# Ehsan Abedini

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7220449/publications.pdf

Version: 2024-02-01

| 21 | 437 | 840119 11 | 839053 18 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 21 | 21 | 21 | 393 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Evaluation of operational parameters for drying shrimps in a cabinet hybrid dryer. Solar Energy, 2022, 233, 221-229. | 2.9 | 10 |
| 2 | Numerical investigation of surface roughness effect on pool boiling heat transfer of Al<sub>2</sub>O<sub>3</sub>/water nanofluid. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 1535-1549. | 1.1 | 3 |
| 3 | Modeling transport phenomena in the shrimp drying process. Solar Energy, 2022, 241, 396-403. | 2.9 | 0 |
| 4 | Visualization of pool boiling and occurring critical heat flux on coiled wire. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2021, 235, 34-41. | 1.4 | 1 |
| 5 | Prediction of critical heat flux in flow boiling process under the effect of different operating parameters. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2021, 235, 895-903. | 0.8 | 1 |
| 6 | Numerical investigation of critical heat flux in subcooled flow boiling of nanofluids. Journal of Thermal Analysis and Calorimetry, 2020, 139, 2295-2308. | 2.0 | 8 |
| 7 | Numerical investigation of flow boiling of refrigerant-based nanofluids and proposing correlations for heat transfer. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2020, 234, 386-393. | 1.4 | 2 |
| 8 | Numerical investigation of the effect of bump and indent inside a vertical tube on the subcooled flow boiling and critical heat flux. Journal of Mechanical Engineering and Sciences, 2020, 14, 6690-6708. | 0.3 | 0 |
| 9 | Correlations for estimating critical heat flux (CHF) of nanofluid flow boiling. International Journal of Heat and Mass Transfer, 2019, 139, 69-76. | 2.5 | 13 |
| 10 | Study on parameters effective on the performance of a humidification-dehumidification seawater greenhouse using support vector regression. Desalination, 2018, 435, 235-245. | 4.0 | 35 |
| 11 | Experimental study of transition flow from single phase to two phase flow boiling in nanofluids. Journal of Molecular Liquids, 2017, 231, 11-19. | 2.3 | 26 |
| 12 | Computational fluid dynamics on the hydrodynamic characteristics of the conical cap tray. Korean Journal of Chemical Engineering, 2017, 34, 969-976. | 1.2 | 14 |
| 13 | Numerical investigation of vapor volume fraction in subcooled flow boiling of a nanofluid. Journal of Molecular Liquids, 2017, 238, 281-289. | 2.3 | 41 |
| 14 | Experimental investigation and simulation of flow boiling of nanofluids in different flow directions. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 87, 248-253. | 1.3 | 27 |
| 15 | Predicting the effects of magnesium oxide nanoparticles and temperature on the thermal conductivity of water using artificial neural network and experimental data. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 87, 242-247. | 1.3 | 100 |
| 16 | How the dispersion of magnesium oxide nanoparticles effects on the viscosity of water-ethylene glycol mixture: Experimental evaluation and correlation development. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 87, 273-280. | 1.3 | 37 |
| 17 | Experimental investigation of subcooled flow boiling of water/TiO2 nanofluid in a horizontal tube. Thermal Science, 2016, 20, 99-108. | 0.5 | 9 |
| 18 | Numerical investigation of subcooled flow boiling of a nanofluid. International Journal of Thermal Sciences, 2013, 64, 232-239. | 2.6 | 45 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Experimental investigation and comparison of subcooled flow boiling of TiO<sub>2</sub> nanofluid in a vertical and horizontal tube. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2013, 227, 1742-1753. | 1.1 | 27 |
| 20 | Periodic mixed convection of a nanofluid in a cavity with top lid sinusoidal motion. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2011, 225, 2149-2160. | 1.1 | 36 |
| 21 | Modeling of Fluid Flow and Heat Transfer in Laser Welding with a Moving Heat Source. Advanced Materials Research, 0, 622-623, 618-622. | 0.3 | 2 |