

Sadegh Aberoumand

List of Publications by Citations

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33
papers

1,086
citations

16
h-index

32
g-index

34
ext. papers

1,445
ext. citations

6.3
avg, IF

5.4
L-index

#	Paper	IF	Citations
33	Experimental study on the rheological behavior of silver-heat transfer oil nanofluid and suggesting two empirical based correlations for thermal conductivity and viscosity of oil based nanofluids. <i>Applied Thermal Engineering</i> , 2016 , 101, 362-372	5.8	153
32	Recent advances in preparation methods and thermophysical properties of oil-based nanofluids: A state-of-the-art review. <i>Powder Technology</i> , 2019 , 352, 209-226	5.2	126
31	Experimental study on synthesis, stability, thermal conductivity and viscosity of Cu/engine oil nanofluid. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 71, 315-322	5.3	106
30	A renewable energy-driven thermoelectric-utilized solar still with external condenser loaded by silver/nanofluid for simultaneously water disinfection and desalination. <i>Desalination</i> , 2020 , 480, 114354	10.3	102
29	Energy and exergy analysis of a photovoltaic thermal (PV/T) system using nanofluids: An experimental study. <i>Solar Energy</i> , 2018 , 165, 167-177	6.8	97
28	Recent advances on nanofluids for low to medium temperature solar collectors: energy, exergy, economic analysis and environmental impact. <i>Progress in Energy and Combustion Science</i> , 2021 , 84, 100898	33.6	86
27	An experimental and theoretical investigation on the effects of adding hybrid nanoparticles on heat transfer efficiency and pumping power of an oil-based nanofluid as a coolant fluid. <i>International Journal of Refrigeration</i> , 2018 , 89, 83-92	3.8	82
26	Tungsten (III) oxide (WO ₃) /Silver/transformer oil hybrid nanofluid: Preparation, stability, thermal conductivity and dielectric strength. <i>AEJ - Alexandria Engineering Journal</i> , 2018 , 57, 169-174	6.1	63
25	Experimental assessment on passive solar distillation system on Mount Tochal at the height of 3964 m: Study at high altitude. <i>Desalination</i> , 2019 , 466, 77-88	10.3	43
24	Mixed convection heat transfer of nanofluids inside curved tubes: An experimental study. <i>Applied Thermal Engineering</i> , 2016 , 108, 967-979	5.8	36
23	An empirical investigation on thermal characteristics and pressure drop of Ag-oil nanofluid in concentric annular tube. <i>Heat and Mass Transfer</i> , 2016 , 52, 1693-1706	2.2	26
22	An empirical investigation on Cu/Ethylene Glycol nanofluid through a concentric annular tube and proposing a correlation for predicting Nusselt number. <i>AEJ - Alexandria Engineering Journal</i> , 2016 , 55, 1047-1052	6.1	23
21	Experimental Study on Cu/Oil Nanofluids through Concentric Annular Tube: A Correlation. <i>Heat Transfer - Asian Research</i> , 2017 , 46, 251-260	2.8	17
20	FinTech in Western Asia: Case of Iran. <i>Journal of Industrial Integration and Management</i> , 2018 , 03, 1850068	9.68	17
19	Al/ oil nanofluids inside annular tube: an experimental study on convective heat transfer and pressure drop. <i>Heat and Mass Transfer</i> , 2018 , 54, 1053-1067	2.2	16
18	Advances in electrode and electrolyte improvements in vanadium redox flow batteries with a focus on the nanofluidic electrolyte approach. <i>Physics Reports</i> , 2020 , 881, 1-49	27.7	16
17	Mixed convection heat transfer: an experimental study on Cu/heat transfer oil nanofluids inside annular tube. <i>Heat and Mass Transfer</i> , 2017 , 53, 2875-2884	2.2	10

16	MHD wedge flow of nanofluids with an analytic solution to an especial case by Lambert W-function and Homotopy Perturbation Method 2017 , 20, 1515-1530		10
15	On the Viscosity of Ag/Oil Based Nanofluids: A Correlation. <i>Heat Transfer - Asian Research</i> , 2017 , 46, 18-288		9
14	Thermo-electro-rheological behaviour of vanadium electrolyte-based electrochemical graphene oxide nanofluid designed for redox flow battery. <i>Journal of Molecular Liquids</i> , 2021 , 338, 116860	6	8
13	Cu/Oil nanofluids flow over a semi-infinite plate accounting an experimental model. <i>Heat Transfer</i> , 2020 , 49, 1338-1354	3.1	7
12	A critical analysis on the energy and exergy performance of photovoltaic/thermal (PV/T) system: The role of nanofluids stability and synthesizing method. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 51, 101887	4.7	7
11	On the Implementation of Cu/Ethylene Glycol Nanofluids Inside an Annular Pipe Under a Constant Wall Temperature Boundary Condition. <i>Heat Transfer - Asian Research</i> , 2017 , 46, 647-655	2.8	5
10	A new turbine model for enhancing convective heat transfer in the presence of low volume concentration of Ag-Oil Nanofluids. <i>Heat and Mass Transfer</i> , 2018 , 54, 1491-1501	2.2	4
9	A Comparison between heat transfer performance of rectangular and semicircular tubes considering boundary effects on Brownian motions in the presence of Ag / water nanofluids: Applicable in the design of cooling system of photovoltaic cells. <i>PLoS ONE</i> , 2017 , 12, e0180883	3.7	4
8	Advances in Si and SiC Materials for High-Performance Supercapacitors toward Integrated Energy Storage Systems. <i>Small</i> , 2021 , 17, e2101775	11	4
7	A Complete Experimental Investigation on The Rheological Behavior of Silver Oil Based Nanofluid. <i>Heat Transfer - Asian Research</i> , 2017 , 46, 294-304	2.8	3
6	On the Performance of Ag/Oil Nanofluids in Heat Transfer Enhancement in a Sinusoidal Tube: Constant Heat Flux Boundary Condition. <i>Heat Transfer - Asian Research</i> , 2017 , 46, 913-923	2.8	2
5	Exact approximations for skin friction coefficient and convective heat transfer coefficient for a class of power law fluids flow over a semi-infinite plate: Results from similarity solutions 2017 , 20, 1115-1121		2
4	Reduced graphene oxide nanofluidic electrolyte with improved electrochemical properties for vanadium flow batteries. <i>Journal of Energy Storage</i> , 2022 , 49, 104133	7.8	1
3	DBD Plasma: Explicit Model with Integral Approximate Solution to Wall Jet. <i>Journal of Aerospace Technology and Management</i> , 2018 , 10,	0.7	1
2	Numerical Investigation on the Impact of DBD Plasma Actuators on Temperature Enhancement in the Channel Flow. <i>Heat Transfer - Asian Research</i> , 2017 , 46, 497-510	2.8	0
1	On the evaluation of a finned annular tube in convective heat transfer performance in the presence of Ag/oil nanofluid for a constant thermal flux rate boundary condition. <i>Heat Transfer - Asian Research</i> , 2017 , 46, 1354-1362	2.8	0