

Yibin Qian

List of Publications by Year in descending order

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papers

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623734

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all docs

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docs citations

31
times ranked

254
citing authors

#	ARTICLE	IF	CITATIONS
1	Systematics of α -decay energies in the valence correlation scheme. Physical Review C, 2021, 103, .	2.9	8
2	Refining the nuclear mass model via the α -decay energy. Physical Review C, 2021, 104, .	2.9	4
3	Robustness of heavy and superheavy nuclei against α -decay: Progress toward identifying the possible location of the "island of stability". Physical Review C, 2019, 100, .	2.9	8
4	Influence of nuclear isospin and angular momentum on α -decay half-lives. Nuclear Physics A, 2019, 983, 310-320.	1.5	41
5	Landscape of α -preformation probability for even-even nuclei in medium mass region. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 035103.	3.6	2
6	New insight into α -clustering of heavy nuclei via their α -decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 298-302.	4.1	13
7	Partial seniority conservation and solvability of single- j systems. Physical Review C, 2018, 98, .	2.9	10
8	Half-lives of α -decaying nuclei in the medium-mass region within the transfer matrix method. Physical Review C, 2018, 97, .	2.9	6
9	Improved evaluation of nuclear charge radii for superheavy nuclei. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 085103.	3.6	6
10	Toward a comprehensive description of decay properties for uranium isotopes. Physical Review C, 2016, 94, .	2.9	11
11	Further study of α -decay in heavy isotopic chains considering the isospin effect. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 065102.	3.6	14
12	Reexamining cluster radioactivity in trans-lead nuclei with consideration of specific density distributions in daughter nuclei and clusters. Physical Review C, 2016, 94, .	2.9	21
13	Calculations on decay rates of various proton emissions. European Physical Journal A, 2016, 52, 1.	2.5	39
14	Tentative study of nuclear charge radii for neutron-deficient nuclei around the $Z = 82$ shell from experimental α -decay data. Nuclear Physics A, 2016, 945, 134-143.	1.5	5
15	SYSTEMATIC CALCULATIONS ON HALF-LIVES OF VARIOUS CLUSTER EMISSIONS IN TRANS-LEAD NUCLEI. , 2016, , .		0
16	Predictions on properties of α -decay and spontaneous fission in superheavy odd- Z nuclei. Physical Review C, 2014, 90, .	2.9	27
17	Tentative probe into the nuclear charge radii of superheavy odd-mass and odd-odd nuclei. Physical Review C, 2014, 89, .	2.9	33
18	Half-lives of α -decay from natural nuclides and from superheavy elements. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 87-91.	4.1	34

#	ARTICLE	IF	CITATIONS
19	Model-independent trend of \hat{I}_{\pm} -preformation probability. Science China: Physics, Mechanics and Astronomy, 2013, 56, 1520-1524.	5.1	37
20	Possible \hat{I}_{\pm} decay chains from isotopes of superheavy element 120. European Physical Journal A, 2013, 49, 1.	2.5	9
21	Nuclear charge radii of heavy and superheavy nuclei from the experimental \hat{I}_{\pm} -decay energies and half-lives. Physical Review C, 2013, 87, .	2.9	42
22	Attempt to probe nuclear charge radii by cluster and proton emissions. Physical Review C, 2013, 87, .	2.9	10
23	Systematic calculations of \hat{I}_{\pm} decay properties based on results from recent experiments. Physical Review C, 2013, 88, .	2.9	10
24	Unfavored \hat{I}_{\pm} decay from ground state to ground state in the range $53 < Z < 100$. Physical Review C, 2012, 85, .	2.9	35
25	Shape probe of Hg and Pt isotopes by \hat{I}_{\pm} decay. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 115106.	3.6	5
26	\hat{I}_{\pm} -Decay near the shell closure from ground and isomeric states. Nuclear Physics A, 2011, 866, 1-15.	1.5	32
27	Systematic calculations on exotic \hat{I}_{\pm} -decay half-lives of nuclei with $N < 125$, 126, 127. Nuclear Physics A, 2011, 852, 82-91.	1.5	48
28	Calculations of \hat{I}_{\pm} -decay half-lives for heavy and superheavy nuclei. Physical Review C, 2011, 83, .	2.9	59
29	Systematic study of new data for extreme \hat{I}_{\pm} decays. Physical Review C, 2011, 84, .	2.9	23
30	\hat{I}_{\pm} -decay half-lives in medium mass nuclei. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 015102.	3.6	24
31	Shell evolution in neutron-rich nuclei: the single particle perspective. Chinese Physics C, 0, , .	3.7	0