Wasiu Yahya

List of Publications by Year
in descending order

21 papers	331 citations	1040056 9 h-index	839539 18 g-index
21 all docs	21 docs citations	21 times ranked	141 citing authors

#	Article	IF	Citations
1	Thermodynamic properties and the approximate solutions of the SchrÃ¶dinger equation with the shifted Dengâ€"Fan potential model. Molecular Physics, 2014, 112, 127-141.	1.7	113
2	Position and momentum informationâ€theoretic measures of the pseudoharmonic potential. International Journal of Quantum Chemistry, 2015, 115, 1543-1552.	2.0	51
3	Graphene@Ni0.5Co0.5Fe2O4 hybrid framework with enhanced interfacial polarization for electromagnetic wave absorption. Journal of Alloys and Compounds, 2021, 854, 157259.	5.5	25
4	Îº state solutions for the fermionic massive spin-Â½ particles interacting with double ring-shaped Kratzer and oscillator potentials. International Journal of Modern Physics E, 2014, 23, 1450005.	1.0	16
5	Quantum information entropies for the $$ell $$ â„" -state PÃ¶schlâ€"Teller-type potential. Journal of Mathematical Chemistry, 2016, 54, 1810-1821.	1.5	16
6	Thermodynamic properties and approximate solutions of the â„"-state PÃ¶schlâ€"Teller-type potential. Journal of the Association of Arab Universities for Basic and Applied Sciences, 2016, 21, 53-58.	1.0	16
7	SOLUTIONS OF THE DIRAC EQUATION WITH THE SHIFTED DENGâ€"FAN POTENTIAL INCLUDING YUKAWA-LIKE TENSOR INTERACTION. International Journal of Modern Physics E, 2013, 22, 1350062.	1.0	14
8	Alpha decay study of Thorium isotopes using double folding model with NN interactions derived from relativistic mean field theory. Nuclear Physics A, 2021, 1015, 122311.	1.5	10
9	Alpha decay half-lives of 171-189Hg isotopes using Modified Gamow-like model and temperature dependent proximity potential. Journal of the Nigerian Society of Physical Sciences, 0, , 250-256.	0.0	10
10	Bound state solutions of the Dirac equation for the trigonometric and hyperbolic Scarf-Grosche potentials using the Nikiforov-Uvarov method. Journal of Mathematical Physics, 2013, 54, 013508.	1.1	9
11	Calculations of the Alpha Decay Half-lives of Some Polonium Isotopes Using the Double Folding Model. Acta Physica Polonica B, 2021, 52, 1357.	0.8	7
12	Nonrelativistic and relativistic bound state solutions of the molecular Tietz potential via the improved asymptotic iteration method. Canadian Journal of Chemistry, 2014, 92, 215-220.	1.1	6
13	Half-lives of Î±-decay from nuclei with Zâ€=â€¯92â€"â€¯118 using the double folding model with relativistic NN interactions. Nuclear Physics A, 2022, 1018, 122360.	1.5	6
14	Comparison of double-folding effective interactions within the cluster model. Physical Review C, 2018, 98, .	2.9	5
15	Calculation of a complete set of spin observables for proton elastic scattering from stable and unstable nuclei. Physical Review C, 2018, 98, .	2.9	5
16	The Î±-decay half-lives of heavy nuclei via the double folding model with the use of relativistic NN interactions. International Journal of Modern Physics E, 2022, 31, .	1.0	5
17	Predictions of (alpha)-decay Half-lives for Neutron-deficient Nuclei with the Aid of Artificial Neural Network. Acta Physica Polonica B, 2022, 53, 1.	0.8	5
18	Cluster decay half-lives using relativistic density dependent double folding model. European Physical Journal A, 2022, 58, 1.	2.5	4

#	Article	IF	Citations
19	Entanglement fidelity for electron–electron interaction in strongly coupled semiclassical plasma and under external fields. Laser Physics Letters, 2019, 16, 045204.	1.4	3
20	Predictions of the alpha-decay half-lives of even–even superheavy nuclei using modified Gamow-like model. Physica Scripta, 2022, 97, 055302.	2.5	3
21	Theoretical study of the α-decay half-lives of $^{186-224}\mathrm{Po}$ isotopes. Pramana - Journal of Physics, 2022, 96, 1.	1.8	2