

Shaofei Zhu

List of Publications by Year in descending order

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174
papers

3,480
citations

136950

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49
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175
all docs

175
docs citations

175
times ranked

1977
citing authors

#	ARTICLE	IF	CITATIONS
37	\hat{I}^3-ray spectroscopy of Doubly magic ^{209}Pb. Physical Review C, 2017, 95, .	2.9	4
38	^{208}Pb : High-spin states, isomers, and E_{γ} collectivity in the yrast decay. Physical Review C, 2017, 95, .	2.9	21
39	Transfer Reactions with ^{134}Xe . , 2017, . .		0
40	Investigation of High-Energy Ion-Irradiated MA957 Using Synchrotron Radiation under In-Situ Tension. Materials, 2016, 9, 15.	2.9	9
41	Toward Superconducting Critical Current by Design. Advanced Materials, 2016, 28, 4593-4600.	21.0	53
42	Triaxial-band structures, chirality, and magnetic rotation in ^{133}La. Physical Review C, 2016, 94, .	2.9	25
43	Characterization of a gamma-ray tracking array: A comparison of GRETINA and Gammasphere using a ^{60}Co source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 836, 46-56.	1.6	15
44	Single-particle and collective excitations in ^{62}Ni. Physical Review C, 2016, 94, .	2.9	12
45	Population and decay of a ^{214}Pu isomer in ^{214}Po. Physical Review C, 2016, 94, .	2.9	5
46	In-beam \hat{I}^3 -ray spectroscopy of ^{63}Mn . Physical Review C, 2016, 93, .	2.9	4
47	High-precision \hat{I}^3 -ray spectroscopy of the cardiac PET imaging isotope ^{82}Rb and its impact on dosimetry. Physical Review C, 2016, 93, .	2.9	4
48	In-beam spectroscopy of medium- and high-spin states in ^{133}Ce . Physical Review C, 2016, 93, .	2.9	7
49	Triaxiality and exotic rotations at high spins in ^{134}Ce . Physical Review C, 2016, 93, .	2.9	9
50	Shell-model states with seniority 5, and 7 in odd- ^{133}Sn neutron-rich Sn isotopes. Physical Review C, 2016, 93, .	2.9	12
51	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
52	High-spin yrast structure of ^{204}Hg from the decay of a four-hole, ^{204}Hg.	2.9	11
53	Precise absolute \hat{I}^3 -ray and $\hat{I}^2\hat{\alpha}^-$ -decay branching intensities in the decay of ^{296}Cu . Physical Review C, 2015, 92, .	2.9	5
54	New low-energy and shape coexistence in ^{70}Ni. Physical Review C, 2015, 92, .	2.9	37

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55	Role of resonances in the Gamow burning window for the ^{26}Al β -decay. Physical Review Letters, 2014, 114, 082501.	7.8	79
56	Shape coexistence in ^{67}Co , $^{66,68,70,72}\text{Ni}$, and ^{71}Cu . AIP Conference Proceedings, 2015, , .	0.4	3
57	Role of the ^{26}Al β -decay in the development of collectivity in the ^{26}Al β -decay. Physical Review Letters, 2014, 114, 082501.	7.8	79
58	The case of ^{26}Al β -decay. Physical Review Letters, 2015, 114, 082501.	7.8	79
59	First β -Decay Studies with CARIBU Low-Energy Exotic Beams. , 2015, , .		0
60	High-spin structure of odd-odd ^{172}Re . Physical Review C, 2014, 90, .	2.9	5
61	Characterization of octupole-type structures in ^{221}Th . Physical Review C, 2014, 90, .	2.9	14
62	Nuclear Structure Towards ^{40}Ca . Physical Review Letters, 2014, 112, 152702.	7.8	41
63	Measurement of the Survival Probabilities for Hot Fusion Reactions. Physical Review Letters, 2014, 112, 152702.	2.9	19
64	Measurement of the Survival Probabilities for Hot Fusion Reactions. Physical Review Letters, 2014, 112, 152702.	7.8	41
65	Revised level structure of ^{120}Te . Physical Review C, 2014, 90, .	2.9	10
66	low-energy level schemes of ^{61}V and ^{63}V . Physical Review C, 2014, 90, .	2.9	10
67	Preparation of isotopic antimony targets. Journal of Radioanalytical and Nuclear Chemistry, 2014, 299, 1125-1128.	1.5	4
68	Higher-seniority excitations in even neutron-rich Sn isotopes. Physical Review C, 2014, 89, .	2.9	31
69	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
70	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
71	β and isomeric decay of ^{64}V . Physical Review C, 2014, 89, .	2.9	11
72	Upper limit on the two-photon emission branch for the $0_2^+ \rightarrow 0_1^+$ transition in ^{98}Mo . Physical Review C, 2014, 89, .	2.9	5

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73	band structures in ^{169}Lu and ^{170}Lu . Physical Review C, 2013, 87, . Search for the wobbling mode in ^{169}Lu and ^{170}Lu . Physical Review C, 2013, 87, .	2.9	12
74	Evidence for rigid triaxial deformation at low energy in ^{76}Ge . Physical Review C, 2013, 87, .	2.9	82
75	Fusion of $^{60}\text{Ni} + ^{100}\text{Mo}$ near and below the Coulomb barrier. European Physical Journal A, 2013, 49, 1.	2.5	42
76	Multiquasiparticle states in the neutron-rich nucleus ^{174}Tm . Physical Review C, 2013, 88, .	2.9	2
77	Single-particle and collective excitations in ^{63}Ni . Physical Review C, 2013, 88, .	2.9	16
78	Three-quasiparticle isomers and possible deformation in the transitional nuclide, ^{95}Au . Physical Review C, 2013, 87.	2.9	7
79	Quadrupole moments of coexisting collective shapes at high spin in ^{154}Sm . Physical Review C, 2013, 88.	2.9	5
80	Possible deformation evolution in the ^{13}Re . Physical Review C, 2013, 88.	2.9	3
81	Identification of triaxial strongly deformed bands in ^{164}Hf . Physical Review C, 2013, 88, .	2.9	7
82	EXOTIC BEHAVIOR AT ULTRAHIGH SPIN VALUES IN LIGHT RARE-EARTH N-90 NUCLEI. , 2013, , .		0
83	GAMMASPHERE AND ORRUBA: DUAL DETECTORS FOR EXPERIMENTAL STRUCTURE STUDIES. , 2013, , .		0
84	Absolute ^{154}Sm γ -to-ground band transition strengths in ^{154}Sm . Physical Review C, 2012, 86, .	2.9	8
85	Influence of the ^{58}Fe γ -to-ground band transition strengths in ^{58}Fe . Physical Review C, 2012, 86, .	2.9	42
86	High-spin proton alignments and evidence for a second band with enhanced deformation in ^{171}Hf . Physical Review C, 2012, 85, .	2.9	4
87	Nature of yrast excitations near ^{40}Ni . Physical Review C, 2012, 85, .	2.9	23
88	Intermediate-energy Coulomb excitation of $^{58,60,62}\text{Cr}$: The onset of collectivity toward $N=40$. Physical Review C, 2012, 86, .	2.9	51
89	Lifetime of the $^{2+}$ state in ^{64}Ni . Physical Review C, 2012, 85, .	2.9	30
90	Spectroscopic study of the ^{64}Ni isotopes populated in ^{66}Ni and ^{68}Ni . Physical Review C, 2012, 85, .	2.9	52

#	ARTICLE	IF	CITATIONS
91	Multi-intruder structures in $\langle \text{mml:msup} \langle \text{mml:mrow} / \rangle \langle \text{mml:mn} \rangle 34 \langle / \text{mml:mn} \rangle \langle / \text{mml:msup} \rangle \langle / \text{mml:math} \rangle$ P. Physical Review C, 2012, 85, .	2.9	13
92	Core-coupled protons, $\frac{7}{2}$ intruder states, and competing $\frac{9}{2}$ proton and neutron structures in $^{65,67}\text{Cu}$. Physical Review C, 2012, 85, . <i>Low-spin states and the non-observation of a proposed 2302 keV,</i>	2.9	26
93	<i>isomer in</i> $\langle \text{mml:msup} \langle \text{mml:mrow} / \rangle \langle \text{mml:mn} \rangle 68 \langle / \text{mml:mn} \rangle \langle / \text{mml:msup} \rangle \langle / \text{mml:math} \rangle$ Ni. Physical Review C, 2012, 86, .	2.9	36
94	High-spin structure, Isomers, and state mixing in the neutron-rich isotopes ^{173}Tm and ^{175}Tm . Physical Review C, 2012, 86, .	2.9	10
95	\hat{I}^3 -ray spectroscopy of the odd-odd $N=Z+2$ deformed proton emitter ^{112}Cs . Physical Review C, 2012, 85, .	2.9	11
96	Yrast structure of $\langle \text{mml:msup} \langle \text{mml:mrow} / \rangle \langle \text{mml:mn} \rangle 206 \langle / \text{mml:mn} \rangle \langle / \text{mml:msup} \rangle \langle / \text{mml:math} \rangle$ Bi: Isomeric states and one-proton-particle, three-neutron-hole excitations. Physical Review C, 2012, 86, .	2.9	15
97	High-spin rotational bands in ^{123}I . Physical Review C, 2012, 86, .	2.9	7
98	High, magnetic field independent critical currents in (Ba,K)Fe ₂ As ₂ crystals. Applied Physics Letters, 2012, 101, .	3.3	79
99	coincidence and fast-timing measurements using LaBr ₃ (Ce) detectors and gammasphere. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 231-233.	1.6	21
100	Nuclear structure studies along the proton dripline at ATLAS. , 2011, , .		0
101	<i>O(6)-symmetry breaking in the</i> $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle \hat{I}^3 \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$ -soft nucleus $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} / \rangle \langle \text{mml:none} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 126 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$ and its evolution in the light stable xenon isotopes. Physical Review C, 2011, 83, .	2.9	25
102	Quadrupole moment measurements for strongly deformed bands in $^{171,172}\text{Hf}$. Physical Review C, 2011, 83, .	2.9	8
103	High-spin yrast structure of ^{159}Ho . Physical Review C, 2011, 84, .	2.9	5
104	Isospin symmetry in the odd-odd mirror nuclei $^{44}\text{V}/^{44}\text{Sc}$. Physical Review C, 2011, 84, . <i>Non-yrast positive-parity structures in the</i>	2.9	12
105	<i>soft nucleus</i> $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle \hat{I}^3 \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$ $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} / \rangle \langle \text{mml:none} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 256 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$. Physical Review C, 2011, 83, .	2.9	16
106	<i>Search for a 2-quasiparticle high-</i> $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle K \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$ isomer in $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} / \rangle \langle \text{mml:none} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 256 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$. Physical Review C, 2011, 83, .	2.9	28
107	High-spin states and isomers in the one-proton-hole and three-neutron-hole $\langle \text{mml:msup} \langle \text{mml:mrow} / \rangle \langle \text{mml:mn} \rangle 204 \langle / \text{mml:mn} \rangle \langle / \text{mml:msup} \rangle \langle / \text{mml:math} \rangle$ Tl isotope. Physical Review C, 2011, 84, .	2.9	20
108	Seniority, collectivity, and $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle B \langle / \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle / \text{mml:mo} \rangle \langle \text{mml:mi} \rangle E \langle / \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle / \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \langle / \text{mml:math} \rangle$ in $\langle \text{mml:msup} \langle \text{mml:mrow} / \rangle \langle \text{mml:mn} \rangle 72 \langle / \text{mml:mn} \rangle \langle / \text{mml:msup} \rangle \langle / \text{mml:math} \rangle$ Ni. Physical Review C, 2011, 84, .	2.9	22

#	ARTICLE	IF	CITATIONS
109	NEW STRUCTURES IN 178HF AND COULOMB EXCITATION OF ISOMERS. International Journal of Modern Physics E, 2011, 20, 474-481.	1.0	4
110	Collectivity at $N < 40$ in neutron-rich Cr^{64} .	2.9	107
111	Physical Review C, 2010, 81, .	2.9	43
112	Structure of neutron-rich Cr^{64} and evidence for a 10^2 isomer in Cr^{64} .	2.9	35
113	Population of positive-parity states in Sc^{53} through band crossings in Ta^{166} .	2.9	9
114	Physical Review C, 2010, 82, .	2.9	6
115	on level structures of neutron-rich Mn^{61} .	2.9	30
116	Fusion hindrance for $Al^{27} + Sc^{45}$ and other systems with a positive Q value. Physical Review C, 2010, 81, .	2.9	28
117	Alignments, additivity, and signature inversion in odd-odd Ta^{170} : A rotational alignments in Np^{235} and the possible role of Am^{242} .	2.9	9
118	Multi-quasiparticle structures up to spin 2^+ in Am^{242} .	2.9	7
119	target Am^{242} and Am^{242} .	2.9	8
120	display="inline">44 in the odd-odd nucleus ^{44}Ms excitation from spherical ^{43}Xe nuclei. Physical Review C, 2010, 82, .	2.9	5
121	Rotational bands in odd-ACm and Cf isotopes: Exploring the highest neutron orbitals. Physical Review C, 2010, 82, .	2.9	49
122	Multi-quasiparticle structures and isomers in Er^{168} .	2.9	30
123	Structure of Fe^{60} .	2.9	24
124	the onset of Fe^{62} .	2.9	28
125	FIRST I^3 -RAY SPECTROSCOPY AND ISOSPIN SYMMETRY STUDY OF THE $N = Z - 2$ NUCLEUS ^{44}V . Modern Physics Letters A, 2010, 25, 2028-2029.	1.2	2
126	MULTI-QUASIPARTICLE ISOMERS INVOLVING PROTON-PARTICLE AND NEUTRON-HOLE CONFIGURATIONS IN ^{131}I AND ^{133}I . Modern Physics Letters A, 2010, 25, 1800-1803.	1.2	4

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127	Identification of three-quasiparticle isomers in ^{169}Ho and ^{171}Lu . Physical Review C, 2009, 80, .	2.9	9
128	Parity doubling in ^{219}Th and the onset of collectivity above $N=126$. Physical Review C, 2009, 80, .	2.9	20
129	Identification of the ^{73}Ga bands in the neutron-rich ^{73}Ga . Physical Review C, 2009, 80, .	2.9	24
130	High-lying, non-yrast shell structure in ^{52}Ti . Physical Review C, 2009, 80, .	2.9	13
131	Decay properties of high-spin isomers and other structures in ^{121}Sb and ^{123}Sb . Physical Review C, 2009, 79, .	2.9	14
132	Multi-quasiparticle isomers involving proton-particle and neutron-hole configurations in ^{131}I and ^{133}I . Physical Review C, 2009, 79, .	2.9	14
133	Low-energy structure of ^{61}Mn populated following \hat{I}^2 decay of ^{61}Cr . Physical Review C, 2009, 79, .	2.9	18
134	Levels above the ^{71}Cu in ^{71}Cu . Physical Review C, 2009, 79, .	2.9	18
135	Spectroscopy of ^{257}Rf . Physical Review C, 2009, 79, .	2.9	31
136	Robust test of $E(5)$ symmetry in ^{128}Xe . Physical Review C, 2009, 80, .	2.9	57
137	Lifetime of the ^{209}Er in the neutron-rich nucleus ^{209}Er . Physical Review C, 2009, 79, .	2.9	25
138	Properties of excited states in ^{77}Ge . Physical Review C, 2009, 80, .	2.9	4
139	Indirect nuclear physics techniques for studying nova nucleosynthesis. , 2009, , .		0
140	Identification of ^{127}Sb and ^{129}Sb isomeric states in ^{127}Sb . European Physical Journal A, 2009, 42, 163.	2.5	5
141	Thorough ^{97}Zr and particle decay investigations of ^{97}Zr . Physical Review C, 2009, 80, .	2.9	13
142	^{58}Ni and particle decay investigations of ^{58}Ni . Physical Review C, 2009, 80, .	2.9	27
143	Rotational bands in the ^{60}Zn . Physical Review C, 2009, 79, .	2.9	18
144	Extensive \hat{I}^3 -ray spectroscopy of normally and superdeformed structures in ^{61}Cu . European Physical Journal A, 2008, 36, 251-278.	2.5	21

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145	Prompt proton decay and deformed bands in Ni56. Physical Review C, 2008, 77, .	2.9	32
146	Triaxial strongly deformed bands in Tm160,161. Physical Review C, 2008, 78, .	2.9	18
147	HEAVY ION RADIATIVE CAPTURE OF $^{12}\text{C} + ^{12}\text{C}$. International Journal of Modern Physics E, 2008, 17, 2040-2043.	1.0	1
148	$K^{\pi}=8^{\sim}$ isomers and $K^{\pi}=2^{\sim}$ octupole vibrations in $N=150$ shell-stabilized isotones. Physical Review C, 2008, 78, .	2.9	47
149	Lifetime measurement of candidate chiral doublet bands in the Rh103,104 isotopes with the recoil-distance Doppler-shift method in inverse kinematics. Physical Review C, 2008, 78, .	2.9	41
150	Electromagnetic transition rates in high-spin bands in ^{136}Nd . Physical Review C, 2008, 78, .	2.9	23
151	Decay of ^{53}Ca and ^{56}Ca . Physical Review C, 2008, 77, .	2.9	30
152	High-spin, multiparticle isomers in Sb121,123. Physical Review C, 2008, 77, .	2.9	13
153	Rotation-aligned coupling in ^{61}Fe . Physical Review C, 2008, 77, .	2.9	26
154	Fusion hindrance for a positive Q-value system. Physical Review C, 2008, 78, .	2.9	49
155	SHELL MODEL STATES IN NEUTRON-RICH Ca AND Ar NUCLEI. , 2008, , .		0
156	REARRANGEMENT OF PROTON SINGLE PARTICLE ORBITALS IN NEUTRON-RICH POTASSIUM ISOTOPES ^{48}K . SPECTROSCOPY OF ^{48}K . , 2008, , .		0
157	STRUCTURE OF ^{56}Fe ISOTOPES AT THE LIMITS OF THE pf -SHELL. , 2008, , .		0
158	Prompt proton decay in the vicinity of ^{56}Ni . AIP Conference Proceedings, 2007, , .	0.4	1
159	Identification of a high-spin isomer in ^{99}Mo . Physical Review C, 2007, 76, .	2.9	4
160	Level structure of ^{92}Rh . Implications for the two-proton decay of ^{92}Ag . Physical Review C, 2007, 76, .	2.9	28
161	Nuclear shapes of highly deformed bands in $^{171,172}\text{Hf}$ and neighboring Hf isotopes. Physical Review C, 2007, 76, .	2.9	26
162	Lifetime measurements of triaxial strongly deformed bands in Tm163. Physical Review C, 2007, 75, .	2.9	15

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163	Coulomb excitation of the ^{242m}Am isomer. <i>Laser Physics</i> , 2007, 17, 745-750.	1.2	3
164	Search For Enhanced Alpha Preformation in the $N=Z+1$ Nuclei ^{113}Ba , ^{109}Xe , ^{105}Te . <i>AIP Conference Proceedings</i> , 2006, , .	0.4	2
165	Microsecond and nanosecond isomers populated in fission reactions. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	1
166	Cross-shell excitation in two-proton knockout: Structure of ^{52}Ca . <i>Physical Review C</i> , 2006, 74, .	2.9	104
167	Kisomers in ^{254}No : Probing Single-Particle Energies and Pairing Strengths in the Heaviest Nuclei. <i>Physical Review Letters</i> , 2006, 97, 082502.	7.8	104
168	One-neutron knockout in the vicinity of the $N=32$ sub-shell closure: $^{9}\text{Be}(^{57}\text{Cr}, ^{56}\text{Cr} + \hat{1}^3)\text{X}$. <i>Physical Review C</i> , 2006, 74, .	2.9	13
169	Spectroscopy of the odd-odd fp-shell nucleus ^{52}Sc from secondary fragmentation. <i>Physical Review C</i> , 2006, 73, .	2.9	11
170	Multiple octupole-type band structures in ^{220}Th : Reflection-asymmetric tidal waves?. <i>Physical Review C</i> , 2006, 74, .	2.9	28
171	Level structure of the neutron-rich $^{56,58,60}\text{Cr}$ isotopes: Single-particle and collective aspects. <i>Physical Review C</i> , 2006, 74, .	2.9	75
172	$\hat{1}^{\pm}$ decay of ^{105}Te . <i>Physical Review C</i> , 2006, 73, .	2.9	95
173	Yrast structure of ^{64}Fe . <i>Physical Review C</i> , 2006, 74, .	2.9	34
174	Development of shell closures at $N=32,34$. II. Lowest yrast excitations in even-even Ti isotopes from deep-inelastic heavy-ion collisions. <i>Physical Review C</i> , 2004, 70, .	2.9	79