

Ambar Chatterjee

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,371
citations

361413

20
h-index

330143

37
g-index

54
all docs

54
docs citations

54
times ranked

691
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct and compound reactions induced by unstable helium beams near the Coulomb barrier. Physical Review C, 2004, 70, .	2.9	108
2	Evidence for transfer followed by breakup in $7\text{Li}+65\text{Cu}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 633, 463-468.	4.1	108
3	Velocity slice imaging for dissociative electron attachment. Review of Scientific Instruments, 2005, 76, 053107.	1.3	88
4	Fusion of the weakly bound projectile Be with ^9Li . Physical Review Letters, 2006, 96, 022701.	2.9	79
5	Prompt fission spectroscopic studies of fragment nuclei in thermal neutron induced fission of ^{235}U . Physical Review C, 2012, 85, .	2.9	78
6	Role of the cluster structure of 7Li in the dynamics of fragment capture. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 931-936.	4.1	71
7	Fusion reaction studies for the $^6\text{Li}+^7\text{Li}$ system. Physical Review Letters, 2009, 103, 232702.	2.9	61
8	Fusion and quasi-elastic scattering in the $^6\text{Li}+^7\text{Li}$ system. Physical Review Letters, 2009, 103, 232702.	2.9	57
9	Fission time scale from precession neutron, proton, and \pm particle multiplicities in $^{175}\text{Lu}+^{28}\text{Si}$. Physical Review C, 2006, 73, .	2.9	56
10	Exploring Fusion at Extreme Sub-Barrier Energies with Weakly Bound Nuclei. Physical Review Letters, 2009, 103, 232702.	7.8	53
11	Reactions with the double-Borromean nucleus ^8He . Physical Review C, 2010, 82, .	2.9	52
12	Elastic scattering and fusion cross sections for $^7\text{Be}, ^7\text{Li}+^{12}\text{C}$ systems. Physical Review C, 2006, 73, .	2.9	45
13	Shell Effects in Fission Fragment Anisotropies for $^{198}\text{Pt}+^{12}\text{C}$ Systems. Physical Review Letters, 1999, 82, 699-702.	7.8	43
14	Disentangling reaction mechanisms for ^6Li production in the $^6\text{Li}+^{209}\text{Bi}$ reaction. Physical Review C, 2012, 85, .	2.9	36
15	Experimental signatures for distinguishing breakup fusion and transfer in $^7\text{Li}+^{165}\text{Ho}$. Physical Review C, 2005, 72, .	2.9	35
16	Collectivity against nucleon transfer in sub-barrier fusion of $^{12}\text{C}+^{198}\text{Pt}$. Physical Review C, 2001, 63, .	2.9	34
17	Probing transfer to unbound states of the ejectile with weakly bound ^7Li on ^{93}Nb . Physical Review C, 2016, 93, .	2.9	27
18	Fragment spin as a function of the mass asymmetry in heavy ion induced fission reactions. Physical Review C, 1999, 60, .	2.9	26

#	ARTICLE	IF	CITATIONS
37	Sub-barrier fission fragment angular distributions for the system $^{19}\text{F}+^{232}\text{Th}$. Pramana - Journal of Physics, 1993, 41, 339-344.	1.8	7
38	Role of target shell structure in direct reactions involving weakly bound ^7Li . Physical Review C, 2019, 100, .	2.9	7
39	Data acquisition for experiments with multi-detector arrays. Pramana - Journal of Physics, 2001, 57, 135-139.	1.8	6
40	Observation of unexpected orbiting behavior for $^{16}\text{O}+^{89}\text{Y}$ and $^{16}\text{O}+^{93}\text{Nb}$ reactions. Physical Review C, 2003, 68, .	2.9	6
41	Search for oscillations in evaporation $\hat{\pi}$ -particle spectra from hot compound nuclei. Physical Review C, 2002, 66, .	2.9	5
42	THE STUDY OF $\hat{\pi} + ^{14}\text{C}$ CLUSTER STATES OF ^{18}O THROUGH THE RESONANT BREAKUP REACTION $^{12}\text{C}(^{18}\text{O}, ^{14}\hat{\pi})$ AT $E(^{18}\text{O}) = 94.5$ MeV. International Journal of Modern Physics E, 2009, 18, 1917-1928.	1.0	3
43	Light-charged-particle evaporation from hot ^{31}P nucleus at $E^* \approx 60$ MeV. European Physical Journal A, 2002, 14, 53-61.	2.5	2
44	ENSTAR detector for $\hat{\pi}$ -mesic studies. Pramana - Journal of Physics, 2006, 66, 885-892.	1.8	2
45	Study of $\hat{\pi}$ -nucleus interaction through the formation of $\hat{\pi}$ -nucleus bound state. Pramana - Journal of Physics, 2006, 66, 943-946.	1.8	2
46	Reaction mechanism study of $^7\text{Li}(^7\text{Li}, ^6\text{He})$ reaction at above Coulomb barrier energies. Pramana - Journal of Physics, 2009, 72, 363-373.	1.8	2
47	Nuclear temperatures from evaporation fragment spectra and observed anomalies. Physical Review C, 2013, 87, .	2.9	2
48	Fission time-scale from the measurement of pre-scission light particles and $\hat{\pi}$ -ray multiplicities. Pramana - Journal of Physics, 2015, 85, 335-343.	1.8	2
49	Evaluation of detection efficiency and neutron scattering in NAND detector array: FLUKA simulation and experimental validation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1013, 165682.	1.6	2
50	Angular distributions in pre-equilibrium reactions. Zeitschrift für Physik A, 1983, 313, 93-98.	1.4	1
51	Isospin symmetry violation, meson production and $\hat{\pi}$ -nucleus interaction studies. Pramana - Journal of Physics, 2006, 66, 893-901.	1.8	1
52	NEUTRON CORRELATIONS IN ^{6}He VIEWED THROUGH NUCLEAR BREAK-UP. Modern Physics Letters A, 2010, 25, 1846-1849.	1.2	1
53	OBSERVATION OF HEAVY CLUSTER STRUCTURE OF ^{18}O BY INCLUSIVE MEASUREMENT OF INTERMEDIATE MASS FRAGMENT EMITTED IN $^{18}\text{O}+^{12}\text{C}$ REACTION AT 80 MeV. International Journal of Modern Physics E, 2011, 20, 1058-1061.	1.0	1
54	Breakup of 42 MeV ^7Li projectiles in the fields of ^{12}C and ^{197}Au nuclei. Pramana - Journal of Physics, 2001, 57, 209-213.	1.8	0