

Irshad Ahmad

List of Publications by Year in descending order

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51
papers

1,224
citations

361413

20
h-index

361022

35
g-index

51
all docs

51
docs citations

51
times ranked

811
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Nuclear Structure on Sub-Barrier Hindrance in Ni+Ni Fusion. Physical Review Letters, 2004, 93, .	7.8	156
2	Cranked relativistic Hartree-Bogoliubov theory: Probing the gateway to superheavy nuclei. Physical Review C, 2003, 67, .	2.9	150
3	K-isomers in No254: Probing Single-Particle Energies and Pairing Strengths in the Heaviest Nuclei. Physical Review Letters, 2006, 97, 082502.	7.8	104
4	Three-Laboratory Measurement of the ^{44}Ti Half-Life. Physical Review Letters, 1998, 80, 2550-2553.	7.8	50
5	Search for X-Ray Induced Acceleration of the Decay of the 31-Yr Isomer of ^{178}f Using Synchrotron Radiation. Physical Review Letters, 2001, 87, 072503.	7.8	47
6	$K^{\pi}=8^{-}$ isomers and $K^{\pi}=2^{-}$ octupole vibrations in $N=150$ shell-stabilized isotones. Physical Review C, 2008, 78, .	2.9	47
7	Fine structure in the β^{\pm} decay of ^{192}Po . Zeitschrift für Physik A, 1996, 356, 3-4.	0.9	45
8	Opening up the $A \approx 180$ K-isomer landscape: inelastic excitation of new multi-quasiparticle yrast traps. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 425, 239-245.	4.1	44
9	High-K-isomers in neutron-rich hafnium nuclei at and beyond the stability line. Physical Review C, 1999, 59, R1227-R1231.	2.9	43
10	Structure of two-, four-, and six-quasiparticle isomers in ^{174}Yb and K -forbidden decays. Physical Review C, 2005, 71, .	2.9	41
11	Determination of the E_{I}^{C} component of the low-energy C		

#	ARTICLE	IF	CITATIONS
19	Search for x-ray induced decay of the 31-yr isomer of ^{178}Hf at low x-ray energies. <i>Physical Review C</i> , 2003, 67, .	2.9	25
20	Octupole states in ^{246}Cm and ^{248}Cm populated by inelastic deuteron scattering. <i>Physical Review C</i> , 1975, 12, 795-800.	2.9	23
21	Studies Towards a Method for Radiocalcium Dating of Bones. <i>Radiocarbon</i> , 1989, 31, 311-323.	1.8	18
22	Three-valence-particle fission product $^{51}\text{135Sb84}$. <i>European Physical Journal A</i> , 1998, 3, 109-110.	2.5	18
23	Search for x-ray induced decay of the 31-yr isomer of ^{178}Hf using synchrotron radiation. <i>Physical Review C</i> , 2005, 71, .	2.9	18
24	Two-quasineutron states in ^{248}Cm and ^{250}Cm . <i>Physical Review C</i> , 2005, 71, .	2.9	18
25	K-Mixing and fast decay of a seven-quasiparticle isomer in ^{179}Ta . <i>European Physical Journal A</i> , 2004, 22, 23-27.	2.5	17
26	$^{\text{Yrast}}$ three-quasiparticle isomers in neutron-rich ^{181}Hf . <i>Physical Review C</i> , 2001, 64, .	2.9	15
27	Half-life determination of ^{41}Ca and some other radioisotopes. <i>Radiocarbon</i> , 1992, 34, 436-446.	2.5	13
28	Shape coexistence and band crossings in ^{174}Pt . <i>Physical Review C</i> , 2004, 70, .	1.8	11
29	An upper limit to interstellar ^{244}Pu abundance as deduced from radiochemical search in deep-sea sediment: An account. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2007, 272, 243-245.	2.9	11
30	Few-valence-particle excitations around doubly magic ^{132}Sn . <i>Zeitschrift für Physik A</i> , 1997, 358, 203-204.	0.9	9
31	In-beam β -ray spectroscopy of ^{172}Pt . <i>Physical Review C</i> , 2003, 67, .	2.9	9
32	Electron capture on ^{116}In and implications for nuclear structure related to double- β decay. <i>Physical Review C</i> , 2003, 67, .	2.9	8
33	Rotational alignments in ^{235}Np and the possible role of $^{\text{rotational}}$ alignments in ^{235}Np . <i>Physical Review C</i> , 2003, 67, .	2.9	7
34	An advanced ISOL facility based on ATLAS. , 1999, , .		5
35	Precise absolute β -ray and α -decay branching intensities in the decay of ^{296}Cu . <i>Physical Review C</i> , 2015, 92, .	2.9	5

#	ARTICLE	IF	CITATIONS
37	Population and decay of a K isomer in ^{246}Cm . <i>Physical Review C</i> , 1998, 57, R2794-R2798.	2.9	5
38	Decay spectroscopy of two-quasiparticle K isomers in ^{246}Cm . <i>Physical Review C</i> , 2016, 94, 054311.	2.9	5
39	Technological Development for Half-life Measurement of ^{146}Sm Nuclide. <i>Journal of Nuclear and Radiochemical Sciences</i> , 2007, 8, 109-112.	0.7	3
40	Positron-electron angular correlations in internal pair conversion. <i>Physical Review C</i> , 1998, 57, R2794-R2798.	2.9	2
41	Decay properties of 2.05-h $^{95}\text{m}_{245}\text{Pu}$. <i>Applied Radiation and Isotopes</i> , 2019, 145, 106-108.	1.5	1
42	The positron-electron peak puzzle: results from APEX. <i>Zeitschrift für Physik A</i> , 1997, 358, 235-236.	0.9	0
43	The Argonne Fragment Mass Analyzer and measurements of entry distributions. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	0
44	Possible triaxial superdeformation in ^{174}Hf . <i>AIP Conference Proceedings</i> , 2002, , .	0.4	0
45	Probing The Gateway To Superheavy Nuclei In Cranked Relativistic Hartree-Bogoliubov Theory. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	0
46	Limits Of The Energy-Spin Phase Space Beyond The Proton Drip Line: Entry Distributions Of Pt And Au Isobars. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	0
47	Structure Of Multi-Quasiparticle Isomers In The Region Of ^{177}Lu . <i>AIP Conference Proceedings</i> , 2005, , .	0.4	0
48	The S_{E1} factor of the $^{12}\text{C}(\hat{1}^{\pm}, \hat{1}^3)^{16}\text{O}$ Reaction and the ^{16}N $\hat{1}^2$ -delayed $\hat{1}^{\pm}$ Decay. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	0
49	TERNARY PARTICLES WITH EXTREME N/Z RATIOS FROM NEUTRON-INDUCED FISSION. , 2000, , .		0
50	MAGIC NUCLEUS ^{132}Sn AND $N = 81$ ISOTONES ^{131}Sn , ^{132}Sb , ^{133}Te . , 2002, , .		0
51	MINOR-ACTINIDES FISSION CROSS SECTIONS AND FISSION FRAGMENT MASS YIELDS VIA THE SURROGATE REACTION TECHNIQUE. , 2008, , .		0