

Omid Malekahmadi

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

374
citations

933447

10
h-index

1281871

11
g-index

14
all docs

14
docs citations

14
times ranked

300
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel comprehensive experimental study concerned graphene oxide nanoparticles dispersed in water: Synthesis, characterisation, thermal conductivity measurement and present a new approach of RLSF neural network. <i>International Communications in Heat and Mass Transfer</i> , 2019, 109, 104333.	5.6	64
2	Thermal Conductivity Enhancement via Synthesis Produces a New Hybrid Mixture Composed of Copper Oxide and Multi-walled Carbon Nanotube Dispersed in Water: Experimental Characterization and Artificial Neural Network Modeling. <i>International Journal of Thermophysics</i> , 2020, 41, 1.	2.1	44
3	Thermal and hydrodynamic properties of coronavirus at various temperature and pressure via molecular dynamics approach. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2841-2850.	3.6	39
4	A Novel Correlation to Calculate Thermal Conductivity of Aqueous Hybrid Graphene Oxide/Silicon Dioxide Nanofluid: Synthesis, Characterizations, Preparation, and Artificial Neural Network Modeling. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 9747-9758.	3.0	30
5	Increase thermal conductivity of aqueous mixture by additives graphene nanoparticles in water via an experimental/numerical study: Synthesis, characterization, conductivity measurement, and neural network modeling. <i>International Communications in Heat and Mass Transfer</i> , 2020, 118, 104864.	5.6	30
6	Synthesis and characterization of additive graphene oxide nanoparticles dispersed in water: Experimental and theoretical viscosity prediction of non-Newtonian nanofluid. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	2.3	28
7	Thermal conductivity enhancement of nanofluid by adding multiwalled carbon nanotubes: Characterization and numerical modeling patterns. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	2.3	26
8	Synthesis of new dihybrid nanofluid of TiO ₂ /MWCNT in water-ethylene glycol to improve mixture thermal performance: preparation, characterization, and a novel correlation via ANN based on orthogonal distance regression algorithm. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 144, 2587.	3.6	23
9	Discrete ordinates thermal radiation with mixed convection to involve nanoparticles absorption, scattering and dispersion along radiation beams through the nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2801-2824.	3.6	20
10	Performance of joined artificial neural network and genetic algorithm to study the effect of temperature and mass fraction of nanoparticles dispersed in ethanol. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	2.3	19
11	Effect of carbon nanotubes on the thermal conductivity enhancement of synthesized hydroxyapatite filled with water for dental applications: experimental characterization and numerical study. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 2109-2126.	3.6	17
12	Liquid Paraffin Thermal Conductivity with Additives Tungsten Trioxide Nanoparticles: Synthesis and Propose a New Composed Approach of Fuzzy Logic/Artificial Neural Network. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 2543-2552.	3.0	13
13	Fabrication and characterization of synthesized hydroxyapatite/ethanolamine for bone tissue engineering application. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 650, 129591.	4.7	13
14	Fabrication and characterization of nanocrystalline hydroxyapatite reinforced with silica-magnetite nanoparticles with proper thermal conductivity. <i>Materials Chemistry and Physics</i> , 2022, 289, 126439.	4.0	8