

# Ibukun Oyelakin

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

361  
citations

1040056

9  
h-index

839539

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

270  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unsteady Casson nanofluid flow over a stretching sheet with thermal radiation, convective and slip boundary conditions. AEJ - Alexandria Engineering Journal, 2016, 55, 1025-1035.	6.4	169
2	Nonlinear Radiation in Bioconvective Casson Nanofluid Flow. International Journal of Applied and Computational Mathematics, 2019, 5, 1.	1.6	24
3	Entropy generation optimisation for unsteady stagnation Casson nanofluid flow over a stretching sheet with binary chemical reaction and Arrhenius activation energy using the bivariate spectral quasi-linearisation method. International Journal of Ambient Energy, 2022, 43, 6489-6501.	2.5	22
4	Bioconvection in Casson nanofluid flow with Gyrotactic microorganisms and variable surface heat flux. International Journal of Biomathematics, 2019, 12, 1950041.	2.9	21
5	Thermophysical analysis of three-dimensional magnetohydrodynamic flow of a tangent hyperbolic nanofluid. Engineering Reports, 2020, 2, e12144.	1.7	19
6	Impact of the Cattaneo-Christov thermal and solutal diffusion models on the stagnation point slip flow of Walters' B nanofluid past an electromagnetic sheet. Heat Transfer - Asian Research, 2019, 48, 713-726.	2.8	17
7	Analysis of double-diffusion convection on three-dimensional MHD stagnation point flow of a tangent hyperbolic Casson nanofluid. International Journal of Ambient Energy, 2022, 43, 1854-1865.	2.5	14
8	Unsteady Mixed Convection in Nanofluid Flow Through a Porous Medium with Thermal Radiation Using the Bivariate Spectral Quasilinearization Method. Journal of Nanofluids, 2017, 6, 273-281.	2.7	12
9	Cattaneo-Christov Nanofluid Flow and Heat Transfer with Variable Properties Over a Vertical Cone in a Porous Medium. International Journal of Applied and Computational Mathematics, 2017, 3, 1019-1034.	1.6	11
10	A Multi-Domain Bivariate Approach for Mixed Convection in a Casson Nanofluid with Heat Generation. Walailak Journal of Science and Technology, 2019, 16, 681-699.	0.5	11
11	Three-Dimensional Rotating Flow of an Oldroyd-B Nanofluid with Relaxation-Retardation Viscous Dissipation. Journal of Nanofluids, 2021, 10, 408-419.	2.7	10
12	A multi-domain spectral method for non-Darcian mixed convection flow in a power-law fluid with viscous dissipation. Physics and Chemistry of Liquids, 2018, 56, 771-789.	1.2	9
13	Analysis of exponentially varying viscosity and thermal conductivity on a tangent hyperbolic fluid. SeMA Journal, 2020, 77, 257-273.	2.0	9
14	Impact of Joule heating and nonlinear thermal radiation on the flow of Casson nanofluid with entropy generation. International Journal of Ambient Energy, 2022, 43, 5687-5710.	2.5	4
15	Homogeneous-heterogeneous reactions in flow past a horizontal circular cylinder with an induced magnetic field and nonlinear thermal radiation. Heat Transfer, 2020, 49, 1065-1092.	3.0	2
16	On a new block method for an MHD nanofluid flow with an exponentially decaying internal heat generation. International Journal for Numerical Methods in Fluids, 2021, 93, 1816-1824.	1.6	2
17	Numerical and machine learning analyses of entropy generation in an unsteady squeezing flow of copper/aluminum oxide/water hybrid nanofluid. Heat Transfer, 2021, 50, 3822-3841.	3.0	2
18	A Multi-Domain Spectral Collocation Approach for Solving Lane-Emden Type Equations. , 0, , .		1

#	ARTICLE	IF	CITATIONS
19	A numerical study of entropy generation in radiative Casson nanofluid flow. Engineering Reports, 2020, 2, e12257.	1.7	1
20	Numerical study of a nonlinear density relation and binary reaction on nanofluid flow over a heated vertical surface with sinusoidal wall temperature. AICHE Journal, 0, , e17421.	3.6	1