

Akunuri V Ramayya

List of Publications by Year in descending order

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180
papers

2,397
citations

201674

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times ranked

939
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of the $^{243}\text{Am} + ^{48}\text{Ca}$ reaction products previously observed in the experiments on elements 113, 115, and 117. <i>Physical Review C</i> , 2013, 87, .		157
2	Observation of ^{10}Be Emission in the Cold Ternary Spontaneous Fission of ^{252}Cf . <i>Physical Review Letters</i> , 1998, 81, 947-950.	7.8	89
3	Neutron Multiplicities and Yields of Correlated Zr-Ce and Mo-Ba Fragment Pairs in Spontaneous Fission of ^{252}Cf . <i>Physical Review Letters</i> , 1994, 73, 1477-1480.	7.8	72
4	Rotational bands in ^{101}Nb , ^{103}Nb , ^{98}Y , ^{100}Y nuclei and identification of yrast bands in ^{146}La and ^{149}Pr . <i>Physical Review C</i> , 1998, 58, 3252-3259.	2.9	71
5	New Spontaneous Fission Mode for ^{252}Cf : Indication of Hyperdeformed ^{144}Ba , ^{145}Ba , ^{146}Ba Scission. <i>Physical Review Letters</i> , 1996, 77, 32-35.	7.8	64
6	Yields of correlated fragment pairs in spontaneous fission of ^{252}Cf . <i>Physical Review C</i> , 1997, 55, 1146-1161.	2.9	62
7	Level structures of ^{110}Rh , ^{111}Rh , ^{112}Rh , ^{113}Rh from measurements on ^{252}Cf . <i>Physical Review C</i> , 2004, 69, .	2.9	59
8	Excited States in ^{176}Hf , ^{178}Hf and Shape Coexistence in Very Neutron-Deficient Hg Isotopes. <i>Physical Review Letters</i> , 1997, 78, 3650-3653.	7.8	58
9	New level schemes with high-spin states of ^{105}Tc , ^{107}Tc , ^{109}Tc . <i>Physical Review C</i> , 2004, 70, .	2.9	58
10	Half-life measurements of several states in ^{95}Sr , ^{97}Sr , ^{97}Zr , ^{100}Zr , ^{104}Mo , and ^{148}Ce . <i>Physical Review C</i> , 2006, 73, .	2.9	53
11	Shape trends and triaxiality in neutron-rich odd-mass Y and Nb isotopes. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2005, 31, 1303-1327.	3.6	48
12	First observation of the drip line nucleus ^{140}Dy : Identification of a ^{140}Dy isomer populating the ground state band. <i>Physical Review C</i> , 2002, 65, .	2.9	44
13	Multicuster accompanied fission. <i>Physical Review C</i> , 1999, 59, 3457-3460.	2.9	39
14	Identification of band structures and proposed one- and two-phonon $\hat{\Gamma}_3$ -vibrational bands in ^{105}Mo . <i>Physical Review C</i> , 2006, 74, .	2.9	39
15	Soft chiral vibrations in ^{106}Mo . <i>European Physical Journal A</i> , 2005, 25, 459-462.	2.5	38
16	EVEN-PARITY BANDS OF ^{108}Ru , ^{110}Ru , ^{112}Ru . <i>International Journal of Modern Physics E</i> , 2009, 18, 1717-1739.	1.0	37
17	Identification of $\hat{\Gamma}_{7/2}^-[404]$ band in ^{97}Sr . <i>Physical Review C</i> , 2003, 67, .	2.9	36
18	Identification of ^{88}Se and new levels in ^{84}Se , ^{86}Se . <i>Physical Review C</i> , 2006, 73, .	2.9	35

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19	Nuclear shape and structure in neutron-rich $Tc_{110,111}$. Physical Review C, 2006, 74, .	2.9	34
20	Neutron single-particle states populated via proton emission from ^{146}Tm and ^{150}Lu . Physical Review C, 2003, 68, .	2.9	31
21	Identification of pseudospin partner bands in Tc . Physical Review C, 2008, 78, .	2.9	31
22	ODD-PARITY BANDS OF $^{108, 110, 112}Ru$. International Journal of Modern Physics E, 2009, 18, 1697-1716.	1.0	31
23	Factors of first g factors of neutron-rich Xe , Ba , and Ce isotopes. Physical Review C, 2009, 79, .	2.9	31
24	Search for octupole correlations in neutron-rich Ce_{148} nucleus. Physical Review C, 2006, 73, .	2.9	30
25	High-spin states in $Rb_{91,92,93}$ and $Pm_{155,156}$. Physical Review C, 2009, 80, .	2.9	30
26	Impact of Modular Total Absorption Spectrometer measurements of $^{12}I^2$ decay of fission products on the decay heat and reactor flux calculation. Physical Review C, 2001, 64, .	7.8	30
27	Fission $^{13}I^3$ spectra and levels in ^{139}Ba . Physical Review C, 2001, 64, .	2.9	29
28	Single particle states in neutron-rich Zr . Physical Review C, 2001, 64, .	2.9	29
29	Negative parity bands of $Pd_{113,115,117}$. Physical Review C, 2005, 72, .	2.9	26
30	High spin states in Pr . Physical Review C, 2005, 72, .	2.9	26
31	Factors, spin-parity assignments, and multipole mixing ratios of excited states in N_{82} isotopes. Physical Review C, 2008, 78, .	2.9	24
32	Observation of new levels and proposed octupole correlations in neutron-rich ^{150}Ce . Physical Review C, 2012, 85, .	2.9	23
33	I^2 -decay pattern for the high-priority decay-heat isotopes ^{137}I and ^{137}Xe . Physical Review C, 2007, 75, .	2.9	23
34	Competition between terminating and collective structures above spin $40\hbar$ in ^{154}Dy . Physical Review C, 2002, 65, .	2.9	22
35	Ternary fission of Cf_{252} : $3368keV^{13}I^3$ radiation from Be_{10} fragments. Physical Review C, 2004, 69, .	2.9	22
36	g -factor and spin-parity assignments of excited states in N_{83} isotopes. Physical Review C, 2010, 81, .	2.9	22

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55	Identification of new collective bands in neutron-rich Zr . Physical Review C, 2008, 78, .	2.9	15
56	New isomeric state in $Ag116$. Physical Review C, 2005, 72, .	2.9	14
57	Possible excited deformed rotational bands in Ge . Physical Review C, 2011, 84, .	2.9	14
58	IDENTIFICATION OF HIGH-SPIN STATES IN NEUTRON-RICH $^{88,90,92}Kr$ AND ^{86}Se . International Journal of Modern Physics E, 2011, 20, 1825-1832.	1.0	14
59	Structure Of Rare-Earth Nuclei Around The Proton Drip Line. AIP Conference Proceedings, 2005, , .	0.4	13
60	High spin states in $Nd153$ and first identification of excited states in $Nd155$. Physical Review C, 2008, 78, .	2.9	13
61	Identification of high spin states in ^{134}Cf from ^{252}Cf fission. Physical Review C, 2009, 79, .	2.9	13
62	Signature inversion in odd-odd $Rh114$: First identification of high-spin states in very neutron-rich $Rh114$ and application of the triaxial projected shell model. Physical Review C, 2011, 83, .	2.9	13
63	Identification of the $^{32}_{-}[521]$ Band in ^{153}Nd and the \hat{I}^3 -Transitions in ^{149}Nd . International Journal of Modern Physics E, 1997, 06, 331-339.	1.0	12
64	First identification of collective bands and octupole correlations in the neutron-rich $La143$ nucleus. Physical Review C, 2007, 75, .	2.9	12
65	New high-spin level scheme of neutron-rich ^{112}Rh . Physical Review C, 2013, 87, .	2.9	12
66	One- and two-phonon \hat{I}^3 -vibrational bands in neutron-rich Mo . Physical Review C, 2017, 96, .	2.9	12
67	New levels and reinvestigation of octupole correlations in $^{146,147}La$. European Physical Journal A, 2017, 53, 1.	2.5	12
68	Cold binary and ternary fragmentations in spontaneous fission of ^{252}Cf . Il Nuovo Cimento A, 1997, 110, 1073-1078.	0.2	11
69	Evidence for yrast positive-parity high-spin states in odd-odd ^{72}As . Physical Review C, 1998, 57, 97-103.	2.9	11
70	Shape transitions and triaxiality in neutron-rich odd-mass Y and Nb isotopes. European Physical Journal A, 2005, 25, 469-470.	2.5	11
71	Identification of a quasiparticle band in very neutron-rich Zr . Physical Review C, 2010, 82, .	2.9	11
72	Proposed \hat{I}^3 octupole bands in $Xe140$. Physical Review C, 2016, 93, .	2.9	11

#	ARTICLE	IF	CITATIONS
73	Coexistence of Reflection Asymmetric and Symmetric Shapes in ^{138}Ba . Physical Review Letters, 2020, 124, 032501.	7.8	11
74	Cold and hot binary and ternary fission yields in the spontaneous fission of ^{252}Cf . <i>Physics of Atomic Nuclei</i> , 2002, 65, 645-652.	0.4	10
75	Identification of levels in ^{162}Gd and decrease in moment of inertia between $N = 98-100$. <i>European Physical Journal A</i> , 2005, 25, 467-468.	2.5	10
76	Collective band structures in neutron-rich ^{106}Tc and ^{107}Mo . <i>Physical Review C</i> , 2009, 79, .	2.9	10
77	One-phonon octupole vibrational states in ^{136}Xe , ^{137}Cs , ^{138}Ba , ^{140}Ce and ^{142}Nd with $N = 82$. <i>European Physical Journal A</i> , 2013, 49, 1.	2.5	10
78	Binary and ternary cold fission of ^{252}Cf . <i>Il Nuovo Cimento A</i> , 1997, 110, 1079-1087.	0.2	9
79	Search for scission neutrons in the spontaneous fission of ^{252}Cf . <i>Physical Review C</i> , 1999, 60, .	2.9	9
80	5Heterary fission yields of ^{252}Cf and $^{235}\text{U}(n,f)$. <i>Physical Review C</i> , 2000, 61, .	2.9	9
81	High spin states in ^{95}Sr . <i>Physical Review C</i> , 2004, 69, .	2.9	9
82	First identification of a collective band in the odd-odd ^{104}Nb nucleus. <i>Physical Review C</i> , 2008, 78, .	2.9	9
83	High-spin states and a new band based on the isomeric state in ^{152}Nd . <i>European Physical Journal A</i> , 2010, 45, 147-151.	2.5	9
84	Identification of a new side-band and proposed octupole correlations in very neutron-rich ^{152}Ce . <i>Physical Review C</i> , 2012, 86, .	2.9	9
85	Deformed band structures in neutron-rich ^{152}Pm $\hat{=}$ "158 isotopes. <i>Physical Review C</i> , 2018, 98, .	2.9	9
86	Two-Quasiparticle Bands and Isomers in ^{98}Sr . <i>Chinese Physics Letters</i> , 2004, 21, 2147-2150.	3.3	8
87	Angular momenta of fission fragments in the $\hat{=}$ -accompanied fission of ^{252}Cf . <i>European Physical Journal A</i> , 2005, 24, 373-378.	2.5	8
88	Half-life measurement of excited states in neutron-rich nuclei. <i>European Physical Journal A</i> , 2005, 25, 463-464.	2.5	8
89	Unexpected rapid variations in odd-even level staggering in gamma-vibrational bands. <i>European Physical Journal A</i> , 2005, 25, 471-472.	2.5	8
90	Evidence for octupole excitations in the odd-odd neutron-rich nucleus ^{142}Cs . <i>Physical Review C</i> , 2010, 81, .	2.9	8

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109	Fine structure in proton emission. AIP Conference Proceedings, 2002, , .	0.4	3
110	Reinvestigation of two-phonon \hat{I}^3 -vibrational band in neutron-rich ^{114}Pd . International Journal of Modern Physics E, 2016, 25, 1650064.	1.0	3
111	\hat{I}^3 -vibrational levels populated in the Cd decay	2.9	3
112	Pseudospin-doublet bands and Gallagher Moszkowski doublet bands in Cd	2.9	3
113	Nuclear structure studies in the medium mass ($A \approx 70$) region. IEEE Transactions on Nuclear Science, 1981, 28, 1273-1278.	2.0	2
114	Stable and vibrational octupole modes in neutron rich nuclei. , 1999, , .		2
115	Fine structure in one-proton emission studied at Oak Ridge. AIP Conference Proceedings, 2003, , .	0.4	2
116	Study of the $N = 77$ odd- Z isotones near the proton-drip line. European Physical Journal A, 2005, 25, 151-153.	2.5	2
117	$N = 50$ SHELL GAP EVOLUTION AND PARTICLE "HOLE" EXCITATIONS IN ^{82}Ge , ^{84}Se AND ^{86}Kr . International Journal of Modern Physics E, 2012, 21, 1250020.	1.0	2
118	Oblate deformation in neutron-rich $\text{Ag}^{118,119}$. Physical Review C, 2017, 95, .	2.9	2
119	Nuclear orientation of ^{96}Tc . Physical Review C, 1999, 60, .	2.9	1
120	A search for neutron single-particle states populated via proton emission from ^{146}Tm . AIP Conference Proceedings, 2000, , .	0.4	1
121	FIFTY YEARS OF DISCOVERIES IN NUCLEAR STRUCTURE. International Journal of Modern Physics E, 2007, 16, 983-993.	1.0	1
122	Complete and Incomplete Fusion of ^6He and ^6Li Projectiles with Medium Mass Targets at Energy $\approx 10\text{ A MeV}$. , 2009, , .		1
123	Possible very anharmonic one- and two-phonon \hat{I}^3 -vibrational bands in ^{103}Mo . International Journal of Modern Physics E, 2017, 26, 1750030.	1.0	1
124	New levels in spherical ^{96}Y . International Journal of Modern Physics E, 2018, 27, 1850051.	1.0	1
125	IDENTIFICATION OF EXCITED 10BE CLUSTERS BORN IN TERNARY FISSION OF ^{252}Cf . , 2004, , .		1
126	A new phenomenon "shifted identical bands and new region of stable octupole deformation. Il Nuovo Cimento A, 1998, 111, 633-643.	0.1	1

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127	Proposed recoil mass spectrometer for heavy ion reactions. AIP Conference Proceedings, 1987, , .	0.4	0
128	Yields of correlated fragment pairs and neutron multiplicity in spontaneous fission of [²⁴² Pu. , 1998, , .		0
129	New fission mode of the. , 1998, , .		0
130	Behavior of Nuclear Matter under Extreme Conditions in Fission. Acta Physica Hungarica A Heavy Ion Physics, 2001, 14, 161-168.	0.4	0
131	Shifted identical bands: A new phenomenon. Physics of Atomic Nuclei, 2001, 64, 1157-1164.	0.4	0
132	Gammasphere fission-gamma-ray studies: Even-odd nuclei near N=82. AIP Conference Proceedings, 2002, , .	0.4	0
133	Identification of Gamma Transitions from He and Be Ternary Fission Fragments. Acta Physica Hungarica A Heavy Ion Physics, 2003, 18, 383-391.	0.4	0
134	UNEXPECTED DECREASE IN MOMENT OF INERTIA BETWEEN N = 98 - 100 IN ^{162,164}GD. , 2005, , .		0
135	Experiment aimed at the study of ²⁵² Cf binary and ternary fission. Physics of Atomic Nuclei, 2006, 69, 1405-1408.	0.4	0
136	RECENT EXPERIMENTS AT GAMMASPHERE INTENDED TO THE STUDY OF ²⁵² CF SPONTANEOUS FISSION. , 2008, , .		0
137	EVEN- AND ODD-PARITY BANDS IN ^{108,110,112} Ru AND ODD-PARITY DOUBLETS IN ¹⁰⁶ Mo. , 2008, , .		0
138	Fragment yields obtained at gammasphere for the ternary fission of [²⁵² Cf. , 2009, , .		0
139	Neutron-Rich Nuclei Beyond [¹³² Sn: Spherical Shapes and Octupole Correlations. , 2010, , .		0
140	Reply to "Comment on "High spin structure of the neutron-rich nuclei ¹³⁷ and ¹³⁹ â€™â€œ. Physical Review C, 2010, 81, .	2.9	0
141	New Band Structures in A ^{1/4} 110 Neutron-Rich Nuclei. , 2010, , .		0
142	NEW RESULTS FOR ELEMENTS 115, 117, AND 118 PRODUCED IN THE REACTIONS ²⁴³ Am+ ⁴⁸ Ca AND ²⁴⁹ Bk/ ²⁴⁹ Cf+ ⁴⁸ Ca. , 2013, , .		0
143	SEARCH FOR TWO-PHONON OCTUPOLE VIBRATIONAL STATES AND MULTIPLIETS IN Sr AND Zr NUCLEI. , 2013, , .		0
144	HIGH-SPIN STRUCTURES OF VERY NEUTRON-RICH ^{114,115} Rh. , 2013, , .		0

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145	NUCLEAR STRUCTURE OF NEUTRON RICH GADOLINIUM. , 2013, , .		0
146	MULTI-PHONON $\hat{\Gamma}^3$ VIBRATIONAL BANDS IN ¹⁰³⁻¹⁰⁸ Mo AND ^{103,105} Nb, CHIRAL VIBRATIONS IN ^{104,106} Mo AND OCTUPOLE CORRELATIONS IN ^{146,147} La. , 2017, , .		0
147	Some Aspects of Nuclear Structure. , 2018, , 169-181.		0
148	First observation of collective rotational bands in neutron-rich ¹⁴² La and the study of octupole/triaxial deformations in ^{142,143} La. International Journal of Modern Physics E, 2021, 30, 2150037.	1.0	0
149	NEW VISTAS OF FISSION AND NEUTRON RICH NUCLEI. , 2001, , .		0
150	Fission studies with large detector arrays. , 2001, , .		0
151	STUDY ON ODD-Z NUCLEI PRODUCED IN SF OF ²⁵² Cf. , 2002, , .		0
152	$\hat{\Gamma}^3$ -RAY EMISSION IN ^{He} , ^{Be} AND ^C ACCOMPANIED FISSION OF ²⁵² Cf. , 2002, , .		0
153	YIELDS OF FRAGMENT PAIRS IN TERNARY FISSION OF ²⁵² Cf. , 2003, , .		0
154	TERNARY FISSION OF ²⁵² Cf: IDENTIFICATION OF ¹⁰ Be CLUSTERS. , 2003, , .		0
155	HEAVY ION RADIOACTIVITIES. , 2003, , .		0
156	SHIFTED IDENTICAL BANDS FROM Pt TO Pb. , 2005, , .		0
157	UNEXPECTED RAPID VARIATIONS IN ODD-EVEN LEVEL STAGGERING IN GAMMA-VIBRATIONAL BANDS. , 2005, , .		0
158	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, , .		0
159	IDENTIFICATION OF LEVELS IN ¹⁴⁴ Cs. , 2008, , .		0
160	IDENTIFICATION OF HIGH SPIN STATES IN ^{137,138} Cs NUCLEI AND SHELL MODEL CALCULATIONS. , 2008, , .		0
161	LEVEL STRUCTURES AND DOUBLE $\hat{\Gamma}^3$ -BANDS IN ¹⁰⁵ Mo, ¹⁰⁸ Mo AND ¹¹² Ru. , 2008, , .		0
162	New results for the intensity of bimodal fission in binary and ternary spontaneous fission of ²⁵² Cf. , 2008, , .		0

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163	RESEARCH ON OCTUPOLE CORRELATIONS IN NEUTRON-RICH EVEN-EVEN Ce ISOTOPES. , 2013, , .		0
164	FIRST MEASUREMENT OF HALF-LIVES OF r-PROCESS Zn AND Ga ISOTOPES. , 2013, , .		0
165	FOUR-FOLD DATA ANALYSIS OF ²⁵² Cf FISSION PRODUCTS. , 2013, , .		0
166	IDENTIFICATION OF NEW LEVELS AND PROPOSED OCTUPOLE CORRELATIONS IN NEUTRON-RICH ^{150,152} Ce. , 2013, , .		0
167	FIRST RESULTS OF DECAY HEAT MEASUREMENTS WITH MTAS AT THE HRIBF. , 2013, , .		0
168	NEW INSIGHTS INTO THE NUCLEAR STRUCTURE IN NEUTRON-RICH ^{112,114,115,116,117,118} Pd. , 2013, , .		0
169	NEW RESEARCH OPPORTUNITIES WITH A RECOIL MASS SPECTROMETER AND RADIOACTIVE ION BEAMS. , 1996, , .		0
170	Triaxial Deformations and the Proton Intruder Orbital $\frac{1}{2}^{+}[431]$ in Very Neutron-Rich Odd-Odd Nb Isotopes. , 2015, , .		0
171	Stretched Weak Coupling States of an Octupole Phonon in Spherical Semi-Magic Nuclei. , 2015, , .		0
172	NEW LEVELS IN ¹⁵¹⁻¹⁵³ Pr BY COMBINING HIGH STATISTICS GAMMA COINCIDENCE DATA AND MASS/Z GATED GAMMA SPECTRA. , 2015, , .		0
173	First \hat{T}^3 -Decay Studies with CARIBU Low-Energy Exotic Beams. , 2015, , .		0
174	Pseudo Spin Doublet Bands and Gallagher Moszkowski Doublet Bands in ¹⁰⁰ Y. , 2017, , .		0
175	Doublet Octupole Bands in Neutron-Rich ^{140,141} Xe. , 2017, , .		0
176	New Measurement of Zr-Ce Yield Matrix for ²⁵² Cf. , 2017, , .		0
177	Reinvestigation of Octupole Correlations in ^{146,147} La. , 2017, , .		0
178	Chiral Vibrations and Collective Bands in ¹⁰⁴ Mo. , 2017, , .		0
179	Octupole Deformation in ¹⁴⁴ Ba and ¹⁴⁸ Ce. , 2017, , .		0
180	Confirmation of High Neutron Yields for Ba-Mo from SF of ²⁵² Cf. , 2019, , .		0