

Iulian Bandac

List of Publications by Year in descending order

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49
papers

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citations

567281

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all docs

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docs citations

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times ranked

930
citing authors

#	ARTICLE	IF	CITATIONS
1	Radon Mitigation Applications at the Laboratorio Subterráneo de Canfranc (LSC). Universe, 2022, 8, 112.	2.5	10
2	Neutrinoless Double-Beta Decay Searches with Enriched ${}^{116}\text{CdWO}_4$ Scintillating Bolometers. Journal of Low Temperature Physics, 2020, 199, 467-474.	1.4	7
3	Evaluation of gadolinium's action on water Cherenkov detector systems with EGADS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 959, 163549.	1.6	28
4	The $0\nu\bar{\nu}2\beta^2$ -decay CROSS experiment: preliminary results and prospects. Journal of High Energy Physics, 2020, 2020, 1.	4.7	24
5	Cosmic-ray muon flux at Canfranc Underground Laboratory. European Physical Journal C, 2019, 79, 1.	3.9	15
6	Copper electroforming service at Laboratorio Subterráneo de Canfranc. AIP Conference Proceedings, 2018, . . .	0.4	3
7	First Results from CUORE: A Search for Lepton Number Violation via $\langle m_{\nu} \rangle$ Decay of ${}^{130}\text{Te}$. http://www.w3.org/1998/Math/MathML display="inline" < mml:mrow > < mml:mn > 0 < /mml:mn > < mml:mi > $\hat{1}^2$ < /mml:mi > < mml:mi > $\hat{1}^2$ < /mml:mi > < mml:mi > $\hat{1}^2$ < /mml:mi > < /mml:mrow > http://www.w3.org/1998/Math/MathML display="inline" < mml:mrow > < mml:mmultiscripts > < mml:mrow > < mml:mi > Te < /mml:mi > < /mml:mrow > < mml:mprescripts > < /mml:mprescripts > < /mml:mrow >	7.8	246
8	Characterization of a CLYC detector for underground experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 906, 150-158.	1.6	13
9	Coordinated underground measurements of gamma-ray emitting radionuclides for plasma physics research. Applied Radiation and Isotopes, 2017, 126, 121-126.	1.5	1
10	Ultra-low background and environmental measurements at Laboratorio Subterráneo de Canfranc (LSC). Applied Radiation and Isotopes, 2017, 126, 127-129.	1.5	13
11	Radiopurity assessment of the energy readout for the NEXT double beta decay experiment. Journal of Instrumentation, 2017, 12, T08003-T08003.	1.2	15
12	Calculation of total muon flux observed by Muon Monitor experiment. Journal of Physics: Conference Series, 2017, 934, 012019.	0.4	3
13	Measurement of very low ($\hat{1}\pm, n$) cross sections of astrophysical interest. Journal of Physics: Conference Series, 2016, 665, 012031.	0.4	1
14	Results of the material screening program of the NEXT experiment. Nuclear and Particle Physics Proceedings, 2016, 273-275, 2666-2668.	0.5	4
15	Radon and material radiopurity assessment for the NEXT double beta decay experiment. AIP Conference Proceedings, 2015, . . .	0.4	10
16	Radiopurity Study of an Encapsulated CeBr_3 Crystal. , 2015, . . .		0
17	Radiopurity assessment of the tracking readout for the NEXT double beta decay experiment. Journal of Instrumentation, 2015, 10, P05006-P05006.	1.2	20
18	Measurement of the neutron background at the Canfranc Underground Laboratory LSC. Astroparticle Physics, 2013, 42, 1-6.	4.3	31

#	ARTICLE	IF	CITATIONS
19	Radiopurity control in the NEXT-100 double beta decay experiment: procedures and initial measurements. Journal of Instrumentation, 2013, 8, T01002-T01002.	1.2	22
20	Radiopurity control in the NEXT-100 double beta decay experiment. , 2013, , .		8
21	Search for double- \hat{I}^2 decay of ^{130}Te to the first excited	2.9	16
22	CUORE crystal validation runs: Results on radioactive contamination and extrapolation to CUORE background. Astroparticle Physics, 2012, 35, 839-849.	4.3	62
23	Search for \hat{I}^2 +EC double beta decay of ^{120}Te . Astroparticle Physics, 2011, 34, 643-648.	4.3	17
24	^{130}Te neutrinoless double-beta decay with CUORICINO. Astroparticle Physics, 2011, 34, 822-831.	4.3	204
25	Muon-induced backgrounds in the CUORICINO experiment. Astroparticle Physics, 2010, 34, 18-24.	4.3	24
26	CUORE EXPERIMENT: THE SEARCH FOR NEUTRINOLESS DOUBLE BETA DECAY. International Journal of Modern Physics A, 2008, 23, 3395-3398.	1.5	10
27	Results from a search for the \hat{I}^2 of ^{130}Te . Physical Review C, 2008, 78.	2.9	191
28	Search for neutrinoless double beta decay with the CUORE detector. Journal of Physics: Conference Series, 2008, 110, 082001.	0.4	12
29	An active-shield method for the reduction of surface contamination in CUORE. AIP Conference Proceedings, 2007, , .	0.4	2
30	Passive Shielding in CUORE. AIP Conference Proceedings, 2007, , .	0.4	0
31	CUORE: An Experiment to Investigate for Neutrinoless Double Beta Decay by Cooling 750 kg of TeO_2 Crystals at 10mK. AIP Conference Proceedings, 2006, , .	0.4	1
32	New CUORICINO results on the way to CUORE. Physica Scripta, 2006, T127, 49-51.	2.5	2
33	Further developments in the CUORICINO experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 352-354.	1.6	5
34	The CUORICINO and CUORE double beta decay experiments. Progress in Particle and Nuclear Physics, 2006, 57, 203-216.	14.4	7
35	Cuoricino and CUORE detectors: developing big arrays of large mass bolometers for rare events physics. Nuclear Physics, Section B, Proceedings Supplements, 2006, 150, 214-218.	0.4	4
36	New CUORICINO results and status of CUORE. Physics of Atomic Nuclei, 2006, 69, 2083-2089.	0.4	1

#	ARTICLE	IF	CITATIONS
37	RESULTS FROM CUORICINO EXPERIMENT AND PROSPECTS FOR CUORE. , 2006, , .		0
38	CUORICINO status and CUORE prospects. Nuclear Physics, Section B, Proceedings Supplements, 2005, 145, 268-271.	0.4	6
39	First results of the CUORICINO experiment. Nuclear Physics, Section B, Proceedings Supplements, 2005, 138, 210-213.	0.4	1
40	New Limit on the Neutrinoless $2\nu\beta\beta$ Decay of ^{130}Te . Physical Review Letters, 2005, 95, 142501.	7.8	93
41	RESULTS FROM CUORICINO AND PROSPECTS FOR CUORE. , 2005, , .		0
42	The CUORICINO ^{130}Te $2\nu\beta\beta$ -decay experiment and a new limit on $\sigma_{\text{light}}(\text{e}^+\text{e}^- \rightarrow \text{e}^+\text{e}^- \gamma \gamma)$. Physics of Atomic Nuclei, 2004, 67, 1220-1226.	0.4	0
43	Preliminary results on the search for the neutrinoless double beta decay of ^{130}Te with the Cuoricino experiment. European Physical Journal C, 2004, 33, s814-s816.	3.9	0
44	CUORICINO: a new large bolometer array for astroparticle physics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 518, 256-258.	1.6	2
45	First results from the Cuoricino experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 132-134.	1.6	4
46	First results on neutrinoless double beta decay of ^{130}Te with the calorimetric CUORICINO experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 584, 260-268.	4.1	93
47	CUORICINO AND CUORE: RESULTS AND PROSPECTS. , 2004, , .		1
48	The CUORICINO and CUORE experiments. , 2003, , .		0
49	EXACT SOLUTIONS FOR SELF-DUAL $\text{SU}(2)$ GAUGE THEORY WITH AXIAL SYMMETRY. Modern Physics Letters A, 2001, 16, 685-692.	1.2	4