

# Rudrajyoti Palit

## List of Publications by Year in descending order

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Version: 2024-02-01

242  
papers

4,916  
citations

109321

35  
h-index

128289

60  
g-index

248  
all docs

248  
docs citations

248  
times ranked

1714  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear symmetry energy and neutron skins derived from pygmy dipole resonances. Physical Review C, 2007, 76, .	2.9	334
2	Evidence for Pygmy and Giant Dipole Resonances in Sn130 and Sn132. Physical Review Letters, 2005, 95, 132501.	7.8	327
3	Measurement of the Dipole Polarizability of the Unstable Neutron-Rich Nucleus $^{68}\text{Ni}$ . Physical Review Letters, 2013, 111, 242503.	7.8	155
4	Exclusive measurement of breakup reactions with the one-neutron halo nucleus $^{11}\text{Be}$ . Physical Review C, 2003, 68, .	2.9	154
5	Suppression of complete fusion in the $^{144}\text{Sm} + ^{144}\text{Sm}$ reaction.	2.9	141
6	A high speed digital data acquisition system for the Indian National Gamma Array at Tata Institute of Fundamental Research. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 680, 90-96.	1.6	105
7	Isospin-dependent multifragmentation of relativistic projectiles. Physical Review C, 2011, 83, .	2.9	88
8	Evidence for Multiple Chiral Doublet Bands in $^{133}\text{Ce}$ . Physical Review Letters, 2013, 110, 172504.	7.8	88
9	Lithium isotopes beyond the drip line. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 666, 430-434.	4.1	79
10	Transverse Wobbling in $^{135}\text{Pr}$ . Physical Review Letters, 2015, 115, 082501.	7.8	79
11	Discovery of a new $^{159}\text{Tb}$ isomer.	2.9	74
12	Role of the cluster structure of $^7\text{Li}$ in the dynamics of fragment capture. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 931-936.	4.1	71
13	Parity of the band head at 3710 keV in $^{99}\text{Rh}$ using clover detector as Compton polarimeter. Pramana - Journal of Physics, 2000, 54, 347-354.	1.8	69
14	Isotopic Dependence of the Nuclear Caloric Curve. Physical Review Letters, 2009, 102, 152701.	7.8	65
15	Fusion cross sections for the $^{124}\text{Sn} + ^{124}\text{Sn}$ reaction at ene	7.8	63
16	The unbound isotopes $^9\text{He}$ , $^{10}\text{He}$ . Nuclear Physics A, 2010, 842, 15-32.	1.5	64
17	Fusion reaction studies for the $^{6}\text{Li} + ^{6}\text{Li}$	2.9	61
18	Triaxial projected shell model study of $\hat{I}^3$ -vibrational bands in even-even Er isotopes. Physical Review C, 2008, 77, .	2.9	57

#	ARTICLE	IF	CITATIONS
19	Evidence of antimagnetic rotation in odd- $A$ nuclei. Nuclear Physics A, 2009, 824, 58-69.	2.9	51
20	Fusion of $^6\text{Li}$ with $^{152}\text{Sm}$ : Role of projectile breakup versus target deformation. Nuclear Physics A, 2012, 874, 14-31.	1.5	53
21	Correlation studies of the $^5\text{He}$ spectrum. Physical Review C, 2005, 72, .	2.9	51
22	Multi-quasiparticle $\hat{I}^3$ -band structure in neutron-deficient Ce and Nd isotopes. Nuclear Physics A, 2009, 824, 58-69.	1.5	51
23	Evidence of antimagnetic rotation in odd- $A$ nuclei. Nuclear Physics A, 2009, 824, 58-69.	2.9	51
24	Projected shell model study for the yrast-band structure of the proton-rich mass-80 nuclei. Nuclear Physics A, 2001, 686, 141-162.	1.5	50
25	Properties of the $^7\text{He}$ ground state from $^8\text{He}$ neutron knockout. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 679, 191-196.	4.1	50
26	Coulomb breakup of $^{23}\text{O}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 605, 79-86.	4.1	49
27	Triaxial projected shell model study of chiral rotation in odd- $A$ nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 250-254.	4.1	48
28	Three-body correlations in the decay of $^{10}\text{He}$ and $^{13}\text{Li}$ . Nuclear Physics A, 2010, 847, 66-88.	1.5	47
29	Systematics of antimagnetic rotation in even- $A$ nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 694, 322-326.	4.1	46
30	Exploring the Origin of Nearly Degenerate Doublet Bands in $^{106}\text{Ag}$ . Physical Review Letters, 2014, 112, .	7.8	43
31	Two-phonon wobbling in $^{135}\text{Pr}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 170-174.	4.1	43
32	Observation of Excited States in $^5\text{He}$ . Physical Review Letters, 2004, 93, 262501.	7.8	41
33	Complete fusion in $^{7\text{Li}} + ^{144}\text{Sm}$ . Nuclear Physics A, 2019, 569, 1-10.	2.9	41
34	Longitudinal Wobbling Motion in $^{187}\text{Au}$ . Physical Review Letters, 2020, 124, 052501.	7.8	37
35	Experimental study of nuclei in the vicinity of the $\beta$ -island of inversion through the fusion-evaporation reaction. Physical Review C, 2009, 80, .	2.9	36
36	Longitudinal wobbling in $^{133}\text{La}$ . European Physical Journal A, 2019, 55, 1.	2.5	36

#	ARTICLE	IF	CITATIONS
37	Level structure of $^{92}\text{Mo}$ at high angular momentum: Evidence for $Z=38, N=50$ core excitation. Physical Review C, 2002, 65, .	2.9	35
38	Structure of the unbound nucleus $^{13}\text{Be}$ : One-neutron knockout reaction data from $^{14}\text{Be}$ analyzed in a holistic approach. Physical Review C, 2013, 87, .	2.9	34
39	Multiple antimagnetic rotation bands in odd-mass nuclei $^{107}\text{Cd}$ . Physical Review C, 2013, 87, .	2.9	33
40	Observation of multiple doubly degenerate bands in $^{195}\text{Tl}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 768-772.	4.1	33
41	Multi-phonon $\hat{1}^3$ -vibrational bands in odd-mass nuclei studied by triaxial projected shell model approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 688, 305-308.	4.1	32
42	Multiple band structures of $^{131}\text{Cs}$ . Physical Review C, 2008, 78, .	2.9	30
43	High spin structure of $^{136}\text{Ce}$ . Nuclear Physics A, 2005, 761, 1-21.	1.5	29
44	Sub- and above-barrier fusion of loosely bound $^6\text{Li}$ with $^{28}\text{Si}$ . European Physical Journal A, 2010, 44, 403-410.	2.5	29
45	Investigation of complete and incomplete fusion in the $^7\text{Li} + ^{124}\text{Sn}$ reaction near Coulomb barrier energies. Physical Review C, 2018, 97, .	2.9	29
46	Transition quadrupole moments in $\hat{1}^3$ -soft nuclei and the triaxial projected shell model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 507, 115-120.	4.1	28
47	Momentum profile analysis in one-neutron knockout from Borromean nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 1309-1313.	4.1	28
48	Shape coexistence in $^{72}\text{Se}$ . Physical Review C, 2001, 63, .	2.9	27
49	Projected shell model study of odd-odd $\tilde{p}\tilde{g}$ shell proton-rich nuclei. Physical Review C, 2003, 67, .	2.9	27
50	Antimagnetic rotation in $^{104}\text{Pd}$ . Physical Review C, 2014, 89, .	2.9	27
51	Investigation of doublet-bands in $^{124,126,130,132}\text{Cs}$ odd-odd nuclei using triaxial projected shell model approach. Nuclear Physics A, 2014, 922, 150-162.	1.5	27
52	Multiphonon longitudinal wobbling in $^{127}\text{Xe}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135854.	4.1	27
53	Shape coexistence in the near-spherical $^{142}\text{Sm}$ nucleus. Physical Review C, 2014, 89, .	2.9	26

#	ARTICLE	IF	CITATIONS
55	Dipole response of neutron-rich Sn isotopes. Nuclear Physics A, 2007, 788, 145-152. Fine structure dips in the fission fragment mass distribution for the $U$	1.5	25
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#	ARTICLE	IF	CITATIONS
73	Reappearance of the pairing correlations at finite temperature. Physical Review C, 2005, 72, .	2.9	19
74	Structure of Te8052132: The two-particle and two-hole spectrum of Sn8250132. Physical Review C, 2016, 93, .	2.9	19
75	Investigation of large $\hat{I}^{\pm}$ production in reactions involving weakly bound $^7\text{Li}$ . Physical Review C, 2017, 96, .	2.9	19
76	Evolution of collectivity and evidence of octupole correlations in $^{73}\text{Br}$ . Physical Review C, 2019, 100, .	2.9	19
77	Structure of nearly degenerate dipole bands in $^{108}\text{Ag}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 85-91.	4.1	18
78	Coexisting shape- and high- K isomers in the shape transitional nucleus $^{188}\text{Pt}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 462-467.	4.1	18
79	Unified description of rotational, $\hat{I}^3$ , and quasiparticle-band structures in neutron-rich mass $A \approx 110$ region. Nuclear Physics A, 2016, 947, 127-141.	1.5	18
80	Dipole excitations of neutron-proton asymmetric nuclei. Nuclear Physics A, 2004, 731, 235-248.	1.5	17
81	Structure of dipole bands in $^{106}\text{In}$ . Physical Review C, 2009, 79, .	2.9	17
82	Intrinsic properties of high-spin band structures in triaxial nuclei. Nuclear Physics A, 2017, 968, 48-70.	1.5	17
83	New insights into the resonance states of $^5\text{H}$ and $^5\text{He}$ . European Physical Journal A, 2005, 25, 315-320.	2.5	16
84	Investigation Of Exotic Shapes, Correlations And Isomers In Nuclei With Large Compton Suppressed Clover Array. , 2011, , .		16
85	$\hat{I}^3$ -ray spectroscopy of fission fragments produced in $^{208}\text{Pb}(O18,f)$ . Physical Review C, 2015, 92, .	2.9	16
86	Investigation of antimagnetic rotation in $^{101}\text{Pd}$ . Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 075105.	3.6	16
87	Mass and Isospin Effects in Multifragmentation. Nuclear Physics A, 2005, 749, 83-92.	1.5	15
88	Small quadrupole deformation for the dipole bands in $^{112}\text{In}$ . Physical Review C, 2012, 85, .	2.9	15
89	Multiple magnetic rotational bands based on proton alignment in $^{143}\text{Eu}$ . Physical Review C, 2014, 90, .	2.9	15
90	Rotational band on a three-quasineutron isomer in $^{127}\text{Xe}$ . Physical Review C, 2018, 97, .	2.9	15

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91	Shape coexistence and octupole correlations in $^{72}\text{Se}$ . Physical Review C, 2022, 105, .	2.9	15
92	Shape evolution of yrast-band in $^{78}\text{Kr}$ . Nuclear Physics A, 2002, 700, 59-69.	1.5	14
93	High spin structure of $^{139}\text{Nd}$ . Physical Review C, 2007, 76, .	2.9	14
94	High-spin spectroscopy of $^{122}\text{I}$ . Physical Review C, 2012, 85, . Testing $\langle I \rangle$ nuclear structure in neutron-rich nuclei: Lifetime measurements of second	2.9	14
95	Study of the $^{14}\text{Be}$ state in $^{14}\text{C}$ . Physical Review C, 2013, 87, .	2.9	14
96	Continuum: Identification and Structure of its Second $^{14}\text{C}$ . Physical Review Letters, 2013, 111, 242501.	7.8	13
97	High spin spectroscopy in $^{34}\text{Cl}$ . Physical Review C, 2014, 89, .	2.9	13
98	Antimagnetic rotation and sudden change of electric quadrupole transition strength in $^{143}\text{Eu}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 387-391.	4.1	13
99	Extending the application of DSAM to atypical stopping media. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 841, 17-23.	1.6	13
100	Effects of one valence proton on seniority and angular momentum of neutrons in neutron-rich $^{131}\text{Sb}$ . Nuclear Physics A, 2017, 950, 1-10.	2.9	13
101	Nuclear Structure Study of $^{131}\text{Sb}$ . Physical Review C, 2014, 89, .	2.9	12
102	$\hat{I}^3$ -vibration in $^{126}\text{Xe}$ : A revisit. Nuclear Physics A, 2020, 996, 121687.	1.5	12
103	Evidence of antimagnetic rotation in $^{100}\text{Pd}$ . Physical Review C, 2020, 102, .	2.9	12
104	Triaxial projected shell model study of $\gamma$ -bands in atomic nuclei. European Physical Journal A, 2021, 57, 1.	2.5	12
105	Estimation of angular distribution of neutron dose using time-of-flight for system at 110MeV. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 576, 380-388.	1.6	11
106	Band structure and shape coexistence in $^{135}\text{Ba}$ . Physical Review C, 2010, 81, .	2.9	11
107	Excited states in $^{99}\text{Pd}$ . Physical Review C, 2011, 83, .	2.9	11
108	Evidence of antimagnetic rotation in an odd-odd nucleus: The case of $^{142}\text{Eu}$ . Physical Review C, 2017, 96, .	2.9	11

#	ARTICLE	IF	CITATIONS
109	Unraveling the reaction mechanism for large alpha production and incomplete fusion in reactions involving weakly bound stable nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136570.	4.1	11
110	Emergence of principal axis rotation in $^{110}\text{Ag}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 587-593.	4.1	10
111	Performance of Indian National Gamma Array (INGA) Coupled with a Fast Digital Data Acquisition System for Nuclear Structure Studies. Journal of Physics: Conference Series, 2013, 420, 012159.	0.4	10
112	Microscopic study of doublet bands in odd-odd $^{100}\text{Zr}$ nuclei. Nuclear Physics A, 2015, 933, 123-134.	1.5	10
113	Geant4 simulation study of Indian National Gamma Array at TIFR. Journal of Instrumentation, 2016, 11, P03030-P03030.	1.2	10
114	Shears mechanism and development of collectivity in $\text{Sm}^{141}$ . Physical Review C, 2016, 94, .	2.9	10
115	Deformed band structures at high spin in $^{199}\text{Tl}$ . Physical Review C, 2017, 95, .	2.9	10
116	Revised level structure of $^{127}\text{Xe}$ . Europhysics Letters, 2018, 121, 42001.	2.0	10
117	Single-particle excitations in the level structure of $^{197}\text{Pt}$ . Physical Review C, 2018, 97, .	2.9	10
118	Structure of $^{72,74}\text{Se}$ at high spin. Pramana - Journal of Physics, 2001, 57, 191-194.	1.8	9
119	Shape evolution of the highly deformed $^{75}\text{Kr}$ nucleus examined with the Doppler-shift attenuation method. Physical Review C, 2009, 80, .	2.9	9
120	Lifetime measurement of high spin states in $^{75}\text{Kr}$ . Nuclear Physics A, 2010, 834, 72c-74c.	1.5	9
121	High spin spectroscopy of $^{201}\text{Tl}$ . Physical Review C, 2013, 88, .	2.9	9
122	High spin band structure of $^{85}\text{Sr}$ . Physical Review C, 2014, 90, .	2.9	9
123	Collective excitations in $^{90}\text{Zr}$ . Physical Review C, 2014, 90, .	2.9	9
124	Triaxiality and exotic rotations at high spins in $^{134}\text{Ce}$ . Physical Review C, 2016, 93, .	2.9	9
125	Structure and symmetries of odd-odd triaxial nuclei. European Physical Journal A, 2017, 53, 1.	2.5	9
126	$g$ -factor measurement of the 2738 keV isomer in $^{135}\text{La}$ . Physical Review C, 2019, 99, .	2.9	9



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127	Nanosecond isomers in near-spherical $^{142,143}\text{Pm}$ . <i>Physical Review C</i> , 2002, 65, .	2.9	8
128	Discriminant analysis and secondary-beam charge recognition. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 587, 413-419.	1.6	8
129	Neutron recognition in the LAND detector for large neutron multiplicity. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 694, 47-54.	1.6	8
130	Band structures in $^{99}\text{Rh}$ . <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014, 41, 105110.	3.6	8
131	Band structures in doubly odd $^{98}\text{Rh}$ . <i>Physical Review C</i> , 2014, 89, .	2.9	8
132	Investigation of the high spin structure of $^{88}\text{Zr}$ . <i>Physical Review C</i> , 2014, 89, .	2.9	8
133	Negative-parity high-spin states and a possible magnetic rotation band in $^{135}\text{Pr}$ . <i>Physical Review C</i> , 2015, 92, .	2.9	8
134	Role of neutrons in the coexistence of magnetic and antimagnetic rotation bands in $^{107}\text{Cd}$ . <i>Physical Review C</i> , 2015, 91, .	2.9	8
135	Neutron detector array for measurement of neutron multiplicity. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000, 443, 386-391.	1.6	7
136	Collective excitations and shape changes in $^{80}\text{Y}$ . <i>Physical Review C</i> , 2004, 69, .	2.9	7
137	Gross Properties and Isotopic Phenomena in Spectator Fragmentation. <i>Nuclear Physics A</i> , 2007, 787, 627-632.	1.5	7
138	Angular momentum population in fragmentation reactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 665, 164-167.	4.1	7
139	Level structures in the $^{107}\text{In}$ nucleus and their microscopic description. <i>European Physical Journal A</i> , 2010, 43, 45.	2.5	7
140	Structural change of the unique-parity $^{115}\text{In}$ in the shell model nucleus $^{115}\text{In}$ . <i>Physical Review C</i> , 2011, 84, .	2.9	7
141	Fast structure of the shell model nucleus $^{89}\text{Nb}$ . <i>Physical Review C</i> , 2014, 89, .	2.9	7
142	Investigation of exotic modes of spinning nuclei near $^{90}\text{Zr}$ . <i>Pramana - Journal of Physics</i> , 2014, 82, 649-658.	1.8	7
143	A new high-spin isomer in $^{195}\text{Bi}$ . <i>European Physical Journal A</i> , 2015, 51, 1.	2.5	7
144	In-beam spectroscopy of medium- and high-spin states in $^{133}\text{Ce}$ . <i>Physical Review C</i> , 2016, 93, .	2.9	7

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145	Structure of dipole bands in doubly odd $^{102}\text{Ag}$ . Physical Review C, 2016, 94, .	2.9	7
146	Observation of rotation about the longest principal axis in $^{89}\text{Zr}$ . Physical Review C, 2019, 99, .	2.9	7
147	$\gamma$ -vibration in $^{198}\text{Hg}$ . European Physical Journal A, 2019, 55, 1.	2.5	7
148	Systematic study of near-yrast band structures in odd-mass $^{125}\text{Pr}$ and $^{127}\text{Pm}$ isotopes. Physical Review C, 2021, 104, .	2.9	7
149	Experimental investigation of high-spin states in $^{90}\text{Zr}$ . Physical Review C, 2022, 105, .	2.9	7
150	Spectroscopy and shell model calculations in Si isotopes. Physical Review C, 2015, 91, .	2.9	6
151	Return of backbending in $^{169}\text{Tm}$ and the effect of the $N=98$ shell gap. Physical Review C, 2021, 103, .	2.9	6
152	Nuclear level density of $^{69}\text{Zn}$ from gamma gated particle spectrum and its implication on $^{68}\text{Zn}(n, \gamma)^{69}\text{Zn}$ capture cross section. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135487.	4.1	6
153	Evidence of antimagnetic rotational motion in $^{103}\text{Pd}$ . Physical Review C, 2021, 103, .	2.9	6
154	Accessing tens-to-hundreds femtoseconds nuclear state lifetimes with low-energy binary heavy-ion reactions. European Physical Journal A, 2021, 57, 1.	2.5	6
155	Complete set of bound negative-parity states in the neutron-rich nucleus $^{18}\text{N}$ . Physical Review C, 2021, 104, .	2.9	6
156	Structure of degenerate dipole bands in $^{106}\text{In}$ and investigation of similar structure in neighbouring odd-odd isotopes. Nuclear Physics A, 2010, 834, 81c-83c.	1.5	5
157	High spin states in $^{135}\text{La}$ . Physical Review C, 2012, 87, .	2.9	5
158	Recent results from digital INGA at BARC-TIFR Pelletron Linac Facility and future plans. Pramana - Journal of Physics, 2014, 83, 719-728.	1.8	5
159	Spectroscopy of fission fragments using prompt-delayed coincidence technique. Pramana - Journal of Physics, 2015, 85, 395-402.	1.8	5
160	Low-lying states near the $\pi = 6^+$ isomer in $^{108}\text{Ag}$ . Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 015103.	3.6	5
161	Single particle configurations in $^{61}\text{Ni}$ . Physical Review C, 2019, 99, .	2.9	5
162	Possible antimagnetic rotational band in $^{127}\text{Xe}$ . Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 015103.	3.6	5

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163	Collective and noncollective states in $Z_n$ . Physical Review C, 2021, 104, .	2.9	5
164	Evidence of octupole correlation in $Se^{79}$ . Physical Review C, 2021, 104, .	2.9	5
165	Extended triaxial projected shell model approach for odd-neutron nuclei. Physical Review C, 2022, 105, .	2.9	5
166	High-spin structure of yrast-band in $^{78}Kr$ . Pramana - Journal of Physics, 2001, 57, 185-189.	1.8	4
167	Studies of light neutron-rich nuclei near the drip line. European Physical Journal A, 2005, 25, 339-341.	2.5	4
168	Coulomb excitation of exotic nuclei at the R3B-LAND setup. Journal of Physics: Conference Series, 2013, 420, 012072.	0.4	4
169	EC decay of $^{244}Bk$ . Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 125103.	3.6	4
170	Pulse shape analysis of a two fold clover detector with an EMD based new algorithm: A comparison. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 741, 108-116.	1.6	4
171	Polarization measurements and high-spin states in $^{86}Sr$ . Nuclear Physics A, 2016, 955, 1-15.	1.5	4
172	Magnetic rotation phenomenon in the dipole ( $\Delta I = 1$ ) bands of transitional strontium (Sr) isotopes near N=50 shell closure. European Physical Journal A, 2017, 53, 1.	2.5	4
173	High-spin states in $Cs$ and the shell model description. Physical Review C, 2017, 95, .	2.9	4
174	Novel evolution of the positive parity shears band in $Ag$ . Physical Review C, 2017, 95, .	2.9	4
175	Band structures in $Pd$ . Physical Review C, 2017, 95, .	2.9	4
176	Shape evolution with increasing angular momentum in the $Ga^{66}$ nucleus. Physical Review C, 2017, 95, .	2.9	4
177	Spectroscopy of weakly deformed bands in $Zr^{87}$ : First observation of the shears mechanism in a Zr isotope. Physical Review C, 2018, 98, .	2.9	4
178	Coexistence of principal and tilted axis rotation in $Ag^{110}$ . Physical Review C, 2018, 98, .	2.9	4
179	High-spin doublet band structures in odd-odd $Tl$ isotopes. European Physical Journal A, 2020, 56, 1.	2.5	4
180	Signature splitting in the positive parity bands of $^{127}Xe$ . European Physical Journal A, 2020, 56, 1.	2.5	4

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181	High spin states of $^{37}\text{Ar}$ . Physical Review C, 2020, 101, .	2.9	4
182	Structure of the isomeric state in $^{133}\text{La}$ . Physical Review C, 2020, 101, .	2.9	4
183	Experimental evidence of exact E(5) symmetry in $^{82}\text{Kr}$ . Physical Review C, 2021, 104, .	2.9	4
184	Investigation of the alignment mechanism and loss of collectivity in $^{135}\text{Pm}$ . Physical Review C, 2021, 103, .	2.9	4
185	SHAPE EVOLUTION OF HIGHLY DEFORMED $^{75}\text{Kr}$ AND PROJECTED SHELL MODEL DESCRIPTION. International Journal of Modern Physics E, 2010, 19, 1754-1762.	1.0	3
186	High spin spectroscopy and shape evolution in $^{105}\text{Cd}$ . Physical Review C, 2015, 91, .	2.9	3
187	Identification of levels above 6- isomeric state in $^{66}\text{Cu}$ . European Physical Journal A, 2017, 53, 1.	2.5	3
188	A compact scintillator based position sensitive detector system for gamma ray tracking applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 930, 100-104.	1.6	3
189	Spectroscopy of a tetrahedral doubly magic candidate nucleus $^{160}_{90}\text{Yb}$ . Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 055102.	3.6	3
190	Prompt-delayed $\hat{I}^3$ -ray spectroscopy of neutron-rich $^{119,121}\text{In}$ isotopes. Physical Review C, 2020, 102, .	2.9	3
191	High-spin states above the isomers in neutron-rich iodine nuclei near $^{132}\text{I}$ . Physical Review C, 2020, 102, .	2.9	3
192	Quasi- $\hat{I}^3$ band in $^{114}\text{Te}$ . Physical Review C, 2020, 101, .	2.9	3
193	Intermediate structure and dipole bands in the transitional $^{134}\text{Ba}$ nucleus. Physical Review C, 2020, 101, .	2.9	3
194	Enhanced strength observed in $^{137}\text{B}$ . Physical Review C, 2021, 104, .	2.9	3
195	Development of a position-sensitive fast scintillator ( $\text{LaBr}_3(\text{Ce})$ ) detector setup for gamma-ray imaging application. EPJ Web of Conferences, 2021, 253, 11005.	0.3	3
196	Lifetimes of nuclear excited states with neutron gated recoil distance method. Pramana - Journal of Physics, 1999, 52, 401-408.	1.8	2
197	Fabrication and testing of the recoil mass spectrometer at Bombay Pelletron. Pramana - Journal of Physics, 2001, 57, 219-222.	1.8	2
198	Coulomb breakup of secondary beams of neutron-rich nuclei. Nuclear Physics A, 2004, 738, 45-51.	1.5	2

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199	TDPAD measurements of magnetic hyperfine field for $^{132}\text{Ba}$ in ferromagnetic Ni. <i>Hyperfine Interactions</i> , 2016, 237, 1.	0.5	2
200	Three proton hole structure in $^{106}\text{Ag}$ . <i>Physical Review C</i> , 2016, 93, .	2.5	2
201	Performance and imaging capabilities of the DEGAS high-resolution $\hat{1}^3$ -ray detector array for the DESPEC experiment at FAIR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 873, 36-38.	1.6	2
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