

James Mitchell Allmond

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

1,585
citations

257450

24
h-index

345221

36
g-index

90
all docs

90
docs citations

90
times ranked

1138
citing authors

#	ARTICLE	IF	CITATIONS
1	<p>Triaxial rotor fusion of S_n and T_e Systems: Examining the Correlation between Nucleon Transfer and Fusion Enhancement. <i>Physical Review Letters</i>, 2012, 108, 162503.</p>	7.8	83
2	<p>Low-Energy Enhancement in the Photon Strength of ^{124}Te. <i>Physical Review Letters</i>, 2012, 108, 162503.</p>	7.8	72
3	<p>Shape coexistence and the role of axial asymmetry in ^{72}Ge. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i>, 2016, 754, 254-259.</p>	4.1	57
4	<p>Coulomb excitation of ^{124}Te. <i>Physical Review C</i>, 2011, 84, .</p>	2.9	55
5	<p>Triaxial rotor model for nuclei with independent inertia and electric quadrupole tensors. <i>Physical Review C</i>, 2004, 70, .</p>	2.9	54
6	<p>High-K multi-quasiparticle states in ^{254}No. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i>, 2010, 690, 19-24.</p>	4.1	53
7	<p>Search for intrinsic collective excitations in ^{152}Sm. <i>Physical Review C</i>, 2010, 81, 044307.</p>	2.9	50
8	<p>Double-Magic Nature of ^{132}Sn. <i>Physical Review Letters</i>, 2010, 105, 262501.</p>	7.8	47
9	<p>Multi-quasiparticle states in ^{256}Gd. <i>Physical Review C</i>, 2010, 81, 044307.</p>	2.9	46
10	<p>Measurement of ^{154}Gd-emission branching ratios for ^{154}Gd. <i>Physical Review C</i>, 2016, 93, .</p>	2.9	46
11	<p>First observation of low-energy ^{154}Gd-ray enhancement in the rare-earth region. <i>Physical Review C</i>, 2016, 93, .</p>	2.9	45
12	<p>Investigation into the semimagic nature of the tin isotopes through electromagnetic moments. <i>Physical Review C</i>, 2015, 92, .</p>	2.9	44
13	<p>Triaxial rotor model description of ^{235}U properties in ^{235}U region. <i>Physical Review C</i>, 2015, 92, .</p>	2.9	43
14	<p>The decays of ^{235}U. <i>Physical Review C</i>, 2015, 92, .</p>	2.9	36
15	<p>Electromagnetic properties of the ^{235}U. <i>Physical Review C</i>, 2015, 92, .</p>	2.9	36
16	<p>Influence of core excitation on single-particle orbits beyond ^{134}Te. <i>Physical Review C</i>, 2005, 71, .</p>	2.9	35
17	<p>Identification of a pairing isomeric band in ^{152}Sm. <i>Physical Review C</i>, 2005, 71, .</p>	2.9	32
18	<p>Approaching the ϵ-island of inversion ^{34}P. <i>Physical Review C</i>, 2009, 80, .</p>	2.9	28

#	ARTICLE	IF	CITATIONS
19	Transient field g factor and mean-life measurements with a rare isotope beam of ^{126}Sn . High-precision multi-quasiparticle states and rotational bands in ^{103}Lr . Physical Review C, 2009, 80, .	2.9	28
20	Magnetic moments of $^{124,126,128}\text{Sn}$. Physical Review C, 2013, 87, .	2.9	27
21	High-precision of semi-magic ^{58}Ni .	2.9	27
22	One-neutron transfer study of ^{135}Te and ^{137}Xe by particle- α coincidence measurements. The	7.8	26
23		2.9	25
24			
25			

#	ARTICLE	IF	CITATIONS
55	Statistical ³ rays in the analysis of surrogate nuclear reactions. Physical Review C, 2012, 85, .	2.9	8
56	Remnants of spherical shell structures in deformed nuclei: The impact of anN=64neutron subshell closure on the structure of N=90gadolinium nuclei. Physical Review C, 2013, 88, .	2.9	8
57	Simple correlations between electric quadrupole moments of atomic nuclei. Physical Review C, 2013, 88, .	2.9	8
58	Destructive interference of E_2 matrix elements in a triaxial rotor model. Physical Review C, 2010, 81, .	2.9	7
59	Indirect determination of neutron capture cross sections on spherical and near-spherical nuclei using the surrogate method. Physical Review C, 2012, 85, .	2.9	7
60	Inelastic neutron scattering cross sections for ^{76}Ge relevant to background in neutrinoless double- β decay	2.9	6
61	Investigation of discrete states and quasidiscrete structures observed in ^{150}Sm and ^{152}Sm using the $(p,t)^3$ reaction. Physical Review C, 2016, 94, .	2.9	6
62	Determining the (n,β^3) cross section of ^{153}Gd using surrogate reactions. AIP Conference Proceedings, 2008, , .	0.4	5
63	Spectroscopy of ^{88}Y by the $(p,d)^3$ reaction. Physical Review C, 2012, 86, .	2.9	5
64	β^3 -ray decay from neutron-bound and unbound states in ^{95}Mo and a novel technique for spin determination. Physical Review C, 2016, 93, .	2.9	5
65	One-neutron transfer study of ^{137}Xe and systematics of ^{13}O and ^{13}F levels in $N=83$ nuclei. Physical Review C, 2016, 94, .	2.9	5
66	Energy reconstruction of an n-type segmented inverted coaxial point-contact HPGe detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 868, 19-26.	1.6	5
67	Nuclear Structure Studies in the ^{132}Sn Region: Safe Coulex with Carbon Targets. Journal of Physics: Conference Series, 2015, 639, 012007.	0.4	3
68	Recent Direct Reaction Experimental Studies with Radioactive Tin Beams. Acta Physica Polonica B, 2015, 46, 537.	0.8	3
69	Surrogate Reactions in the Actinide Region. AIP Conference Proceedings, 2008, , .	0.4	2
70	Improved measurement of the half-life of the ^{152}Eu isomer	2.9	2
71	^{211}Po below 2.0 MeV via the $(\text{Tj ETQq1 1 0.784314 rBT /Overlo$	2.9	2
72	Investigation of ^{152}Sm by Complementary Reactions. , 2009, , .		1

