

Nor Azwadi Bin Che Sidik

List of Publications by Year in descending order

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Version: 2024-02-01

249
papers

7,291
citations

38660

50
h-index

64668

79
g-index

250
all docs

250
docs citations

250
times ranked

5103
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved thermo-physical properties and energy efficiency of hybrid PCM/graphene-silver nanocomposite in a hybrid CPV/thermal solar system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 1125-1142.	2.0	25
2	Hybrid nanocoolant for enhanced heat transfer performance in vehicle cooling system. <i>International Communications in Heat and Mass Transfer</i> , 2022, 133, 105922.	2.9	6
3	Recent progress on the application of nanofluids and hybrid nanofluids in machining: a comprehensive review. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 121, 1455-1481.	1.5	21
4	Experimental investigation and optimization of loop heat pipe performance with nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 1435-1449.	2.0	9
5	Nanofluids for flat plate solar collectors: Fundamentals and applications. <i>Journal of Cleaner Production</i> , 2021, 291, 125725.	4.6	47
6	Industry 4.0: Challenges of Mechanical Engineering for Society and Industry. <i>Mechanical Engineering for Society and Industry</i> , 2021, 1, 3-6.	1.4	12
7	Impact of different surfactants and ultrasonication time on the stability and thermophysical properties of hybrid nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2020, 110, 104389.	2.9	165
8	Experimental investigation of energy storage properties and thermal conductivity of a novel organic phase change material/MXene as A new class of nanocomposites. <i>Journal of Energy Storage</i> , 2020, 27, 101115.	3.9	113
9	Review on numerical simulations for nano-enhanced phase change material (NEPCM) phase change process. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 669-684.	2.0	11
10	Revisiting tin melting for phase change model verification. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 463, 012123.	0.2	0
11	Effect of surfactants on thermal conductivity of graphene based hybrid nanofluid. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 463, 012122.	0.2	4
12	Thermal Performance Analysis in Sinusoidal-Cavities-Ribs Microchannel Heat Sink with Secondary Channel Geometry for Low Pumping Power Application. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 884, 012087.	0.3	2
13	Wake behind a Compound Wing in Ground Effect. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 156.	1.2	7
14	Experimental investigation on stability, thermal conductivity and rheological properties of rGO/ethylene glycol based nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2020, 150, 118981.	2.5	59
15	Numerical investigation on melting of various nanoparticles enhanced phase change material inside a square enclosure. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 463, 012128.	0.2	2
16	A review on preparation of nanocellulose for new green working fluid in heat transfer application. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 463, 012133.	0.2	1
17	A comprehensive review of the influences of nanoparticles as a fuel additive in an internal combustion engine (ICE). <i>Nanotechnology Reviews</i> , 2020, 9, 1326-1349.	2.6	41
18	Experimental Assessment of a Novel Eutectic Binary Molten Salt-based Hexagonal Boron Nitride Nanocomposite as a Promising PCM with Enhanced Specific Heat Capacity. <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i> , 2020, 68, 73-85.	0.3	27

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19	Optimization of Thermal Conductivity of NanoPCM-Based Graphene by Response Surface Methodology. <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i> , 2020, 75, 108-125.	0.3	21
20	The Effect of Triangular Cavity Shape on the Hybrid Microchannel Heat Sink Performance. <i>CFD Letters</i> , 2020, 12, 1-14.	0.4	4
21	A review of passive methods in microchannel heat sink application through advanced geometric structure and nanofluids: Current advancements and challenges. <i>Nanotechnology Reviews</i> , 2020, 9, 1192-1216.	2.6	34
22	Uncertainty of Temperature measured by Thermocouple. <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i> , 2020, 68, 54-62.	0.3	7
23	Investigation of Newtonian and Power-Law Blood Flow Models in a 180° Curved Pipe at Low to Medium Shear Rate. <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i> , 2020, 69, 148-162.	0.3	2
24	Recent state of nanofluid in automobile cooling systems. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 981-1008.	2.0	66
25	Graphene nanoplatelets and few-layer graphene studies in thermo-physical properties and particle characterization. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 1081-1093.	2.0	30
26	Excellent Properties of Dimer Fatty Acid Esters as Biolubricant Produced by Catalyst-Free and Solvent-Free Esterification. <i>European Journal of Lipid Science and Technology</i> , 2019, 121, 1900228.	1.0	10
27	Delfim-Soares explicit time marching method for modelling of ultrasonic wave in microalgae pre-treatment. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 268, 012106.	0.2	2
28	Energy equation of swirling flow in a cylindrical container. <i>International Communications in Heat and Mass Transfer</i> , 2019, 108, 104288.	2.9	0
29	Thermal efficiency of a flat-plate solar collector filled with Pentaethylene Glycol-Treated Graphene Nanoplatelets: An experimental analysis. <i>Solar Energy</i> , 2019, 191, 360-370.	2.9	44
30	Numerical investigation on melting of Phase Change Material (PCM) dispersed with various nanoparticles inside a square enclosure. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 469, 012034.	0.3	3
31	Biolubricant production from palm stearin through enzymatic transesterification method. <i>Biochemical Engineering Journal</i> , 2019, 148, 178-184.	1.8	59
32	Significance of alumina in nanofluid technology. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 1107-1126.	2.0	55
33	Numerical analysis of irreversible processes in a piston-cylinder system using LB1S turbulence model. <i>International Journal of Heat and Mass Transfer</i> , 2019, 136, 730-739.	2.5	3
34	Numerical analysis on thermal and hydraulic performance of diverging-converging minichannel heat sink using Al ₂ O ₃ -H ₂ O nanofluid. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 469, 012046.	0.3	5
35	Erosion-corrosion effect of nanocoolant on actual car water pump. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 469, 012039.	0.3	3
36	Natural convection heat transfer of nanofluid inside a cavity containing rough elements using lattice Boltzmann method. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 3659-3684.	1.6	17

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37	Thermophysical properties and stability of carbon nanostructures and metallic oxides nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 1545-1562.	2.0	33
38	Study on friction and wear of Cellulose Nanocrystal (CNC) nanoparticle as lubricating additive in engine oil. <i>International Journal of Heat and Mass Transfer</i> , 2019, 131, 1196-1204.	2.5	79
39	Recent progress on concentrating direct absorption solar collector using nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 137, 903-922.	2.0	46
40	An experimental study on characterization and properties of nano lubricant containing Cellulose Nanocrystal (CNC). <i>International Journal of Heat and Mass Transfer</i> , 2019, 130, 1163-1169.	2.5	39
41	A Detailed Study of Row-Trenched Holes at the Combustor Exit on Film-Cooling Effectiveness. <i>Mechanics and Mechanical Engineering</i> , 2019, 23, 246-252.	0.2	0
42	Effect of Nozzle Angle, Size and Pressure on Spray Distribution based on Laboratory Conditions. <i>International Journal of Engineering and Advanced Technology</i> , 2019, 9, 2522-2525.	0.2	0
43	Performance enhancement of cold thermal energy storage system using nanofluid phase change materials: A review. <i>International Communications in Heat and Mass Transfer</i> , 2018, 94, 85-95.	2.9	65
44	Effects of different water percentages in non-surfactant emulsion fuel on performance and exhaust emissions of a light-duty truck. <i>Journal of Cleaner Production</i> , 2018, 179, 559-566.	4.6	43
45	Numerical analysis for irreversible processes in a piston-cylinder system. <i>International Journal of Heat and Mass Transfer</i> , 2018, 124, 1097-1106.	2.5	4
46	Outflow velocity for SIMPLE algorithm for unsteady forced convection flows with variable density. <i>International Communications in Heat and Mass Transfer</i> , 2018, 92, 73-77.	2.9	2
47	Alcohol and ether as alternative fuels in spark ignition engine: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 2586-2605.	8.2	215
48	Numerical predictions of laminar and turbulent forced convection: Lattice Boltzmann simulations using parallel libraries. <i>International Journal of Heat and Mass Transfer</i> , 2018, 116, 715-724.	2.5	13
49	Lattice Boltzmann method based study of the heat transfer augmentation associated with Cu/water nanofluid in a channel with surface mounted blocks. <i>International Journal of Heat and Mass Transfer</i> , 2018, 117, 425-435.	2.5	66
50	Thermal conductivity and viscosity models of metallic oxides nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2018, 116, 1314-1325.	2.5	185
51	Experimental study on the effect of perforations shapes on vertical heated fins performance under forced convection heat transfer. <i>International Journal of Heat and Mass Transfer</i> , 2018, 118, 832-846.	2.5	68
52	Emulsifier-free Water-in-Diesel emulsion fuel: Its stability behaviour, engine performance and exhaust emission. <i>Fuel</i> , 2018, 215, 454-462.	3.4	95
53	Experimental investigation of conduction and convection heat transfer properties of a novel nanofluid based on carbon quantum dots. <i>International Communications in Heat and Mass Transfer</i> , 2018, 90, 85-92.	2.9	24
54	Forced convection of nanofluids in an extended surfaces channel using lattice Boltzmann method. <i>International Journal of Heat and Mass Transfer</i> , 2018, 117, 1291-1303.	2.5	114

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55	A comprehensive study on heat transfer enhancement in microchannel heat sink with secondary channel. <i>International Communications in Heat and Mass Transfer</i> , 2018, 99, 62-81.	2.9	87
56	Flat electroencephalographyâ€™s cluster centers movement tracking during epileptic seizure. <i>AIP Conference Proceedings</i> , 2018, . .	0.3	0
57	Nano-additives incorporated water in diesel emulsion fuel: Fuel properties, performance and emission characteristics assessment. <i>Energy Conversion and Management</i> , 2018, 169, 291-314.	4.4	86
58	Thermal analysis of cellulose nanocrystal-ethylene glycol nanofluid coolant. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 173-181.	2.5	23
59	Ground boundary layers effect on aerodynamic coefficients of a compound wing with respect to design parameters. <i>Ocean Engineering</i> , 2018, 164, 228-237.	1.9	5
60	Combustion performance and exhaust emissions fuelled with non-surfactant water-in-diesel emulsion fuel made from different water sources. <i>Environmental Science and Pollution Research</i> , 2018, 25, 24266-24280.	2.7	8
61	Solar Radiation Forecast Using Cloud Velocity for Photovoltaic Systems. <i>Journal of Engineering and Technological Sciences</i> , 2018, 50, 479-492.	0.3	1
62	Heat transfer augmentation in a microchannel heat sink with sinusoidal cavities and rectangular ribs. <i>International Journal of Heat and Mass Transfer</i> , 2017, 108, 1969-1981.	2.5	179
63	Experimental investigation and development of new correlations for heat transfer enhancement and friction factor of BioGlycol/water based TiO ₂ nanofluids in flat tubes. <i>International Journal of Heat and Mass Transfer</i> , 2017, 108, 1026-1035.	2.5	48
64	An experimental investigation on the effect of Al ₂ O ₃ /distilled water nanofluid on the energy efficiency of evacuated tube solar collector. <i>International Journal of Heat and Mass Transfer</i> , 2017, 108, 972-987.	2.5	112
65	The effect of combustion management on diesel engine emissions fueled with biodiesel-diesel blends. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 73, 307-331.	8.2	101
66	Heat transfer augmentation in concentric elliptic annular by ethylene glycol based nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2017, 82, 29-39.	2.9	25
67	A review on the use of carbon nanotubes nanofluid for energy harvesting system. <i>International Journal of Heat and Mass Transfer</i> , 2017, 111, 782-794.	2.5	63
68	Effects of biodiesel fuel obtained from <i>Salvia macrosiphon</i> oil (ultrasonic-assisted) on performance and emissions of diesel engine. <i>Energy</i> , 2017, 131, 289-296.	4.5	27
69	Performance of copper oxide/distilled water nanofluid in evacuated tube solar collector (ETSC) water heater with internal coil under thermosyphon system circulations. <i>Applied Thermal Engineering</i> , 2017, 121, 520-536.	3.0	98
70	Recent development on biodegradable nanolubricant: A review. <i>International Communications in Heat and Mass Transfer</i> , 2017, 86, 159-165.	2.9	54
71	Heat and mass transfer characteristics of carbon nanotube nanofluids: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 80, 914-941.	8.2	92
72	The effect of manifold zone parameters on hydrothermal performance of micro-channel HeatSink: A review. <i>International Journal of Heat and Mass Transfer</i> , 2017, 109, 1143-1161.	2.5	59

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73	Recent progress on the application of nanofluids in minimum quantity lubrication machining: A review. <i>International Journal of Heat and Mass Transfer</i> , 2017, 108, 79-89.	2.5	135
74	An overview of passive techniques for heat transfer augmentation in microchannel heat sink. <i>International Communications in Heat and Mass Transfer</i> , 2017, 88, 74-83.	2.9	150
75	Factors affecting the performance of hybrid nanofluids: A comprehensive review. <i>International Journal of Heat and Mass Transfer</i> , 2017, 115, 630-646.	2.5	128
76	A review on preparation methods, stability and applications of hybrid nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 80, 1112-1122.	8.2	267
77	Numerical simulation of fluid flow and heat transfer in rotating channels using parallel lattice Boltzmann method. <i>International Journal of Heat and Mass Transfer</i> , 2017, 115, 158-168.	2.5	11
78	An overview of current status of cutting fluids and cooling techniques of turning hard steel. <i>International Journal of Heat and Mass Transfer</i> , 2017, 114, 380-394.	2.5	116
79	Heat transfer enhancement in microchannel heat sink using hybrid technique of ribs and secondary channels. <i>International Journal of Heat and Mass Transfer</i> , 2017, 114, 640-655.	2.5	107
80	Hydrothermal performance of microchannel heat sink: The effect of channel design. <i>International Journal of Heat and Mass Transfer</i> , 2017, 107, 21-44.	2.5	136
81	Simulation of natural convection and entropy generation of non-Newtonian nanofluid in an inclined cavity using Buongiorno's mathematical model (Part II, entropy generation). <i>Powder Technology</i> , 2017, 305, 679-703.	2.1	65
82	Recent advancement of nanofluids in engine cooling system. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 75, 137-144.	8.2	68
83	A DETAILED STUDY OF EFFECTS OF ROW TRENCHED HOLES AT THE COMBUSTOR EXIT ON FILM COOLING EFFECTIVENESS. <i>Journal of the Serbian Society for Computational Mechanics</i> , 2017, 11, 59-68.	0.2	0
84	EXPERIMENTAL AND NUMERICAL INVESTIGATION OF HEAT TRANSFER AUGMENTATION USING Al_2O_3 -ETHYLENE GLYCOL NANOFUIDS UNDER TURBULENT FLOWS IN A FLAT TUBE. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.3	0
85	Assessment of Outdoor Thermal Comfort and Wind Characteristics at Three Different Locations in Peninsular Malaysia. <i>MATEC Web of Conferences</i> , 2016, 47, 04005.	0.1	6
86	Influence of micro-pits on sliding motion under low speeds for block-on-disk tribotester. <i>Particulate Science and Technology</i> , 2016, 34, 754-763.	1.1	4
87	The effects of nanolubricants on boiling and two phase flow phenomena: A review. <i>International Communications in Heat and Mass Transfer</i> , 2016, 75, 197-205.	2.9	11
88	Experimental study on thermal performance of MWCNT nanocoolant in Perodua Kelisa 1000cc radiator system. <i>International Communications in Heat and Mass Transfer</i> , 2016, 76, 156-161.	2.9	54
89	Micro Combined Heat and Power to provide heat and electrical power using biomass and Gamma-type Stirling engine. <i>Applied Thermal Engineering</i> , 2016, 103, 1460-1469.	3.0	50
90	Thermal performance enhancement of flat-plate and evacuated tube solar collectors using nanofluid: A review. <i>International Communications in Heat and Mass Transfer</i> , 2016, 76, 6-15.	2.9	91

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91	A review on why researchers apply external magnetic field on nanofluids. International Communications in Heat and Mass Transfer, 2016, 78, 60-67.	2.9	103
92	Recent progress on hybrid nanofluids in heat transfer applications: A comprehensive review. International Communications in Heat and Mass Transfer, 2016, 78, 68-79.	2.9	313
93	A review of the impact of preparation on stability of carbon nanotube nanofluids. International Communications in Heat and Mass Transfer, 2016, 78, 253-263.	2.9	63
94	An overview of boundary implementation in lattice Boltzmann method for computational heat and mass transfer. International Communications in Heat and Mass Transfer, 2016, 78, 1-12.	2.9	40
95	An experimental determination of thermal conductivity and viscosity of BioGlycol/water based TiO ₂ nanofluids. International Communications in Heat and Mass Transfer, 2016, 77, 22-32.	2.9	74
96	Experimental investigation and development of new correlation for thermal conductivity and viscosity of BioGlycol/water based SiO ₂ nanofluids. International Communications in Heat and Mass Transfer, 2016, 77, 54-63.	2.9	47
97	Experimental investigation of combustion, emissions and thermal balance of secondary butyl alcohol-gasoline blends in a spark ignition engine. Energy Conversion and Management, 2016, 123, 1-14.	4.4	50
98	Design Parametric Study of a Compound Wing-in-Ground Effect. I: Aerodynamics Performance. Journal of Aerospace Engineering, 2016, 29, 04015022.	0.8	3
99	Malaysia's stand on municipal solid waste conversion to energy: A review. Renewable and Sustainable Energy Reviews, 2016, 58, 1007-1016.	8.2	96
100	Magnetoviscous effect and thermomagnetic convection of magnetic fluid: A review. Renewable and Sustainable Energy Reviews, 2016, 55, 1030-1040.	8.2	63
101	Latest development on computational approaches for nanofluid flow modeling: Navier–Stokes based multiphase models. International Communications in Heat and Mass Transfer, 2016, 74, 114-124.	2.9	36
102	The significant effect of turbulence characteristics on heat transfer enhancement using nanofluids: A comprehensive review. International Communications in Heat and Mass Transfer, 2016, 72, 39-47.	2.9	12
103	Effect of Addition of Tertiary-Butyl Hydroquinone into Palm Oil to Reduce Wear and Friction Using Four-Ball Tribotester. Tribology Transactions, 2016, 59, 883-888.	1.1	28
104	An experimental determination of thermal conductivity and electrical conductivity of bio glycol based Al ₂ O ₃ nanofluids and development of new correlation. International Communications in Heat and Mass Transfer, 2016, 73, 75-83.	2.9	79
105	Design Parametric Study of a Compound Wing-in-Ground Effect. II: Aerodynamics Coefficients. Journal of Aerospace Engineering, 2016, 29, 04015023.	0.8	2
106	MATERIALS SELECTION FOR HIP PROSTHESIS BY THE METHOD OF WEIGHTED PROPERTIES. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.3	3
107	TURBULENT-FORCED CONVECTIVE HEAT TRANSFER AND PRESSURE DROP ANALYSIS OF FE ₃ O ₄ MAGNETIC NANOFUID IN A CIRCULAR MICROCHANNEL. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.3	0
108	PERFORMANCE ANALYSIS OF NANOREFRIGERANTS IN HEATED AND ROTATING CONCENTRIC AND ECCENTRIC ANNULUS CYLINDERS. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.3	4

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109	NATURAL CONVECTION OF ALUMINIUM OXIDE-WATER NANOFLUID. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rBT /Overlo 0.3	0.3	3
110	A NUMERICAL STUDY OF HEAT TRANSFER TO TURBULENT SEPARATION NANOFLUID FLOW IN AN ANNULAR PASSAGE. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.3	3
111	An investigation of urban boundary layer towards achieving similarity criteria in a short wind tunnel. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012024.	0.3	0
112	Numerical investigation on heat transfer and friction factor characteristics of laminar and turbulent flow in an elliptic annulus utilizing nanofluid. International Communications in Heat and Mass Transfer, 2015, 66, 148-157.	2.9	22
113	Recent progress on lattice Boltzmann simulation of nanofluids: A review. International Communications in Heat and Mass Transfer, 2015, 66, 11-22.	2.9	29
114	Numerical Prediction of Nanofluid Flow in Channel with Heated Cavity. Journal of Computational and Theoretical Nanoscience, 2015, 12, 2442-2447.	0.4	1
115	Assisted and Opposed Mixed Convective Nanofluids Flow Over Vertical Backward Facing Step Having a Baffle. Journal of Computational and Theoretical Nanoscience, 2015, 12, 2048-2061.	0.4	0
116	Measurements and correlations of frictional pressure drop of TiO ₂ /R123 flow boiling inside a horizontal smooth tube. International Communications in Heat and Mass Transfer, 2015, 61, 42-48.	2.9	20
117	Imposition of the no-slip boundary condition via modified equilibrium distribution function in lattice Boltzmann method. International Communications in Heat and Mass Transfer, 2015, 62, 33-36.	2.9	3
118	Forced, natural and mixed-convection heat transfer and fluid flow in annulus: A review. International Communications in Heat and Mass Transfer, 2015, 62, 45-57.	2.9	111
119	The effect of temperature and particles concentration on the determination of thermo and physical properties of SWCNT-nanorefrigerant. International Communications in Heat and Mass Transfer, 2015, 67, 8-13.	2.9	36
120	Formation and Breakup Patterns of Falling Droplets. Numerical Heat Transfer; Part A: Applications, 2015, 68, 1023-1030.	1.2	1
121	Analysis of the Applicability of the Lattice Boltzmann Method in Targeting a Chaotic Flame Front Model. Numerical Heat Transfer; Part A: Applications, 2015, 67, 597-603.	1.2	4
122	Analysis of the Curvature Field of a Density-Driven Convective Flow. Numerical Heat Transfer; Part A: Applications, 2015, 67, 589-596.	1.2	0
123	Experimental and numerical study of thermo-hydraulic performance of circumferentially ribbed tube with Al ₂ O ₃ nanofluid. International Communications in Heat and Mass Transfer, 2015, 69, 34-40.	2.9	19
124	Nanorefrigerant effects in heat transfer performance and energy consumption reduction: A review. International Communications in Heat and Mass Transfer, 2015, 69, 76-83.	2.9	40
125	Numerical Study of Turbulent Mixed Convection of Nanofluids in Three-Dimensional Horizontal Concentric Annuli. Journal of Computational and Theoretical Nanoscience, 2015, 12, 2067-2076.	0.4	2
126	Applications of nanorefrigerant and nanolubricants in refrigeration, air-conditioning and heat pump systems: A review. International Communications in Heat and Mass Transfer, 2015, 68, 91-97.	2.9	64

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127	A review on the application of nanofluids in vehicle engine cooling system. International Communications in Heat and Mass Transfer, 2015, 68, 85-90.	2.9	144
128	Static Stability and Ground Viscous Effect of a Compound Wing Configuration with Respect to Reynolds Number. Advances in Mechanical Engineering, 2015, 6, 685410-685410.	0.8	1
129	NANOFUIDS HEAT TRANSFER ENHANCEMENT THROUGH STRAIGHT CHANNEL UNDER TURBULENT FLOW. International Journal of Automotive and Mechanical Engineering, 2015, 11, 2294-2305.	0.5	26
130	Reynolds Numberâ€“Strouhal Number Relationship for Cylindrical Bluff Body with Variation of Aspect Ratio in High Reynolds Number. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.3	0
131	Aerodynamic Behavior of a Compound Wing Configuration in Ground Effect. Jurnal Teknologi (Sciences and Engineering), 2014, 66, .	0.3	1
132	Film Cooling Effectiveness in a Gas Turbine Engine: A Review. Jurnal Teknologi (Sciences and Engineering), 2014, 66, .	0.3	4
133	Static Stability of a Compound Wing Configuration in Ground Effect. Jurnal Teknologi (Sciences and Engineering), 2014, 66, .	0.3	0
134	Measurement of Film Effectiveness for Cylindrical and Row Trenched Cooling Holes at Different Blowing Ratios. Numerical Heat Transfer; Part A: Applications, 2014, 66, 1154-1171.	1.2	4
135	Experimental Aerodynamic Characteristics of a Compound Wing in Ground Effect. Journal of Fluids Engineering, Transactions of the ASME, 2014, 136, .	0.8	3
136	The Use of Thermal Lattice Boltzmann Numerical Scheme for Particle-Laden Channel Flow with a Cavity. Numerical Heat Transfer; Part A: Applications, 2014, 66, 433-448.	1.2	4
137	Application of the Lattice Boltzmann Method for Fluid Flow around Complex Geometry. Applied Mechanics and Materials, 2014, 554, 230-235.	0.2	0
138	Simulation of Flow over a Cavity Using Multi-Relaxation Time Thermal Lattice Boltzmann Method. Applied Mechanics and Materials, 2014, 554, 296-300.	0.2	1
139	The Effect of Blowing Ratio on Film Cooling Effectiveness Using Cylindrical and Row Trenched Cooling Holes with Alignment Angle of 90 Degrees. Mathematical Problems in Engineering, 2014, 2014, 1-9.	0.6	1
140	A comprehensive review of fundamentals, preparation and applications of nanorefrigerants. International Communications in Heat and Mass Transfer, 2014, 54, 81-95.	2.9	52
141	Eulerianâ€“Lagrangian Numerical Scheme for Contaminant Removal from Different Cavity Shapes. Arabian Journal for Science and Engineering, 2014, 39, 3181-3189.	1.1	2
142	A review on preparation methods and challenges of nanofluids. International Communications in Heat and Mass Transfer, 2014, 54, 115-125.	2.9	228
143	Heat transfer augmentation in the straight channel by using nanofluids. Case Studies in Thermal Engineering, 2014, 3, 59-67.	2.8	31
144	Computational Investigation of Film Cooling from Cylindrical and Row Trenched Cooling Holes near the Combustor End Wall. Applied Mechanics and Materials, 2014, 554, 225-229.	0.2	1

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145	Natural convection heat transfer in horizontal concentric annulus between outer cylinder and inner flat tube using nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2014, 57, 65-71.	2.9	21
146	Influence of particle concentration and temperature on the thermophysical properties of CuO/R134a nanorefrigerant. <i>International Communications in Heat and Mass Transfer</i> , 2014, 58, 79-84.	2.9	49
147	Computational investigation of film cooling from cylindrical and row trenched cooling holes near the combustor endwall. <i>Case Studies in Thermal Engineering</i> , 2014, 4, 76-84.	2.8	2
148	Lattice Boltzmann method for convective heat transfer of nanofluids – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 38, 864-875.	8.2	43
149	Mathematical correlations on factors affecting the thermal conductivity and dynamic viscosity of nanorefrigerants. <i>International Communications in Heat and Mass Transfer</i> , 2014, 58, 125-131.	2.9	23
150	A review on the flow structure and pollutant dispersion in urban street canyons for urban planning strategies. <i>Simulation</i> , 2014, 90, 892-916.	1.1	57
151	Fluid flow and heat transfer characteristics of nanofluids in heat pipes: A review. <i>International Communications in Heat and Mass Transfer</i> , 2014, 56, 50-62.	2.9	78
152	The effect of mixed convection on particle laden flow analysis in a cavity using a Lattice Boltzmann method. <i>Computers and Mathematics With Applications</i> , 2014, 67, 52-61.	1.4	12
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