

kaushik Banerjee

List of Publications by Year in descending order

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593
citing authors

#	ARTICLE	IF	CITATIONS
1	Variation of neutron detection characteristics with dimension of BC501A neutron detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 608, 440-446.	1.6	51
2	Origins of Incomplete Fusion Products and the Suppression of Complete Fusion in Reactions of $^7\text{Li} + ^{20}\text{Ne}$. Physical Review Letters, 2019, 122, 102501.	7.8	44
3	Extreme nuclear shapes examined via giant dipole resonance lineshapes in hot light-mass systems. Physical Review C, 2010, 81, .	2.9	36
4	Mechanisms Suppressing Superheavy Element Yields in Cold Fusion Reactions. Physical Review Letters, 2019, 122, 232503.	7.8	32
5	LAMBDA: Large Area Modular Detector Array for the measurement of high energy rays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 582, 603-610.	1.6	29
6	Probing the critical behavior in the evolution of GDR width at very low temperatures in ^{100}Mo mass region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 92-96.	4.1	25
7	Fission and quasifission of the composite system $^{214}\text{Po} + ^{20}\text{Ne}$ formed in heavy-ion reactions at energies near the Coulomb barrier. Physical Review C, 2019, 99, .	2.9	24
8	Variation of nuclear level density with angular momentum. Physical Review C, 2012, 85, .	2.9	23
9	Direct evidence of fadeout of collective enhancement in nuclear level density. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 105-109.	4.1	23
10	Survival of orbiting in $^{20}\text{Ne} + ^{12}\text{C}$ reactions. Physical Review C, 2005, 72, .	2.9	22
11	Effect of collectivity on the nuclear level density. Physical Review C, 2013, 88, .	2.9	22
12	Experimental Determination of \hat{r} for Finite Nuclear Matter. Physical Review Letters, 2017, 118, 192501.	2.9	21
13	Giant dipole resonance width in nuclei near Sn at low temperature and high angular momentum. Physical Review C, 2008, 77, .	2.9	20
14	Evidence of quasifission in the $^{20}\text{Ne} + ^{20}\text{Ne}$ reaction. Physical Review Letters, 2019, 122, 102501.	2.9	20
15	Experimental signature of collective enhancement in nuclear level density. Physical Review C, 2018, 97, .	2.9	19
16	Experimental signature of collective enhancement in nuclear level density. Physical Review C, 2018, 97, .	2.9	19
17	Fragment emission studies of the $^{16}\text{O} + ^{12}\text{C}$ reaction. Physical Review C, 2008, 78, .	2.9	18
18	Mass-asymmetric fission of ^{209}Bi at energies close to the fission barrier using proton bombardment of ^{209}Bi . Physical Review Letters, 2019, 122, 102501.	2.9	18

#	ARTICLE	IF	CITATIONS
19	Angular-momentum-gated light-particle evaporation spectra from $^{97}\text{Tc}^*$ and $^{62}\text{Zn}^*$ systems. Physical Review C, 2012, 86, .	2.9	15
20	Onset of deformation at $N < 112$ in Bi nuclei. Physical Review C, 2012, 85, .	2.9	14
21	Detailed investigation on the possibility of using EJ-299-33A plastic scintillator for fast neutron spectroscopy in large scale experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 901, 198-202.	1.6	15
22	Interplay of spherical closed shells and N/Z asymmetry in quasifission dynamics. Physical Review C, 2018, 97, .	2.9	14
23	Excitation energy dependence of the level density parameter close to the doubly magic ^{208}Pb and ^{152}Sm . Physical Review C, 2016, 94, .	2.9	13
24	Systematic evidence for quasifission in $^{208}\text{Pb} + ^{9}\text{Be}$ reactions. Physical Review C, 2016, 94, .	2.9	13
25	Systematic evidence for quasifission in $^{208}\text{Pb} + ^{28}\text{Si}$ reactions. Physical Review C, 2016, 94, .	2.9	12
26	Complex-fragment emission in low-energy light-ion reactions. Physical Review C, 2012, 85, .	2.9	11
27	Survival of cluster correlation in dissipative binary breakup of $^{24,25}\text{Mg}$. Physical Review C, 2016, 94, .	2.9	11
28	Angular momentum dependence of the nuclear level density in the ^{170}Yb region. Physical Review C, 2015, 91, .	2.9	10
29	Experimental investigation on the temperature dependence of the nuclear level density parameter. Physical Review C, 2015, 91, .	2.9	9
30	Fission fragment mass distributions in reactions populating ^{200}Pb . Physical Review C, 2016, 94, .	2.9	9
31	Sensitive search for near-symmetric and super-asymmetric fusion-fission of the superheavy element Flerovium ($Z=114$). Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136601.	4.1	9
32	Experimental study of ^{26}Al through the $^{27}\text{Al}(d,t)$ reaction. Physical Review C, 2015, 91, .	2.9	8
33	Fission fragment mass distributions from ^{210}Po and ^{213}At . Physical Review C, 2017, 96, .	2.9	8
34	ChAKRA : The high resolution charged particle detector array at VECC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 943, 162411.	1.6	8
35	Evidence for the reduction of nuclear level density away from the \hat{I}^2 -stability line. Physical Review C, 2020, 102, .	2.9	8
36	Band structures and intruder $i_{13/2}$ state in ^{197}Tl . Physical Review C, 2013, 88, .	2.9	7

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37	Experimental investigation of T=1 analog states of Al ²⁶ and Mg ²⁶ . Physical Review C, 2016, 93, .	2.9	7
38	Return of backbending in ^{169}Er and the effect of the deformed shell gap. Physical Review C, 2017, 95, .	2.9	6
39	Effect of neutron alignments on the structure of ^{197}Au . Physical Review C, 2019, 99, .	2.9	5
40	Energy dependence of fission mass distributions: Mass-asymmetric standard I and standard II modes, and multichance fission. Physical Review C, 2022, 105, .	2.9	5
41	Optimization of beam dump shielding for K-130 cyclotron at VECC. Applied Radiation and Isotopes, 2017, 128, 216-223.	1.5	4
42	Measurement of fragment-mass distributions from fission of ^{214}Po following the $^{214}\text{Po} \rightarrow ^{210}\text{Pb} + ^4\text{He}$ decay. Physical Review C, 2022, 105, .	2.9	4
43	Cluster emission in ^{84}Kr induced reactions populating superheavy elements. Physical Review C, 2022, 105, .	2.9	4
44	Fusion-fission dynamics studies using mass distribution as a probe. Pramana - Journal of Physics, 2015, 85, 291-301.	1.8	3
45	Fragment emission mechanism in the $\text{S}^{32} + \text{C}^{12}$ reaction. Physical Review C, 2017, 95, .	2.9	3
46	Excitation energy and angular momentum dependence of the nuclear level density parameter around $A \approx 110$. Physical Review C, 2021, 103, .	2.9	3
47	Neutron response of the LAMBDA spectrometer and neutron interaction length in BaF ₂ . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 727, 7-11.	1.6	2
48	Nuclear temperatures from evaporation fragment spectra and observed anomalies. Physical Review C, 2013, 87, .	2.9	2
49	Nuclear level density and thermal properties of ^{115}Sn from neutron evaporation. European Physical Journal A, 2021, 57, 1.	2.5	2
50	Isospin dependence of nuclear level density at $A \approx 120$ mass region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 831, 137145.	4.1	2
51	Light-charged-particle emission from hot $^{32}\text{S}^*$ formed in $^{20}\text{Ne} + ^{12}\text{C}$ reaction. European Physical Journal A, 2009, 41, 39-51.	2.5	1
52	CLUSTER EMISSION IN $^{13}\text{C} + ^{12}\text{C}$ + $^{12}\text{C} + ^{12}\text{C}$ REACTIONS AT ~ 6 MEV/NUCLEON. International Journal of Modern Physics E, 2011, 20, 789-792.	1.0	1
53	Decay of Hoyle state. Pramana - Journal of Physics, 2014, 83, 673-682.	1.8	1
54	Fission dynamics study in Am^{243} and Fm^{254} . Physical Review C, 2016, 93, .	2.9	1

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55	Study of ^{26}Mg through 1p pick-up reaction $^{27}\text{Al}(d,3\text{He})$. International Journal of Modern Physics E, 2017, 26, 1750064.	1.0	1
56	Fission fragment mass and folding angle distributions in the reaction $\text{Be} + \text{U}^{238}$. Physical Review C, 2021, 104, .	2.9	1
57	Change over from compound nuclear fission to quasi-fission. , 2009, , .		0
58	Effect of clustering on the emission of light charged particles. European Physical Journal A, 2018, 54, 1.	2.5	0
59	Band structures in ^{169}Tm and the structures of Tm isotopes around $N = 98$. European Physical Journal A, 2019, 55, 1.	2.5	0
60	Complex fragment emission in dissipative binary decay of Kr^{74} . Physical Review C, 2021, 103, .	2.9	0
61	Signature of fusion suppression in complex fragment emission. Physical Review C, 2022, 105, .	2.9	0
62	Production of high-energy $\hat{3}$ rays in proton- and $\hat{\pm}$ -induced reactions. Physical Review C, 2022, 105, .	2.9	0