

kaushik Banerjee

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Quasifission in $\text{Kr} + \text{Kr}$ induced reactions populating superheavy elements. <i>Physical Review C</i> , 2022, 105, .	2.9	4
2	Signature of fusion suppression in complex fragment emission. <i>Physical Review C</i> , 2022, 105, .	2.9	0
3	Isospin dependence of nuclear level density at $A \approx 120$ mass region. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 831, 137145.	4.1	2
4	Production of high-energy γ rays in proton-induced reactions. <i>Physical Review C</i> , 2022, 105, .	2.9	0
5	Energy dependence of fission mass distributions: Mass-asymmetric standard I and standard II modes, and multichance fission. <i>Physical Review C</i> , 2022, 105, .	2.9	5
6	Nuclear level density and thermal properties of ^{115}Sn from neutron evaporation. <i>European Physical Journal A</i> , 2021, 57, 1.	2.5	2
7	Excitation energy and angular momentum dependence of the nuclear level density parameter around $A \approx 110$. <i>Physical Review C</i> , 2021, 103, .	2.9	3
8	Complex fragment emission in dissipative binary decay of $\text{Kr} + \text{Kr}$. <i>Physical Review C</i> , 2021, 103, .	2.9	0
9	$\text{Be} + \text{U}$. <i>Physical Review C</i> , 2021, 104, .	2.9	1
10	Sensitive search for near-symmetric and super-asymmetric fusion-fission of the superheavy element Flerovium ($Z=114$). <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 820, 136601.	4.1	9
11	Quasifission in $\text{Be} + \text{Be}$. <i>Physical Review C</i> , 2021, 103, .	2.9	13
12	Evidence for the reduction of nuclear level density away from the \hat{I}^2 -stability line. <i>Physical Review C</i> , 2020, 102, .	2.9	8
13	Mass-asymmetric fission of $\text{Bi} + \text{Bi}$. <i>Physical Review C</i> , 2021, 104, .	2.9	18
14	Measurement of fragment-mass distributions from fission of $\text{At} + \text{At}$ following the $\text{Be} + \text{Be}$. <i>Physical Review C</i> , 2021, 103, .	2.9	4
15	CHAKRA: The high resolution charged particle detector array at VECC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 943, 162411.	1.6	8
16	Fission and quasifission of the composite system $Z + Z$ formed in heavy-ion reactions at energies near the Coulomb barrier. <i>Physical Review C</i> , 2019, 99, .	2.9	24
17	Mechanisms Suppressing Superheavy Element Yields in Cold Fusion Reactions. <i>Physical Review Letters</i> , 2019, 122, 232503.	7.8	32
18	Effect of neutron alignments on the structure of $\text{Tl} + \text{Tl}$. <i>Physical Review C</i> , 2019, 99, .	2.9	5

#	ARTICLE	IF	CITATIONS
19	Origins of Incomplete Fusion Products and the Suppression of Complete Fusion in Reactions of $^7\text{Li} + ^{169}\text{Tm}$. Physical Review Letters, 2019, 122, 102501.	7.8	44
20	Band structures in ^{169}Tm and the structures of Tm isotopes around $N = 98$. European Physical Journal A, 2019, 55, 1.	2.5	0
21	Experimental signature of collective enhancement in nuclear level density. Physical Review C, 2018, 97, .	2.9	19
22	Effect of clustering on the emission of light charged particles. European Physical Journal A, 2018, 54, 1.	2.5	0
23	Interplay of spherical closed shells and N/Z asymmetry in quasifission dynamics. Physical Review C, 2018, 97, .	2.9	14
24	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
25	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
26	Return of backbending in ^{169}Tm and the effect of the deformed shell gap. Physical Review C, 2017, 95, .	2.9	6
27	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
28	Fragment emission mechanism in the $\text{S32} + \text{C12}$ reaction. Physical Review C, 2017, 95, .	2.9	3
29	Optimization of beam dump shielding for K-130 cyclotron at VECC. Applied Radiation and Isotopes, 2017, 128, 216-223.	1.5	4
30	Experimental Determination of $\hat{\rho}$ for Finite Nuclear Matter. Physical Review Letters, 2017, 118, 192501.	2.1	21
31	Fission fragment mass distributions from Po210 and At213 . Physical Review C, 2017, 96, .	2.9	8
32	Fission fragment mass distributions in reactions populating ^{200}Pb . Physical Review C, 2016, 94, .	2.9	9
33	Experimental investigation of $T=1$ analog states of Al26 and Mg26 . Physical Review C, 2016, 93, .	2.9	7
34	Fission dynamics study in Am243 and Fm254 . Physical Review C, 2016, 93, .	2.9	1
35	Survival of cluster correlation in dissipative binary breakup of $\text{Mg}^{*24,25}$. Physical Review C, 2016, 94, .	2.9	11
36	Excitation energy dependence of the level density parameter close to the doubly magic ^{208}Pb . Physical Review C, 2016, 94, .	2.9	13

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37	Experimental study of Al26 through the 1npick-up reaction Al27(d,t). Physical Review C, 2015, 91, .	2.9	8
38	Fusion-fission dynamics studies using mass distribution as a probe. Pramana - Journal of Physics, 2015, 85, 291-301.	1.8	3
39	Angular momentum dependence of the nuclear level density in the $A < 170 >$ region. Physical Review C, 2015, 91, .	2.9	170
40	Experimental investigation on the temperature dependence of the nuclear level density parameter. Physical Review C, 2015, 91, .	2.9	9
41	Decay of Hoyle state. Pramana - Journal of Physics, 2014, 83, 673-682.	1.8	1
42	Probing the critical behavior in the evolution of GDR width at very low temperatures in $A < 100 >$ mass region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 92-96.	4.1	25
43	Neutron response of the LAMBDA spectrometer and neutron interaction length in BaF2. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Deformation. Physical Review C, 2013, 88, .	1.6	2
44	Deformation in ^{28}Si produced via the $^{28}\text{Si} + ^{12}\text{C}$ reaction. Physical Review C, 2013, 88, .	2.9	12
45	Band structures and intruder $^{13}\text{2state}$ in ^{197}Tl . Physical Review C, 2013, 88, .	2.9	7
46	Nuclear temperatures from evaporation fragment spectra and observed anomalies. Physical Review C, 2013, 87, .	2.9	2
47	Effect of collectivity on the nuclear level density. Physical Review C, 2013, 88, .	2.9	22
48	Angular-momentum-gated light-particle evaporation spectra from $^{97}\text{Tc}^*$ and $^{62}\text{Zn}^*$ systems. Physical Review C, 2012, 86, .	2.9	15
49	Onset of deformation at $N < 112 >$ in Bi nuclei. Physical Review C, 2012, 85, .	2.9	15
50	Variation of nuclear level density with angular momentum. Physical Review C, 2012, 85, .	2.9	23
51	Complex-fragment emission in low-energy light-ion reactions. Physical Review C, 2012, 85, . Evidence of quasifission in the $^{208}\text{Po} + ^{12}\text{C}$ reaction. Physical Review C, 2012, 85, .	2.9	11
52	Complex-fragment emission in low-energy light-ion reactions. Physical Review C, 2012, 85, . Evidence of quasifission in the $^{208}\text{Po} + ^{12}\text{C}$ reaction. Physical Review C, 2012, 85, .	2.9	20
53	CLUSTER EMISSION IN $^{208}\text{Po} + ^{12}\text{C}$ REACTIONS AT ~ 6 MEV/NUCLEON. International Journal of Modern Physics E, 2011, 20, 789-792.	1.0	1
54	Extreme nuclear shapes examined via giant dipole resonance lineshapes in hot light-mass systems. Physical Review C, 2010, 81, .	2.9	36

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55	Change over from compound nuclear fission to quasi-fission. , 2009, , .		0
56	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
57	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
58	Fragment emission studies of the $^{16}\text{O} + ^{12}\text{C}$ reaction. Physical Review C, 2008, 78, .	2.9	18
59	Giant dipole resonance width in nuclei near Sn at low temperature and high angular momentum. Physical Review C, 2008, 77.	2.9	20
60	Characterization of fragment emission in $^{20}\text{Ne} + ^{70}\text{Zn}$ reaction. Physical Review C, 2008, 77.		
61	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
62	Survival of orbiting in $^{20}\text{Ne} + ^{12}\text{C}$ reactions. Physical Review C, 2005, 72, .	2.9	22