# Iulian Bandac

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10005305/publications.pdf

Version: 2024-02-01

| 49 | 1,238 | 567281 15 | 361022 35 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 50 | 50 | 50 | 930 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Results from CUORE: A Search for Lepton Number Violation via <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>0</mml:mn><mml:mi>Î½</mml:mi><mml:mi>Î²</mml:mi><mml:mi>Î²</mml:mi></mml:mrow> Decay of <mml:math xmlns:mml="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:none /><mml:mrow><mml:mn>130</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow> | 7.8 | 246 |
| 2 | 130Te neutrinoless double-beta decay with CUORICINO. Astroparticle Physics, 2011, 34, 822-831. | 4.3 | 204 |
| 3 | Results from a search for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>0</mml:mn><mml:mi>â€,</mml:mi><mml:mi>Î½</mml:mi><mml:mi>Î²</mml:mi><mml:mi> of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Te</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>130</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2008, 78, . | 2.9 | 191 |
| 4 | First results on neutrinoless double beta decay of 130Te with the calorimetric CUORICINO experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 584, 260-268. | 4.1 | 93 |
| 5 | New Limit on the NeutrinolessÎ²Î²Decay ofTe130. Physical Review Letters, 2005, 95, 142501. | 7.8 | 93 |
| 6 | CUORE crystal validation runs: Results on radioactive contamination and extrapolation to CUORE background. Astroparticle Physics, 2012, 35, 839-849. | 4.3 | 62 |
| 7 | Measurement of the neutron background at the Canfranc Underground Laboratory LSC. Astroparticle Physics, 2013, 42, 1-6. | 4.3 | 31 |
| 8 | Evaluation of gadoliniumâ€™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 |
| 9 | Muon-induced backgrounds in the CUORICINO experiment. Astroparticle Physics, 2010, 34, 18-24. | 4.3 | 24 |
| 10 | The 0Î½2Î²-decay CROSS experiment: preliminary results and prospects. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 24 |
| 11 | Radiopurity control in the NEXT-100 double beta decay experiment: procedures and initial measurements. Journal of Instrumentation, 2013, 8, T01002-T01002. | 1.2 | 22 |
| 12 | Radiopurity assessment of the tracking readout for the NEXT double beta decay experiment. Journal of Instrumentation, 2015, 10, P05006-P05006. | 1.2 | 20 |
| 13 | Search for Î²+/EC double beta decay of 120Te. Astroparticle Physics, 2011, 34, 643-648. | 4.3 | 17 |
| 14 | Search for double-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>decay of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>130</mml:mn></mml:msup></mml:math>Te to the first<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mn>0</mml:mn><mml:mo>+</mml:mo></mml:msup></mml:math>excited | 2.9 | 16 |
| 15 | Radiopurity assessment of the energy readout for the NEXT double beta decay experiment. Journal of Instrumentation, 2017, 12, T08003-T08003. | 1.2 | 15 |
| 16 | Cosmic-ray muon flux at Canfranc Underground Laboratory. European Physical Journal C, 2019, 79, 1. | 3.9 | 15 |
| 17 | Ultra-low background and environmental measurements at Laboratorio SubterrÃ¡neo de Canfranc (LSC). Applied Radiation and Isotopes, 2017, 126, 127-129. | 1.5 | 13 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Search for neutrinoless double beta decay with the CUORE detector. Journal of Physics: Conference Series, 2008, 110, 082001. | 0.4 | 12 |
| 20 | CUORE EXPERIMENT: THE SEARCH FOR NEUTRINOLESS DOUBLE BETA DECAY. International Journal of Modern Physics A, 2008, 23, 3395-3398. | 1.5 | 10 |
| 21 | Radon and material radiopurity assessment for the NEXT double beta decay experiment. AIP Conference Proceedings, 2015, , . | 0.4 | 10 |
| 22 | Radon Mitigation Applications at the Laboratorio SubterrÃ¡neo de Canfranc (LSC). Universe, 2022, 8, 112. | 2.5 | 10 |
| 23 | Radiopurity control in the NEXT-100 double beta decay experiment. , 2013, , . | | 8 |
| 24 | The CUORICINO and CUORE double beta decay experiments. Progress in Particle and Nuclear Physics, 2006, 57, 203-216. | 14.4 | 7 |
| 25 | Neutrinoless Double-Beta Decay Searches with Enriched $$^{116}hbox {CdWO}_{{4}}$$ Scintillating Bolometers. Journal of Low Temperature Physics, 2020, 199, 467-474. | 1.4 | 7 |
| 26 | CUORICINO status and CUORE prospects. Nuclear Physics, Section B, Proceedings Supplements, 2005, 145, 268-271. | 0.4 | 6 |
| 27 | 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 |
| 28 | EXACT SOLUTIONS FOR SELF-DUAL SU(2) GAUGE THEORY WITH AXIAL SYMMETRY. Modern Physics Letters A, 2001, 16, 685-692. | 1.2 | 4 |
| 29 | 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 |
| 30 | 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 |
| 31 | Results of the material screening program of the NEXT experiment. Nuclear and Particle Physics Proceedings, 2016, 273-275, 2666-2668. | 0.5 | 4 |
| 32 | Calculation of total muon flux observed by Muon Monitor experiment. Journal of Physics: Conference Series, 2017, 934, 012019. | 0.4 | 3 |
| 33 | Copper electroforming service at Laboratorio SubterrÃ¡neo de Canfranc. AIP Conference Proceedings, 2018, , . | 0.4 | 3 |
| 34 | 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 |
| 35 | New CUORICINO results on the way to CUORE. Physica Scripta, 2006, T127, 49-51. | 2.5 | 2 |
| 36 | An active-shield method for the reduction of surface contamination in CUORE. AIP Conference Proceedings, 2007, , . | 0.4 | 2 |

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|---|---|---|---|
| 37 | First results of the CUORICINO experiment. Nuclear Physics, Section B, Proceedings Supplements, 2005, 138, 210-213. | 0.4 | 1 |
| 38 | CUORE: An Experiment to Investigate for Neutrinoless Double Beta Decay by Cooling 750 kg of TeO2 Crystals at 10mK. AIP Conference Proceedings, 2006, , . | 0.4 | 1 |
| 39 | New CUORICINO results and status of CUORE. Physics of Atomic Nuclei, 2006, 69, 2083-2089. | 0.4 | 1 |
| 40 | Measurement of very low (Î±,n) cross sections of astrophysical interest. Journal of Physics: Conference Series, 2016, 665, 012031. | 0.4 | 1 |
| 41 | Coordinated underground measurements of gamma-ray emitting radionuclides for plasma physics research. Applied Radiation and Isotopes, 2017, 126, 121-126. | 1.5 | 1 |
| 42 | CUORICINO AND CUORE: RESULTS AND PROSPECTS. , 2004, , . | | 1 |
| 43 | The CUORICINO 130Te Î²Î²-decay experiment and a new limit on $$T_{{1 mathord{left/ {vphantom {1 2}} ight. kern-ulldelimiterspace} 2}}^{0u } (eta eta )$$. Physics of Atomic Nuclei, 2004, 67, 1220-1226. | 0.4 | 0 |
| 44 | Preliminary results on the search for the neutrinoless double beta decay of 130Te with the Cuoricino experiment. European Physical Journal C, 2004, 33, s814-s816. | 3.9 | 0 |
| 45 | Passive Shielding in CUORE. AIP Conference Proceedings, 2007, , . | 0.4 | 0 |
| 46 | Radiopurity Study of an Encapsulated CeBr<sub>3</sub> Crystal. , 2015, , . | | 0 |
| 47 | The CUORICINO and CUORE experiments. , 2003, , . | | 0 |
| 48 | RESULTS FROM CUORICINO AND PROSPECTS FOR CUORE. , 2005, , . | | 0 |
| 49 | RESULTS FROM CUORICINO EXPERIMENT AND PROSPECTS FOR CUORE. , 2006, , . | | 0 |