

# Yibin Qian

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

616  
citations

623734

14  
h-index

580821

25  
g-index

31  
all docs

31  
docs citations

31  
times ranked

254  
citing authors

#	ARTICLE	IF	CITATIONS
1	Calculations of $\hat{I}_{\pm}$ -decay half-lives for heavy and superheavy nuclei. Physical Review C, 2011, 83, .	2.9	59
2	Systematic calculations on exotic $\hat{I}_{\pm}$ -decay half-lives of nuclei with $N < 125$ . Nuclear Physics A, 2011, 852, 82-91.	1.5	48
3	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
4	Influence of nuclear isospin and angular momentum on $\hat{I}_{\pm}$ -decay half-lives. Nuclear Physics A, 2019, 983, 310-320.	1.5	41
5	Calculations on decay rates of various proton emissions. European Physical Journal A, 2016, 52, 1.	2.5	39
6	Model-independent trend of $\hat{I}_{\pm}$ -preformation probability. Science China: Physics, Mechanics and Astronomy, 2013, 56, 1520-1524.	5.1	37
7	Unfavored $\hat{I}_{\pm}$ -decay from ground state to ground state in the range $Z > 53$ . Physical Review C, 2013, 85, .	2.9	35
8	Half-lives of $\hat{I}_{\pm}$ 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
9	Tentative probe into the nuclear charge radii of superheavy odd-mass and odd-odd nuclei. Physical Review C, 2014, 89, .	2.9	33
10	$\hat{I}_{\pm}$ -Decay near the shell closure from ground and isomeric states. Nuclear Physics A, 2011, 866, 1-15.	1.5	32
11	Predictions on properties of $\hat{I}_{\pm}$ -decay and spontaneous fission in superheavy odd- $Z$ nuclei. Physical Review C, 2014, 90, .	2.9	27
12	$\hat{I}_{\pm}$ -decay half-lives in medium mass nuclei. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 015102.	3.6	24
13	Systematic study of new data for extreme $\hat{I}_{\pm}$ decays. Physical Review C, 2011, 84, .	2.9	23
14	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
15	Further study of $\hat{I}_{\pm}$ -decay in heavy isotopic chains considering the isospin effect. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 065102.	3.6	14
16	New insight into $\hat{I}_{\pm}$ clustering of heavy nuclei via their $\hat{I}_{\pm}$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 298-302.	4.1	13
17	Toward a comprehensive description of decay properties for uranium isotopes. Physical Review C, 2016, 94, .	2.9	11
18	Attempt to probe nuclear charge radii by cluster and proton emissions. Physical Review C, 2013, 87, .	2.9	10

#	ARTICLE	IF	CITATIONS
19	Systematic calculations of $\alpha$ decay properties based on results from recent experiments. Physical Review C, 2013, 88, .	2.9	10
20	Partial seniority conservation and solvability of single- $j$ systems. Physical Review C, 2018, 98, .	2.9	10
21	Possible $\alpha$ decay chains from isotopes of superheavy element 120. European Physical Journal A, 2013, 49, 1.	2.5	9
22	Robustness of heavy and superheavy nuclei against $\alpha$ decay: Progress toward identifying the possible location of the "island of stability". Physical Review C, 2019, 100, .	2.9	8
23	Systematics of $\alpha$ -decay energies in the valence correlation scheme. Physical Review C, 2021, 103, .	2.9	8
24	Half-lives of $\alpha$ -decaying nuclei in the medium-mass region within the transfer matrix method. Physical Review C, 2018, 97, .	2.9	6
25	Improved evaluation of nuclear charge radii for superheavy nuclei. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 085103.	3.6	6
26	Shape probe of Hg and Pt isotopes by $\alpha$ decay. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 115106.	3.6	5
27	Tentative study of nuclear charge radii for neutron-deficient nuclei around the Z = 82 shell from experimental $\alpha$ decay data. Nuclear Physics A, 2016, 945, 134-143.	1.5	5
28	Refining the nuclear mass model via the $\alpha$ decay energy. Physical Review C, 2021, 104, .	2.9	4
29	Landscape of $\alpha$ preformation probability for even-even nuclei in medium mass region. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 035103.	3.6	2
30	Shell evolution in neutron-rich nuclei: the single particle perspective. Chinese Physics C, 0, , .	3.7	0
31	SYSTEMATIC CALCULATIONS ON HALF-LIVES OF VARIOUS CLUSTER EMISSIONS IN TRANS-LEAD NUCLEI. , 2016, , .		0