Kourosh Javaherdeh

List of Publications by Year
in descending order

48	905	623734 14	477307 29
papers	citations	h-index	g-index

48	48	48	878
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental examination of condensation heat transfer enhancement with different perforated tube inserts. Experimental Heat Transfer, 2023, 36, 183-209.	3.2	6
2	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
3	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
4	Technoâ€economic assessment of a new biomassâ€driven cogeneration system proposed for net zero energy buildings. Environmental Progress and Sustainable Energy, 2022, 41, e13776.	2.3	0
5	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
6	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
7	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
8	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
9	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
10	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 Hsuch K'an, 2021, 44, 158-169.	1.1	7
11	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
12	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
13	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
14	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
15	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
16	Thermal performance enhancement in perforated baffled annuli by nanoporous graphene non-Newtonian nanofluid. Applied Thermal Engineering, 2020, 167, 114719.	6.0	20
17	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
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	A Case Study of Energy Harvesting by Dynamic Tidal Power in the Persian Gulf. , 2019, , .		0
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	On the Viscosity of Ag/Oil Based Nanofluids: A Correlation. Heat Transfer - Asian Research, 2017, 46, 18-28.	2.8	12
31	A Complete Experimental Investigation on The Rheological Behavior of Silver Oil Based Nanofluid. Heat Transfer - Asian Research, 2017, 46, 294-304.	2.8	9
32	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
33	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
34	Design of a 25â€‰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
35	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
36	Exergoeconomic and exergoenvironmental analysis and optimisation of the three configurations of CO<SUB align="right">2 transcritical cogeneration cycle using genetic algorithm. International Journal of Exergy, 2016, 19, 395.	0.4	2

#	Article	IF	Citations
37	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
38	Natural convection heat and mass transfer in MHD fluid flow past aÂmoving vertical plate with variable surface temperature andÂconcentration in a porous medium. Engineering Science and Technology, an International Journal, 2015, 18, 423-431.	3.2	47
39	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
40	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
41	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
42	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
43	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
44	MICROPOLAR FLUID MODEL FOR BLOOD FLOW THROUGH A STENOSED ARTERY. International Journal of Applied Mechanics, 2013, 05, 1350043.	2.2	7
45	Numerical simulation of forced convective evaporation in thermal desalination units with vertical tubes. Desalination and Water Treatment, 2013, 51, 1503-1510.	1.0	3
46	FINITE ELEMENT SIMULATION OF MICROPOLAR FLUID FLOW IN THE LID-DRIVEN SQUARE CAVITY. International Journal of Applied Mechanics, 2013, 05, 1350045.	2.2	5
47	HBMO algorithm for calibrating water distribution network of Langarud city. Water Science and Technology, 2012, 65, 1564-1569.	2.5	62
48	Simulation of solar lithium bromideâ€“water absorption cooling system with parabolic trough collector. Energy Conversion and Management, 2008, 49, 2820-2832.	9.2	124