

Yacine Khetib

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Natural Convection and Entropy Generation of MgO/Water Nanofluids in the Enclosure under a Magnetic Field and Radiation Effects. <i>Processes</i> , 2021, 9, 1277.	1.3	32
2	Effects of Different Wall Shapes on Thermal-Hydraulic Characteristics of Different Channels Filled with Water Based Graphite-SiO ₂ Hybrid Nanofluid. <i>Processes</i> , 2021, 9, 1253.	1.3	30
3	Energy, exergy and economics study of a solar/thermal panel cooled by nanofluid. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101481.	2.8	24
4	The computational study of nanoparticles shape effects on thermal behavior of H ₂ O-Fe nanofluid: A molecular dynamics approach. <i>Journal of Molecular Liquids</i> , 2022, 346, 117093.	2.3	19
5	Heat transfer and pressure drop in turbulent nanofluid flow in a pin-fin heat sink: Fin and nanoparticles shape effects. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101378.	2.8	17
6	Improving thermal conductivity of a ferrofluid-based nanofluid using Fe ₃ O ₄ -challenging of RSM and ANN methodologies. <i>Chemical Engineering Communications</i> , 2022, 209, 1070-1081.	1.5	13
7	Effect of Straight, Inclined and Curved Fins on Natural Convection and Entropy Generation of a Nanofluid in a Square Cavity Influenced by a Magnetic Field. <i>Processes</i> , 2021, 9, 1339.	1.3	13
8	Introducing two scenarios to reduce building energy usage: PCM installation and integrating nanofluid solar collectors with DHW system. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 128, 327-337.	2.7	12
9	A Computational Fluid Dynamic Study on Efficiency of a Wavy Microchannel/Heat Sink Containing Various Nanoparticles. <i>Micromachines</i> , 2021, 12, 1192.	1.4	9
10	Simulation of a parabolic trough solar collector containing hybrid nanofluid and equipped with compound turbulator to evaluate exergy efficacy and thermal-hydraulic performance. <i>Energy Science and Engineering</i> , 2022, 10, 4304-4317.	1.9	8
11	Applying Artificial Neural Network and Response Surface Method to Forecast the Rheological Behavior of Hybrid Nano-Antifreeze Containing Graphene Oxide and Copper Oxide Nanomaterials. <i>Sustainability</i> , 2021, 13, 11505.	1.6	8
12	Group Contribution Concept for Computer-Aided Design of Working Fluids for Refrigeration Machines. <i>Chemical Engineering and Technology</i> , 2013, 36, 1924-1934.	0.9	7
13	Study on the Effect of Hole Size of Trombe Wall in the Presence of Phase Change Material for Different Times of a Day in Winter and Summer. <i>Processes</i> , 2021, 9, 1886.	1.3	5
14	The Influence of Forced Convective Heat Transfer on Hybrid Nanofluid Flow in a Heat Exchanger with Elliptical Corrugated Tubes: Numerical Analyses and Optimization. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2780.	1.3	5
15	Competition of ANN and RSM techniques in predicting the behavior of the CuO-liquid paraffin. <i>Chemical Engineering Communications</i> , 2023, 210, 880-892.	1.5	4
16	Application of Cylindrical Fin to Improve Heat Transfer Rate in Micro Heat Exchangers Containing Nanofluid under Magnetic Field. <i>Processes</i> , 2021, 9, 1278.	1.3	2
17	Sensitivity of pin-fin configuration to pin diameter: heat transfer enhancement. <i>Chemical Engineering Communications</i> , 2023, 210, 655-669.	1.5	2
18	Optimization of heat transfer in shell-and-tube heat exchangers using MOGA algorithm: adding nanofluid and changing the tube arrangement. <i>Chemical Engineering Communications</i> , 2023, 210, 893-907.	1.5	2

#	ARTICLE	IF	CITATIONS
19	Numerical Study of Natural Convection of Biological Nanofluid Flow Prepared from Tea Leaves under the Effect of Magnetic Field. <i>Processes</i> , 2021, 9, 1824.	1.3	2
20	Refrigerants design for an absorption refrigeration machine using group contribution methods. <i>Chemical Engineering Communications</i> , 0, , 1-19.	1.5	1
21	The effects of pin-fin shapes on heat sink effectiveness in the presence of a turbulent nanofluid regime. <i>Chemical Engineering Communications</i> , 0, , 1-16.	1.5	1
22	Focusing on summer setpoint temperature to intensify PCM effectiveness in building: energy saving in Jeddah climate. <i>Chemical Engineering Communications</i> , 2023, 210, 908-919.	1.5	1
23	Using neural network and RSM to evaluate improvement in thermal conductivity of nanodiamond-iron oxide/antifreeze. <i>Chemical Engineering Communications</i> , 0, , 1-11.	1.5	0
24	Correlations for Total Entropy Generation and Bejan Number for Free Convective Heat Transfer of an Eco-Friendly Nanofluid in a Rectangular Enclosure under Uniform Magnetic Field. <i>Processes</i> , 2021, 9, 1930.	1.3	0