

M Mocko

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7394858/publications.pdf>

Version: 2024-02-01

55
papers

1,612
citations

331670

21
h-index

289244

40
g-index

56
all docs

56
docs citations

56
times ranked

1493
citing authors

#	ARTICLE	IF	CITATIONS
1	A modular apparatus for use in high-precision measurements of parity violation in polarized eV neutron transmission. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 969, 163961.	1.6	4
2	Demonstration of a single-crystal reflector-filter for enhancing slow neutron beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 830, 454-460.	1.6	4
3	Neutron-antineutron oscillations: Theoretical status and experimental prospects. Physics Reports, 2016, 612, 1-45.	25.6	138
4	A method for measuring coherent elastic neutrino-nucleus scattering at a far off-axis high-energy neutrino beam target. Physical Review D, 2014, 89, .	4.7	34
5	Triphenylmethane, a possible moderator material. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 738, 1-5.	1.6	7
6	Energy resolved neutron radiography at LANSCE pulsed neutron facility. Neutron News, 2013, 24, 28-32.	0.2	10
7	Non-destructive studies of fuel pellets by neutron resonance absorption radiography and thermal neutron radiography. Journal of Nuclear Materials, 2013, 440, 633-646.	2.7	46
8	Fourth-generation spallation neutron target-moderator-reflector-shield assembly at the Manuel Lujan Jr. neutron scattering center. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 704, 27-35.	1.6	45
9	Material science and chemistry enhancing spallation source design. Neutron News, 2013, 24, 24-27.	0.2	0
10	Two-proton decay of the ^{6}Be ground state and the double isobaric analog of ^{11}Li . Journal of Physics: Conference Series, 2013, 420, 012073.	0.4	1
11	Double isobaric analog of ^{11}Li in ^{11}B . Physical Review C, 2012, 86, .	2.9	14
12	Neutron recognition in the LAND detector for large neutron multiplicity. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 694, 47-54.	1.6	8
13	Experimental and theoretical total neutron scattering cross-section of water confined in silica microspheres. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 681, 91-93.	1.6	4
14	Isospin-dependent multifragmentation of relativistic projectiles. Physical Review C, 2011, 83, .	2.9	88
15	Ground-state proton decay of ^{69}Br and implications for therp-process ^{68}Se waiting-point. Journal of Physics: Conference Series, 2011, 312, 042020.	0.4	1
16	SPEAR $\hat{\epsilon}$ ToF neutron reflectometer at the Los Alamos Neutron Science Center. European Physical Journal Plus, 2011, 126, 1.	2.6	32
17	Experimental measurement of the neutron time-emission spectra at the Manuel Lujan Jr. Neutron Scattering Center. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 703, 1-5.	1.6	12
18	Ground-state proton decay of ^{69}Br and implications for the ^{68}Se waiting-point. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 703, 1-5.	7.8	32

#	ARTICLE	IF	CITATIONS
19	Experimental study of potential neutron moderator materials. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 624, 173-179.	1.6	3
20	Production of neutron-rich fragments with neutron number $N > N_{\text{projectile}}$ in the reaction $^{48}\text{Ca} + ^{60}\text{Tf} \rightarrow ^{10}\text{Tf} + 3\text{p} + 3\text{n}$. Physical Review Letters, 2009, 102, 232501.	3.6	3
21	Simulation and modeling for the Stand-Off Radiation Detection System (SORDS) using GEANT4. , 2009, , .		2
22	Neutron induced fission of ^{240}Pu and ^{242}Pu at 1 eV to 200 MeV. Physical Review C, 2009, 79, .	2.9	44
23	Projectile fragmentation of radioactive beams of ^{68}Ni , ^{69}Cu , and ^{72}Zn . Physical Review C, 2009, 80, .	2.9	17
24	Hybrid coded aperture and Compton imaging using an active mask. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 608, 267-274.	1.6	25
25	Mechanisms in Knockout Reactions. Physical Review Letters, 2009, 102, 232501.	7.8	41
26	Isotopic Dependence of the Nuclear Caloric Curve. Physical Review Letters, 2009, 102, 152701.	7.8	65
27	Monte Carlo study of the neutron time emission spectra at the Manuel Lujan Jr. Neutron Scattering Center. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 594, 373-381.	1.6	10
28	Isoscaling, symmetry energy and thermodynamic models. Nuclear Physics A, 2008, 813, 293-312.	1.5	14
29	Discriminant analysis and secondary-beam charge recognition. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 587, 413-419.	1.6	8
30	Advantages and limitations of nuclear physics experiments at an ISIS-class spallation neutron source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 589, 455-464.	1.6	16
31	N/Z DEPENDENCE OF PROJECTILE FRAGMENTATION. International Journal of Modern Physics E, 2008, 17, 1838-1849.	1.0	21
32	Transport model simulations of projectile fragmentation reactions at 140 MeV/nucleon. Physical Review C, 2008, 78, .	2.9	52
33	Investigation of particle-unbound excited states in light nuclei with resonance decay spectroscopy using a ^{12}Be beam. Physical Review C, 2007, 75, .	2.9	47
34	Particle decay of ^{12}Be excited states. Physical Review C, 2007, 75, .	2.9	26
35	Projectile fragmentation of ^{86}Kr at 64 MeV/nucleon. Physical Review C, 2007, 76, .	2.9	19
36	Fragmentation cross sections and binding energies of neutron-rich nuclei. Physical Review C, 2007, 76, .	2.9	52

#	ARTICLE	IF	CITATIONS
37	Cross sections of neutron-rich nuclei from projectile fragmentation: Canonical thermodynamic model estimates. <i>Physical Review C</i> , 2007, 76, .	2.9	12
38	Extrapolation of neutron-rich isotope cross-sections from projectile fragmentation. <i>Europhysics Letters</i> , 2007, 79, 12001.	2.0	14
39	The high resolution array (HiRA) for rare isotope beam experiments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 583, 302-312.	1.6	121
40	Gross Properties and Isotopic Phenomena in Spectator Fragmentation. <i>Nuclear Physics A</i> , 2007, 787, 627-632.	1.5	7
41	Neutron and Proton Transverse Emission Ratio Measurements and the Density Dependence of the Asymmetry Term of the Nuclear Equation of State. <i>Physical Review Letters</i> , 2006, 97, 052701.	7.8	200
42	Projectile fragmentation of Ca40, Ca48, Ni58, and Ni64 at 140 MeV/nucleon. <i>Physical Review C</i> , 2006, 74, .	2.9	102
43	First observation of ⁶⁰ Ge and ⁶⁴ Se. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 627, 32-37.	4.1	35
44	Mass and Isospin Effects in Multifragmentation. <i>Nuclear Physics A</i> , 2005, 749, 83-92.	1.5	15
45	One-neutron knockout of ²³ O. <i>European Physical Journal A</i> , 2005, 25, 343-346.	2.5	7
46	Discovery of ⁶⁰ Ge and ⁶⁴ Se. <i>European Physical Journal A</i> , 2005, 25, 335-338.	2.5	8
47	Structure of neutron-rich oxygen isotopes. <i>Journal of Physics C: Nuclear and Particle Physics</i> , 2005, 31, S1629-S1632.	3.6	2
48	One-neutron knockout of ²³ O. , 2005, , 343-346.		0
49	Spectroscopy of light exotic nuclei using nuclear break-up. <i>AIP Conference Proceedings</i> , 2004, , .	0.4	0
50	Shell Structure of the Near-Dripline Nucleus ²³ O. <i>Physical Review Letters</i> , 2004, 93, 062501.	7.8	78
51	Investigations and corrections of the light output uniformity of CsI(Tl) crystals. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 526, 455-476.	1.6	10
52	Nuclear structure of light exotic nuclei from break-up reactions. <i>Nuclear Physics A</i> , 2004, 746, 479-482.	1.5	4
53	Nuclear and Coulomb breakup of ⁸ B. <i>Nuclear Physics A</i> , 2003, 720, 3-19.	1.5	42
54	High-energy breakup of ⁸ B. <i>Nuclear Physics A</i> , 2003, 718, 431-433.	1.5	5

#	ARTICLE	IF	CITATIONS
55	New Results On 8B And 23O Ground State Properties. AIP Conference Proceedings, 2003, , .	0.4	0