

Aj J Mitchell

List of Publications by Year in descending order

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papers

452
citations

759233

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42
all docs

42
docs citations

42
times ranked

608
citing authors

#	ARTICLE	IF	CITATIONS
1	Test of Sum Rules in Nucleon Transfer Reactions. Physical Review Letters, 2012, 108, 022501.	7.8	55
2	One-dimensionality in atomic nuclei: A candidate for linear-chain \hat{I}_{\pm} clustering in ^{14}C . Physical Review C, 2016, 93, .	2.9	53
3	Valence nucleon populations in the Ni isotopes. Physical Review C, 2013, 87, .	2.9	51
4	Valence neutron properties relevant to the neutrinoless double- \hat{I}^2 decay of ^{130}Te . Physical Review C, 2013, 87, .	2.9	37
5	Neutron single-particle strength outside the ^{13}N . Experimental study of the rearrangements of valence protons and neutrons amongst single-particle orbits during double- \hat{I}^2 decay in ^{13}N . Physical Review C, 2013, 87, .	2.9	32
6	Neutron pair correlations in ^{100}Mo involved in neutrinoless double- \hat{I}^2 decay. Physical Review C, 2017, 96, .	2.9	21
7	The X-Ray and SATURN: A new decay-spectroscopy station for CARIBU. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 763, 232-239.	1.6	18
8	Proton pair correlations and the neutrinoless double- \hat{I}^2 decay of ^{111}Cd : Confronting collective and microscopic models. Physical Review C, 2019, 100, .	2.9	14
9	Proton pair correlations and the neutrinoless double- \hat{I}^2 decay of ^{76}Ge . Physical Review C, 2013, 87, .	2.9	13
10	Identification of significant E0 strength in the ^{146}Ba and the role of transitions of $58,60,62\text{Ni}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 396-401.	2.9	13
11	Improved precision on the experimental decay branching ratio of the Hoyle state. Physical Review C, 2020, 102, .	2.9	11
12	Backscattering measurement of ^{60}Bi : Critical interaction distance. Physical Review C, 2016, 93, .	2.9	11
13	Evidence for shape coexistence and superdeformation in ^{24}Mg . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135855.	4.1	11
14	Quenching factor measurements of sodium nuclear recoils in NaI:Tl determined by spectrum fitting. Journal of Instrumentation, 2021, 16, P07034.	1.2	11
15	Transition strength in stable Ni isotopes. Physical Review C, 2019, 99, .	2.9	9
16	Applications of ^{7}Li scintillators in fast neutron spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161123.	1.6	8

#	ARTICLE	IF	CITATIONS
19	β^- -decay half-lives of ^{134}Sb and their isomeric yield ratio produced by the spontaneous fission of ^{252}Cf . Physical Review C, 2017, 96, .	2.9	7
20	Perturbed angular distributions with LaBr ₃ detectors: The g factor of the first 10+ state in Cd110 reexamined. Physical Review C, 2017, 96, .	2.9	6
21	High-spin spectroscopy and shell-model interpretation of the $N=126$ radium isotopes Ra212 and Ra213. Physical Review C, 2018, 97, .	2.9	6
22	Evidence for shape coexistence in ^{52}Cr through conversion-electron and pair-conversion spectroscopy. EPJ Web of Conferences, 2020, 232, 04004.	0.3	6
23	Emerging nuclear collectivity in ^{124}Te – ^{130}Te . EPJ Web of Conferences, 2020, 232, 04003.	0.3	5
24	Emerging collectivity in neutron-hole transitions near doubly magic ^{208}Pb . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 823, 136738.	4.1	5
25	First-excited state g factors in the stable, even Ge and Se isotopes. Physical Review C, 2019, 100, .	2.9	4
26	Solenogam: A new detector array for β^- -ray and conversion-electron spectroscopy of long-lived states in fusion-evaporation products. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 953, 163136.	1.6	3
27	Electric Monopole Transition from the Superdeformed Band in ^{66}Ca . Physical Review Letters, 2020, 125, 082501.	2.9	2
28	Investigating trends in proton single-particle states in $Z=69$ isotopes using transfer reactions. Physical Review Letters, 2022, 128, .	7.8	2
29	Investigating trends in proton single-particle states in $Z=51$ isotopes using transfer reactions. Journal of Physics: Conference Series, 2012, 381, 012099.	0.4	1
30	HELIOS - progress and possibilities. Journal of Physics: Conference Series, 2012, 381, 012095.	0.4	1
31	Recent advances in β^- -decay spectroscopy at CARIBU. EPJ Web of Conferences, 2016, 123, 04006.	0.3	1
32	High- J neutron excitations outside ^{136}Xe . Physical Review C, 2017, 96, .	2.9	1
33	β^- -ray spectroscopy of a four-quasiparticle isomer band in ^{174}Re . Physical Review C, 2020, 101, .	2.9	1
34	Ground-state and decay properties of neutron-rich ^{106}Nb . Physical Review C, 2021, 103, .	2.9	1
35	Shapes, softness, and nonyrast collectivity in ^{186}W . Physical Review C, 2021, 104, .	2.9	1
36	Trends in the g and h neutron single-particle energies in $N=51$ isotones. Journal of Physics: Conference Series, 2012, 381, 012100.	0.4	0

#	ARTICLE	IF	CITATIONS
37	Publisher's Note: Backscattering measurement of He6 on Bi209: Critical interaction distance [Phys. Rev. C93, 064607 (2016)]. Physical Review C, 2016, 94, .	2.9	0
38	Preface: 7th Heavy Ion Accelerator Symposium (HIAS) 2019. EPJ Web of Conferences, 2020, 232, 00001.	0.3	0
39	γ -ray and conversion-electron spectroscopy of the high-spin isomer in ^{145}Sm and ^{145}La . Physical Review C, 2020, 102, 014301.	0.3	0
40	First β^+ -Decay Studies with CARIBU Low-Energy Exotic Beams. , 2015, , .		0
41	The 3α Process Studied Through Pair Conversion Transitions from the Hoyle State in ^{12}C . , 2017, , .		0
42	Outreach and engagement in Australia and the Indo-Pacific region. Journal of Physics: Conference Series, 2020, 1643, 012166.	0.4	0