

Akaa D Ayangeakaa

List of Publications by Year in descending order

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78
papers

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304743

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79
all docs

79
docs citations

79
times ranked

1171
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Evidence of Octupole Deformation in Neutron-Rich ^{138}Ba . https://doi.org/10.1103/PhysRevLett.110.172504 . Physical Review Letters, 2013, 110, 172504.	7.8	118
2	Direct Evidence for Octupole Deformation in ^{136}Xe . https://doi.org/10.1103/PhysRevLett.110.172504 . Physical Review Letters, 2013, 110, 172504.	2.9	106
3	Evidence for Multiple Chiral Doublet Bands in ^{138}Ba . https://doi.org/10.1103/PhysRevLett.110.172504 . Physical Review Letters, 2013, 110, 172504.	7.8	88
4	Direct Evidence for Octupole Deformation in ^{146}Ba . https://doi.org/10.1103/PhysRevLett.110.172504 . Physical Review Letters, 2013, 110, 172504.	7.8	80
5	Superaligned ^{135}Pr . https://doi.org/10.1103/PhysRevLett.110.172504 . Physical Review Letters, 2013, 110, 172504.	7.8	79
6	Decay to Doubly Magic ^{100}Sn . https://doi.org/10.1103/PhysRevLett.110.172504 . Physical Review Letters, 2013, 110, 172504.	7.8	76
7	Shape coexistence and the role of axial asymmetry in ^{72}Ge . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 254-259.	4.1	57
8	Modeling multi-nucleon transfer in symmetric collisions of massive nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 119-124.	4.1	48
9	Shape coexistence from lifetime and branching-ratio measurements in $^{68,70}\text{Ni}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 108-113.	4.1	43
10	Two-phonon wobbling in ^{135}Pr . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 170-174.	4.1	43
11	New low-energy and shape coexistence in ^{152}Ni . https://doi.org/10.1103/PhysRevLett.110.172504 . Physical Review Letters, 2013, 110, 172504.	2.9	37
12	Longitudinal Wobbling Motion in ^{187}Au . https://doi.org/10.1103/PhysRevLett.110.172504 . Physical Review Letters, 2020, 124, 052501.	7.8	37
13	Longitudinal wobbling in ^{133}La . European Physical Journal A, 2019, 55, 1.	2.5	36
14	The ^{136}Xe and ^{138}Ba reaction: A test of models. https://doi.org/10.1103/PhysRevLett.110.172504 . Physical Review Letters, 2013, 110, 172504.	2.9	35
15	Quadrupole moments of collective structures up to spin ^{158}Er . https://doi.org/10.1103/PhysRevLett.110.172504 . Physical Review Letters, 2013, 110, 172504.	7.8	34
16	Overflow="scroll"> ^{157}Er and ^{158}Er : A challenge for understanding triaxiality in nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 702, 127-130.	4.1	31
17	Neutron-Rich Odd-Odd ^{158}Eu -Decay Spectroscopy of ^{158}Eu . https://doi.org/10.1103/PhysRevLett.110.172504 . Physical Review Letters, 2013, 110, 172504.	7.8	29
18	Examination of the low-energy enhancement of the ^{156}Fe -ray strength function of ^{156}Fe . https://doi.org/10.1103/PhysRevLett.110.172504 . Physical Review C, 2018, 97, .	2.9	28

#	ARTICLE	IF	CITATIONS
19	Sub-shell closure and shape coexistence in the transitional nucleus Zr https://doi.org/10.1088/1367-2630/19/12/123001 First Direct Measurement of ^{112}Zr γ -ray https://doi.org/10.1088/1367-2630/19/12/123001 , 2018, 98, .	2.9	28
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#	ARTICLE	IF	CITATIONS
37	Pinning the Single-Particle Character of Rotational States in ^{137}Xe . Experimental study of ^{137}Xe . Physical Review Letters, 2019, 122, 052701.	7.8	11
38	Reaction cross sections relevant to the development of collectivity in the ^{137}Xe nucleus. Physical Review Letters, 2019, 122, 052701.	2.9	11
39	Solving the Puzzles of the Decay of the Heaviest Known Proton-Emitting Nucleus ^{160}Lu . Physical Review Letters, 2021, 127, 202501.	2.9	10
40	Triaxiality and exotic rotations at high spins in ^{134}Ce . Physical Review C, 2016, 93, .	7.8	10
41	Key ^{19}Ne States Identified Affecting $\hat{\Gamma}^3$ -Ray Emission from F18 in Novae. Physical Review Letters, 2019, 122, 052701.	2.9	9
42	High-spin terminating states in the ^{137}Xe nucleus. Physical Review C, 2020, 101, .	7.8	9
43	In-beam spectroscopy of medium- and high-spin states in ^{133}Ce . Physical Review C, 2016, 93, .	2.9	9
44	Experimental investigation of the $^{12}\text{C}+^{12}\text{C}$ fusion at very low energies by direct and indirect methods. Journal of Physics: Conference Series, 2013, 420, 012151.	2.9	7
45	Tidal waves in ^{102}Pd : A phenomenological analysis. Physical Review C, 2014, 90, .	0.4	6
46	Decay of the key 92-keV resonance in the $^{25}\text{Mg}(p,\hat{\Gamma}^3)$ reaction to the ground and isomeric states of the cosmic $\hat{\Gamma}^3$ -ray emitter ^{26}Al . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 813, 136033.	2.9	6
47	Collective structures up to spin ~ 65 in the $N=90$ isotones ^{158}Er and ^{157}Ho . Journal of Physics: Conference Series, 2012, 381, 012065.	0.4	5
48	High-spin structure of odd-odd ^{172}Re . Physical Review C, 2014, 90, .	2.9	5
49	Constraining the $^{12}\text{C}+^{12}\text{C}$ fusion cross section for astrophysics. EPJ Web of Conferences, 2015, 93, 03009.	0.3	5
50	High-spin terminating states in the ^{137}Xe nucleus. Physical Review C, 2020, 101, .	2.9	5
51	One-neutron transfer study of ^{137}Xe and systematics of $13/21+$ and $13/22+$ levels in $N=83$ nuclei. Physical Review C, 2016, 94, .	2.9	5
52	Backbending, seniority, and Pauli blocking of pairing correlations at high rotational frequencies in rapidly rotating nuclei. Physical Review C, 2019, 100, .	2.9	5
53	Probing the role of proton cross-shell excitations in ^{70}Ni using nucleon knockout reactions. Physical Review C, 2019, 100, .	2.9	5

#	ARTICLE	IF	CITATIONS
55	Single-particle and dipole excitations in ^{62}Co . Physical Review C, 2022, 105, .	2.9	5
56	Recent Results at Ultrahigh Spin: Terminating States and Beyond in Mass 160 Rare-earth Nuclei. Acta Physica Polonica B, 2015, 46, 487.	0.8	4
57	^{209}Tl -ray spectroscopy of ^{209}Pb . Physical Review C, 2017, 95, .	2.9	4
58	Possible deformation evolution in the ^{171}Yb nucleus. Physical Review C, 2013, 88, .	2.9	3
59	Searching for the low-energy resonances in the $^{12}\text{C}(^{12}\text{C},n)^{23}\text{Mg}$ reaction cross section relevant for s-process nucleosynthesis. Journal of Physics: Conference Series, 2013, 420, 012141.	0.4	3
60	Persistence of collective behavior at high spin in the $N=88$ nucleus ^{153}Tb . Physical Review C, 2015, 91, .	2.9	3
61	First observation of rotational structures in ^{168}Re . Physical Review C, 2016, 94, .	2.9	3
62	The polarization sensitivity of GRETINA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1025, 166155.	1.6	3
63	Possible quenching of static neutron pairing near the ^{98}Zr deformed shell gap: Rotational structures in ^{98}Zr . Physical Review C, 2017, 95, .	2.9	2
64	First direct measurement of $^{12}\text{C}(^{12}\text{C},n)^{23}\text{Mg}$ at stellar energies. EPJ Web of Conferences, 2016, 109, 04009.	0.3	1
65	Recent advances in ^{12}C -decay spectroscopy at CARIBU. EPJ Web of Conferences, 2016, 123, 04006.	0.3	1
66	Nucleon correlations and the structure of ^{41}Zn . Physical Review C, 2017, 95, .	4.1	1
67	Study of $^{1}\pm$ -particle induced reactions using the MUSIC detector. AIP Conference Proceedings, 2018, .	0.4	1
68	Using $^{19}\text{F}(^3\text{He},t)^{19}\text{Ne}^*(^1\pm)$ to study astrophysically important levels near the $^{18}\text{F}+p$ threshold. AIP Conference Proceedings, 2019, .	0.4	1
69	Ground-state and decay properties of neutron-rich ^{106}Nb . Physical Review C, 2021, 103, .	2.9	1
70	Single-particle and collective excitations in ^{66}Zn . Physical Review C, 2022, 105, .	2.9	1
71	The Role of $^{12}\text{C}(^{12}\text{C},n)$ in the Astrophysical S-Process. Journal of Physics: Conference Series, 2012, 381, 012121.	0.4	0
72	Low-spin structure of the $N=82$ nucleus ^{137}Cs . Physical Review C, 2018, 98, .	2.9	0

#	ARTICLE	IF	CITATIONS
73	EXOTIC BEHAVIOR AT ULTRAHIGH SPIN VALUES IN LIGHT RARE-EARTH N~90 NUCLEI. , 2013, , .		0
74	First \hat{I}^3 -Decay Studies with CARIBU Low-Energy Exotic Beams. , 2015, , .		0
75	Nuclear Astrophysics Studies with an Isomeric ^{26}Alm Beam. , 2017, , .		0
76	Direct Measurement of Octupole Deformation in ^{146}Ba . , 2017, , .		0
77	Search for the $1/2^+$ intruder state in P35. Physical Review C, 2020, 102, . <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi> \hat{I} ^{1/2} </mml:mi><mml:msub><mml:mi>i</mml:mi></mml:msub></mml:mrow></mml:math> structures in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Sm</mml:mi><mml:mprescripts></mml:mprescripts></mml:math>	2.9	0
78	</><mml:none /><mml:mn>155</mml:mn></mml:mmultiscripts></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Gd</mml:mi></mml:mmultiscripts></mml:math>. Physical Rev	2.9	0