

# Mohammad Hojjat

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4279677/publications.pdf>

Version: 2024-02-01

18  
papers

1,185  
citations

840119

11  
h-index

839053

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18  
all docs

18  
docs citations

18  
times ranked

989  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat transfer of nanofluids in a shell and tube heat exchanger. International Journal of Heat and Mass Transfer, 2010, 53, 12-17.	2.5	340
2	Rheological characteristics of non-Newtonian nanofluids: Experimental investigation. International Communications in Heat and Mass Transfer, 2011, 38, 144-148.	2.9	220
3	Thermal conductivity of non-Newtonian nanofluids: Experimental data and modeling using neural network. International Journal of Heat and Mass Transfer, 2011, 54, 1017-1023.	2.5	182
4	Convective heat transfer of non-Newtonian nanofluids through a uniformly heated circular tube. International Journal of Thermal Sciences, 2011, 50, 525-531.	2.6	110
5	Turbulent forced convection heat transfer of non-Newtonian nanofluids. Experimental Thermal and Fluid Science, 2011, 35, 1351-1356.	1.5	84
6	Nanofluids as coolant in a shell and tube heat exchanger: ANN modeling and multi-objective optimization. Applied Mathematics and Computation, 2020, 365, 124710.	1.4	65
7	Laminar heat transfer of non-Newtonian nanofluids in a circular tube. Korean Journal of Chemical Engineering, 2010, 27, 1391-1396.	1.2	39
8	Laminar convective heat transfer of non-Newtonian nanofluids with constant wall temperature. Heat and Mass Transfer, 2011, 47, 203-209.	1.2	39
9	Optimization of process conditions for biodiesel production over CaO-Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> catalyst using response surface methodology. Chemical Papers, 2017, 71, 689-698.	1.0	36
10	Effect of TiO <sub>2</sub> nanoparticle on rheological behavior of poly(vinyl alcohol) solution. Journal of Vinyl and Additive Technology, 2017, 23, 234-240.	1.8	13
11	Pressure Drop of Non-Newtonian Nanofluids Flowing Through a Horizontal Circular Tube. Journal of Dispersion Science and Technology, 2012, 33, 1066-1070.	1.3	12
12	Rheological behavior of starch-poly(vinyl alcohol)-TiO <sub>2</sub> nanofluids and their main and interactive effects. Journal of Applied Polymer Science, 2016, 133, .	1.3	10
13	Numerical simulation and multi-objective optimization of heat transfer of Al <sub>2</sub> O <sub>3</sub> /water nanofluid in rectangular ducts. International Journal of Thermal Sciences, 2022, 172, 107343.	2.6	9
14	Fabrication of SO <sub>4</sub> <sup>2-</sup> /MO-Al <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> (M=Ca, Mg, Sr, Ba) as Solid Acid-Base Nanocatalyst Used in Trans/Esterification Reaction. Waste and Biomass Valorization, 2020, 11, 2027-2037.	1.8	6
15	CO <sub>2</sub> Capture on an Adsorbent-Coated Finned Tube Heat Exchanger: Effect of the Adsorbent Thickness. Industrial & Engineering Chemistry Research, 2021, 60, 4677-4681.	1.8	6
16	Adsorption of Carbon Dioxide with Ni-MOF-74 and MWCNT Incorporated Poly Acrylonitrile Nanofibers. Nanomaterials, 2022, 12, 412.	1.9	6
17	Accelerated CO <sub>2</sub> capture on adsorbent coated finned tube: An experimental study. Energy, 2019, 187, 116014.	4.5	5
18	Cooling performance of Newtonian and non-Newtonian nanofluids in a square channel: experimental investigation and ANN modeling. Journal of Thermal Analysis and Calorimetry, 2020, 142, 2189-2202.	2.0	3