

# Alpana Goel

## List of Publications by Year in descending order

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31  
papers

137  
citations

1307594

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h-index

1281871

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g-index

32  
all docs

32  
docs citations

32  
times ranked

120  
citing authors

#	ARTICLE	IF	CITATIONS
1	K-Isomers in Deformed Nuclei. , 2021, , 79-99.		0
2	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
3	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
4	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
5	Isospin conservation in compound nuclear fusionâ€“fission reactions â€“ empirical evidence. European Physical Journal: Special Topics, 2020, 229, 2527-2541.	2.6	2
6	18F-FDG-induced DNA damage, chromosomal aberrations, and toxicity in V79 lung fibroblast cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 847, 503105.	1.7	4
7	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
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	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
10	DNA double strand breaks, repair and apoptosis following 511 keV $\gamma$ -rays exposure using 18 fluorine positron emitter: an <i>in-vitro</i> study. Biomedical Physics and Engineering Express, 2018, 4, 065023.	1.2	3
11	Signature effects in 2qp bands of doubly even rare-earth nuclei. European Physical Journal A, 2016, 52, 1.	2.5	1
12	Predicting superdeformed rotational band-head spin in $A \approx 190$ mass region using variable moment of inertia model. Pramana - Journal of Physics, 2016, 86, 185-190.	1.8	8
13	Systematic of signature inversion in $(h 11/2)^{\pi} \rightarrow (i 13/2)^{\pi}$ for oddâ€“odd nuclei in rare-earth nuclei. Pramana - Journal of Physics, 2015, 84, 87-99.	1.8	2
14	$\pi^{\pm} I = 1$ 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
15	Band head spin assignment of Tl isotopes of superdeformed rotational bands. Open Physics, 2014, 12, .	1.7	3
16	Unusual Features of rotational bands in $^{184}\text{Au}$ deformed doublyodd nucleus. IOSR Journal of Applied Physics, 2014, 6, 38-44.	0.1	0
17	Shape Recognition in Presence of Occlusion from Fourier Plane Processing. , 2011, , .		0
18	Band structure and shape coexistence in $^{56}\text{Ba}$ . Physical Review C, 2010, 81, .	2.9	11

#	ARTICLE	IF	CITATIONS
19	Signature splitting in magnetic rotational bands. Pramana - Journal of Physics, 1999, 53, 463-468.	1.8	7
20	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
21	Signature inversion in the $K=4^+$ band in doubly-odd $^{152}\text{Eu}$ and $^{156}\text{Tb}$ nuclei: Role of the $9/2$ proton orbital. Pramana - Journal of Physics, 1996, 46, 51-66.	1.8	7
22	Signature reversal in the 2 QP $K = 3$ and 4 bands of $^{170}\text{Yb}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 337, 240-244.	4.1	7
23	THE VMI-MODEL REVISITED IN THE ODD-ODD RARE-EARTH NUCLEI. International Journal of Modern Physics E, 1993, 02, 451-469.	1.0	4
24	Coriolis coupling in two-quasiparticle rotational bands of deformed even-even nuclei. Physical Review C, 1992, 45, 221-229.	2.9	6
25	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
26	Application of the VMI model to rotational bands of odd-odd rare-earth nuclei. , 1991, , .		0
27	Signature dependence and inversion in two quasiparticle rotational bands of even-even nuclei. , 1991, , .		0
28	Newby shift of $K=0$ rotational bands in odd-odd rare-earths. Pramana - Journal of Physics, 1991, 36, 105-114.	1.8	6
29	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
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