# Yacine Khetib

## List of Publications by Year
## in descending order

| | | | |
|---|---|---|---|
| 24 papers | 217 citations | 1039406 9 h-index | 1058022 14 g-index |
| 24 all docs | 24 docs citations | 24 times ranked | 96 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Sensitivity of pin-fin configuration to pin diameter: heat transfer enhancement. Chemical Engineering Communications, 2023, 210, 655-669. | 1.5 | 2 |
| 2 | Competition of ANN and RSM techniques in predicting the behavior of the CuO-liquid paraffin. Chemical Engineering Communications, 2023, 210, 880-892. | 1.5 | 4 |
| 3 | Optimization of heat transfer in shell-and-tube heat exchangers using MOGA algorithm: adding nanofluid and changing the tube arrangement. Chemical Engineering Communications, 2023, 210, 893-907. | 1.5 | 2 |
| 4 | Focusing on summer setpoint temperature to intensify PCM effectiveness in building: energy saving in Jeddah climate. Chemical Engineering Communications, 2023, 210, 908-919. | 1.5 | 1 |
| 5 | Improving thermal conductivity of a ferrofluid-based nanofluid using $Fe_3O_4$-challenging of RSM and ANN methodologies. Chemical Engineering Communications, 2022, 209, 1070-1081. | 1.5 | 13 |
| 6 | The computational study of nanoparticles shape effects on thermal behavior of H2O-Fe nanofluid: A molecular dynamics approach. Journal of Molecular Liquids, 2022, 346, 117093. | 2.3 | 19 |
| 7 | Simulation of a parabolic trough solar collector containing hybrid nanofluid and equipped with compound turbulator to evaluate exergy efficacy and thermal–hydraulic performance. Energy Science and Engineering, 2022, 10, 4304-4317. | 1.9 | 8 |
| 8 | The Influence of Forced Convective Heat Transfer on Hybrid Nanofluid Flow in a Heat Exchanger with Elliptical Corrugated Tubes: Numerical Analyses and Optimization. Applied Sciences (Switzerland), 2022, 12, 2780. | 1.3 | 5 |
| 9 | Introducing two scenarios to reduce building energy usage: PCM installation and integrating nanofluid solar collectors with DHW system. Journal of the Taiwan Institute of Chemical Engineers, 2021, 128, 327-337. | 2.7 | 12 |
| 10 | Application of Cylindrical Fin to Improve Heat Transfer Rate in Micro Heat Exchangers Containing Nanofluid under Magnetic Field. Processes, 2021, 9, 1278. | 1.3 | 2 |
| 11 | Natural Convection and Entropy Generation of MgO/Water Nanofluids in the Enclosure under a Magnetic Field and Radiation Effects. Processes, 2021, 9, 1277. | 1.3 | 32 |
| 12 | Effects of Different Wall Shapes on Thermal-Hydraulic Characteristics of Different Channels Filled with Water Based Graphite-SiO2 Hybrid Nanofluid. Processes, 2021, 9, 1253. | 1.3 | 30 |
| 13 | 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. Processes, 2021, 9, 1339. | 1.3 | 13 |
| 14 | Heat transfer and pressure drop in turbulent nanofluid flow in a pin-fin heat sink: Fin and nanoparticles shape effects. Case Studies in Thermal Engineering, 2021, 28, 101378. | 2.8 | 17 |
| 15 | A Computational Fluid Dynamic Study on Efficiency of a Wavy Microchannel/Heat Sink Containing Various Nanoparticles. Micromachines, 2021, 12, 1192. | 1.4 | 9 |
| 16 | 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. Processes, 2021, 9, 1886. | 1.3 | 5 |
| 17 | Numerical Study of Natural Convection of Biological Nanofluid Flow Prepared from Tea Leaves under the Effect of Magnetic Field. Processes, 2021, 9, 1824. | 1.3 | 2 |
| 18 | Applying Artificial Neural Network and Response Surface Method to Forecast the Rheological Behavior of Hybrid Nano-Antifreeze Containing Graphene Oxide and Copper Oxide Nanomaterials. Sustainability, 2021, 13, 11505. | 1.6 | 8 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Energy, exergy and economics study of a solar/thermal panel cooled by nanofluid. Case Studies in Thermal Engineering, 2021, 28, 101481. | 2.8 | 24 |
| 20 | 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. Processes, 2021, 9, 1930. | 1.3 | 0 |
| 21 | Group Contribution Concept for Computer-Aided Design of Working Fluids for Refrigeration Machines. Chemical Engineering and Technology, 2013, 36, 1924-1934. | 0.9 | 7 |
| 22 | Refrigerants design for an absorption refrigeration machine using group contribution methods. Chemical Engineering Communications, 0, , 1-19. | 1.5 | 1 |
| 23 | Using neural network and RSM to evaluate improvement in thermal conductivity of nanodiamond-iron oxide/antifreeze. Chemical Engineering Communications, 0, , 1-11. | 1.5 | 0 |
| 24 | The effects of pin-fin shapes on heat sink effectiveness in the presence of a turbulent nanofluid regime. Chemical Engineering Communications, 0, , 1-16. | 1.5 | 1 |