George A Oguntala

List of Publications by Year
in descending order

32 papers	579 citations	12 h-index	23 g-index
34 all docs	34 docs citations	34 times ranked	557 citing authors

#	Article	IF	Citations
1	Nonlinear thermal analysis of a convective-radiative longitudinal porous fin of functionally graded material for efficient cooling of consumer electronics. International Journal of Ambient Energy, 2022, 43, 385-399.	2.5	8
2	Numerical investigation of skin and subcutaneous tissue thermal injury during elevated heating. Fire and Materials, 2022, 46, 513-528.	2.0	0
3	Triple-layer Tissue Prediction for Cutaneous Skin Burn Injury: Analytical Solution and Parametric Analysis. International Journal of Heat and Mass Transfer, 2021, 173, 120907.	4.8	5
4	Passive RFID Module With LSTM Recurrent Neural Network Activity Classification Algorithm for Ambient-Assisted Living. IEEE Internet of Things Journal, 2021, 8, 10953-10962.	8.7	23
5	A new hybrid approach for transient heat transfer analysis of convective-radiative fin of functionally graded material under Lorentz force. Thermal Science and Engineering Progress, 2020, 16, 100467.	2.7	4
6	Effects of particle fouling and magnetic field on porous fin for improved cooling of consumer electronics. Heat Transfer, 2020, 49, 779-799.	3.0	1
7	Transient analysis of functionally graded material fin under the effect of Lorentz force using the integral transform method for improved electronic packaging. Heat Transfer, 2020, 49, 2627-2644.	3.0	4
8	Determination of Proper Fin Length of a Convective-Radiative Moving Fin of Functionally Graded Material Subjected to Lorentz Force. Defect and Diffusion Forum, 2020, 401, 14-24.	0.4	0
9	RFID RSS Fingerprinting System for Wearable Human Activity Recognition. Future Internet, 2020, 12, 33.	3.8	10
10	Adversarial Attacks on AI based Intrusion Detection System for Heterogeneous Wireless Communications Networks. , 2020, , .		6
11	Nonlinear Transient Thermal Modeling and Analysis of a Convective-Radiative Fin with Functionally Graded Material in a Magnetic Environment. Modelling and Simulation in Engineering, 2019, 2019, 1-16.	0.7	5
12	Transient thermal analysis and optimization of convective-radiative porous fin under the influence of magnetic field for efficient microprocessor cooling. International Journal of Thermal Sciences, 2019, 145, 106019.	4.9	20
13	SmartWall: Novel RFID-Enabled Ambient Human Activity Recognition Using Machine Learning for Unobtrusive Health Monitoring. IEEE Access, 2019, 7, 68022-68033.	4.2	62
14	Thermal Prediction of Convective-Radiative Porous Fin Heatsink of Functionally Graded Material Using Adomian Decomposition Method. Computation, 2019, 7, 19.	2.0	10
15	Numerical Study of Performance of Porous Fin Heat Sink of Functionally Graded Material for Improved Thermal Management of Consumer Electronics. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 1271-1283.	2.5	14
16	Numerical analysis of transient response of convective-radiative cooling fin with convective tip under magnetic field for reliable thermal management of electronic systems. Thermal Science and Engineering Progress, 2019, 9, 289-298.	2.7	11
17	Efficient Iterative Method for Investigation of Convective–Radiative Porous Fin with Internal Heat Generation Under a Uniform Magnetic Field. International Journal of Applied and Computational Mathematics, 2019, 5, 1.	1.6	17
18	Investigation of Simultaneous Effects of Surface Roughness, Porosity, and Magnetic Field of Rough Porous Microfin Under a Convective–Radiative Heat Transfer for Improved Microprocessor Cooling of Consumer Electronics. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 235-246.	2.5	10

#	Article	IF	Citations
19	Numerical Investigation of Inclination on the Thermal Performance of Porous Fin Heatsink using Pseudospectral Collocation Method. Karbala International Journal of Modern Science, 2019, 5, .	1.0	8
20	On the effect of magnetic field on thermal performance of convective-radiative fin with temperature-dependent thermal conductivity. Karbala International Journal of Modern Science, 2018, 4, 1-11.	1.0	19
21	Effects of particles deposition on thermal performance of a convective-radiative heat sink porous fin of an electronic component. Thermal Science and Engineering Progress, 2018, 6, 177-185.	2.7	25
22	Dual-Band Planar Inverted F-L Antenna Structure for Bluetooth and ZigBee Applications. , 2018, , 39-52.		0
23	Application of Approximate Analytical Technique Using the Homotopy Perturbation Method to Study the Inclination Effect on the Thermal Behavior of Porous Fin Heat Sink. Mathematical and Computational Applications, 2018, 23, 62.	1.3	6
24	Indoor location identification technologies for real-time IoT-based applications: An inclusive survey. Computer Science Review, 2018, 30, 55-79.	15.3	90
25	Improved thermal management of computer microprocessors using cylindrical-coordinate micro-fin heat sink with artificial surface roughness. Engineering Science and Technology, an International Journal, 2018, 21, 736-744.	3.2	16
26	Performance of convective-radiative porous fin heat sink under the influence of particle deposition and adhesion for thermal enhancement of electronic components. Karbala International Journal of Modern Science, 2018, 4, 297-312.	1.0	12
27	Inverted E-Shaped Wearable Textile Antenna for Medical Applications. IEEE Access, 2018, 6, 35214-35222.	4.2	64
28	Microwave Imaging Using Arrays of Vivaldi Antenna for Breast Cancer Applications. International Journal of Microwaves Applications, 2018, 7, 32-38.	0.3	1
29	Design of frequency reconfigurable multiband compact antenna using two PIN diodes for WLAN/WiMAX applications. IET Microwaves, Antennas and Propagation, 2017, 11, 1098-1105.	1.4	102
30	Unobtrusive mobile approach to patient location and orientation recognition for elderly care homes. , 2017, , .		4
31	Design framework for unobtrusive patient location recognition using passive RFID and particle filtering. , 2017, , .		9
32	Current technologies and location based services. , 2017, , .		8