

# Michael C Onyeaju

## List of Publications by Year in descending order

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54  
papers

786  
citations

516215

16  
h-index

580395

25  
g-index

54  
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54  
docs citations

54  
times ranked

172  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aharonovâ€™Bohm (AB) flux and thermomagnetic properties of Hellmann plus screened Kratzer potential as applied to diatomic molecules using Nikiforovâ€™Uvarov-Functional-Analysis (NUFA) method. <i>Molecular Physics</i> , 2022, 120, .	0.8	19
2	Approximate Solutions, Thermal Properties, and Superstatistics Solutions to SchrÃ¶dinger Equation. <i>Advances in High Energy Physics</i> , 2022, 2022, 1-18.	0.5	3
3	Energies of some halogen molecules for the improved Tietz potential model. <i>Molecular Physics</i> , 2022, 120, .	0.8	3
4	Thermal Properties and Magnetic Susceptibility of Hellmann Potential in Aharonovâ€™Bohm (AB) Flux and Magnetic Fields at Zero and Finite Temperatures. <i>Journal of Low Temperature Physics</i> , 2021, 202, 83-105.	0.6	31
5	Fisher information of a vector potential for timeâ€dependent Feinbergâ€™Horodecki equation. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26543.	1.0	1
6	Energy Spectrum and the properties of the SchiÃ¶berg potential using the WKB approximation approach. <i>Molecular Physics</i> , 2021, 119, e1818860.	0.8	10
7	Bound-state solutions and thermal properties of the modified Tietzâ€™Hua potential. <i>Scientific Reports</i> , 2021, 11, 2129.	1.6	15
8	Reply to the comment on â€Fisher information of a vector potential for timeâ€dependent <sc>Feinbergâ€™Horodeckiâ€™</sc>. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26629.	1.0	0
9	Effect of momentum-dependent parameter on energy eigenvalues and Fisher information. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	1
10	Solutions of the SchrÃ¶dinger equation and thermodynamic properties of a combined potential. <i>Heliyon</i> , 2021, 7, e06425.	1.4	2
11	Sustainability of Molecular Studies for Feinberg-Horodecki Equation under Eckart-Manning-Rosen Potential. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1107, 012136.	0.3	0
12	Bound state solutions, Fisher information measures, expectation values, and transmission coefficient of the Varshni potential. <i>Molecular Physics</i> , 2021, 119, e1909163.	0.8	15
13	Approximate non-relativistic s-wave energy spectra with non-polynomial potentials within the framework of the WKB approximation. <i>Quantum Studies: Mathematics and Foundations</i> , 2021, 8, 261.	0.4	2
14	Dielectric effect on the optical properties of exciton quantum dot with Gaussian plus generalized Hulthen potential as Pseudo-Harmonic potential. <i>European Physical Journal D</i> , 2021, 75, 1.	0.6	3
15	Bound and scattering states solutions of the Kleinâ€™Gordon equation with the attractive radial potential in higher dimensions. <i>Modern Physics Letters A</i> , 2021, 36, .	0.5	4
16	Molecular energies of a modified and deformed exponential-type potential model. <i>Chemical Physics Impact</i> , 2021, 3, 100045.	1.7	2
17	Vibrational energies of some diatomic molecules for a modified and deformed potential. <i>Scientific Reports</i> , 2021, 11, 22498.	1.6	6
18	Mass Spectrum of Mesons via the WKB Approximation Method. <i>Advances in High Energy Physics</i> , 2020, 2020, 1-8.	0.5	19

#	ARTICLE	IF	CITATIONS
19	Thermodynamic functions for boron nitride with q-deformed exponential-type potential. Results in Physics, 2020, 16, 102959.	2.0	19
20	Eigensolution techniques, expectation values and Fisher information of Wei potential function. Journal of Molecular Modeling, 2020, 26, 311.	0.8	4
21	Analytical determination of theoretic quantities for multiple potential. Scientific Reports, 2020, 10, 17542.	1.6	11
22	Energies Spectra and Thermodynamic Properties of Hyperbolic Pöschl-Teller Potential (HPTP) Model. International Journal of Thermophysics, 2020, 41, 1.	1.0	21
23	Vibrational Entropy and Complexity Measures in Modified Pöschl-Teller Plus Woods-Saxon potential. Few-Body Systems, 2020, 61, 1.	0.7	3
24	Fisher information and uncertainty relations for potential family. International Journal of Quantum Chemistry, 2019, 119, e25991.	1.0	11
25	q-Deformed superstatistic thermodynamics in the presence of minimal length quantum mechanics. Canadian Journal of Physics, 2019, 97, 1161-1166.	0.4	9
26	Two-Body Spinless-Salpeter equation of unequal masses interacting with Coulomb-Hulthén potential. Journal of Physics: Conference Series, 2019, 1378, 032099.	0.3	0
27	Thermodynamics properties of diatomic molecules with general molecular potential. Pramana - Journal of Physics, 2018, 90, 1.	0.9	73
28	Eigensolutions, Shannon entropy and information energy for modified Tietz-Hua potential. Indian Journal of Physics, 2018, 92, 487-493.	0.9	24
29	Thermodynamic Properties of the Modified Yukawa Potential. Journal of the Korean Physical Society, 2018, 73, 1211-1218.	0.3	43
30	Solutions of the Dirac and Schrödinger equations with shifted Tietz-Wei potential. European Physical Journal Plus, 2018, 133, 1.	1.2	34
31	Scattering and Bound States of the Dirac Particle for q-Parameter Hyperbolic Pöschl-Teller Potential. Communications in Theoretical Physics, 2018, 70, 541.	1.1	3
32	Bound state solutions of Schrödinger equation with modified Mobius square potential (MMSP) and its thermodynamic properties. Journal of Molecular Modeling, 2018, 24, 289.	0.8	47
33	Dirac Equation with a New Tensor Interaction under Spin and Pseudospin Symmetries. Communications in Theoretical Physics, 2018, 70, 294.	1.1	3
34	Relativistic Treatment of Spin-zero Particles Subjected to the Shifted Tietz-Wei Potential Model. Journal of the Korean Physical Society, 2018, 73, 531-537.	0.3	2
35	Effect of dissociation energy on Shannon and Rényi entropies. Karbala International Journal of Modern Science, 2018, 4, 134-142.	0.5	25
36	Bound state solutions of D-dimensional Klein-Gordon equation with hyperbolic potential. Karbala International Journal of Modern Science, 2017, 3, 1-7.	0.5	14

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37	Electronic states in core/shell GaN/YxGa1-x quantum well (QW) with the modified Pöschl-Teller plus Woods-Saxon potential in the presence of electric field. International Journal of Modern Physics B, 2017, 31, 1750119.	1.0	7
38	Eigen solutions, Shannon entropy and fisher information under the Eckart Manning Rosen potential model. Journal of the Korean Physical Society, 2017, 70, 339-347.	0.3	20
39	Any $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{a}, \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{a}^\dagger \langle \text{mml:mo} \rangle \langle \text{mml:math} \rangle$ states solutions of the Schrödinger equation interacting with Hellmann-generalized Morse potential model. Karbala International Journal of Modern Science, 2017, 3, 59-68.	0.5	22
40	Eigen solutions and entropic system for Hellmann potential in the presence of the Schrödinger equation. European Physical Journal Plus, 2017, 132, 1.	1.2	31
41	Approximate bound-states solution of the Dirac equation with some thermodynamic properties for the deformed Hylleraas plus deformed Woods-Saxon potential. European Physical Journal Plus, 2017, 132, 1.	1.2	17
42	Linear and nonlinear optical properties in spherical quantum dots: Manning-Rosen potential. Journal of Optics (India), 2017, 46, 254-264.	0.8	31
43	Solutions of Dirac equation for a new improved pseudo-Coulomb ring-shaped potential. Karbala International Journal of Modern Science, 2016, 2, 280-288.	0.5	1
44	Linear and Nonlinear Optical Properties in Spherical Quantum Dots: Generalized Hulthén Potential. Few-Body Systems, 2016, 57, 793-805.	0.7	46
45	Analytical solutions of the Dirac equation under Hellmann-Frost-Musulin potential. Annals of Physics, 2016, 375, 239-250.	1.0	29
46	Analytical solutions of the Klein-Gordon equation with a combined potential. Chinese Journal of Physics, 2016, 54, 820-829.	2.0	25
47	Scattering and Bound States of Klein-Gordon Particle with Hylleraas Potential Within Effective Mass Formalism. Few-Body Systems, 2016, 57, 823-831.	0.7	17
48	Solutions of the Schrödinger equation for pseudo-Coulomb potential plus a new improved ring-shaped potential in the cosmic string space-time. Canadian Journal of Physics, 2016, 94, 517-521.	0.4	15
49	Scattering State of Klein-Gordon Particles by q-Parameter Hyperbolic Poschl-Teller Potential. Advances in High Energy Physics, 2015, 2015, 1-7.	0.5	17
50	Scattering states of Cusp potential in minimal length Dirac equation. Indian Journal of Physics, 2015, 89, 1221-1226.	0.9	11
51	Bound and scattering states of the Klein-Gordon equation for shifted Tietz-Wei potential with applications to diatomic molecules. Molecular Physics, 0, , e1922773.	0.8	2
52	Entropic system in the relativistic Klein-Gordon Particle. Journal of the Nigerian Society of Physical Sciences, 0, , .	0.0	2
53	The unified treatment of the non-relativistic bound state solutions, thermodynamic properties, and expectation values of exponential-type potentials. Canadian Journal of Physics, 0, , 1-12.	0.4	10
54	Approximate Solutions of the Schrodinger Equation for a Momentum-Dependent potential. Journal of the Nigerian Society of Physical Sciences, 0, , 242-250.	0.0	1