

Kai Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

355
citations

933447

10
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

164
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties of the composite systems formed in the reactions of $^{238}\text{U} + ^{238}\text{U}$ collisions at near-barrier energy. Physical Review C, 2016, 94, .	2.9	67
2	Fusion-fission reactions with a modified Woods-Saxon potential. Physical Review C, 2008, 77, .	2.9	48
3	Production mechanism of neutron-rich transuranium nuclei in $^{238}\text{U} + ^{238}\text{U}$ collisions at near-barrier energy. Physical Review C, 2016, 94, .	2.9	45
4	Production of unknown neutron-rich isotopes in $^{238}\text{U} + ^{238}\text{U}$ collisions at near-barrier energy. Physical Review C, 2016, 94, .	2.9	42
5	Progress of quantum molecular dynamics model and its applications in heavy ion collisions. Frontiers of Physics, 2020, 15, 1.	5.0	32
6	Quantum molecular dynamics study of the mass distribution of products in $^{238}\text{U} + ^{238}\text{U}$ collisions at 7.0A MeV . Physical Review C, 2010, 82, .	2.9	25
7	Systematic study of the mass distributions and orientations in the $^{238}\text{U} + ^{238}\text{U}$ collisions at 7.0A MeV . Physical Review C, 2010, 82, .	2.9	25
8	Mechanism of ternary breakup in the reaction $^{197}\text{Au} + ^{197}\text{Au}$ at 15A MeV . Physical Review C, 2010, 82, .	2.9	16
9	Production of neutron-rich $N \approx 126$ nuclei in multinucleon transfer reactions: Comparison between $^{136}\text{Xe} + ^{198}\text{Pt}$ and $^{238}\text{U} + ^{198}\text{Pt}$ reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 815, 136101.	4.1	16
10	Systematic study of ^{16}O -induced fusion with the improved quantum molecular dynamics model. Physical Review C, 2014, 90, .	2.9	14
11	Mass parameters for relative and neck collective motions in heavy ion fusion reactions. Physical Review C, 2009, 79, .	2.9	10
12	Fusion and quasi-fission dynamics in nearly-symmetric reactions. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1.	5.1	9
13	Correlation between the fragmentation modes and light charged particles emission in heavy ion collisions. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1.	5.1	6
14	Monte-Carlo simulation of ion distributions in a gas cell for multinucleon transfer reaction products at LENSIAF spectrometer. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 528-532.	1.4	0
15	THE PRODUCTION PROBABILITY OF SUPERHEAVY FRAGMENTS AT DIFFERENT DEFORMATION AND ORIENTATION IN $^{238}\text{U} + ^{238}\text{U}$ REACTION. , 2016, , .		0