

Giacomo Gallina

List of Publications by Year in descending order

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papers

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1163117

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19
docs citations

19
times ranked

291
citing authors

#	ARTICLE	IF	CITATIONS
1	nEXO: neutrinoless double beta decay search beyond 10 ²⁸ year half-life sensitivity. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 015104.	3.6	51
2	VUV-Sensitive Silicon Photomultipliers for Xenon Scintillation Light Detection in nEXO. IEEE Transactions on Nuclear Science, 2018, 65, 2823-2833.	2.0	29
3	Characterization of the Hamamatsu VUV4 MPPCs for nEXO. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 940, 371-379.	1.6	28
4	Imaging individual barium atoms in solid xenon for barium tagging in nEXO. Nature, 2019, 569, 203-207.	27.8	26
5	Characterization of SiPM Avalanche Triggering Probabilities. IEEE Transactions on Electron Devices, 2019, 66, 4228-4234.	3.0	18
6	Stability of multiplanet systems in binaries. Astronomy and Astrophysics, 2016, 594, A89.	5.1	14
7	Enhanced biDimensional plc: an electrostatic/magnetostatic particle-in-cell code for plasma based systems. Journal of Plasma Physics, 2019, 85, .	2.1	13
8	Reflectivity and PDE of VUV4 Hamamatsu SiPMs in liquid xenon. Journal of Instrumentation, 2020, 15, P01019-P01019.	1.2	9
9	Simulation of charge readout with segmented tiles in nEXO. Journal of Instrumentation, 2019, 14, P09020-P09020.	1.2	8
10	Reflectance of Silicon Photomultipliers at Vacuum Ultraviolet Wavelengths. IEEE Transactions on Nuclear Science, 2020, 67, 2501-2510.	2.0	8
11	Characterisation of SiPM Photon Emission in the Dark. Sensors, 2021, 21, 5947.	3.8	7
12	Study of silicon photomultiplier performance in external electric fields. Journal of Instrumentation, 2018, 13, T09006-T09006.	1.2	5
13	Measurements of electron transport in liquid and gas Xenon using a laser-driven photocathode. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 972, 163965.	1.6	5
14	Reflectivity of VUV-sensitive silicon photomultipliers in liquid Xenon. Journal of Instrumentation, 2021, 16, P08002.	1.2	5
15	2D microspatial distribution uniformity of photon detection efficiency and crosstalk probability of multi-pixel photon counters. Quantum Electronics, 2020, 50, 197-200.	1.0	3
16	Event reconstruction in a liquid xenon Time Projection Chamber with an optically-open field cage. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1000, 165239.	1.6	2
17	Development of a counterbalanced pendulum thrust stand for electric propulsion. , 2017, , .		0
18	Characterisation of a new generation of VUV low-light sensors. EPJ Web of Conferences, 2020, 227, 02002.	0.3	0