

Omar Nusair

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

573
citations

840776

11
h-index

610901

24
g-index

39
all docs

39
docs citations

39
times ranked

740
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for Neutrinoless Double- β Decay with the Complete EXO-200 Dataset. <i>Physical Review Letters</i> , 2019, 123, 161802.	7.8	163
2	nEXO: neutrinoless double beta decay search beyond 10 ²⁸ year half-life sensitivity. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2022, 49, 015104.	3.6	51
3	Measurements of Fusion Reactions of Low-Intensity Radioactive Carbon Beams on ^{12}C and their Implications for the Understanding of X-Ray Bursts. <i>Physical Review Letters</i> , 2014, 112, 192701.	7.8	39
4	Multi-Sampling Ionization Chamber (MUSIC) for measurements of fusion reactions with radioactive beams. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 799, 197-202.	1.6	32
5	VUV-Sensitive Silicon Photomultipliers for Xenon Scintillation Light Detection in nEXO. <i>IEEE Transactions on Nuclear Science</i> , 2018, 65, 2823-2833.	2.0	29
6	Characterization of the Hamamatsu VUV4 MPPCs for nEXO. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 940, 371-379.	1.6	28
7	Imaging individual barium atoms in solid xenon for barium tagging in nEXO. <i>Nature</i> , 2019, 569, 203-207.	27.8	26
8	Study of $p \pm$ and p in ^{12}C and ^{13}C and their Implications for the Understanding of X-Ray Bursts. <i>Physical Review Letters</i> , 2014, 112, 192701.		

#	ARTICLE	IF	CITATIONS
19	Measurement of the Spectral Shape of the γ -Decay of ^{137}Ba using Gammasphere. Physical Review C, 2016, 93, 044607.	2.9	6
20	Study of silicon photomultiplier performance in external electric fields. Journal of Instrumentation, 2018, 13, T09006-T09006.	1.2	5
22	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
23	Reflectivity of VUV-sensitive silicon photomultipliers in liquid Xenon. Journal of Instrumentation, 2021, 16, P08002.	1.2	5
24	C+C Fusion Cross Sections Measurements for Nuclear Astrophysics. EPJ Web of Conferences, 2015, 96, 01001.	0.3	4
25	Developing laser ablation in an electron cyclotron resonance ion source for actinide detection with AMS. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 465-470.	1.4	4
26	The EXO-200 detector, part II: auxiliary systems. Journal of Instrumentation, 2022, 17, P02015.	1.2	4
27	Accelerator Mass Spectrometry in Laboratory Nuclear Astrophysics. Journal of Physics: Conference Series, 2016, 665, 012076.	0.4	3
28	Development of an Isomeric beam of ^{26}Al for nuclear reaction studies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 899, 6-9.	1.6	3
29	Efficiency determination of resistive plate chambers for fast quasi-monoenergetic neutrons. European Physical Journal A, 2014, 50, 1.	2.5	2
30	Progress of laser ablation for accelerator mass spectroscopy at ATLAS utilizing an ECRIS. Review of Scientific Instruments, 2014, 85, 02A901.	1.3	2
31	Study of the $^{20,22}\text{Ne}+^{20,22}\text{Ne}$ and $^{10,12,13,14,15}\text{C}+^{12}\text{C}$ Fusion Reactions with MUSIC. EPJ Web of Conferences, 2016, 117, 08009.	0.3	2
32	Laser ablation positive-ion AMS of neutron activated actinides. Nuclear Instruments & Methods in Physics Research B, 2019, 438, 172-179.	1.4	2
33	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
34	Study of $\hat{1}\pm$ -particle induced reactions using the MUSIC detector. AIP Conference Proceedings, 2018, , .	0.4	1
35	High radioactivity levels of radium isotopes in groundwater of the Disi aquifer. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 1995-2001.	1.5	1
36	Sensitivity analysis towards trace-uranium detection with $\hat{1}^3\text{-}\hat{1}^3$ coincidence NAA. Journal of Instrumentation, 2021, 16, P10007.	1.2	1

#	ARTICLE	IF	CITATIONS
37	Nuclear Astrophysics Studies with an Isomeric ^{26}Alm Beam. , 2017, , .		0
38	Corrections to Kusnetz method for measurements of radon progeny concentrations in air. Journal of Instrumentation, 2021, 16, T12014.	1.2	0