

# Michael C Onyeaju

## List of Publications by Year in descending order

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54  
papers

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citations

516215

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580395

25  
g-index

54  
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54  
docs citations

54  
times ranked

172  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamics properties of diatomic molecules with general molecular potential. <i>Pramana - Journal of Physics</i> , 2018, 90, 1.	0.9	73
2	Bound state solutions of Schrödinger equation with modified Mobius square potential (MMSP) and its thermodynamic properties. <i>Journal of Molecular Modeling</i> , 2018, 24, 289.	0.8	47
3	Linear and Nonlinear Optical Properties in Spherical Quantum Dots: Generalized Hulthén Potential. <i>Few-Body Systems</i> , 2016, 57, 793-805.	0.7	46
4	Thermodynamic Properties of the Modified Yukawa Potential. <i>Journal of the Korean Physical Society</i> , 2018, 73, 1211-1218.	0.3	43
5	Solutions of the Dirac and Schrödinger equations with shifted Tietz-Wei potential. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	34
6	Eigen solutions and entropic system for Hellmann potential in the presence of the Schrödinger equation. <i>European Physical Journal Plus</i> , 2017, 132, 1.	1.2	31
7	Linear and nonlinear optical properties in spherical quantum dots: Manning-Rosen potential. <i>Journal of Optics (India)</i> , 2017, 46, 254-264.	0.8	31
8	Thermal Properties and Magnetic Susceptibility of Hellmann Potential in Aharonov-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
9	Analytical solutions of the Dirac equation under Hellmann-Frost-Musulin potential. <i>Annals of Physics</i> , 2016, 375, 239-250.	1.0	29
10	Analytical solutions of the Klein-Gordon equation with a combined potential. <i>Chinese Journal of Physics</i> , 2016, 54, 820-829.	2.0	25
11	Effect of dissociation energy on Shannon and Rényi entropies. <i>Karbala International Journal of Modern Science</i> , 2018, 4, 134-142.	0.5	25
12	Eigen solutions, Shannon entropy and information energy for modified Tietz-Hua potential. <i>Indian Journal of Physics</i> , 2018, 92, 487-493.	0.9	24
13	Any overflow="scroll"><mml:mrow><mml:mi>â</mml:mi>,"</mml:mi><mml:mo>â</mml:mo></mml:mrow></mml:math> states solutions of the Schrödinger equation interacting with Hellmann-generalized Morse potential model. <i>Karbala International Journal of Modern Science</i> , 2017, 3, 59-68.	0.5	22
14	Energies Spectra and Thermodynamic Properties of Hyperbolic Pöschl-Teller Potential (HPTP) Model. <i>International Journal of Thermophysics</i> , 2020, 41, 1.	1.0	21
15	Eigen solutions, Shannon entropy and fisher information under the Eckart Manning Rosen potential model. <i>Journal of the Korean Physical Society</i> , 2017, 70, 339-347.	0.3	20
16	Mass Spectrum of Mesons via the WKB Approximation Method. <i>Advances in High Energy Physics</i> , 2020, 2020, 1-8.	0.5	19
17	Thermodynamic functions for boron nitride with q-deformed exponential-type potential. <i>Results in Physics</i> , 2020, 16, 102959.	2.0	19
18	Aharonov-Bohm (AB) flux and thermomagnetic properties of Hellmann plus screened Kratzer potential as applied to diatomic molecules using Nikiforov-Uvarov-Functional-Analysis (NUFA) method. <i>Molecular Physics</i> , 2022, 120, .	0.8	19

#	ARTICLE	IF	CITATIONS
19	Scattering State of Klein-Gordon Particles by q-Parameter Hyperbolic Poschl-Teller Potential. <i>Advances in High Energy Physics</i> , 2015, 2015, 1-7.	0.5	17
20	Scattering and Bound States of Klein-Gordon Particle with Hylleraas Potential Within Effective Mass Formalism. <i>Few-Body Systems</i> , 2016, 57, 823-831.	0.7	17
21	Approximate bound-states solution of the Dirac equation with some thermodynamic properties for the deformed Hylleraas plus deformed Woods-Saxon potential. <i>European Physical Journal Plus</i> , 2017, 132, 1.	1.2	17
22	Solutions of the Schrödinger equation for pseudo-Coulomb potential plus a new improved ring-shaped potential in the cosmic string space-time. <i>Canadian Journal of Physics</i> , 2016, 94, 517-521.	0.4	15
23	Bound-state solutions and thermal properties of the modified Tietz-Hua potential. <i>Scientific Reports</i> , 2021, 11, 2129.	1.6	15
24	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
25	Bound state solutions of D-dimensional Klein-Gordon equation with hyperbolic potential. <i>Karbala International Journal of Modern Science</i> , 2017, 3, 1-7.	0.5	14
26	Scattering states of Cusp potential in minimal length Dirac equation. <i>Indian Journal of Physics</i> , 2015, 89, 1221-1226.	0.9	11
27	Fisher information and uncertainty relations for potential family. <i>International Journal of Quantum Chemistry</i> , 2019, 119, e25991.	1.0	11
28	Analytical determination of theoretic quantities for multiple potential. <i>Scientific Reports</i> , 2020, 10, 17542.	1.6	11
29	Energy Spectrum and the properties of the Schiöberg potential using the WKB approximation approach. <i>Molecular Physics</i> , 2021, 119, e1818860.	0.8	10
30	The unified treatment of the non-relativistic bound state solutions, thermodynamic properties, and expectation values of exponential-type potentials. <i>Canadian Journal of Physics</i> , 0, , 1-12.	0.4	10
31	q-Deformed superstatistic thermodynamics in the presence of minimal length quantum mechanics. <i>Canadian Journal of Physics</i> , 2019, 97, 1161-1166.	0.4	9
32	Electronic states in core/shell GaN/YxGa1-xN quantum well (QW) with the modified Pöschl-Teller plus Woods-Saxon potential in the presence of electric field. <i>International Journal of Modern Physics B</i> , 2017, 31, 1750119.	1.0	7
33	Vibrational energies of some diatomic molecules for a modified and deformed potential. <i>Scientific Reports</i> , 2021, 11, 22498.	1.6	6
34	Eigensolution techniques, expectation values and Fisher information of Wei potential function. <i>Journal of Molecular Modeling</i> , 2020, 26, 311.	0.8	4
35	Bound and scattering states solutions of the Klein-Gordon equation with the attractive radial potential in higher dimensions. <i>Modern Physics Letters A</i> , 2021, 36, .	0.5	4
36	Scattering and Bound States of the Dirac Particle for q-Parameter Hyperbolic Pöschl-Teller Potential. <i>Communications in Theoretical Physics</i> , 2018, 70, 541.	1.1	3

#	ARTICLE	IF	CITATIONS
37	Dirac Equation with a New Tensor Interaction under Spin and Pseudospin Symmetries. Communications in Theoretical Physics, 2018, 70, 294.	1.1	3
38	Vibrational Entropy and Complexity Measures in Modified Pöschl-Teller Plus Woods-Saxon potential. Few-Body Systems, 2020, 61, 1.	0.7	3
39	Dielectric effect on the optical properties of exciton quantum dot with Gaussian plus generalized Hulthen potential as Pseudo-Harmonic potential. European Physical Journal D, 2021, 75, 1.	0.6	3
40	Approximate Solutions, Thermal Properties, and Superstatistics Solutions to Schrödinger Equation. Advances in High Energy Physics, 2022, 2022, 1-18.	0.5	3
41	Energies of some halogen molecules for the improved Tietz potential model. Molecular Physics, 2022, 120, .	0.8	3
42	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
43	Solutions of the Schrödinger equation and thermodynamic properties of a combined potential. Heliyon, 2021, 7, e06425.	1.4	2
44	Approximate non-relativistic s-wave energy spectra with non-polynomial potentials within the framework of the WKB approximation. Quantum Studies: Mathematics and Foundations, 2021, 8, 261.	0.4	2
45	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
46	Entropic system in the relativistic Klein-Gordon Particle. Journal of the Nigerian Society of Physical Sciences, 0, , .	0.0	2
47	Molecular energies of a modified and deformed exponential-type potential model. Chemical Physics Impact, 2021, 3, 100045.	1.7	2
48	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
49	Fisher information of a vector potential for time-dependent Feinberg-Horodecki equation. International Journal of Quantum Chemistry, 2021, 121, e26543.	1.0	1
50	Effect of momentum-dependent parameter on energy eigenvalues and Fisher information. European Physical Journal Plus, 2021, 136, 1.	1.2	1
51	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
52	Two-Body Spinless-Salpeter equation of unequal masses interacting with Coulomb-Hulthén potential. Journal of Physics: Conference Series, 2019, 1378, 032099.	0.3	0
53	Reply to the comment on "Fisher information of a vector potential for time-dependent Feinberg-Horodecki equation". International Journal of Quantum Chemistry, 2021, 121, e26629.	1.0	0
54	Sustainability of Molecular Studies for Feinberg-Horodecki Equation under Eckart-Manning-Rosen Potential. IOP Conference Series: Materials Science and Engineering, 2021, 1107, 012136.	0.3	0