

Vahid Dehghani

List of Publications by Year in descending order

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33
papers

200
citations

1162889

8
h-index

1199470

12
g-index

33
all docs

33
docs citations

33
times ranked

75
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal properties of nuclei using RMF theory with average value gap parameter. Nuclear Physics A, 2022, 1017, 122353.	0.6	1
2	Alpha decay half-lives of even-even nuclei using alpha-folding interaction. European Physical Journal A, 2022, 58, 1.	1.0	2
3	Cluster decay half-lives using asymmetry dependent densities. Chinese Physics C, 2022, 46, 044104.	1.5	3
4	Alpha decay half lives of spherical even-even nuclei: Role of repulsive core. Nuclear Physics A, 2021, 1006, 122111.	0.6	3
5	Systematic of alpha decay half-lives: role of quantization condition. Canadian Journal of Physics, 2021, 99, 24-32.	0.4	2
6	Proton radioactivity half-lives with nuclear asymmetry factor. Chinese Physics C, 2021, 45, 044108.	1.5	7
7	Heavy ion fusion reaction cross section: Analysis of the temperature dependence of the repulsive nuclear potential. Physical Review C, 2020, 102, .	1.1	5
8	\hat{I}^2 + /EC transitions of ^{40}Sc using Tammâ€“Dancoff approximation. Chinese Journal of Physics, 2020, 66, 406-414.	2.0	0
9	Temperature dependence of the alpha decay half-lives of even-even Th isotopes. Nuclear Physics A, 2020, 1002, 121947.	0.6	14
10	Role of magic numbers in thermodynamic quantities of ^{206}Pb and ^{138}Ba using BCS and Lipkin-Nogami models. European Physical Journal A, 2019, 55, 1.	1.0	1
11	Mass-split dependence of pre-scission neutron multiplicity by four-dimensional Langevin dynamics in ^{16}O , ^{40}Ar and ^{64}Ni -induced fusionâ€“fission reactions. International Journal of Modern Physics E, 2019, 28, 1950077.	0.4	2
12	Prediction of Alpha Decay Half-Lives of $Z = 118$ â€“ 121 Superheavy Nuclei with $A \hat{\%} 300$ by Using the Double-Folding Potential. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2019, 74, 551-560.	0.7	8
13	Variations of stable oxygen and hydrogen isotope ratios in the cold and thermal springs of the Bazman volcanic area (in the southeast of Iran). Environmental Earth Sciences, 2019, 78, 1.	1.3	2
14	Alpha and cluster decay of some deformed heavy and superheavy nuclei. Nuclear Physics A, 2019, 983, 77-89.	0.6	22
15	Cluster Decay Half-life with Double-folding Potential: Uncertainty Analysis. Acta Physica Polonica B, 2019, 50, 1349.	0.3	8
16	Empirical formulas for proton decay half-lives: Role of nuclear deformation and $\langle i \rangle Q \langle /i \rangle$ -value. Chinese Physics C, 2018, 42, 104101.	1.5	6
17	Thermal properties of $^{96,97}\text{Mo}$ using Lipkinâ€“Nogami model with an average value gap parameter. International Journal of Modern Physics E, 2018, 27, 1850045.	0.4	1
18	Role of constant value of surface diffuseness in alpha decay half-lives of superheavy nuclei. Modern Physics Letters A, 2018, 33, 1850080.	0.5	12

#	ARTICLE	IF	CITATIONS
19	Calculation of proton radioactivity half-lives. Nuclear Physics A, 2018, 977, 49-59.	0.6	7
20	Influence of deformed surface diffuseness on alpha decay half-lives of actinides and lanthanides. Nuclear Physics A, 2017, 963, 68-77.	0.6	18
21	Alpha-induced reaction cross-section for Sm, U, Np targets: influence of hexadecapole deformation and deformed surface diffuseness. Chinese Physics C, 2017, 41, 064104.	1.5	1
22	Investigation of heavy-ion fusion with deformed surface diffuseness: Actinide and lanthanide targets. Physical Review C, 2017, 95, .	1.1	9
23	Calculating the thermal properties of 93,94,95Mo using the BCS model with an average value gap parameter. Nuclear Science and Techniques/Hewuli, 2017, 28, 1.	1.3	3
24	The Effect of Curing Light Intensity on Free Volume Size in Some Dental Composites. Polimery W Medycynie, 2017, 46, 129-133.	0.6	3
25	Nuclear level density of even-even nuclei with temperature-dependent pairing energy. European Physical Journal A, 2016, 52, 1.	1.0	5
26	Effect of quasi-particle number fluctuations on thermodynamic properties of 183,184,185W. International Journal of Modern Physics E, 2016, 25, 1650080.	0.4	0
27	Back shifted Fermi gas model with temperature dependent pairing energy: Thermal properties of 98Mo. International Journal of Modern Physics E, 2016, 25, 1650065.	0.4	1
28	The effect of shell closure on the thermodynamic properties of 207Pb and 89Y. International Journal of Modern Physics E, 2016, 25, 1650098.	0.4	3
29	Influence of nuclear deformation on level density parameter. Modern Physics Letters A, 2016, 31, 1650211.	0.5	0
30	The entropy excess and moment of inertia excess ratio with inclusion of statistical pairing fluctuations. International Journal of Modern Physics E, 2014, 23, 1450015.	0.4	6
31	Applying modified Ginzburg-Landau theory to nuclei. Physical Review C, 2014, 90, .	1.1	14
32	Pairing phase transition and thermodynamical quantities in 148,149Sm. Nuclear Physics A, 2014, 930, 57-62.	0.6	15
33	Statistical pairing fluctuation and phase transition in ⁹⁴ Mo. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 045108.	1.4	16