with 192 days of borexino data. *Physical Review Letters*, **2008**, 101, 091302	7.4	309
60	Scintillator purification, detector performance and first results from Borexino. *Journal of Physics: Conference Series*, **2008**, 120, 052017	0.3	2
59	New results on solar neutrino fluxes from 192 days of Borexino data. *Journal of Physics: Conference Series*, **2008**, 136, 022001	0.3	2
58	Nd loaded liquid scintillator to search for150Nd neutrinoless double beta decay. *Journal of Physics: Conference Series*, **2008**, 136, 042088	0.3	2
57	First results on7Be solar neutrinos from the Borexino real time detector. *Journal of Physics: Conference Series*, **2008**, 120, 052006	0.3	
56	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
55	Photochromic behaviour of Berry Red studied in solution and polymer films. *Journal of Photochemistry and Photobiology A: Chemistry*, **2008**, 196, 190-196	4.7	14
54	Structure effects on the photobehaviour of 2,2-diphenyl(2H)chromenes. *Journal of Photochemistry and Photobiology A: Chemistry*, **2008**, 200, 287-293	4.7	17
53	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
52	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
51	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
50	Effects of proximity on the relaxation dynamics of flindersine and 6(5H)-phenanthridinone. *Journal of Physical Chemistry A*, **2007**, 111, 193-200	2.8	11
49	Supramolecular interaction of a spirooxazine with amino acids. *Chemical Physics Letters*, **2007**, 444, 135-139	2.3	13
48	Thermal reversibility and bistability in photochromic diarylethenes. *Inorganica Chimica Acta*, **2007**, 360, 995-999	2.7	16
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