Aj J Mitchell

List of Publications by Year
in descending order

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42 papers	452 citations	759233 12 h-index	713466 21 g-index
42 all docs	42 docs citations	42 times ranked	608 citing authors

#	Article	IF	Citations
1	Monopole Transition from the Superdeformed Band in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ca</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>40</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review Letters, 2022, 128, .	7.8	2
2	Ground-state and decay properties of neutron-rich Nb106. Physical Review C, 2021, 103, .	2.9	1
3	Quenching factor measurements of sodium nuclear recoils in NaI:Tl determined by spectrum fitting. Journal of Instrumentation, 2021, 16, P07034.	1.2	11
4	Shapes, softness, and nonyrast collectivity in W186. Physical Review C, 2021, 104, .	2.9	1
5	Emerging collectivity in neutron-hole transitions near doubly magic 208Pb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 823, 136738.	4.1	5
6	Applications of C<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e228" altimg="si49.gif"><mml:msup><mml:mrow /><mml:mrow><mml:mn>7</mml:mn></mml:mrow></mml:msup></mml:math>LYC 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
7	Solenogam: A new detector array for Î³-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
8	Preface: 7th Heavy Ion Accelerator Symposium (HIAS) 2019. EPJ Web of Conferences, 2020, 232, 00001.	0.3	0
9	Evidence for shape coexistence in 52Cr through conversion-electron and pair-conversion spectroscopy. EPJ Web of Conferences, 2020, 232, 04004.	0.3	6
10	Improved precision on the experimental <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>E</mml:mi><mml:mn>0</mml:mn></mml:mrow></mml:math> decay branching ratio of the Hoyle state. Physical Review C, 2020, 102, .	2.9	12
11	Evidence for shape coexistence and superdeformation in 24Mg. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135855.	4.1	11
12	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î³</mml:mi></mml:math> -ray and conversion-electron spectroscopy of the high-spin isomer in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Sm</mml:mi><mml:mprescripts /><mml:none /><mml:mn>145</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2020, 102, .	2.9	0
13	Hyperfine fields at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ga</mml:mi><mml:mprescripts /><mml:none /><mml:mn>66</mml:mn></mml:mmultiscripts></mml:math> , <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ge</mml:mi><mml:mprescripts /><mml:none />	2.9	2
14	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î³</mml:mi></mml:math> -ray spectroscopy of a four-quasiparticle isomer band in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Re</mml:mi><mml:mprescripts /><mml:none /><mml:mn>174</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2020, 101, .	2.9	1
15	Emerging nuclear collectivity in 124â^'130Te. EPJ Web of Conferences, 2020, 232, 04003.	0.3	5
16	Outreach and engagement in Australia and the Indo-Pacific region. Journal of Physics: Conference Series, 2020, 1643, 012166.	0.4	0
17	First-excited state <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>g</mml:mi></mml:math> Âfactors in the stable, even Ge and Se isotopes. Physical Review C, 2019, 100, .	2.9	4
18	Spectroscopy and excited-state <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>g</mml:mi></mml:math> factors in weakly collective <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Cd</mml:mi><mml:mprescripts /><mml:none /><mml:mn>111</mml:mn></mml:mmultiscripts></mml:math> : Confronting collective and microscopic models. Physical Review C, 2019, 100, .	2.9	14

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19	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>E</mml:mi><mml:mn>0</mml:mn></mml:mrow></mml:math> transition strength in stable Ni isotopes. Physical Review C, 2019, 99, .	2.9	9
20	High-spin spectroscopy and shell-model interpretation of the NÂ< 126 radium isotopes Ra212 and Ra213. Physical Review C, 2018, 97, .	2.9	6
21	-decay half-lives of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Sb</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>134</mml:mn><mml:mo></mml:mo><mml:mn>134</mml:mn><mml:mi>m</mml:mi></mml:mrow></mml:	2.9	7
22	Identification of significant E0 strength in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msubsup><mml:mrow><mml:mn>2</mml:mn></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> stretchy="false">â†'</mml:mo><mml:msubsup><mml:mrow><mml:mn>2</mml:mn></mml:mrow><mml:mrow><mml:mn>1</mml:mn> transitions of 58,60,62Ni. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 396-401.	4.1	12
23	High- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>J</mml:mi></mml:math> neutron excitations outside <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Xe</mml:mi><mml:mprescripts /><mml:none /><mml:mn>136</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2017, 96, .	2.9	1
24	Perturbed angular distributions with LaBr3 detectors: The g factor of the first 10+ state in Cd110 reexamined. Physical Review C, 2017, 96, .	2.9	6
25	Experimental study of the rearrangements of valence protons and neutrons amongst single-particle orbits during double- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math> decay in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Mo</mml:mi><mml:mprescripts /><mml:none /><mml:mn>100</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2017, 96, .	2.9	21
26	The 3(alpha) Process Studied Through Pair Conversion Transitions from the Hoyle State in ¹²C. , 2017, , .		0
27	Recent advances inÎ²-decay spectroscopy at CARIBU. EPJ Web of Conferences, 2016, 123, 04006.	0.3	1
28	Publisher's Note: Backscattering measurement ofHe6onBi209: Critical interaction distance [Phys. Rev. C93, 064607 (2016)]. Physical Review C, 2016, 94, .	2.9	0
29	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>I</mml:mi></mml:math>-soft<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Ba</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>146</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>and the role of one-dimensionality in atomic nuclei: A candidate for linear-chain<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math>clustering in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">C</mml:mi><mml:mprescripts /><mml:none /><mml:mn>14</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2016, 93, .	2.9	13
30		2.9	53
31	Backscattering measurement ofHe6onBi209: Critical interaction distance. Physical Review C, 2016, 93, .	2.9	11
32	First Î³-Decay Studies with CARIBU Low-Energy Exotic Beams. , 2015, , .		0
33	The X-Array 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
34	Valence nucleon populations in the Ni isotopes. Physical Review C, 2013, 87, .	2.9	51
35	Proton pair correlations and the neutrinoless double-Î²decay of76Ge. Physical Review C, 2013, 87, .	2.9	13
36	Neutron single-particle strength outside the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="bold">N</mml:mi><mml:mo>=</mml:mo><mml:mn mathvariant="bold">50</mml:mn></mml:mrow></mml:math>core. Physical Review C, 2013, 87, .	2.9	32

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37	Valence neutron properties relevant to the neutrinoless double-Î²decay of130Te. Physical Review C, 2013, 87, .	2.9	37
38	Neutron pair correlations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>A</mml:mi><mml:mo>=</mml:mo><mml:mn>100</mml:mn></mml:mrow></mml:math>nuclei involved in neutrinoless double-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>decay. Physical Review C, 2012, 86, .	2.9	18
39	Test of Sum Rules in Nucleon Transfer Reactions. Physical Review Letters, 2012, 108, 022501.	7.8	55
40	Investigating trends in proton single-particle states inZ= 51 isotopes using transfer reactions. Journal of Physics: Conference Series, 2012, 381, 012099.	0.4	1
41	HELIOS - progress and possibilities. Journal of Physics: Conference Series, 2012, 381, 012095.	0.4	1
42	Trends in theg_{7/2}andh_{11/2}neutron single-particle energies inN= 51 isotones. Journal of Physics: Conference Series, 2012, 381, 012100.	0.4	0