

# Tilak Kumar Ghosh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8462477/publications.pdf>

Version: 2024-02-01

37  
papers

304  
citations

1040056

9  
h-index

888059

17  
g-index

38  
all docs

38  
docs citations

38  
times ranked

397  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fission and quasifission of composite systems with $Z < 20$ : Transition from heavy-ion reactions involving S and Ca to Ti and Ni ions. Physical Review C, 2016, 94, .	2.9	408
2	Probing effective nucleon masses with heavy-ion collisions. Physical Review C, 2016, 94, .	2.9	44
3	Probing effective nucleon masses with heavy-ion collisions. Physical Review C, 2016, 94, .	2.9	29
4	Fission and quasifission of the composite system $Z < 20$ formed in heavy-ion reactions at energies near the Coulomb barrier. Physical Review C, 2019, 99, .	2.9	244
5	Excitation energy dependence of the level density parameter close to the doubly magic $^{16}\text{O} + ^{16}\text{O}$ system. Physical Review C, 2016, 94, .	2.9	20
6	Excitation energy dependence of the level density parameter close to the doubly magic $^{208}\text{Pb}$ nucleus. Physical Review C, 2016, 94, .	2.9	13
7	Probing elastic and inelastic breakup contributions to intermediate-energy two-proton removal reactions. Physical Review C, 2012, 85, .	2.9	11
8	Survival of cluster correlation in dissipative binary breakup of $\text{Mg}^{*24,25}$ . Physical Review C, 2016, 94, .	2.9	11
9	Elastic breakup cross sections of well-bound nucleons. Physical Review C, 2014, 90, .	2.9	9
10	No influence of $a_{N=126}$ neutron-shell closure in fission-fragment mass distributions. Physical Review C, 2015, 92, .	2.9	9
11	Fission fragment mass distributions in reactions populating $^{200}\text{Pb}$ . Physical Review C, 2016, 94, .	2.9	9
12	Experimental study of $^{13}\text{C}$ pick-up reaction $^{27}\text{Al}(d,t)$ . Physical Review C, 2015, 91, .	2.9	8
13	Fission fragment mass distributions from $^{210}\text{Po}$ and $^{213}\text{At}$ . Physical Review C, 2017, 96, .	2.9	8
14	Evidence for the reduction of nuclear level density away from the $\hat{I}^2$ -stability line. Physical Review C, 2020, 102, .	2.9	8
15	Band structures and intruder $1/2^+$ state in $^{197}\text{Tl}$ . Physical Review C, 2013, 88, .	2.9	7
16	Experimental investigation of $T=1$ analog states of $^{26}\text{Al}$ and $^{26}\text{Mg}$ . Physical Review C, 2016, 93, .	2.9	7
17	Fusion-fission dynamics of $^{188}\text{Pt}$ and $^{190}\text{Pt}$ through fission fragment mass distribution measurements. Physical Review C, 2019, 100, .	2.9	6
18	Effect of neutron alignments on the structure of $^{197}\text{Tl}$ . Physical Review C, 2019, 99, .	2.9	5

#	ARTICLE	IF	CITATIONS
19	Measurement of fragment mass distributions from fission of $^{214}\text{Po}$ following the $^{214}\text{Po} \rightarrow ^{84}\text{Kr} + ^{130}\text{Xe}$ reaction. Physical Review C, 2022, 105, .	2.9	4
20	Quasifission in $^{84}\text{Kr} + ^{130}\text{Xe}$ reaction. Physical Review C, 2022, 105, .	2.9	4
21	Fusion-fission dynamics studies using mass distribution as a probe. Pramana - Journal of Physics, 2015, 85, 291-301.	1.8	3
22	Fragment emission mechanism in the $^{32}\text{S} + ^{12}\text{C}$ reaction. Physical Review C, 2017, 95, .	2.9	3
23	Role of quasifission in fission fragment mass distributions for the $^{28}\text{Si} + ^{197}\text{Au}$ reaction. Physical Review C, 2019, 99, .	2.9	3
24	Excitation energy and angular momentum dependence of the nuclear level density parameter around $A \approx 110$ . Physical Review C, 2021, 103, .	2.9	3
25	Experimental nuclear physics research using the cyclotron at VECC. European Physical Journal A, 2018, 54, 1.	2.5	2
26	Nuclear level density and thermal properties of $^{115}\text{Sn}$ from neutron evaporation. European Physical Journal A, 2021, 57, 1.	2.5	2
27	CLUSTER EMISSION IN $^{13}\text{C} + ^{12}\text{C}$ and $^{12}\text{C} + ^{12}\text{C}$ REACTIONS AT $\sim 6$ MEV/NUCLEON. International Journal of Modern Physics E, 2011, 20, 789-792.	1.0	1
28	Decay of Hoyle state. Pramana - Journal of Physics, 2014, 83, 673-682.	1.8	1
29	Fission dynamics study in $^{243}\text{Am}$ and $^{254}\text{Fm}$ . Physical Review C, 2016, 93, .	2.9	1
30	Study of $^{26}\text{Mg}$ through 1p pick-up reaction $^{27}\text{Al}(d, ^3\text{He})$ . International Journal of Modern Physics E, 2017, 26, 1750064.	1.0	1
31	Fission fragment mass and folding angle distributions in the reaction $^{9}\text{Be} + ^{238}\text{U}$ . Physical Review C, 2021, 104, .	2.9	1
32	Variation of variance of fission fragment mass distribution: a probe to study the dynamics of fusion-fission reactions. AIP Conference Proceedings, 2007, .	0.4	0
33	Change over from compound nuclear fission to quasi-fission. , 2009, .		0
34	Effect of clustering on the emission of light charged particles. European Physical Journal A, 2018, 54, 1.	2.5	0
35	Band structures in $^{169}\text{Tm}$ and the structures of Tm isotopes around $N = 98$ . European Physical Journal A, 2019, 55, 1.	2.5	0
36	Complex fragment emission in dissipative binary decay of $^{74}\text{Kr} + ^{76}\text{Kr}$ . Physical Review C, 2021, 103, .	2.9	0

#	ARTICLE	IF	CITATIONS
37	Signature of fusion suppression in complex fragment emission. Physical Review C, 2022, 105, .	2.9	0