

M Mocko

List of Publications by Year in descending order

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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	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
2	Neutron-antineutron oscillations: Theoretical status and experimental prospects. <i>Physics Reports</i> , 2016, 612, 1-45.	25.6	138
3	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
4	Projectile fragmentation of Ca40, Ca48, Ni58, and Ni64 at 140 MeV/nucleon. <i>Physical Review C</i> , 2006, 74, .	2.9	102
5	Isospin-dependent multifragmentation of relativistic projectiles. <i>Physical Review C</i> , 2011, 83, .	2.9	88
6	Shell Structure of the Near-Drip-line Nucleus O23. <i>Physical Review Letters</i> , 2004, 93, 062501.	7.8	78
7	Isotopic Dependence of the Nuclear Caloric Curve. <i>Physical Review Letters</i> , 2009, 102, 152701.	7.8	65
8	Fragmentation cross sections and binding energies of neutron-rich nuclei. <i>Physical Review C</i> , 2007, 76, .	2.9	52
9	Transport model simulations of projectile fragmentation reactions at 140 MeV/nucleon. <i>Physical Review C</i> , 2008, 78, .	2.9	52
10	Investigation of particle-unbound excited states in light nuclei with resonance-decay spectroscopy using a $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block" style="border: 1px solid black; padding: 10px; width: fit-content; margin: auto; } \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \text{ mathvariant="normal" style="font-size: 2em; } \rangle \text{Be} \langle \text{mml:mi} \text{ style="font-size: 1em; } \rangle \langle \text{mml:mprescripts} \text{ />} \langle \text{mml:none} \text{ />} \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \text{ style="font-size: 1.5em; } \rangle 12 \langle \text{mml:mn} \text{ />} \langle \text{mml:mrow} \text{ />} \langle \text{mml:mmultiscripts} \text{ />} \langle \text{mml:math} \text{ style="font-size: 1.5em; } \rangle \text{beam.}$ <i>Physical Review C</i> , 2008, 78, .	2.9	47
11	Non-destructive studies of fuel pellets by neutron resonance absorption radiography and thermal neutron radiography. <i>Journal of Nuclear Materials</i> , 2013, 440, 633-646.	2.7	46
12	Fourth-generation spallation neutron target-moderator-reflector-shield assembly at the Manuel Lujan Jr. neutron scattering center. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 704, 27-35.	1.6	45
13	Neutron induced fission of $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block" style="border: 1px solid black; padding: 10px; width: fit-content; margin: auto; } \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \text{ mathvariant="normal" style="font-size: 2em; } \rangle \text{Pu} \langle \text{mml:mi} \text{ style="font-size: 1em; } \rangle \langle \text{mml:mprescripts} \text{ />} \langle \text{mml:none} \text{ />} \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \text{ style="font-size: 1.5em; } \rangle 240 \langle \text{mml:mn} \text{ />} \langle \text{mml:mo} \text{ style="font-size: 1.5em; } \rangle \langle \text{mml:mn} \text{ style="font-size: 1.5em; } \rangle 242 \langle \text{mml:mn} \text{ />} \langle \text{mml:mrow} \text{ />} \langle \text{mml:mmultiscripts} \text{ />} \langle \text{mml:math} \text{ style="font-size: 1.5em; } \rangle 1 \text{ eV to } 200 \text{ MeV.}$ <i>Physical Review C</i> , 2009, 79, .	2.9	44
14	Nuclear and Coulomb breakup of B. <i>Nuclear Physics A</i> , 2003, 720, 3-19.	1.5	42
15	Mechanisms in Knockout Reactions. <i>Physical Review Letters</i> , 2009, 102, 232501.	7.8	41
16	First observation of 60Ge and 64Se. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 627, 32-37.	4.1	35
17	A method for measuring coherent elastic neutrino-nucleus scattering at a far off-axis high-energy neutrino beam target. <i>Physical Review D</i> , 2014, 89, .	4.7	34
18	SPEAR "ToF neutron reflectometer at the Los Alamos Neutron Science Center. <i>European Physical Journal Plus</i> , 2011, 126, 1.	2.6	32

#	ARTICLE State Proton Decay of Br and Implications for the Particle decay of Be and B_e excited states. Physical Review C, 2007, 76, . 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.	IF	CITATIONS
19	ARTICLE State Proton Decay of Br and Implications for the Particle decay of Be and B_e excited states. Physical Review C, 2007, 76, . 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.	7.8	32
20	ARTICLE State Proton Decay of Br and Implications for the Particle decay of Be and B_e excited states. Physical Review C, 2007, 76, . 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.	2.9	26
21	ARTICLE State Proton Decay of Br and Implications for the Particle decay of Be and B_e excited states. Physical Review C, 2007, 76, . 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
22	N/Z DEPENDENCE OF PROJECTILE FRAGMENTATION. International Journal of Modern Physics E, 2008, 17, 1838-1849.	1.0	21
23	Projectile fragmentation of Kr at 64 MeV/nucleon. Physical Review C, 2007, 76, .	2.9	19
24	Projectile fragmentation of radioactive beams of Ni_{68} , Cu_{69} , and Zn_{72} . Physical Review C, 2009, 80, .	2.9	17
25	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
26	Mass and Isospin Effects in Multifragmentation. Nuclear Physics A, 2005, 749, 83-92.	1.5	15
27	Extrapolation of neutron-rich isotope cross-sections from projectile fragmentation. Europhysics Letters, 2007, 79, 12001.	2.0	14
28	Isoscaling, symmetry energy and thermodynamic models. Nuclear Physics A, 2008, 813, 293-312.	1.5	14
29	Double isobaric analog of ^{11}Li in ^{11}B . Physical Review C, 2012, 86, .	2.9	14
30	Cross sections of neutron-rich nuclei from projectile fragmentation: Canonical thermodynamic model estimates. Physical Review C, 2007, 76, .	2.9	12
31	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, 632, 101-108.	1.6	12
32	Investigations and corrections of the light output uniformity of CsI(Tl) crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 526, 455-476.	1.6	10
33	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
34	Energy resolved neutron radiography at LANSCE pulsed neutron facility. Neutron News, 2013, 24, 28-32.	0.2	10
35	Discovery of ^{60}Ge and ^{64}Se . European Physical Journal A, 2005, 25, 335-338.	2.5	8
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	One-neutron knockout of ^{230}O . European Physical Journal A, 2005, 25, 343-346.	2.5	7
39	Gross Properties and Isotopic Phenomena in Spectator Fragmentation. Nuclear Physics A, 2007, 787, 627-632.	1.5	7
40	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
41	High-energy breakup of ^{8}B . Nuclear Physics A, 2003, 718, 431-433.	1.5	5
42	Nuclear structure of light exotic nuclei from break-up reactions. Nuclear Physics A, 2004, 746, 479-482.	1.5	4
43	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
44	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
45	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
46	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
47	Production of neutron-rich fragments with neutron number $N > N_{\text{projectile}}$ in the reaction $^{48}\text{Ca} (60) \text{Tj ETQq} 1 0.784314 \text{rgBT}_3 / \text{Overlock}$		
48	Structure of neutron-rich oxygen isotopes. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1629-S1632.	3.6	2
49	Simulation and modeling for the Stand-Off Radiation Detection System (SORDS) using GEANT4. , 2009, , .		2
50	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
51	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
52	New Results On ^{8}B And ^{230}O Ground State Properties. AIP Conference Proceedings, 2003, , .	0.4	0
53	Spectroscopy of light exotic nuclei using nuclear break-up. AIP Conference Proceedings, 2004, , .	0.4	0
54	Material science and chemistry enhancing spallation source design. Neutron News, 2013, 24, 24-27.	0.2	0

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IF CITATIONS

55 One-neutron knockout of ^{230}O . , 2005, , 343-346. 0