

Praveen C Srivastava

List of Publications by Year in descending order

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papers

904
citations

567281

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docs citations

102
times ranked

753
citing authors

#	ARTICLE	IF	CITATIONS
1	Shell-model study for GT-strengths corresponding to \hat{I}^2 decay of ^{60}Ge and ^{62}Ge . Nuclear Physics A, 2022, 1017, 122344.	1.5	0
2	Three-phonon multiplets in ^{116}Sn . Nuclear Physics A, 2022, 1018, 122375.	1.5	1
3	Evolution of nuclear structure through isomerism in ^{216}Po . 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	Experimental investigation of high-spin states in ^{90}Zr . Physical Review C, 2022, 105, .	2.9	7
6	Isomers in ^{203}Tl and core excitations built on a five-nucleon-hole structure. Physical Review C, 2022, 105, .	2.9	4
7	Shell Model Description of Spin-Dependent Elastic and Inelastic WIMP Scattering off ^{119}Sn and ^{121}Sb . Universe, 2022, 8, 309.	2.5	0
8	Systematic shell model study for $N = 82$ and $N = 126$ isotones and nuclear isomers. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 085101.	3.6	4
9	Minimal theory of isomerism- Q.Q and other interactions. Physica Scripta, 2021, 96, 065307.	2.5	4
10	Structure of ^{46}Ca and ^{47}Ca from the ^{46}Ca core.	2.9	6
11	Second-forbidden nonunique β^- decays of $^{59,60}\text{Fe}$: possible candidates for g_{A} sensitive electron spectral-shape measurements. European Physical Journal A, 2021, 57, 1.	2.5	9
12	High spin states in ^{71}Ga *. Chinese Physics C, 2021, 45, 084001.	3.7	0
13	Systematic shell-model study of Rn isotopes with $A = 207$ to 216 and isomeric states. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 125103.	3.6	5
14	Shell-model description for the first-forbidden $\hat{I}^2\alpha^-$ decay of ^{207}Hg into the one-proton-hole nucleus ^{207}Tl . Nuclear Physics A, 2021, 1014, 122255.	1.5	7
15	Quadrupole properties of the eight SU(3) algebras in (sdgi) space. European Physical Journal: Special Topics, 2020, 229, 2389-2403.	2.6	4
16	no-core shell model study of ^{10}B isotopes with realistic ^{14}C core.	2.9	12
17	Shell model study of high-spin states and band terminations in ^{67}As . Nuclear Physics A, 2020, 1002, 121989.	1.5	2
18	Metastable states from multinucleon excitations in ^{202}Tl and ^{203}Pb . Physical Review C, 2020, 102, .	2.9	9

#	ARTICLE	IF	CITATIONS
19	Structure of the ^{25}Mg nucleus. http://www.w3.org/1998/Math/MathML $\langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{s} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{d} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$	2.9	4
20	Shell model results for nuclear $\hat{I}^2\hat{\alpha}^{\prime}$ -decay properties of sd-shell nuclei. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	8
21	Second forbidden nonunique β -decays of ^{24}Na . http://www.w3.org/1998/Math/MathML $\langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \hat{I}^2 \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\alpha}^{\prime} \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$	2.9	16
22	Shell model results for ^{47}Ca isotopes in the fp, fpg $_{9/2}$ and fpg $_{9/2}$ d $_{5/2}$ model spaces. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 065105.	3.6	6
23	Intermediate structure and dipole bands in the transitional $\text{Ba}134$ nucleus. Physical Review C, 2020, 101, .	2.9	3
24	<i>Ab initio</i> no-core shell model study of $^{18-23}\text{O}$ and $^{18-24}\text{F}$ isotopes. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 055113.	3.6	9
25	Gamow-Teller Transition Strengths for Selected (fp) Shell Nuclei. Acta Physica Polonica B, 2020, 51, 961.	0.8	1
26	High-spin states of ^{218}Th . Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 095103.	3.6	2
27	Structure of ^{28}Mg and influence of the neutron shell. Physical Review C, 2019, 100.	2.9	19
28	The gallium anomaly revisited. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 542-547.	4.1	47
29	Different seniority states of $^{119-126}\text{Sn}$ isotopes: shell-model description. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	5
30	<i>Ab initio</i> no-core shell model study of neutron-rich nitrogen isotopes. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	8
31	Isospin symmetry in ^{20}B values: Coulomb excitation study of ^{20}Mg . http://www.w3.org/1998/Math/MathML $\langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{B} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{E} \langle \text{mml:math} \rangle$	2.9	19
32	<i>Ab initio</i> description of collectivity for sd shell nuclei. Hyperfine Interactions, 2019, 240, 1.	0.5	2
33	Measurement of the ^{20}B ground-state transition in the ^{20}B nucleus. http://www.w3.org/1998/Math/MathML $\langle \text{mml:msup} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:math} \rangle$	2.9	19
34	Discovery of an Exceptionally Strong ^{20}B β -Decay Transition. http://www.w3.org/1998/Math/MathML $\langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \hat{I}^2 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$	7.8	36
35	Factor measurement of the 2738 keV isomer in ^{135}La . http://www.w3.org/1998/Math/MathML $\langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{g} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$	2.9	9
36	<i>Ab initio</i> calculations of Gamow-Teller strengths in the ^{20}B nucleus. Physical Review C, 2018, 97, .	2.9	1

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73	Deformed shell model results for neutrinoless positron double beta decay of nuclei in the $A=60-90$ region. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 095107.	3.6	15
74	High-spin structures of ^{55}Cs and ^{136}Ba . Physical Review C, 2013, 87, .	2.9	12
75	High-spin structures of ^{136}Xe , ^{137}Cs , ^{138}Ba , ^{139}La and ^{140}Ce : a shell model description. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 035106.	3.6	13
76	STRUCTURE OF ODD $^{79,81,83}\text{Se}$ ISOTOPES WITH PROTON AND NEUTRON EXCITATIONS ACROSS $Z = 28$ AND $N = 40$. International Journal of Modern Physics E, 2013, 22, 1350091.	1.0	2
77	Structure of ^{71}Ga isotopes in the $f_{5/2}$ and $pg_{9/2}$ spaces. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 015102.	3.6	18
78	Large-scale shell-model calculations for 32-39P isotopes. , 2012, , .		0
79	Experimental investigation of shell-model excitations of ^{89}Zr up to high spin. Physical Review C, 2012, 86, .	2.9	25
80	NUCLEAR STRUCTURE STUDY WITH CORE EXCITATIONS IN Ni REGION: FOR $f_{9/2}$ SPACE. Modern Physics Letters A, 2012, 27, 1250061.	1.2	7
81	NUCLEAR STRUCTURE STUDY AROUND $Z = 28$. International Journal of Modern Physics E, 2012, 21, 1250007.	1.0	6
82	SHELL MODEL DESCRIPTION OF ^{102}Sn ISOTOPES. International Journal of Modern Physics E, 2012, 21, 1250049.	1.0	4
83	Shell model description of Ge isotopes. Journal of Physics: Conference Series, 2012, 387, 012020.	0.4	5
84	Coriolis contribution to excited states of deformed ^{163}Dy and ^{173}Yb nuclei with multiple mass parameters. Physical Review C, 2012, 85, .	2.9	15
85	Ground-state, \hat{I}^2 and $K = 11/2^+ \hat{I}^3$ bands in $^{163, 165}\text{Er}$. European Physical Journal A, 2012, 48, 1.	2.5	6
86	TWO-PROTON RADIOACTIVITY AS A TOOL FOR NUCLEAR STRUCTURE. , 2012, , .		0
87	Shell-model results in fp and $pg_{9/2}$ spaces for $^{61,63,65}\text{Co}$ isotopes. Physics of Atomic Nuclei, 2011, 74, 971-978.	0.4	9
88	2p radioactivity studies with a TPC. , 2011, , .		0
89	Direct Observation of Two Protons in the Decay of ^{54}Zn . Physical Review Letters, 2011, 107, 102502.	7.8	83
90	Identification of the slow ^{136}Cs transition. Physical Review Letters, 2011, 107, 102502.	2.9	10

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91	Publisher's Note: Identification of the slow E3 transition $^{136}\text{Cs} \rightarrow ^{136}\text{Cs}$ with conversion electrons [Phys. Rev. C 84, 014329 (2011)]. Physical Review C, 2011, 84, .	2.9	1
92	One plus two-body random matrix ensembles with parity: Density of states and parity ratios. Physical Review C, 2011, 83, .	2.9	6
93	MONOPOLE SHIFT IN ODD NEUTRON-RICH F ISOTOPES: A SHELL MODEL DESCRIPTION. International Journal of Modern Physics E, 2011, 20, 637-643.	1.0	6
94	Deformed shell model results for two-neutrino double-beta decay of ^{82}Se . Canadian Journal of Physics, 2011, 89, 1101-1105.	1.1	2
95	Large-scale shell-model calculations for even-odd ^{61}Fe isotopes. Physics of Atomic Nuclei, 2010, 73, 1656-1659.	0.4	7
96	Large-scale shell model calculations for odd-odd ^{58}Mn isotopes. European Physical Journal A, 2010, 45, 185-192.	2.5	18
97	NUCLEAR WEAK RESPONSE FROM THE COMBINED STUDY OF β^2 -DECAY AND CHARGE-EXCHANGE REACTION. International Journal of Modern Physics E, 2009, 18, 2134-2139.	1.0	4
98	Large-scale shell model calculations for even-even ^{62}Fe isotopes. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 105106.	3.6	12
99	Neutron-rich nuclei around $N=16$ shell closure. , 2009, , .		0
100	Parity Inversion and Different Properties of $^{4}\text{Be}^{11}$ Halo Nuclei. AIP Conference Proceedings, 2007, , .	0.4	0