

Rahul Kumar

List of Publications by Year in descending order

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34
papers

358
citations

1163117

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888059

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docs citations

34
times ranked

252
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative structural analysis of CNC milling machine bed using Al-SiC/graphite, Al alloy and Al-SiC composite material. <i>Materials Today: Proceedings</i> , 2022, 51, 735-741.	1.8	4
2	Performance evaluation of cerium oxide/water nanofluid based FPSC: An experimental analysis. <i>Materials Today: Proceedings</i> , 2022, 56, 1659-1667.	1.8	3
3	Computational investigation reveals that the mutant strains of SARS-CoV2 have differential structural and binding properties. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 215, 106594.	4.7	5
4	Thermal performance and behavior analysis of SiO ₂ , Al ₂ O ₃ and MgO based nano-enhanced phase-changing materials, latent heat thermal energy storage system. <i>Journal of Energy Storage</i> , 2022, 48, 103977.	8.1	39
5	Performance estimation of Triangular Solar air heater roughened absorber surface: An experimental and simulation modeling. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102208.	2.7	11
6	Application of phase change material in thermal energy storage systems. <i>Materials Today: Proceedings</i> , 2022, 63, 798-804.	1.8	4
7	High-Speed Interconnects: History, Evolution, and the Road Ahead. <i>IEEE Microwave Magazine</i> , 2022, 23, 66-82.	0.8	8
8	Deciphering the impact of missense mutations on structure and dynamics of SMAD4 protein involved in pathogenesis of gall bladder cancer. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 1940-1954.	3.5	6
9	Past, present and future of blood pressure measuring instruments and their calibration. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 172, 108845.	5.0	26
10	Population structure and regeneration status of <i>Shorea robusta</i> and associated trees in Sal forests of Ranchi, Eastern India. <i>Tropical Ecology</i> , 2021, 62, 34-51.	1.2	7
11	Experimental investigation of nanomaterial doped in black paint coating on absorber for energy conversion applications. <i>Materials Today: Proceedings</i> , 2021, 44, 961-967.	1.8	8
12	Post covid 19 pulmonary fibrosis. Is it real threat?. <i>Indian Journal of Tuberculosis</i> , 2021, 68, 330-333.	0.7	96
13	Design, Modeling and Analysis of Cu-Carbon Hybrid Interconnects. <i>IEEE Access</i> , 2021, 9, 113577-113584.	4.2	7
14	Structural based screening of potential inhibitors of SMAD4: a step towards personalized medicine for gall bladder and other associated cancers. <i>Molecular Diversity</i> , 2021, 25, 1945-1961.	3.9	1
15	In silico drug designing for COVID-19: an approach of high-throughput virtual screening, molecular, and essential dynamics simulations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, , 1-15.	3.5	1
16	Review based on the absorber plate coating for solar air heater applications. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1116, 012053.	0.6	5
17	Numerical investigation of performance analysis of Triangular Solar air heater using Computational Fluid Dynamics (CFD). <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1116, 012047.	0.6	8
18	A High Step-Up Switched Z-Source Converter (HS-SZC) with Minimal Components Count for Enhancing Voltage Gain. <i>Electronics (Switzerland)</i> , 2021, 10, 924.	3.1	1

#	ARTICLE	IF	CITATIONS
19	Design and Development of a Temperature-Compensated Body Mass Index Measuring System. Mapan - Journal of Metrology Society of India, 2021, 36, 287-294.	1.5	3
20	CuO Nanoparticle Enhanced Paraffin for Latent Heat Storage Applications. IOP Conference Series: Materials Science and Engineering, 2021, 1116, 012061.	0.6	9
21	Pump performance improvement using DMAIC method for industrial application. IOP Conference Series: Materials Science and Engineering, 2021, 1116, 012087.	0.6	1
22	Performance Analysis of Self Heated Multilayer Vertical Graphene Nanoribbon Interconnects. , 2021, , .		0
23	Thermal modelling and characteristic evaluation of electric vehicle battery system. Case Studies in Thermal Engineering, 2021, 26, 101058.	5.7	16
24	Structural and conformational changes induced by missense variants in the zinc finger domains of GATA3 involved in breast cancer. RSC Advances, 2020, 10, 39640-39653.	3.6	8
25	Estimating Per-Unit-Length Resistance Parameter in Emerging Copper-Graphene Hybrid Interconnects via Prior Knowledge based Accelerated Neural Networks. , 2020, , .		2
26	Development of transcriptome-wide SSR markers for genetic diversity and structure analysis in Macrotyloma uniflorum (Lam.)ÁVerdc.. Physiology and Molecular Biology of Plants, 2020, 26, 2255-2266.	3.1	7
27	Role of Grain Size on the Effective Resistivity of Cu-Graphene Hybrid Interconnects. , 2020, , .		4
28	Temperature-Aware Compact Modeling for Resistivity in Ultra-Scaled Cu-Graphene Hybrid Interconnects. , 2020, , .		1
29	Performance enhancement analysis of triangular solar air heater coated with nanomaterial embedded in black paint. Materials Today: Proceedings, 2020, 26, 2528-2532.	1.8	26
30	A Temperature and Dielectric Roughness-Aware Matrix Rational Approximation Model for the Reliability Assessment of Copperá€“ Graphene Hybrid On-Chip Interconnects. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 1454-1465.	2.5	7
31	Development of Remote Wireless Environmental Conditions Measurement, Monitoring and Recording Device for Metrological and Other Scientific Applications. Mapan - Journal of Metrology Society of India, 2020, 35, 193-199.	1.5	15
32	Comparison of Monte Carlo Simulation, Least Square Fitting and Calibration Factor Methods for the Evaluation of Measurement Uncertainty Using Direct Pressure Indicating Devices. Mapan - Journal of Metrology Society of India, 2019, 34, 305-315.	1.5	14
33	Temperature-Aware Closed-Form Matrix Rational Approximation Model for Crosstalk Analysis of Multi-Walled Carbon Nanotube Interconnects. , 2019, , .		1
34	Analytical Model for Inverter Design Using Floating Gate Graphene Field Effect Transistors. , 2014, , .		4