

Kouros Javaherdeh

List of Publications by Year in descending order

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48
papers

905
citations

623734

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477307

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docs citations

48
times ranked

878
citing authors

#	ARTICLE	IF	CITATIONS
1	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. Applied Thermal Engineering, 2016, 101, 362-372.	6.0	206
2	Simulation of solar lithium bromide-water absorption cooling system with parabolic trough collector. Energy Conversion and Management, 2008, 49, 2820-2832.	9.2	124
3	HBMO algorithm for calibrating water distribution network of Langarud city. Water Science and Technology, 2012, 65, 1564-1569.	2.5	62
4	Numerical solution of nanofluid mixed convection heat transfer in a lid-driven square cavity with a triangular heat source. Powder Technology, 2014, 253, 780-788.	4.2	55
5	Natural convection heat and mass transfer in MHD fluid flow past a moving vertical plate with variable surface temperature and concentration in a porous medium. Engineering Science and Technology, an International Journal, 2015, 18, 423-431.	3.2	47
6	Numerical and experimental investigation of heat transfer behavior in a round tube with the special conical ring inserts. Energy Conversion and Management, 2014, 88, 214-217.	9.2	22
7	Design of a 25 MWe Solar Thermal Power Plant in Iran with Using Parabolic Trough Collectors and a Two-Tank Molten Salt Storage System. International Journal of Photoenergy, 2017, 2017, 1-11.	2.5	22
8	Al/ oil nanofluids inside annular tube: an experimental study on convective heat transfer and pressure drop. Heat and Mass Transfer, 2018, 54, 1053-1067.	2.1	22
9	Experimental and Numerical Investigations on Louvered Fin-and-Tube Heat Exchanger With Variable Geometrical Parameters. Journal of Thermal Science and Engineering Applications, 2017, 9, .	1.5	21
10	Experimental investigation on the effect of inlet swirl generator on heat transfer and pressure drop of non-Newtonian nanofluid. Applied Thermal Engineering, 2019, 147, 551-561.	6.0	21
11	Condensation heat transfer performance in multi-fluid compact heat exchangers with wavy and strip fins. International Journal of Heat and Mass Transfer, 2022, 182, 121968.	4.8	21
12	Thermal performance enhancement in perforated baffled annuli by nanoporous graphene non-Newtonian nanofluid. Applied Thermal Engineering, 2020, 167, 114719.	6.0	20
13	Effect of magnetic field on forced convection heat transfer of a non-Newtonian nanofluid through an annulus: an experimental study. Heat and Mass Transfer, 2018, 54, 3307-3316.	2.1	19
14	Lattice Boltzmann simulation of MHD natural convection in a cavity with porous media and sinusoidal temperature distribution. Applied Mathematics and Mechanics (English Edition), 2018, 39, 1187-1200.	3.6	18
15	The effects of fin height, fin-tube contact thickness and louver length on the performance of a compact fin-and-tube heat exchanger. International Journal of Heat and Technology, 2018, 36, 825-834.	0.6	16
16	MHD mixed convection flow of power law non-Newtonian fluids over an isothermal vertical wavy plate. Journal of Magnetism and Magnetic Materials, 2015, 389, 66-72.	2.3	15
17	Numerical simulation of nanofluid turbulent flow in a double-pipe heat exchanger equipped with circular fins. Journal of Thermal Analysis and Calorimetry, 2021, 143, 4299-4311.	3.6	14
18	Numerical design and heat transfer analysis of a non-Newtonian fluid flow for annulus with helical fins. Engineering Science and Technology, an International Journal, 2019, 22, 1107-1115.	3.2	13

#	ARTICLE	IF	CITATIONS
19	On the Viscosity of Ag/Oil Based Nanofluids: A Correlation. Heat Transfer - Asian Research, 2017, 46, 18-28.	2.8	12
20	Experimental investigation of the thermal performance in a single-component two-phase flow in multistream multi-fluid plate-fin heat exchangers. International Journal of Thermal Sciences, 2022, 171, 107194.	4.9	12
21	Effect of compression of microporous and gas diffusion layers on liquid water transport of PEMFC with interdigitated flow field by Lattice Boltzmann method. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 642, 128623.	4.7	12
22	Investigation friction factor and heat transfer characteristics of turbulent flow inside the corrugated tube inserted with typical and V-cut twisted tapes. Heat and Mass Transfer, 2018, 54, 1999-2008.	2.1	11
23	Experimental study of non-Newtonian fluid flow inside the corrugated tube inserted with typical and V-cut twisted tapes. Heat and Mass Transfer, 2019, 55, 937-951.	2.1	11
24	Numerical simulation of power-law fluids flow and heat transfer in a parallel-plate channel with transverse rectangular cavities. Case Studies in Thermal Engineering, 2014, 3, 68-78.	5.7	9
25	A Complete Experimental Investigation on The Rheological Behavior of Silver Oil Based Nanofluid. Heat Transfer - Asian Research, 2017, 46, 294-304.	2.8	9
26	Numerical study of heat transfer enhancement of non-Newtonian nanofluid in porous blocks in a channel partially. Powder Technology, 2021, 383, 270-279.	4.2	9
27	Investigation of applying nanoporous graphene non-Newtonian nanofluid on rheological properties and thermal performance in a turbulent annular flow with perforated baffles. Journal of Thermal Analysis and Calorimetry, 2020, 139, 629-647.	3.6	8
28	Investigation of the geometrical structure of louvered fins in fin-tube heat exchangers for determining the minimum distance of the headers. Journal of Mechanical Science and Technology, 2021, 35, 1721-1731.	1.5	8
29	MICROPOLAR FLUID MODEL FOR BLOOD FLOW THROUGH A STENOSED ARTERY. International Journal of Applied Mechanics, 2013, 05, 1350043.	2.2	7
30	Numerical simulation of heat transfer on nanofluid flow in an annular pipe with simultaneous embedding of porous discs and triangular fins. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an, 2021, 44, 158-169.	1.1	7
31	Experimental study of steady state laminar forced heat transfer of horizontal annulus tube with non-Newtonian nanofluid. Journal of Mechanical Science and Technology, 2017, 31, 5539-5544.	1.5	6
32	Experimental investigation of forced convection heat transfer and friction factor of a non-Newtonian nanofluid flow through an annulus in the presence of magnetic field. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	6
33	Experimental examination of condensation heat transfer enhancement with different perforated tube inserts. Experimental Heat Transfer, 2023, 36, 183-209.	3.2	6
34	FINITE ELEMENT SIMULATION OF MICROPOLAR FLUID FLOW IN THE LID-DRIVEN SQUARE CAVITY. International Journal of Applied Mechanics, 2013, 05, 1350045.	2.2	5
35	Investigation of Heat Transfer and Pressure Drop of Non-Newtonian Nanofluid Performance Through Micro Channels Heat Exchanger (MCHE) in Cross-Flow Configuration. Journal of Nanofluids, 2019, 8, 631-639.	2.7	5
36	Thermodynamic analysis and multi-objective optimization of a new biomass-driven multi-generation system for zero energy buildings. Energy Systems, 2021, 12, 157-180.	3.0	4

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37	Lattice Boltzmann simulation of fluid flow and heat transfer in a micro channel with heat sources located on the walls. Superlattices and Microstructures, 2021, 160, 107069.	3.1	4
38	Numerical simulation of forced convective evaporation in thermal desalination units with vertical tubes. Desalination and Water Treatment, 2013, 51, 1503-1510.	1.0	3
39	Thermal performance of a mini-channel heat exchanger (MCHE) working with CNT/GNP-based non-Newtonian nanofluids. Journal of Thermal Analysis and Calorimetry, 2021, 145, 2307-2319.	3.6	3
40	Lattice Boltzmann Simulation of Nanofluid Mixed Convection in a Lid-Driven Trapezoidal Enclosure with Square Heat Source. Journal of Nanofluids, 2017, 6, 1188-1197.	2.7	3
41	Numerical investigation of the effect of fins on heat transfer enhancement of a laminar non-Newtonian nanofluid flow through a corrugated channel. Journal of Thermal Analysis and Calorimetry, 2022, 147, 9779-9791.	3.6	3
42	Exergoeconomic and exergoenvironmental analysis and optimisation of the three configurations of CO ₂ transcritical cogeneration cycle using genetic algorithm. International Journal of Exergy, 2016, 19, 395.	0.4	2
43	Experimental and numerical study on the thermal and hydrodynamic characteristics of non-Newtonian decaying swirl flows. Journal of Dispersion Science and Technology, 2019, 40, 1288-1299.	2.4	1
44	Viscous Dissipation Effect in the Free Convection of Non-Newtonian Fluid with Heat Generation or Absorption Effect on the Vertical Wavy Surface. Journal of Applied Mathematics, 2021, 2021, 1-14.	0.9	1
45	A Case Study of Energy Harvesting by Dynamic Tidal Power in the Persian Gulf. , 2019, , .		0
46	Characterization and numerical evaluation of flow and blood damage in a pulsatile left ventricular assist device. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	0
47	Mixed Convection Heat Transfer of a Nanofluid in a Lid-Driven Triangular Enclosure with Triangular Heat Source. Journal of Nanofluids, 2014, 3, 172-180.	2.7	0
48	Techno-economic assessment of a new biomass-driven cogeneration system proposed for net zero energy buildings. Environmental Progress and Sustainable Energy, 2022, 41, e13776.	2.3	0