

Alpana Goel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2196331/publications.pdf>

Version: 2024-02-01

31
papers

137
citations

1307594

7
h-index

1281871

11
g-index

32
all docs

32
docs citations

32
times ranked

120
citing authors

#	ARTICLE	IF	CITATIONS
1	The mechanism of signature inversion in odd-odd rotational bands. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 277, 233-237.	4.1	38
2	Band structure and shape coexistence in $^{56}135\text{Ba}79$. Physical Review C, 2010, 81, .	2.9	11
3	Systematics of signature inversion in doubly-odd nuclei and the role of the proton orbital. Nuclear Physics A, 1997, 620, 265-276.	1.5	8
4	Predicting superdeformed rotational band-head spin in A $\hat{=} 190$ mass region using variable moment of inertia model. Pramana - Journal of Physics, 2016, 86, 185-190.	1.8	8
5	Signature reversal in the 2 QP K = 3 and 4 bands of ^{170}Yb . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 337, 240-244.	4.1	7
6	Signature inversion in the $K=4$ band in doubly-odd ^{152}Eu and ^{156}Tb nuclei: Role of the $9/2$ proton orbital. Pramana - Journal of Physics, 1996, 46, 51-66.	1.8	7
7	Signature splitting in magnetic rotational bands. Pramana - Journal of Physics, 1999, 53, 463-468.	1.8	7
8	Quantification of DNA damage in patients undergoing non-contrast and contrast enhanced whole body PET/CT investigations using comet assay and micronucleus assay. International Journal of Radiation Biology, 2019, 95, 710-719.	1.8	7
9	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
10	Newby shift of $K=0$ rotational bands in odd-odd rare-earths. Pramana - Journal of Physics, 1991, 36, 105-114.	1.8	6
11	Coriolis coupling in two-quasiparticle rotational bands of deformed even-even nuclei. Physical Review C, 1992, 45, 221-229.	2.9	6
12	THE VMI-MODEL REVISITED IN THE ODD-ODD RARE-EARTH NUCLEI. International Journal of Modern Physics E, 1993, 02, 451-469.	1.0	4
13	^{18}F -FDG-induced DNA damage, chromosomal aberrations, and toxicity in V79 lung fibroblast cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 847, 503-515.	1.7	4
14	Band head spin assignment of Tl isotopes of superdeformed rotational bands. Open Physics, 2014, 12, .	1.7	3
15	$\hat{=} I = 1$ staggering in signature partner pairs of super-deformed rotational bands in the A = 190 mass region. European Physical Journal Plus, 2015, 130, 1.	2.6	3
16	DNA double strand breaks, repair and apoptosis following 511 keV γ -rays exposure using ^{18}F fluorine positron emitter: an <i>in-vitro</i> study. Biomedical Physics and Engineering Express, 2018, 4, 065023.	1.2	3
17	Systematic of signature inversion in $(h 11/2)^{\pm} - (i 13/2)^{\mp}$ for odd-odd nuclei in rare-earth nuclei. Pramana - Journal of Physics, 2015, 84, 87-99.	1.8	2
18	Isospin conservation in compound nuclear fusion-fission reactions: empirical evidence. European Physical Journal: Special Topics, 2020, 229, 2527-2541.	2.6	2

#	ARTICLE	IF	CITATIONS
19	Signature effects in 2qp bands of doubly even rare-earth nuclei. European Physical Journal A, 2016, 52, 1.	2.5	1
20	Revisiting the role of n-p residual interaction and the Newby shift in K = 0 bands in the odd-odd actinides. European Physical Journal A, 2019, 55, 1.	2.5	1
21	Prediction of band-head spin of triaxial super-deformed bands using the modified VMI model. European Physical Journal Plus, 2019, 134, 1.	2.6	1
22	Significant reduction of radiation dose and DNA damage in 18F- FDG whole-body PET/CT study without compromising diagnostic image quality. Journal of Radiation Research and Applied Sciences, 2021, 14, 358-368.	1.2	1
23	Biological effects associated with internal and external contamination of diagnostic nuclear medicine sources: An In vitro study. Indian Journal of Nuclear Medicine, 2021, 36, 288.	0.3	1
24	Application of the VMI model to rotational bands of odd-odd rare-earth nuclei. , 1991, , .		0
25	Signature dependence and inversion in two quasi-particle rotational bands of even-even nuclei. , 1991, , .		0
26	Shape Recognition in Presence of Occlusion from Fourier Plane Processing. , 2011, , .		0
27	K-Isomers in Deformed Nuclei. , 2021, , 79-99.		0
28	A Simple and Novel Approach to Study Kinetics and Estimate Radiation doses from Internally Administered Radiopharmaceuticals using An External dose Measurement System. Radiation Protection Dosimetry, 2021, 196, 141-152.	0.8	0
29	Unusual Features of rotational bands in 184Au deformed doublyodd nucleus. IOSR Journal of Applied Physics, 2014, 6, 38-44.	0.1	0
30	Promoting Nuclear Security Education and Training Activities at Amity University, India. , 0, , .		0
31	Women in Nuclear Science & Technology in India: Challenges & Opportunities. , 0, , .		0