

Saikat Chakraborty

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Fabrication and characterization of \hat{A} $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e338" altimg="si39.svg"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 169 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle Tm$ target for Nuclear Lifetime Measurements. Nuclear Instruments & Methods in Physics Research B, 2022, 511, 1-5.	1.4	3
2	Three-phonon multiplets in ^{116}Sn . Nuclear Physics A, 2022, 1018, 122375.	1.5	1
3	Magnetic rotational band in ^{116}Sb . Nuclear Physics A, 2022, 1019, 122382.	1.5	2
4	Evolution of nuclear structure through isomerism in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle Fr \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 216 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$. Physical Review C, 2022, 105,	2.9	2
5	Level structure in the transitional nucleus $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle Fr \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 215 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$. Physical Review C, 2022, 105,	2.9	5
6	Extended triaxial projected shell model approach for odd-neutron nuclei. Physical Review C, 2022, 105,	2.9	5
7	Fabrication of thin Nb target for lifetime measurements of short lived excited nuclear states. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 985, 164667.	1.6	7
8	Octupole correlations in ^{127}I . International Journal of Modern Physics E, 2021, 30, 2150030.	1.0	0
9	A note on the parity of $\hat{\Gamma} \epsilon = 5 \hat{\alpha}^{\sim}$ state in $^{126,128}\text{Xe}$. International Journal of Modern Physics E, 2021, 30, .	1.0	0
10	Observation of multiphonon transverse wobbling in ^{133}Ba . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 823, 136756.	4.1	11
11	Possible antimagnetic rotational band in $\langle \text{sup} \rangle 127 \langle \text{/sup} \rangle \text{Xe}$. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 015103.	3.6	5
12	$\hat{\Gamma}^3$ -vibration in ^{126}Xe : A revisit. Nuclear Physics A, 2020, 996, 121687.	1.5	12
13	Multiphonon longitudinal wobbling in ^{127}Xe . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135854.	4.1	27
14	Total Routhian surface calculations to study the abrupt band termination phenomenon in $^{121,123}\text{I}$. International Journal of Modern Physics E, 2020, 29, 2050055.	1.0	1
15	Spectroscopic investigation of complex nuclear excitations in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle Ga \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 66 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$. Physical Review C, 2020, 102, .	3.6	3
16	Indication of $\hat{\Gamma}^3$ -vibration in $^{123,125,127}\text{I}$. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 095104.	3.6	5
17	Quasi- $\hat{\Gamma}^3$ band in ^{114}Te . Physical Review C, 2020, 101, .	2.9	3
18	Signature splitting in the positive parity bands of ^{127}Xe . European Physical Journal A, 2020, 56, 1.	2.5	4

#	ARTICLE	IF	CITATIONS
19	Evolution of collectivity and shape transition in Zn . Physical Review C, 2020, 102, .	1.9	5
20	Magnetic Rotation in (60)Ni: A Semiclassical Description. Acta Physica Polonica B, 2020, 51, 473.	0.8	1
21	Lifetime measurements in ^{104}Pd . Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 125104.	3.6	2
22	Structure of positive parity states in ^{139}Pm . Physica Scripta, 2020, 95, 095304.	2.5	1
23	In-beam spectroscopic study of Zn . Physical Review C, 2019, 100, .	1.9	6
24	Observation of quasi- γ bands in Te nuclei. European Physical Journal A, 2019, 55, 1.	2.5	8
25	Fabrication of isotopic ^{127}I target from potassium iodide for heavy ion nuclear reactions. Vacuum, 2019, 167, 336-339.	3.5	5
26	Possible Antimagnetic Rotational Band in ^{102}Ru . Brazilian Journal of Physics, 2019, 49, 539-542.	1.4	4
27	Search for the $23/2^+$ isomeric state in ^{125}Te . Europhysics Letters, 2019, 125, 52001.	2.0	8
28	γ^3 -vibration in ^{198}Hg . European Physical Journal A, 2019, 55, 1.	2.5	7
29	Revised level structure of ^{127}Xe . Europhysics Letters, 2018, 121, 42001.	2.0	10
30	Study of antimagnetic rotation in $^{109,111}Cd$. International Journal of Modern Physics E, 2018, 27, 1850034.	1.0	8
31	Parity doublet structures in doubly-odd Fr . Physical Review C, 2018, 97, .	1.9	9
32	Fabrication of ^{122}Sn target and its application in γ -ray spectroscopy. Physica Scripta, 2018, 93, 115302.	2.5	15
33	Spectroscopy of weakly deformed bands in Zr^{87} : First observation of the shears mechanism in a Zr isotope. Physical Review C, 2018, 98, .	2.9	4
34	High spin states in ^{63}Cu . European Physical Journal A, 2018, 54, 1.	2.5	7
35	Negative parity three-quasiparticle band in ^{127}I . European Physical Journal A, 2018, 54, 1.	2.5	9
36	Rotational band on a three-quasineutron isomer in Xe . Physical Review C, 2018, 97, .	1.9	15

#	ARTICLE	IF	CITATIONS
37	Lifetime measurements in shape transition nucleus ^{188}Pt . European Physical Journal A, 2017, 53, 1.	2.5	9
38	Two-Neutron Alignment in ^{127}Xe . Brazilian Journal of Physics, 2017, 47, 406-410.	1.4	20
39	Investigating Prolate–Oblate Shape Inversion in Pt Nuclei Near $A \sim 188$. Acta Physica Polonica B, 2017, 48, 337.	0.8	3
40	β -ray spectroscopy of fission fragments produced in ^{208}Pb (O18,f). Physical Review C, 2015, 92, .	2.9	16
41	Systematic study of iodine nuclei in $A \sim 125$ mass region. , 2014, , .		0
42	Spin and parity assignments of π h11/2 band in [^{sup 127}]l. , 2013, , .		0
43	Humidity sensor using conductivity type transducer. Review of Scientific Instruments, 1995, 66, 4367-4369.	1.3	5