

Ashok Kumar Jain

List of Publications by Year in descending order

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39
times ranked

416
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape coexistence and octupole correlations in ^{72}Se . Physical Review C, 2022, 105, .	2.9	15
2	Puzzle on isomeric configurations in and around ^{216}N closed shell. Physical Review C, 2022, 105, .	2.9	126
3	Evolution of nuclear structure through isomerism in ^{216}Fr . Physical Review C, 2022, 105, .	2.9	2
4	Level structure in the transitional nucleus ^{215}Fr . Physical Review C, 2022, 105, .	2.9	5
5	Measurement of relative isotopic yield distribution of even-even fission fragments from U235 (n_{th}, f) following γ -ray spectroscopy. Physical Review C, 2021, 103, .	2.9	3
6	Generalized seniority isomers in and around $Z=82$ closed shell: A survey of Hg, Pb and Po isotopes. Nuclear Physics A, 2021, 1014, 122277.	1.5	5
7	Evolution of collectivity and evidence of octupole correlations in ^{73}Br . Physical Review C, 2019, 100, .	2.9	19
8	Evolution of nuclear structure in and around $Z = 50$ closed shell: Generalized seniority in Cd, Sn and Te isotopes. Nuclear Physics A, 2019, 992, 121619.	1.5	14
9	Generalized seniority Schmidt model and the g-factors in semi-magic nuclei. Nuclear Physics A, 2019, 986, 232-244.	1.5	9
10	Test of isospin conservation in thermal neutron-induced fission of ^{245}Cm . Pramana - Journal of Physics, 2019, 92, 1.	1.8	2
11	Parity doublet structures in doubly-odd ^{216}Fr . Physical Review C, 2018, 97, .	2.9	9
12	Role of isospin and its conservation in neutron-rich fission fragments. Physica Scripta, 2018, 93, 124008.	2.5	4
13	Generalized seniority states and isomers in tin isotopes. Physica Scripta, 2017, 92, 074004.	2.5	13
14	Goodness of isospin in neutron rich systems from the fission fragment distribution. Physica Scripta, 2017, 92, 094001.	2.5	6
15	Rapid Communication: $\Delta v=2$ seniority changing transitions in yrast ^{133}La . Pramana - Journal of Physics, 2017, 89, 1.	1.8	9
16	Asymmetric behavior of the $B(E2; 0^+ \rightarrow 2^+)$ values in $^{104-130}\text{Sn}$ and generalized seniority. Nuclear Physics A, 2016, 952, 62-69.	1.5	21
17	Odd tensor electric transitions in high-spin Sn-isomers and generalized seniority. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 122-125.	4.1	25
18	Atlas of Nuclear Isomers. Nuclear Data Sheets, 2015, 128, 1-130.	2.2	66

#	ARTICLE	IF	CITATIONS
19	Experimental study on isotope fractionation of evaporating water of different initial isotopic composition. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 975-978.	1.5	1
20	Shape evolution in odd-A 137 Pm. European Physical Journal A, 2012, 48, 1.	2.5	7
21	Shape evolution of the highly deformed Kr75 nucleus examined with the Doppler-shift attenuation method. Physical Review C, 2009, 80, .	2.9	9
22	Bandcrossing of magnetic rotation bands in Pr137. Physical Review C, 2007, 76, .	2.9	21
23	Shape changes at high spin in 78Kr. European Physical Journal A, 2006, 27, 33-36.	2.5	12
24	Loss of collectivity in 79Rb. European Physical Journal A, 2006, 28, 277-281.	2.5	6
25	Fusion near the Coulomb barrier for the synthesis of heavy and superheavy elements: A theoretical approach. European Physical Journal A, 2005, 26, 241-251.	2.5	7
26	Magnetic rotation and shape mixing in Ce134. Physical Review C, 2004, 69, .	2.9	24
27	Magnetic rotation and chiral symmetry breaking. Pramana - Journal of Physics, 2001, 57, 611-622.	1.8	2
28	SEMICLASSICAL QUANTISATION OF PARTICLE-ROTOR MODEL AND $\hat{I}^2=2$ STAGGERING OF SUPERDEFORMED BANDS. International Journal of Modern Physics E, 2000, 09, 487-506.	1.0	9
29	Trace formula for level density of a spherical billiard. Pramana - Journal of Physics, 1999, 53, 243-251.	1.8	1
30	Application of the VMI model to rotational bands of odd-odd rare-earth nuclei. , 1991, , .		0
31	Completeness of two-particle spectra of deformed nuclei. , 1991, , .		0
32	Signature dependence and inversion in two quasi-particle rotational bands of even-even nuclei. , 1991, , .		0
33	Intrinsic states of deformed odd-A nuclei in the mass regions (151 $\leq A \leq 193$) and ($A \geq 221$). Reviews of Modern Physics, 1990, 62, 393-509.	45.6	202
34	APPLICATION OF THE VARIABLE MOMENT OF INERTIA MODEL TO BANDS IN ODD-ODD NUCLEI. Modern Physics Letters A, 1990, 05, 2403-2406.	1.2	6
35	Description of multi-band structures in ^{154}Gd and ^{156}Gd on symmetry considerations. Zeitschrift für Physik A, 1985, 320, 645-648.	1.4	4
36	Configuration dependent pairing from the effective decoupling picture. AIP Conference Proceedings, 1985, , .	0.4	0