

Nor Azwadi Bin Che Sidik

List of Publications by Year in descending order

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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	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
2	A review on preparation methods, stability and applications of hybrid nanofluids. Renewable and Sustainable Energy Reviews, 2017, 80, 1112-1122.	8.2	267
3	A review on preparation methods and challenges of nanofluids. International Communications in Heat and Mass Transfer, 2014, 54, 115-125.	2.9	228
4	Alcohol and ether as alternative fuels in spark ignition engine: A review. Renewable and Sustainable Energy Reviews, 2018, 82, 2586-2605.	8.2	215
5	Thermal conductivity and viscosity models of metallic oxides nanofluids. International Journal of Heat and Mass Transfer, 2018, 116, 1314-1325.	2.5	185
6	Heat transfer augmentation in a microchannel heat sink with sinusoidal cavities and rectangular ribs. International Journal of Heat and Mass Transfer, 2017, 108, 1969-1981.	2.5	179
7	Impact of different surfactants and ultrasonication time on the stability and thermophysical properties of hybrid nanofluids. International Communications in Heat and Mass Transfer, 2020, 110, 104389.	2.9	165
8	An overview of passive techniques for heat transfer augmentation in microchannel heat sink. International Communications in Heat and Mass Transfer, 2017, 88, 74-83.	2.9	150
9	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
10	Hydrothermal performance of microchannel heat sink: The effect of channel design. International Journal of Heat and Mass Transfer, 2017, 107, 21-44.	2.5	136
11	Recent progress on the application of nanofluids in minimum quantity lubrication machining: A review. International Journal of Heat and Mass Transfer, 2017, 108, 79-89.	2.5	135
12	Factors affecting the performance of hybrid nanofluids: A comprehensive review. International Journal of Heat and Mass Transfer, 2017, 115, 630-646.	2.5	128
13	An overview of current status of cutting fluids and cooling techniques of turning hard steel. International Journal of Heat and Mass Transfer, 2017, 114, 380-394.	2.5	116
14	Forced convection of nanofluids in an extended surfaces channel using lattice Boltzmann method. International Journal of Heat and Mass Transfer, 2018, 117, 1291-1303.	2.5	114
15	Experimental investigation of energy storage properties and thermal conductivity of a novel organic phase change material/MXene as A new class of nanocomposites. Journal of Energy Storage, 2020, 27, 101115.	3.9	113
16	An experimental investigation on the effect of Al ₂ O ₃ /distilled water nanofluid on the energy efficiency of evacuated tube solar collector. International Journal of Heat and Mass Transfer, 2017, 108, 972-987.	2.5	112
17	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
18	Heat transfer enhancement in microchannel heat sink using hybrid technique of ribs and secondary channels. International Journal of Heat and Mass Transfer, 2017, 114, 640-655.	2.5	107

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19	Experimental evaluation of palm oil as lubricant in cold forward extrusion process. International Journal of Mechanical Sciences, 2011, 53, 549-555.	3.6	105
20	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
21	The effect of combustion management on diesel engine emissions fueled with biodiesel-diesel blends. Renewable and Sustainable Energy Reviews, 2017, 73, 307-331.	8.2	101
22	Performance of copper oxide/distilled water nanofluid in evacuated tube solar collector (ETSC) water heater with internal coil under thermosyphon system circulations. Applied Thermal Engineering, 2017, 121, 520-536.	3.0	98
23	Malaysia's stand on municipal solid waste conversion to energy: A review. Renewable and Sustainable Energy Reviews, 2016, 58, 1007-1016.	8.2	96
24	Emulsifier-free Water-in-Diesel emulsion fuel: Its stability behaviour, engine performance and exhaust emission. Fuel, 2018, 215, 454-462.	3.4	95
25	Heat and mass transfer characteristics of carbon nanotube nanofluids: A review. Renewable and Sustainable Energy Reviews, 2017, 80, 914-941.	8.2	92
26	Thermal performance enhancement of flat-plate and evacuated tube solar collectors using nanofluid: A review. International Communications in Heat and Mass Transfer, 2016, 76, 6-15.	2.9	91
27	A comprehensive study on heat transfer enhancement in microchannel heat sink with secondary channel. International Communications in Heat and Mass Transfer, 2018, 99, 62-81.	2.9	87
28	Nano-additives incorporated water in diesel emulsion fuel: Fuel properties, performance and emission characteristics assessment. Energy Conversion and Management, 2018, 169, 291-314.	4.4	86
29	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
30	Study on friction and wear of Cellulose Nanocrystal (CNC) nanoparticle as lubricating additive in engine oil. International Journal of Heat and Mass Transfer, 2019, 131, 1196-1204.	2.5	79
31	Fluid flow and heat transfer characteristics of nanofluids in heat pipes: A review. International Communications in Heat and Mass Transfer, 2014, 56, 50-62.	2.9	78
32	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
33	Recent advancement of nanofluids in engine cooling system. Renewable and Sustainable Energy Reviews, 2017, 75, 137-144.	8.2	68
34	Experimental study on the effect of perforations shapes on vertical heated fins performance under forced convection heat transfer. International Journal of Heat and Mass Transfer, 2018, 118, 832-846.	2.5	68
35	Lattice Boltzmann method based study of the heat transfer augmentation associated with Cu/water nanofluid in a channel with surface mounted blocks. International Journal of Heat and Mass Transfer, 2018, 117, 425-435.	2.5	66
36	Recent state of nanofluid in automobile cooling systems. Journal of Thermal Analysis and Calorimetry, 2019, 135, 981-1008.	2.0	66

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37	A Review on the Application of the Lattice Boltzmann Method for Turbulent Flow Simulation. Numerical Heat Transfer; Part A: Applications, 2013, 64, 938-953.	1.2	65
38	Simulation of natural convection and entropy generation of non-Newtonian nanofluid in an inclined cavity using Buongiorno's mathematical model (Part II, entropy generation). Powder Technology, 2017, 305, 679-703.	2.1	65
39	Performance enhancement of cold thermal energy storage system using nanofluid phase change materials: A review. International Communications in Heat and Mass Transfer, 2018, 94, 85-95.	2.9	65
40	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
41	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
42	Magnetoviscous effect and thermomagnetic convection of magnetic fluid: A review. Renewable and Sustainable Energy Reviews, 2016, 55, 1030-1040.	8.2	63
43	A review on the use of carbon nanotubes nanofluid for energy harvesting system. International Journal of Heat and Mass Transfer, 2017, 111, 782-794.	2.5	63
44	The effect of manifold zone parameters on hydrothermal performance of micro-channel HeatSink: A review. International Journal of Heat and Mass Transfer, 2017, 109, 1143-1161.	2.5	59
45	Biolubricant production from palm stearin through enzymatic transesterification method. Biochemical Engineering Journal, 2019, 148, 178-184.	1.8	59
46	Experimental investigation on stability, thermal conductivity and rheological properties of rGO/ethylene glycol based nanofluids. International Journal of Heat and Mass Transfer, 2020, 150, 118981.	2.5	59
47	A review on the flow structure and pollutant dispersion in urban street canyons for urban planning strategies. Simulation, 2014, 90, 892-916.	1.1	57
48	Significance of alumina in nanofluid technology. Journal of Thermal Analysis and Calorimetry, 2019, 138, 1107-1126.	2.0	55
49	Simulation of natural convection heat transfer in an enclosure by the lattice-Boltzmann method. Computers and Fluids, 2011, 44, 162-168.	1.3	54
50	Experimental study on thermal performance of MWCNT nanocoolant in Perodua Kelisa 1000cc radiator system. International Communications in Heat and Mass Transfer, 2016, 76, 156-161.	2.9	54
51	Recent development on biodegradable nanolubricant: A review. International Communications in Heat and Mass Transfer, 2017, 86, 159-165.	2.9	54
52	A comprehensive review of fundamentals, preparation and applications of nanorefrigerants. International Communications in Heat and Mass Transfer, 2014, 54, 81-95.	2.9	52
53	Micro Combined Heat and Power to provide heat and electrical power using biomass and Gamma-type Stirling engine. Applied Thermal Engineering, 2016, 103, 1460-1469.	3.0	50
54	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

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55	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
56	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
57	Experimental investigation and development of new correlation for thermal conductivity and viscosity of BioGlycol/water based SiO ₂ nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016, 77, 54-63.	2.9	47
58	Nanofluids for flat plate solar collectors: Fundamentals and applications. <i>Journal of Cleaner Production</i> , 2021, 291, 125725.	4.6	47
59	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
60	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
61	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
62	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
63	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
64	Adaptive-Network-Based Fuzzy Inference System Analysis to Predict the Temperature and Flow Fields in a Lid-Driven Cavity. <i>Numerical Heat Transfer; Part A: Applications</i> , 2013, 63, 906-920.	1.2	40
65	Nanorefrigerant effects in heat transfer performance and energy consumption reduction: A review. <i>International Communications in Heat and Mass Transfer</i> , 2015, 69, 76-83.	2.9	40
66	An overview of boundary implementation in lattice Boltzmann method for computational heat and mass transfer. <i>International Communications in Heat and Mass Transfer</i> , 2016, 78, 1-12.	2.9	40
67	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
68	The effect of temperature and particles concentration on the determination of thermo and physical properties of SWCNT-nanorefrigerant. <i>International Communications in Heat and Mass Transfer</i> , 2015, 67, 8-13.	2.9	36
69	Latest development on computational approaches for nanofluid flow modeling: Navier–Stokes based multiphase models. <i>International Communications in Heat and Mass Transfer</i> , 2016, 74, 114-124.	2.9	36
70	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
71	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
72	Heat transfer augmentation in the straight channel by using nanofluids. <i>Case Studies in Thermal Engineering</i> , 2014, 3, 59-67.	2.8	31

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73	SIMPLIFIED THERMAL LATTICE BOLTZMANN IN INCOMPRESSIBLE LIMIT. International Journal of Modern Physics B, 2006, 20, 2437-2449.	1.0	30
74	Graphene nanoplatelets and few-layer graphene studies in thermo-physical properties and particle characterization. Journal of Thermal Analysis and Calorimetry, 2019, 135, 1081-1093.	2.0	30
75	Recent progress on lattice Boltzmann simulation of nanofluids: A review. International Communications in Heat and Mass Transfer, 2015, 66, 11-22.	2.9	29
76	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
77	Effects of biodiesel fuel obtained from Salvia macrosiphon oil (ultrasonic-assisted) on performance and emissions of diesel engine. Energy, 2017, 131, 289-296.	4.5	27
78	Experimental Assessment of a Novel Eutectic Binary Molten Salt-based Hexagonal Boron Nitride Nanocomposite as a Promising PCM with Enhanced Specific Heat Capacity. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 2020, 68, 73-85.	0.3	27
79	NANOFUIDS HEAT TRANSFER ENHANCEMENT THROUGH STRAIGHT CHANNEL UNDER TURBULENT FLOW. International Journal of Automotive and Mechanical Engineering, 2015, 11, 2294-2305.	0.5	26
80	THREE-DIMENSIONAL THERMAL LATTICE BOLTZMANN SIMULATION OF NATURAL CONVECTION IN A CUBIC CAVITY. International Journal of Modern Physics B, 2007, 21, 87-96.	1.0	25
81	Heat transfer augmentation in concentric elliptic annular by ethylene glycol based nanofluids. International Communications in Heat and Mass Transfer, 2017, 82, 29-39.	2.9	25
82	Improved thermo-physical properties and energy efficiency of hybrid PCM/graphene-silver nanocomposite in a hybrid CPV/thermal solar system. Journal of Thermal Analysis and Calorimetry, 2022, 147, 1125-1142.	2.0	25
83	Experimental investigation of conduction and convection heat transfer properties of a novel nanofluid based on carbon quantum dots. International Communications in Heat and Mass Transfer, 2018, 90, 85-92.	2.9	24
84	Simulation of forced convection in a channel with nanofluid by the lattice Boltzmann method. Nanoscale Research Letters, 2013, 8, 178.	3.1	23
85	Mathematical correlations on factors affecting the thermal conductivity and dynamic viscosity of nanorefrigerants. International Communications in Heat and Mass Transfer, 2014, 58, 125-131.	2.9	23
86	Thermal analysis of cellulose nanocrystal-ethylene glycol nanofluid coolant. International Journal of Heat and Mass Transfer, 2018, 127, 173-181.	2.5	23
87	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
88	Natural convection heat transfer in horizontal concentric annulus between outer cylinder and inner flat tube using nanofluid. International Communications in Heat and Mass Transfer, 2014, 57, 65-71.	2.9	21
89	Optimization of Thermal Conductivity of NanoPCM-Based Graphene by Response Surface Methodology. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 2020, 75, 108-125.	0.3	21
90	Recent progress on the application of nanofluids and hybrid nanofluids in machining: a comprehensive review. International Journal of Advanced Manufacturing Technology, 2022, 121, 1455-1481.	1.5	21

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91	Numerical Investigation on Aerodynamic Characteristics of a Compound Wing-in-Ground Effect. <i>Journal of Aircraft</i> , 2012, 49, 1297-1305.	1.7	20
92	Measurements and correlations of frictional pressure drop of TiO ₂ /R123 flow boiling inside a horizontal smooth tube. <i>International Communications in Heat and Mass Transfer</i> , 2015, 61, 42-48.	2.9	20
93	SIMPLIFIED FINITE DIFFERENCE THERMAL LATTICE BOLTZMANN METHOD. <i>International Journal of Modern Physics B</i> , 2008, 22, 3865-3876.	1.0	19
94	Experimental and numerical study of thermo-hydraulic performance of circumferentially ribbed tube with Al ₂ O ₃ nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2015, 69, 34-40.	2.9	19
95	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
96	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
97	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
98	The significant effect of turbulence characteristics on heat transfer enhancement using nanofluids: A comprehensive review. <i>International Communications in Heat and Mass Transfer</i> , 2016, 72, 39-47.	2.9	12
99	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
100	The use of cubic interpolation method for transient hydrodynamics of solid particles. <i>International Journal of Engineering Science</i> , 2012, 51, 90-103.	2.7	11
101	Regularized Lattice Boltzmann Simulation of Laminar Mixed Convection in the Entrance Region of 2-D Channels. <i>Numerical Heat Transfer; Part A: Applications</i> , 2013, 63, 867-878.	1.2	11
102	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
103	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
104	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
105	Virtual Study of Natural Convection Heat Transfer in an Inclined Square Cavity. <i>Journal of Applied Sciences</i> , 2010, 10, 331-336.	0.1	11
106	Numerical Simulation of Natural Convection in an Inclined Square Cavity. <i>Journal of Applied Sciences</i> , 2011, 11, 373-378.	0.1	11
107	Excellent Properties of Dimer Fatty Acid Esters as Biolubricant Produced by Catalyst- and Solvent-Free Esterification. <i>European Journal of Lipid Science and Technology</i> , 2019, 121, 1900228.	1.0	10
108	Numerical Investigation of Incompressible Fluid Flow through Porous Media in a Lid-Driven Square Cavity. <i>American Journal of Applied Sciences</i> , 2010, 7, 1341-1344.	0.1	9

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109	Numerical Investigation of Direct Absorption Solar Collector using Nanofluids: A Review. IOP Conference Series: Materials Science and Engineering, 0, 469, 012059.	0.3	9
110	Experimental investigation and optimization of loop heat pipe performance with nanofluids. Journal of Thermal Analysis and Calorimetry, 2021, 144, 1435-1449.	2.0	9
111	Thermodynamic analysis of flow field at the end of combustor simulator. International Journal of Heat and Mass Transfer, 2013, 61, 389-396.	2.5	8
112	Combustion performance and exhaust emissions fuelled with non-surfactant water-in-diesel emulsion fuel made from different water sources. Environmental Science and Pollution Research, 2018, 25, 24266-24280.	2.7	8
113	Mesoscale Numerical Prediction of Fluid Flow in a Shear Driven Cavity. Arabian Journal for Science and Engineering, 2012, 37, 1723-1735.	1.1	7
114	Wake behind a Compound Wing in Ground Effect. Journal of Marine Science and Engineering, 2020, 8, 156.	1.2	7
115	Uncertainty of Temperature measured by Thermocouple. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 2020, 68, 54-62.	0.3	7
116	Numerical prediction of dynamics of solid particle in lid-driven cavity flow. AIP Conference Proceedings, 2012, , .	0.3	6
117	Assessment of Outdoor Thermal Comfort and Wind Characteristics at Three Different Locations in Peninsular Malaysia. MATEC Web of Conferences, 2016, 47, 04005.	0.1	6
118	Hybrid nanocoolant for enhanced heat transfer performance in vehicle cooling system. International Communications in Heat and Mass Transfer, 2022, 133, 105922.	2.9	6
119	The Influences of the Die Half Angle of Taper Die During Cold Extrusion Process. Arabian Journal for Science and Engineering, 2013, 38, 1201-1207.	1.1	5
120	Numerical Analysis on the Effects of Cavity Geometry with Heat towards Contaminant Removal. Applied Mechanics and Materials, 0, 393, 851-856.	0.2	5
121	Prediction of Wind Flow around High-Rise Buildings Using RANS Models. Applied Mechanics and Materials, 0, 554, 724-729.	0.2	5
122	Computational Analysis of Nanofluids in Vehicle Radiator. Applied Mechanics and Materials, 0, 695, 539-543.	0.2	5
123	Ground boundary layers effect on aerodynamic coefficients of a compound wing with respect to design parameters. Ocean Engineering, 2018, 164, 228-237.	1.9	5
124	Numerical analysis on thermal and hydraulic performance of diverging-converging minichannel heat sink using Al ₂ O ₃ -H ₂ O nanofluid. IOP Conference Series: Materials Science and Engineering, 2019, 469, 012046.	0.3	5
125	Four-Sided Lid-Driven Cavity Flow using Time Splitting Method of Adams-Bashforth Scheme. International Journal of Automotive and Mechanical Engineering, 2014, 9, 1501-1510.	0.5	5
126	Plasticity Analysis of Pure Aluminium Extruded with an RBD Palm Olein Lubricant. Journal of Applied Sciences, 2009, 9, 3581-3586.	0.1	5

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127	The Effect of Tool Surface Roughness in Cold Work Extrusion. Journal of Applied Sciences, 2011, 11, 367-372.	0.1	5
128	A Least-Squares-Based Immersed Boundary Approach for Complex Boundaries in the Lattice Boltzmann Method. Numerical Heat Transfer, Part B: Fundamentals, 2013, 64, 407-419.	0.6	4
129	Film Cooling Effectiveness in a Gas Turbine Engine: A Review. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.3	4
130	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
131	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
132	Film-Cooling Techniques at the End of Combustor and Inlet of Turbine in a Gas Turbine Engine: A Review. Applied Mechanics and Materials, 0, 554, 236-240.	0.2	4
133	PERFORMANCE ANALYSIS OF NANOREFRIGERANTS IN HEATED AND ROTATING CONCENTRIC AND ECCENTRIC ANNULUS CYLINDERS. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.3	4
134	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
135	Influence of micro-pits on sliding motion under low speeds for block-on-disk tribotester. Particulate Science and Technology, 2016, 34, 754-763.	1.1	4
136	Numerical analysis for irreversible processes in a piston-cylinder system. International Journal of Heat and Mass Transfer, 2018, 124, 1097-1106.	2.5	4
137	Effect of surfactants on thermal conductivity of graphene based hybrid nanofluid. IOP Conference Series: Earth and Environmental Science, 2020, 463, 012122.	0.2	4
138	The Effect of Triangular Cavity Shape on the Hybrid Microchannel Heat Sink Performance. CFD Letters, 2020, 12, 1-14.	0.4	4
139	STUDY OF PLUME BEHAVIOUR TWO HEATED CYLINDERS AT HIGH RAYLEIGH NUMBER USING LATTICE BOLTZMANN METHOD. AIP Conference Proceedings, 2010, , .	0.3	3
140	Prediction of the Flow around a Surface-Mounted Cube Using Two-Equation Turbulence Models. Applied Mechanics and Materials, 0, 315, 438-442.	0.2	3
141	Experimental Aerodynamic Characteristics of a Compound Wing in Ground Effect. Journal of Fluids Engineering, Transactions of the ASME, 2014, 136, .	0.8	3
142	MATERIALS SELECTION FOR HIP PROSTHESIS BY THE METHOD OF WEIGHTED PROPERTIES. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.3	3
143	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
144	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

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145	Design Parametric Study of a Compound Wing-in-Ground Effect. I: Aerodynamics Performance. Journal of Aerospace Engineering, 2016, 29, 04015022.	0.8	3
146	Nano-enhanced phase change material effects on the supercooling degree improvement: A review. IOP Conference Series: Materials Science and Engineering, 0, 469, 012036.	0.3	3
147	Numerical investigation on melting of Phase Change Material (PCM) dispersed with various nanoparticles inside a square enclosure. IOP Conference Series: Materials Science and Engineering, 2019, 469, 012034.	0.3	3
148	Numerical analysis of irreversible processes in a piston-cylinder system using LB1S turbulence model. International Journal of Heat and Mass Transfer, 2019, 136, 730-739.	2.5	3
149	Erosion-corrosion effect of nanocoolant on actual car water pump. IOP Conference Series: Materials Science and Engineering, 2019, 469, 012039.	0.3	3
150	Dynamic Analysis of Flow Field at the End of Combustor Simulator. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50	0.3	3
151	Ground Viscous Effect on 3D Flow Structure of a Compound Wing-in-Ground Effect. International Journal of Automotive and Mechanical Engineering, 2014, 9, 1550-1563.	0.5	3
152	Simulation of Mixed Convection around a Square by Using LBM. Applied Mechanics and Materials, 0, 229-231, 2145-2149.	0.2	2
153	Thermodynamic Analysis of Flow Field at the End of Combustor Simulator. Applied Mechanics and Materials, 0, 225, 261-266.	0.2	2
154	Finite Difference and Cubic Interpolated Profile Lattice Boltzmann Method for Prediction of Two-Dimensional Lid-Driven Shallow Cavity Flow. Arabian Journal for Science and Engineering, 2012, 37, 1101-1110.	1.1	2
155	Numerical Investigation of Natural Convection of Nanofluids in L-Shaped Enclosures. Advanced Materials Research, 2013, 849, 391-396.	0.3	2
156	Numerical Prediction of Heat Transfer from Localized Heating in Enclosure Using CIP Method. Applied Mechanics and Materials, 0, 315, 512-516.	0.2	2
157	Numerical prediction of air flow within street canyons based on different two-equation $k-\mu$ models. IOP Conference Series: Materials Science and Engineering, 2013, 50, 012012.	0.3	2
158	Transient Removal of Contaminants in Cavity of Mixed Convection in a Channel by Constrained Interpolated Profile Method. Applied Mechanics and Materials, 0, 554, 312-316.	0.2	2
159	Numerical Simulation of Wind Flow Structures and Pollutant Dispersion within Street Canyon under Thermally Unstable Atmospheric Conditions. Applied Mechanics and Materials, 0, 554, 655-659.	0.2	2
160	Eulerian-Lagrangian Numerical Scheme for Contaminant Removal from Different Cavity Shapes. Arabian Journal for Science and Engineering, 2014, 39, 3181-3189.	1.1	2
161	Computational investigation of film cooling from cylindrical and row trenched cooling holes near the combustor endwall. Case Studies in Thermal Engineering, 2014, 4, 76-84.	2.8	2
162	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

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