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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.

112
papers

5,948
citations

40
h-index

76
g-index

119
ext. papers

6,884
ext. citations

4.5
avg, IF

6.29
L-index

#	Paper	IF	Citations
112	A review on the current progress of metal hydrides material for solid-state hydrogen storage applications. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 12108-12126	6.7	478
111	Thermal conductivity of Cu/TiO ₂ /water/EG hybrid nanofluid: Experimental data and modeling using artificial neural network and correlation. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 66, 100-104	5.8	280
110	Investigation of nanofluid mixed convection in a shallow cavity using a two-phase mixture model. <i>International Journal of Thermal Sciences</i> , 2014 , 75, 204-220	4.1	243
109	Viscosity of nanofluids: A review of recent experimental studies. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 73, 114-123	5.8	216
108	Graphene nanoplatelets/silver hybrid nanofluids for enhanced heat transfer. <i>Energy Conversion and Management</i> , 2015 , 100, 419-428	10.6	212
107	Investigation of rib's height effect on heat transfer and flow parameters of laminar water/Al ₂ O ₃ nanofluid in a rib-microchannel. <i>Applied Mathematics and Computation</i> , 2016 , 290, 135-153	2.7	195
106	Effects of temperature and concentration on rheological behavior of MWCNTs/SiO ₂ (2080)-SAE40 hybrid nano-lubricant. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 76, 133-138	5.8	177
105	Investigation of heat transfer and pressure drop of a counter flow corrugated plate heat exchanger using MWCNT based nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 66, 172-179	5.8	163
104	Experimental study on thermal conductivity of ethylene glycol based nanofluids containing Al ₂ O ₃ nanoparticles. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 88, 728-734	4.9	155
103	An experimental study on thermal conductivity and viscosity of nanofluids containing carbon nanotubes. <i>Nanoscale Research Letters</i> , 2014 , 9, 151	5	151
102	Particle size and type effects on heat transfer enhancement of Ferro-nanofluids in a pulsating heat pipe. <i>Powder Technology</i> , 2016 , 301, 1218-1226	5.2	151
101	A modified two-phase mixture model of nanofluid flow and heat transfer in a 3-D curved microtube. <i>Advanced Powder Technology</i> , 2016 , 27, 2175-2185	4.6	147
100	Investigation of heat transfer performance and friction factor of a counter-flow double-pipe heat exchanger using nitrogen-doped, graphene-based nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 76, 16-23	5.8	138
99	Prediction of dynamic viscosity of a hybrid nano-lubricant by an optimal artificial neural network. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 76, 209-214	5.8	137
98	Experimental study on the effect of inclination angle on heat transfer enhancement of a ferrofluid in a closed loop oscillating heat pipe under magnetic field. <i>Experimental Thermal and Fluid Science</i> , 2016 , 74, 265-270	3	136
97	A comprehensive review on energy efficient CO ₂ breakthrough technologies for sustainable green iron and steel manufacturing. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 50, 594-614	16.2	136
96	Estimation of thermal conductivity of Al ₂ O ₃ /water (40%)/ethylene glycol (60%) by artificial neural network and correlation using experimental data. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 74, 125-128	5.8	132

95	An experimental study on viscosity of alumina-engine oil: Effects of temperature and nanoparticles concentration. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 76, 202-208	5.8	127
94	Forced convective heat transfer of water/functionalized multi-walled carbon nanotube nanofluids in a microchannel with oscillating heat flux and slip boundary condition. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 68, 69-77	5.8	125
93	Study of synthesis, stability and thermo-physical properties of graphene nanoplatelet/platinum hybrid nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 77, 15-21	5.8	125
92	Modeling of thermal conductivity of ZnO-EG using experimental data and ANN methods. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 63, 35-40	5.8	116
91	Performance dependence of thermosyphon on the functionalization approaches: An experimental study on thermo-physical properties of graphene nanoplatelet-based water nanofluids. <i>Energy Conversion and Management</i> , 2015 , 92, 322-330	10.6	112
90	Effect of magnetic field on the heat transfer rate of kerosene/Fe ₂ O ₃ nanofluid in a copper oscillating heat pipe. <i>Experimental Thermal and Fluid Science</i> , 2015 , 68, 663-668	3	110
89	Predicting the viscosity of multi-walled carbon nanotubes/water nanofluid by developing an optimal artificial neural network based on experimental data. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 77, 49-53	5.8	110
88	Performance investigation of micro- and nano-sized particle erosion in a 90° elbow using an ANFIS model. <i>Powder Technology</i> , 2015 , 284, 336-343	5.2	103
87	Experimental investigation and development of new correlations for thermal conductivity of CuO/EG/water nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 65, 47-51	5.8	96
86	Optimization, modeling and accurate prediction of thermal conductivity and dynamic viscosity of stabilized ethylene glycol and water mixture Al ₂ O ₃ nanofluids by NSGA-II using ANN. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 82, 154-160	5.8	96
85	Heat transfer and fluid flow of pseudo-plastic nanofluid over a moving permeable plate with viscous dissipation and heat absorption/generation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 1643-1654	4.1	85
84	Monitoring the tool wear, surface roughness and chip formation occurrences using multiple sensors in turning. <i>Journal of Manufacturing Systems</i> , 2014 , 33, 476-487	9.1	83
83	Application of acoustic emission sensor to investigate the frequency of tool wear and plastic deformation in tool condition monitoring. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016 , 92, 208-217	4.6	81
82	Experimental investigation of thermo-physical properties, convective heat transfer and pressure drop of functionalized graphene nanoplatelets aqueous nanofluid in a square heated pipe. <i>Energy Conversion and Management</i> , 2016 , 114, 38-49	10.6	75
81	Numerical study of entropy generation due to coupled laminar and turbulent mixed convection and thermal radiation in an enclosure filled with a semitransparent medium. <i>Scientific World Journal, The</i> , 2014 , 2014, 761745	2.2	71
80	Heat Transfer and Pressure Drop in Fully Developed Turbulent Flows of Graphene Nanoplatelets/Silver/Water Nanofluids. <i>Fluids</i> , 2016 , 1, 20	1.6	69
79	Nanofluid based on activated hybrid of biomass carbon/graphene oxide: Synthesis, thermo-physical and electrical properties. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 72, 10-15	5.8	62
78	Comparison of the Finite Volume and Lattice Boltzmann Methods for Solving Natural Convection Heat Transfer Problems inside Cavities and Enclosures. <i>Abstract and Applied Analysis</i> , 2014 , 2014, 1-15	0.7	59

77	A novel, eco-friendly technique for covalent functionalization of graphene nanoplatelets and the potential of their nanofluids for heat transfer applications. <i>Chemical Physics Letters</i> , 2017 , 675, 92-97	2.5	57
76	Numerical Study of Entropy Generation in a Flowing Nanofluid Used in Micro- and Minichannels. <i>Entropy</i> , 2013 , 15, 144-155	2.8	57
75	Performance Evaluation of Nanofluids in an Inclined Ribbed Microchannel for Electronic Cooling Applications 2016 ,		54
74	Heat and fluid flow analysis of metal foam embedded in a double-layered sinusoidal heat sink under local thermal non-equilibrium condition using nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 1461-1476	4.1	52
73	Fiber Bragg Gratings Hydrogen Sensor for Monitoring the Degradation of Transformer Oil. <i>IEEE Sensors Journal</i> , 2016 , 16, 2993-2999	4	51
72	A theoretical model to predict gas permeability for slip flow through a porous medium. <i>Applied Thermal Engineering</i> , 2014 , 70, 71-76	5.8	40
71	Study of environmentally friendly and facile functionalization of graphene nanoplatelet and its application in convective heat transfer. <i>Energy Conversion and Management</i> , 2017 , 150, 26-36	10.6	37
70	Evaluation of criteria for CO ₂ capture and storage in the iron and steel industry using the 2-tuple DEMATEL technique. <i>Journal of Cleaner Production</i> , 2016 , 120, 207-220	10.3	34
69	Thermal analysis of a binary base fluid in pool boiling system of glycol/water alumina nano-suspension. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 2453-2462	4.1	33
68	Convective heat transfer enhancement with graphene nanoplatelet/platinum hybrid nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 88, 120-125	5.8	30
67	Experimental study on thermo-physical and rheological properties of stable and green reduced graphene oxide nanofluids: Hydrothermal assisted technique. <i>Journal of Dispersion Science and Technology</i> , 2017 , 38, 1302-1310	1.5	29
66	Modeling of commercial proton exchange membrane fuel cell using support vector machine. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 11351-11358	6.7	29
65	Eulerian-Lagrangian analysis of solid particle distribution in an internally heated and cooled air-filled cavity. <i>Applied Mathematics and Computation</i> , 2015 , 250, 28-46	2.7	28
64	Dynamic fuzzy cognitive network approach for modelling and control of PEM fuel cell for power electric bicycle system. <i>Applied Energy</i> , 2017 , 202, 20-31	10.7	25
63	Mathematical Modeling for Nanofluids Simulation: A Review of the Latest Works 2016 ,		25
62	Dynamic performance assessment of the efficiency of fuel cell-powered bicycle: An experimental approach. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 13276-13284	6.7	23
61	A Hybrid Finite-Element/Finite-Difference Scheme for Solving the 3-D Energy Equation in Transient Nonisothermal Fluid Flow over a Staggered Tube Bank. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2015 , 68, 169-183	1.3	23
60	On the electrical and thermal contact resistance of metal foam. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 72, 565-571	4.9	22

59	A comprehensive review of milk fouling on heated surfaces. <i>Critical Reviews in Food Science and Nutrition</i> , 2015 , 55, 1724-43	11.5	20
58	Development of a new density correlation for carbon-based nanofluids using response surface methodology. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 132, 1399-1407	4.1	20
57	Dynamic modelling of PEM fuel cell of power electric bicycle system. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 9585-9594	6.7	18
56	Theoretical modelling of momentum transfer function of bi-disperse porous media. <i>Applied Thermal Engineering</i> , 2015 , 75, 867-870	5.8	16
55	Second law analysis of hybrid nanofluid flow in a microchannel heat sink integrated with ribs and secondary channels for utilization in miniature thermal devices. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020 , 153, 107963	3.7	16
54	Performance enhancement and multi-objective optimization of a solar-driven setup with storage process using an innovative modification. <i>Journal of Energy Storage</i> , 2020 , 32, 101956	7.8	14
53	On numerical study of calcium sulphate fouling under sub-cooled flow boiling conditions. <i>Applied Thermal Engineering</i> , 2015 , 81, 18-27	5.8	12
52	Forward and inverse kinematics model for robotic welding process using KR-16KS KUKA robot 2011		12
51	Automatic detection of oil palm fruits from UAV images using an improved YOLO model. <i>Visual Computer</i> , 1	2.3	12
50	Waste heat from a biomass fueled gas turbine for power generation via an ORC or compressor inlet cooling via an absorption refrigeration cycle: A thermoeconomic comparison. <i>Applied Thermal Engineering</i> , 2021 , 182, 116117	5.8	12
49	An innovative double-flash binary cogeneration cooling and power (CCP) system: Thermodynamic evaluation and multi-objective optimization. <i>Energy</i> , 2021 , 214, 118864	7.9	12
48	Assessment of a novel system utilizing gases exhausted from a ship engine for power, cooling, and desalinated water generation. <i>Applied Thermal Engineering</i> , 2021 , 184, 116177	5.8	12
47	Thermodynamic and exergoeconomic analyses and optimization of an auxiliary tri-generation system for a ship utilizing exhaust gases from its engine. <i>Journal of Cleaner Production</i> , 2021 , 287, 125012	10.3	12
46	ANFIS modeling to predict the friction forces in CNC guideways and servomotor currents in the feed drive system to be employed in lubrication control system. <i>Journal of Manufacturing Processes</i> , 2017 , 28, 168-185	5	11
45	Development of a control system for artificially rehabilitated limbs: a review. <i>Biological Cybernetics</i> , 2015 , 109, 141-62	2.8	11
44	Buoyancy induced heat transfer deterioration in vertical concentric and eccentric annuli. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 81, 222-233	4.9	10
43	Muscle activity, time to fatigue, and maximum task duration at different levels of production standard time. <i>Journal of Physical Therapy Science</i> , 2015 , 27, 2323-6	1	9
42	Energy, exergy, and exergoeconomic evaluation of a novel CCP system based on a solid oxide fuel cell integrated with absorption and ejector refrigeration cycles. <i>Thermal Science and Engineering Progress</i> , 2021 , 21, 100755	3.6	9

41	Thermohydraulics of the liquid films in rotating heat pipes. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 30, 2861-2866	4.5	8
40	Cutting force analysis to estimate the friction force in linear guideways of CNC machine. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016 , 85, 65-79	4.6	8
39	An optimized YOLO-based object detection model for crop harvesting system. <i>IET Image Processing</i> , 2021 , 15, 2112-2125	1.7	7
38	Thermal dispersion effects on forced convection in a porous-saturated pipe. <i>Thermal Science and Engineering Progress</i> , 2017 , 2, 64-70	3.6	6
37	Do cardiac actin mutations lead to altered actomyosin interactions?. <i>Biochemistry and Cell Biology</i> , 2015 , 93, 330-4	3.6	6
36	Experimental investigation on momentum and drag reduction of Malaysian crop suspensions in closed conduit flow. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 210, 012065	0.4	6
35	The effects of energy expenditure rate on work productivity performance at different levels of production standard time. <i>Journal of Physical Therapy Science</i> , 2015 , 27, 2431-3	1	5
34	Investigation on the laminar flame speed of CH ₄ /CO ₂ /air mixture at atmospheric and high pressures using Schlieren photography. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 31151-31161	6.7	5
33	Thermal dispersion effects on forced convection in a parallel plate porous channel. <i>Meccanica</i> , 2015 , 50, 1971-1976	2.1	4
32	Slip flow forced convection through microducts of arbitrary cross-section: Heat and momentum analogy. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 71, 176-179	5.8	4
31	An Investigation into a Gear-Based Knee Joint Designed for Lower Limb Prosthesis. <i>Applied Bionics and Biomechanics</i> , 2017 , 2017, 7595642	1.6	4
30	Heating a cold semi-annulus wall by MHD natural convection with nanofluid. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101569	5.6	4
29	The relationship between work productivity and acute responses at different levels of production standard times. <i>International Journal of Industrial Ergonomics</i> , 2016 , 56, 59-68	2.9	4
28	MHD natural convection nanofluid flow in a heat exchanger: Effects of Brownian motion and thermophoresis for nanoparticles distribution. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101394	5.6	4
27	Using ANFIS technique for PEM fuel cell electric bicycle prediction model. <i>International Journal of Environmental Science and Technology</i> , 2019 , 16, 7319-7326	3.3	3
26	Development of a system configuration for a solar powered hydrogen facility using fuzzy logic control. <i>Journal of Zhejiang University: Science A</i> , 2013 , 14, 822-834	2.1	3
25	A survey of using multiple affiliations by scholars in scientific articles. <i>Scientometrics</i> , 2016 , 107, 317-318	3	3
24	Experimental investigation on drag reduction of flowing crop suspensions of the pulp fibers in circular pipe heat exchanger. <i>Particulate Science and Technology</i> , 2020 , 38, 443-453	2	3

23	An Investigation into Turning of ASSAB-705 Steel Using Multiple Sensors. <i>Materials and Manufacturing Processes</i> , 2016 , 31, 896-904	4.1	2
22	Fuzzy-based risk prioritization for a hydrogen refueling facility in Malaysia. <i>Journal of Zhejiang University: Science A</i> , 2013 , 14, 565-573	2.1	2
21	Modeling and Simulation of Solar Powered Hydrogen System. <i>Applied Mechanics and Materials</i> , 2013 , 315, 128-135	0.3	2
20	Examination and optimization of a novel auxiliary trigeneration system for a ship through waste-to-energy from its engine. <i>Case Studies in Thermal Engineering</i> , 2022 , 31, 101860	5.6	2
19	Effect of the Hall currents and thermal radiation on the flow of a nanofluid through a vertical rotating channel. <i>Mathematical Methods in the Applied Sciences</i> , 2020 ,	2.3	2
18	Observation the melting process of the phase change material inside a half-cylindrical with thermal non-equilibrium porous media: CFD simulation. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101496	5.6	2
17	An improved electromagnetism-like algorithm for numerical optimization. <i>Theoretical Computer Science</i> , 2016 , 641, 75-84	1.1	1
16	CFD convective flow simulation of the varying properties of CO ₂ -H ₂ O mixtures in geothermal systems. <i>Scientific World Journal, The</i> , 2015 , 2015, 843068	2.2	1
15	Development of Hazard Assessment for Hydrogen Refueling Station in Malaysia. <i>Applied Mechanics and Materials</i> , 2013 , 315, 121-127	0.3	1
14	Small-scale helicopter system identification model using recurrent neural networks 2010 ,		1
13	A Review of Auto-Guided-Vehicles Routing Algorithms. <i>Advanced Materials Research</i> , 2012 , 479-481, 443-456	0.5	1
12	Automated object detection on aerial images for limited capacity embedded device using a lightweight CNN model. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 61, 6023-6023	6.1	1
11	Toward improved heat dissipation of the turbulent regime over backward-facing step for the AL ₂ O ₃ -water nanofluids: An experimental approach. <i>Thermal Science</i> , 2019 , 23, 1779-1789	1.2	1
10	A new experiential learning electromagnetism-like mechanism for numerical optimization. <i>Expert Systems With Applications</i> , 2017 , 86, 321-333	7.8	1
9	Effect of various refining processes for Kenaf Bast non-wood pulp fibers suspensions on heat transfer coefficient in circular pipe heat exchanger. <i>Heat and Mass Transfer</i> , 2018 , 54, 875-882	2.2	0
8	The Variation of Work Productivity and Muscle Activities at Different Levels of Production Target. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 248, 012014	0.4	
7	The Mediating Effects of Muscle Activities on the Relationship of Production Standard Time and Work Productivity. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 248, 012015	0.4	
6	A Conceptual Model of Work Productivity Associated with Work-Related Musculoskeletal Disorders in the Industrial Repetitive Task. <i>Advanced Materials Research</i> , 2013 , 845, 623-626	0.5	

- 5 A Controller for Natural Gas Fuel Dispenser with Multi-Level-Pressure Banks **2021**, 25
- 4 Towards Establishing Path Planning Strategies For Autonomous UAVs; A Brief Survey Summary on Recent Techniques. *Proceedings of International Conference on Artificial Life and Robotics*, **2021**, 26, 754-759
- 3 Optimal performance of data transmission between Malaysia-China for VLBI-based radio astronomy observation using Jive5ab. *Experimental Astronomy*, 1 1.3
- 2 Employing numerical method for evaluating the heat transfer rate of a hot tube by nanofluid natural convection. *Case Studies in Thermal Engineering*, **2022**, 102006 5.6
- 1 Cooling a Hot Semiannulus with Constant Heat Flux by Using Fe₃O₄. *Journal of Nanomaterials*, **2022**, 2022, 1-9 3.2