

Yixiao Luo

List of Publications by Year in descending order

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97
papers

1,199
citations

361413

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98
all docs

98
docs citations

98
times ranked

560
citing authors

#	ARTICLE	IF	CITATIONS
1	Level structures of Rh110,111,112,113 from measurements on Cf252. Physical Review C, 2004, 69, .	2.9	59
2	New level schemes with high-spin states of Tc105,107,109. Physical Review C, 2004, 70, .	2.9	58
3	Half-life measurements of several states in Sr95,97,Zr97,100,104,Mo106, and Ce148. Physical Review C, 2006, 73, .	2.9	53
4	Identification of band structures and proposed one- and two-phonon \hat{I}^3 -vibrational bands in Mo105. Physical Review C, 2006, 74, .	2.9	39
5	Soft chiral vibrations in ^{106}Mo . European Physical Journal A, 2005, 25, 459-462.	2.5	38
6	Identification of $\frac{1}{2}^+_{[404]}$ band in ^{97}Sr . Physical Review C, 2003, 67, .	2.9	36
7	Identification of ^{88}Se and new levels in $^{84,86}\text{Se}$. Physical Review C, 2006, 73, .	2.9	35
8	Nuclear shape and structure in neutron-rich $^{110,111}\text{Tc}$. Physical Review C, 2006, 74, .	2.9	34
9	Identification of pseudospin partner bands in ^{108}Tc . Physical Review C, 2008, 78, .	2.9	31
10	Search for octupole correlations in neutron-rich ^{148}Ce nucleus. Physical Review C, 2006, 73, .	2.9	30
11	High-spin states in $^{91,92,93}\text{Rb}$ and $^{155,156}\text{Pm}$. Physical Review C, 2009, 80, .	2.9	30
12	Fission \hat{I}^3 spectra and levels in ^{139}Ba . Physical Review C, 2001, 64, .	2.9	29
13	Single particle states in neutron-rich ^{101}Zr . Physical Review C, 2005, 72, .	2.9	29
14	Negative parity bands of ^{115}Pd and band structures in $^{113,117}\text{Pd}$. Physical Review C, 2005, 72, .	2.9	26
15	High spin states in ^{151}Pr . Physical Review C, 2008, 78, .	2.9	26
16	Observation of new levels and proposed octupole correlations in neutron-rich ^{150}Ce . Physical Review C, 2012, 85, .	2.9	24
17	Observation of new levels and proposed octupole correlations in neutron-rich ^{150}Ce . Physical Review C, 2012, 85, .	2.9	23
18	Factor and spin-parity assignments of excited states in the ^{83}Te isotone. Physical Review C, 2010, 81, .	2.9	22

#	ARTICLE	IF	CITATIONS
19	$\pi/2$ [413]rotational band and high spin states in odd-mass $^{115,117}\text{Ag}$. Physical Review C, 2002, 65, .	2.9	21
20	Identification of high spin states in ^{100}Zr . Physical Review C, 2006, 74, .	2.9	21
21	Identification of levels in $^{162,164}\text{Gd}$ and decrease in moment of inertia between $N=98\text{--}100$. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, L43-L48.	3.6	20
22	Reinvestigation of high spin states and proposed octupole correlations in ^{147}Ce . Physical Review C, 2014, 90, .	2.9	20
23	Identification and shell model calculation of high spin states in $^{137,138}\text{Cs}$ nuclei. Physical Review C, 2007, 75, .	2.9	19
24	High-spin structure and multiphonon β -vibrations in very neutron-rich ^{114}Ru . Physical Review C, 2011, 83, .	2.9	19
25	High spin states in ^{93}Sr . Physical Review C, 2003, 67, .	2.9	18
26	Identification of levels in ^{137}Sm and high spin states in ^{137}Kr	2.9	18
27	Half-lives of several states in neutron-rich nuclei from spontaneous fission of ^{252}Cf . Physical Review C, 2004, 69, .	2.9	17
28	Identification of multi-phonon β -vibrational bands in odd- $Z^{105}\text{Nb}$. Physical Review C, 2013, 88, .	2.9	17
29	High spin structure of the neutron-rich nuclei ^{137}Cs and ^{139}Ba	2.9	16
30	Particle-hole excited states in ^{133}Te . Physical Review C, 2002, 65, .	2.9	15
31	Collective bands in $^{104,106,108}\text{Mo}$. Physics of Atomic Nuclei, 2006, 69, 1198-1203.	0.4	15
32	Identification of new collective bands in neutron-rich ^{102}Zr	2.9	15
33	Possible excited deformed rotational bands in ^{82}Ge	2.9	14
34	High spin states in ^{153}Nd and first identification of excited states in ^{155}Nd . Physical Review C, 2008, 78, .	2.9	13
35	Identification of high spin states in ^{134}Ba from ^{252}Cf fission. Physical Review C, 2009, 79, .	2.9	13
36	Signature inversion in odd-odd ^{114}Rh : First identification of high-spin states in very neutron-rich ^{114}Rh and application of the triaxial projected shell model. Physical Review C, 2011, 83, .	2.9	13

#	ARTICLE	IF	CITATIONS
37	First identification of collective bands and octupole correlations in the neutron-rich ^{143}La nucleus. Physical Review C, 2007, 75, .	2.9	12
38	New high-spin level scheme of neutron-rich ^{112}Rh . Physical Review C, 2013, 87, .	2.9	12
39	One- and two-phonon \hat{I}^3 -vibrational bands in neutron-rich ^{107}Mo . Physical Review C, 2017, 96, .	2.9	12
40	New levels and reinvestigation of octupole correlations in $^{146,147}\text{La}$. European Physical Journal A, 2017, 53, 1.	2.5	12
41	Shape transitions and triaxiality in neutron-rich odd-mass Y and Nb isotopes. European Physical Journal A, 2005, 25, 469-470.	2.5	11
42	Identification of a quasiparticle band in very neutron-rich ^{104}Zr . Physical Review C, 2010, 82, .	2.9	11
43	Proposed \hat{I}^3 octupole bands in ^{140}Xe . Physical Review C, 2016, 93, .	2.9	11
44	Coexistence of Reflection Asymmetric and Symmetric Shapes in ^{144}Ba . Physical Review Letters, 2020, 124, 152501.	7.8	11
45	Collective band structures in neutron-rich ^{106}Tc and ^{107}Mo . Physical Review C, 2009, 79, .	2.9	10
46	High spin states in ^{95}Sr . Physical Review C, 2004, 69, .	2.9	9
47	First identification of a collective band in the odd-odd ^{104}Nb nucleus. Physical Review C, 2008, 78, .	2.9	9
48	High-spin states and a new band based on the isomeric state in ^{152}Nd . European Physical Journal A, 2010, 45, 147-151.	2.5	9
49	Identification of a new side-band and proposed octupole correlations in very neutron-rich ^{152}Ce . Physical Review C, 2012, 86, .	2.9	9
50	Deformed band structures in neutron-rich ^{152}Pm isotopes. Physical Review C, 2018, 98, .	2.9	9
51	Angular momenta of fission fragments in the \hat{I}^3 -accompanied fission of ^{252}Cf . European Physical Journal A, 2005, 24, 373-378.	2.5	8
52	Half-life measurement of excited states in neutron-rich nuclei. European Physical Journal A, 2005, 25, 463-464.	2.5	8
53	Unexpected rapid variations in odd-even level staggering in gamma-vibrational bands. European Physical Journal A, 2005, 25, 471-472.	2.5	8
54	Evidence for octupole excitations in the odd-odd neutron-rich nucleus ^{142}Cs . Physical Review C, 2010, 81, .	2.9	8

#	ARTICLE	IF	CITATIONS
55	Orbital $\pi \otimes \nu 1/2$ in very neutron-rich odd-odd $[431]$	2.9	8
56	E2/M1 mixing ratios in transitions from the gamma vibrational bands to the ground state rotational bands of $102, 104, 106, 108\text{Mo}, 108, 110, 112\text{Ru},$ and $112, 114, 116\text{Pd}$. European Physical Journal A, 2018, 54, 1.	2.5	8
57	New multi-phonon gamma vibrational bands in $A \approx 110$ neutron-rich nuclei. Science China: Physics, Mechanics and Astronomy, 2011, 54, 44-48.	5.1	7
58	Investigations of short half-life states from SF of 252Cf . European Physical Journal A, 2005, 25, 465-466.	2.5	6
59	Identification of the $7/2^-$ band in neutron-rich ^{404}Ru . Physical Review C, 2008, 77, .	2.9	6
60	High-spin level structure of ^{115}Rh : Evolution of triaxiality in odd-even Rh isotopes. Physical Review C, 2011, 84, .	2.9	6
61	Identification of a possible proton two-quasiparticle band in ^{158}Sm . Physical Review C, 2014, 90, .	2.9	6
62	Anomalous neutron yields confirmed for Ba-Mo and newly observed for Ce-Zr from spontaneous fission of ^{252}Cf . Physical Review C, 2020, 101, .	2.9	6
63	New results for the intensity of bimodal fission in barium channels of the spontaneous fission of ^{252}Cf . Physical Review C, 2006, 74, .	2.9	5
64	Bimodal fission in binary and ternary spontaneous fission of ^{252}Cf . Physics of Atomic Nuclei, 2006, 69, 1161-1167.	0.4	5
65	Nuclear structure of the odd-odd ^{140}Cs nucleus. Physical Review C, 2010, 81, .	2.9	5
66	First identification of high-spin states in the odd-odd neutron-rich nucleus ^{152}Pr . Physical Review C, 2011, 84, .	2.9	5
67	Reinvestigation of s_{pm} octupole bands in neutron-rich ^{141}Xe . Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 095101.	3.6	5
68	Chiral vibrations and collective bands in ^{104}Mo . Physical Review C, 2021, 104, .	2.9	5
69	Reinvestigation of two-phonon $\hat{3}^-$ -vibrational band in neutron-rich ^{114}Pd . International Journal of Modern Physics E, 2016, 25, 1650064.	1.0	3
70	Pseudospin-doublet bands and Gallagher Moszkowski doublet bands in ^{100}Y . Physical Review C, 2021, 103, .	2.9	3
71	Search for chiral bands in $A \approx 110$ neutron-rich nuclei. Chinese Physics C, 2009, 33, 145-147.	3.7	2
72	Oblate deformation in neutron-rich $^{118,119}\text{Ag}$. Physical Review C, 2017, 95, .	2.9	2

#	ARTICLE	IF	CITATIONS
73	<p> Nd and Gd </p>	2.9	1
74	<p> Gammasphere fission-gamma-ray studies: Even-odd nuclei near $N=82$. AIP Conference Proceedings, 2002, , . </p>	0.4	0
75	<p> Identification of Gamma Transitions from He and Be Ternary Fission Fragments. Acta Physica Hungarica A Heavy Ion Physics, 2003, 18, 383-391. </p>	0.4	0
76	<p> EVEN- AND ODD-PARITY BANDS IN $108,110,112\text{Ru}$ AND ODD-PARITY DOUBLETS IN 106Mo. , 2008, , . </p>		0
77	<p> Neutron-Rich Nuclei Beyond ^{132}Sn: Spherical Shapes and Octupole Correlations. , 2010, , . </p>		0
78	<p> Reply to "Comment on "High spin structure of the neutron-rich nuclei ^{137}Ba and ^{139}La". Physical Review C, 2010, 81, . </p>	2.9	0
79	<p> New Band Structures in $A \approx 110$ Neutron-Rich Nuclei. , 2010, , . </p>		0
80	<p> TRIAXIAL AND TRIAXIAL SOFTNESS IN NEUTRON RICH Ru AND Pd NUCLEI. , 2013, , . </p>		0
81	<p> NUCLEAR STRUCTURE OF NEUTRON RICH GADOLINIUM. , 2013, , . </p>		0
82	<p> MULTI-PHONON \hat{I}^3 VIBRATIONAL BANDS IN $^{103-108}\text{Mo}$ AND $^{103,105}\text{Nb}$, CHIRAL VIBRATIONS IN $^{104,106}\text{Mo}$ AND OCTUPOLE CORRELATIONS IN $^{146,147}\text{La}$. , 2017, , . </p>		0
83	<p> \hat{I}^3-RAY EMISSION IN He, Be AND C ACCOMPANIED FISSION OF ^{252}Cf. , 2002, , . </p>		0
84	<p> YIELDS OF FRAGMENT PAIRS IN TERNARY FISSION OF ^{252}Cf. , 2003, , . </p>		0
85	<p> UNEXPECTED RAPID VARIATIONS IN ODD-EVEN LEVEL STAGGERING IN GAMMA-VIBRATIONAL BANDS. , 2005, , . </p>		0
86	<p> TECHNIQUE FOR MEASURING ANGULAR CORRELATIONS AND g-FACTORS OF EXCITED STATES WITH LARGE MULTI-DETECTOR ARRAYS: AN APPLICATION TO NEUTRON RICH NUCLEI PRODUCED IN SPONTANEOUS FISSION. , 2008, , . </p>		0
87	<p> LEVEL STRUCTURES AND DOUBLE \hat{I}^3-BANDS IN ^{105}Mo, ^{108}Mo AND ^{112}Ru. , 2008, , . </p>		0
88	<p> New results for the intensity of bimodal fission in binary and ternary spontaneous fission of ^{252}Cf. , 2008, , . </p>		0
89	<p> RESEARCH ON OCTUPOLE CORRELATIONS IN NEUTRON-RICH EVEN-EVEN Ce ISOTOPES. , 2013, , . </p>		0
90	<p> FOUR-FOLD DATA ANALYSIS OF ^{252}Cf FISSION PRODUCTS. , 2013, , . </p>		0

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91	NEW INSIGHTS INTO THE NUCLEAR STRUCTURE IN NEUTRON-RICH $^{112,114,115,116,117,118}\text{Pd}$. , 2013, , .		0
92	Doublet Octupole Bands in Neutron-Rich $^{140,141}\text{Xe}$. , 2017, , .		0
93	New Measurement of Zr-Ce Yield Matrix for ^{252}Cf . , 2017, , .		0
94	Reinvestigation of Octupole Correlations in $^{146,147}\text{La}$. , 2017, , .		0
95	Chiral Vibrations and Collective Bands in ^{104}Mo . , 2017, , .		0
96	Octupole Deformation in ^{144}Ba and ^{148}Ce . , 2017, , .		0
97	New Determination of the Mo-Ba Yield Matrix for ^{252}Cf . , 2017, , .		0