

Mohammad Hojjat

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17 papers	927 citations	10 h-index	18 g-index
18 ext. papers	1,042 ext. citations	3.7 avg, IF	4.65 L-index

#	Paper	IF	Citations
17	Heat transfer of nanofluids in a shell and tube heat exchanger. <i>International Journal of Heat and Mass Transfer</i> , 2010 , 53, 12-17	4.9	271
16	Rheological characteristics of non-Newtonian nanofluids: Experimental investigation. <i>International Communications in Heat and Mass Transfer</i> , 2011 , 38, 144-148	5.8	173
15	Thermal conductivity of non-Newtonian nanofluids: Experimental data and modeling using neural network. <i>International Journal of Heat and Mass Transfer</i> , 2011 , 54, 1017-1023	4.9	158
14	Convective heat transfer of non-Newtonian nanofluids through a uniformly heated circular tube. <i>International Journal of Thermal Sciences</i> , 2011 , 50, 525-531	4.1	94
13	Turbulent forced convection heat transfer of non-Newtonian nanofluids. <i>Experimental Thermal and Fluid Science</i> , 2011 , 35, 1351-1356	3	68
12	Laminar heat transfer of non-Newtonian nanofluids in a circular tube. <i>Korean Journal of Chemical Engineering</i> , 2010 , 27, 1391-1396	2.8	37
11	Laminar convective heat transfer of non-Newtonian nanofluids with constant wall temperature. <i>Heat and Mass Transfer</i> , 2011 , 47, 203-209	2.2	30
10	Nanofluids as coolant in a shell and tube heat exchanger: ANN modeling and multi-objective optimization. <i>Applied Mathematics and Computation</i> , 2020 , 365, 124710	2.7	29
9	Optimization of process conditions for biodiesel production over CaO/Al ₂ O ₃ /ZrO ₂ catalyst using response surface methodology. <i>Chemical Papers</i> , 2017 , 71, 689-698	1.9	25
8	Effect of TiO ₂ nanoparticle on rheological behavior of poly(vinyl alcohol) solution. <i>Journal of Vinyl and Additive Technology</i> , 2017 , 23, 234-240	2	12
7	Pressure Drop of Non-Newtonian Nanofluids Flowing Through a Horizontal Circular Tube. <i>Journal of Dispersion Science and Technology</i> , 2012 , 33, 1066-1070	1.5	10
6	Rheological behavior of starch/Poly(vinyl alcohol)/TiO ₂ nanofluids and their main and interactive effects. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	9
5	Accelerated CO ₂ capture on adsorbent coated finned tube: An experimental study. <i>Energy</i> , 2019 , 187, 116014	7.9	3
4	Fabrication of SO ₄ 2 ⁻ /MO/Al ₂ O ₃ /ZrO ₂ (M = Ca, Mg, Sr, Ba) as Solid Acid-Base Nanocatalyst Used in Trans/Esterification Reaction. <i>Waste and Biomass Valorization</i> , 2020 , 11, 2027-2037	3.2	3
3	Cooling performance of Newtonian and non-Newtonian nanofluids in a square channel: experimental investigation and ANN modeling. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 142, 2189-2202	4.1	2
2	Numerical simulation and multi-objective optimization of heat transfer of Al ₂ O ₃ /water nanofluid in rectangular ducts. <i>International Journal of Thermal Sciences</i> , 2022 , 172, 107343	4.1	1
1	CO ₂ Capture on an Adsorbent-Coated Finned Tube Heat Exchanger: Effect of the Adsorbent Thickness. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 4677-4681	3.9	1

