Nor Azwadi Bin Che Sidik

List of Publications by Year in Descending Order

207 papers	5,064 citations	43 h-index	65 g-index
250 ext. papers	6,108 ext. citations	3.4 avg, IF	6.47 L-index

#	Paper	IF	Citations
207	Hybrid nanocoolant for enhanced heat transfer performance in vehicle cooling system. *International Communications in Heat and Mass Transfer*, **2022**, 133, 105922	5.8	1
206	Nanofluids for flat plate solar collectors: Fundamentals and applications. *Journal of Cleaner Production*, **2021**, 291, 125725	10.3	20
205	Experimental investigation and optimization of loop heat pipe performance with nanofluids. *Journal of Thermal Analysis and Calorimetry*, **2021**, 144, 1435-1449	4.1	3
204	Thermal Performance Analysis in Sinusoidal-Cavities-Ribs Microchannel Heat Sink with Secondary Channel Geometry for Low Pumping Power Application. *IOP Conference Series: Materials Science and Engineering*, **2020**, 884, 012087	0.4	2
203	Wake behind a Compound Wing in Ground Effect. *Journal of Marine Science and Engineering*, **2020**, 8, 156	2.4	2
202	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	4.9	38
201	Numerical investigation on melting of various nanoparticles enhanced phase change material inside a square enclosure. *IOP Conference Series: Earth and Environmental Science*, **2020**, 463, 012128	0.3	1
200	A review on preparation of nanocellulose for new green working fluid in heat transfer application. *IOP Conference Series: Earth and Environmental Science*, **2020**, 463, 012133	0.3	1
199	A comprehensive review of the influences of nanoparticles as a fuel additive in an internal combustion engine (ICE). *Nanotechnology Reviews*, **2020**, 9, 1326-1349	6.3	12
198	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	1.8	19
197	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	1.8	13
196	The Effect of Triangular Cavity Shape on the Hybrid Microchannel Heat Sink Performance. *CFD Letters*, **2020**, 12, 1-14	1.3	2
195	A review of passive methods in microchannel heat sink application through advanced geometric structure and nanofluids: Current advancements and challenges. *Nanotechnology Reviews*, **2020**, 9, 1192-1216	6.3	12
194	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	5.8	91
193	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	7.8	63
192	Review on numerical simulations for nano-enhanced phase change material (NEPCM) phase change process. *Journal of Thermal Analysis and Calorimetry*, **2020**, 141, 669-684	4.1	4
191	Revisiting tin melting for phase change model verification. *IOP Conference Series: Earth and Environmental Science*, **2020**, 463, 012123	0.3	

190	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*, **2020**, 1	4.1	9
189	Effect of surfactants on thermal conductivity of graphene based hybrid nanofluid. *IOP Conference Series: Earth and Environmental Science*, **2020**, 463, 012122	0.3	3
188	Delfim-Soares explicit time marching method for modelling of ultrasonic wave in microalgae pre-treatment. *IOP Conference Series: Earth and Environmental Science*, **2019**, 268, 012106	0.3	1
187	Energy equation of swirling flow in a cylindrical container. *International Communications in Heat and Mass Transfer*, **2019**, 108, 104288	5.8	
186	Thermal efficiency of a flat-plate solar collector filled with Pentaethylene Glycol-Treated Graphene Nanoplatelets: An experimental analysis. *Solar Energy*, **2019**, 191, 360-370	6.8	26
185	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	0.4	3
184	Biolubricant production from palm stearin through enzymatic transesterification method. *Biochemical Engineering Journal*, **2019**, 148, 178-184	4.2	31
183	Significance of alumina in nanofluid technology. *Journal of Thermal Analysis and Calorimetry*, **2019**, 138, 1107-1126	4.1	34
182	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	4.9	2
181	Numerical analysis on thermal and hydraulic performance of diverging-converging minichannel heat sink using Al2O3-H2O nanofluid. *IOP Conference Series: Materials Science and Engineering*, **2019**, 469, 012046	0.4	4
180	Numerical Investigation of Direct Absorption Solar Collector using Nanofluids: A Review. *IOP Conference Series: Materials Science and Engineering*, **2019**, 469, 012059	0.4	7
179	Erosion-corrosion effect of nanocoolant on actual car water pump. *IOP Conference Series: Materials Science and Engineering*, **2019**, 469, 012039	0.4	2
178	The effectiveness of secondary channel on the performance of hybrid microchannel heat sink at low pumping power. *IOP Conference Series: Materials Science and Engineering*, **2019**, 469, 012032	0.4	2
177	Recent state of nanofluid in automobile cooling systems. *Journal of Thermal Analysis and Calorimetry*, **2019**, 135, 981-1008	4.1	47
176	Graphene nanoplatelets and few-layer graphene studies in thermo-physical properties and particle characterization. *Journal of Thermal Analysis and Calorimetry*, **2019**, 135, 1081-1093	4.1	21
175	Nano-enhanced phase change material effects on the supercooling degree improvement: A review. *IOP Conference Series: Materials Science and Engineering*, **2019**, 469, 012036	0.4	1
174	Excellent Properties of Dimer Fatty Acid Esters as Biolubricant Produced by Catalyst- and Solvent-Free Esterification. *European Journal of Lipid Science and Technology*, **2019**, 121, 1900228	3	5
173	A Detailed Study of Row-Trenched Holes at the Combustor Exit on Film-Cooling Effectiveness. *Mechanics and Mechanical Engineering*, **2019**, 23, 246-252	0.9	

172	Natural convection heat transfer of nanofluid inside a cavity containing rough elements using lattice Boltzmann method. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019** , 29, 3659-3684	4.5	10
171	Thermophysical properties and stability of carbon nanostructures and metallic oxides nanofluids. *Journal of Thermal Analysis and Calorimetry*, **2019**, 135, 1545-1562	4.1	27
170	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	4.9	50
169	Recent progress on concentrating direct absorption solar collector using nanofluids. *Journal of Thermal Analysis and Calorimetry*, **2019**, 137, 903-922	4.1	26
168	An experimental study on characterization and properties of nano lubricant containing Cellulose Nanocrystal (CNC). *International Journal of Heat and Mass Transfer*, **2019**, 130, 1163-1169	4.9	22
167	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	5.8	48
166	Effects of different water percentages in non-surfactant emulsion fuel on performance and exhaust emissions of a light-duty truck. *Journal of Cleaner Production*, **2018**, 179, 559-566	10.3	32
165	Numerical analysis for irreversible processes in a piston-cylinder system. *International Journal of Heat and Mass Transfer*, **2018**, 124, 1097-1106	4.9	4
164	Outflow velocity for SIMPLE algorithm for unsteady forced convection flows with variable density. *International Communications in Heat and Mass Transfer*, **2018**, 92, 73-77	5.8	2
163	Alcohol and ether as alternative fuels in spark ignition engine: A review. *Renewable and Sustainable Energy Reviews*, **2018**, 82, 2586-2605	16.2	142
162	Numerical predictions of laminar and turbulent forced convection: Lattice Boltzmann simulations using parallel libraries. *International Journal of Heat and Mass Transfer*, **2018**, 116, 715-724	4.9	11
161	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	4.9	59
160	Thermal conductivity and viscosity models of metallic oxides nanofluids. *International Journal of Heat and Mass Transfer*, **2018**, 116, 1314-1325	4.9	137
159	Thermal analysis of cellulose nanocrystal-ethylene glycol nanofluid coolant. *International Journal of Heat and Mass Transfer*, **2018**, 127, 173-181	4.9	18
158	Ground boundary layers effect on aerodynamic coefficients of a compound wing with respect to design parameters. *Ocean Engineering*, **2018**, 164, 228-237	3.9	4
157	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	5.1	3
156	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	4.9	28
155	Emulsifier-free Water-in-Diesel emulsion fuel: Its stability behaviour, engine performance and exhaust emission. *Fuel*, **2018**, 215, 454-462	7.1	65

154	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	5.8	15
153	Forced convection of nanofluids in an extended surfaces channel using lattice Boltzmann method. *International Journal of Heat and Mass Transfer*, **2018**, 117, 1291-1303	4.9	96
152	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	5.8	45
151	Nano-additives incorporated water in diesel emulsion fuel: Fuel properties, performance and emission characteristics assessment. *Energy Conversion and Management*, **2018**, 169, 291-314	10.6	57
150	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	4.9	112
149	Experimental investigation and development of new correlations for heat transfer enhancement and friction factor of BioGlycol/water based TiO2 nanofluids in flat tubes. *International Journal of Heat and Mass Transfer*, **2017**, 108, 1026-1035	4.9	37
148	An experimental investigation on the effect of Al2O3/distilled water nanofluid on the energy efficiency of evacuated tube solar collector. *International Journal of Heat and Mass Transfer*, **2017**, 108, 972-987	4.9	75
147	The effect of combustion management on diesel engine emissions fueled with biodiesel-diesel blends. *Renewable and Sustainable Energy Reviews*, **2017**, 73, 307-331	16.2	79
146	Heat transfer augmentation in concentric elliptic annular by ethylene glycol based nanofluids. *International Communications in Heat and Mass Transfer*, **2017**, 82, 29-39	5.8	17
145	A review on the use of carbon nanotubes nanofluid for energy harvesting system. *International Journal of Heat and Mass Transfer*, **2017**, 111, 782-794	4.9	44
144	Effects of biodiesel fuel obtained from Salvia macrosiphon oil (ultrasonic-assisted) on performance and emissions of diesel engine. *Energy*, **2017**, 131, 289-296	7.9	24
143	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	5.8	71
142	Recent development on biodegradable nanolubricant: A review. *International Communications in Heat and Mass Transfer*, **2017**, 86, 159-165	5.8	40
141	Heat and mass transfer characteristics of carbon nanotube nanofluids: A review. *Renewable and Sustainable Energy Reviews*, **2017**, 80, 914-941	16.2	75
140	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	4.9	32
139	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	4.9	101
138	An overview of passive techniques for heat transfer augmentation in microchannel heat sink. *International Communications in Heat and Mass Transfer*, **2017**, 88, 74-83	5.8	81
137	Factors affecting the performance of hybrid nanofluids: A comprehensive review. *International Journal of Heat and Mass Transfer*, **2017**, 115, 630-646	4.9	90

136	A review on preparation methods, stability and applications of hybrid nanofluids. *Renewable and Sustainable Energy Reviews*, **2017**, 80, 1112-1122	16.2	189
135	Numerical simulation of fluid flow and heat transfer in rotating channels using parallel lattice Boltzmann method. *International Journal of Heat and Mass Transfer*, **2017**, 115, 158-168	4.9	9
134	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	4.9	83
133	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	4.9	59
132	Hydrothermal performance of microchannel heat sink: The effect of channel design. *International Journal of Heat and Mass Transfer*, **2017**, 107, 21-44	4.9	95
131	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	5.2	56
130	Recent advancement of nanofluids in engine cooling system. *Renewable and Sustainable Energy Reviews*, **2017**, 75, 137-144	16.2	41
129	Design Parametric Study of a Compound Wing-in-Ground Effect. II: Aerodynamics Coefficients. *Journal of Aerospace Engineering*, **2016**, 29, 04015023	1.4	1
128	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	5.8	33
127	An experimental determination of thermal conductivity and viscosity of BioGlycol/water based TiO2 nanofluids. *International Communications in Heat and Mass Transfer*, **2016**, 77, 22-32	5.8	59
126	Experimental investigation and development of new correlation for thermal conductivity and viscosity of BioGlycol/water based SiO2 nanofluids. *International Communications in Heat and Mass Transfer*, **2016**, 77, 54-63	5.8	34
125	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	10.6	40
124	Design Parametric Study of a Compound Wing-in-Ground Effect. I: Aerodynamics Performance. *Journal of Aerospace Engineering*, **2016**, 29, 04015022	1.4	1
123	Malaysia?s stand on municipal solid waste conversion to energy: A review. *Renewable and Sustainable Energy Reviews*, **2016**, 58, 1007-1016	16.2	76
122	Magnetoviscous effect and thermomagnetic convection of magnetic fluid: A review. *Renewable and Sustainable Energy Reviews*, **2016**, 55, 1030-1040	16.2	41
121	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	5.8	29
120	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	5.8	11
119	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	1.8	20

118	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	5.8	59
117	Assessment of Outdoor Thermal Comfort and Wind Characteristics at Three Different Locations in Peninsular Malaysia. *MATEC Web of Conferences*, **2016**, 47, 04005	0.3	5
116	Influence of micro-pits on sliding motion under low speeds for block-on-disk tribotester. *Particulate Science and Technology*, **2016**, 34, 754-763	2	3
115	The effects of nanolubricants on boiling and two phase flow phenomena: A review. *International Communications in Heat and Mass Transfer*, **2016**, 75, 197-205	5.8	8
114	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	5.8	43
113	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	5.8	38
112	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	5.8	69
111	A review on why researchers apply external magnetic field on nanofluids. *International Communications in Heat and Mass Transfer*, **2016**, 78, 60-67	5.8	70
110	Recent progress on hybrid nanofluids in heat transfer applications: A comprehensive review. *International Communications in Heat and Mass Transfer*, **2016**, 78, 68-79	5.8	230
109	A review of the impact of preparation on stability of carbon nanotube nanofluids. *International Communications in Heat and Mass Transfer*, **2016**, 78, 253-263	5.8	54
108	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	5.8	25
107	Formation and Breakup Patterns of Falling Droplets. *Numerical Heat Transfer; Part A: Applications*, **2015**, 68, 1023-1030	2.3	1
106	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	2.3	4
105	Analysis of the Curvature Field of a Density-Driven Convective Flow. *Numerical Heat Transfer; Part A: Applications*, **2015**, 67, 589-596	2.3	
104	Experimental and numerical study of thermo-hydraulic performance of circumferentially ribbed tube with Al2O3 nanofluid. *International Communications in Heat and Mass Transfer*, **2015**, 69, 34-40	5.8	16
103	Nanorefrigerant effects in heat transfer performance and energy consumption reduction: A review. *International Communications in Heat and Mass Transfer*, **2015**, 69, 76-83	5.8	34
102	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	5.8	45
101	A review on the application of nanofluids in vehicle engine cooling system. *International Communications in Heat and Mass Transfer*, **2015**, 68, 85-90	5.8	103

100	MATERIALS SELECTION FOR HIP PROSTHESIS BY THE METHOD OF WEIGHTED PROPERTIES. *Jurnal Teknologi (Sciences and Engineering)*, **2015**, 75,	1.2	1
99	PERFORMANCE ANALYSIS OF NANOREFRIGERANTS IN HEATED AND ROTATING CONCENTRIC AND ECCENTRIC ANNULUS CYLINDERS. *Jurnal Teknologi (Sciences and Engineering)*, **2015**, 77,	1.2	3
98	A NUMERICAL STUDY OF HEAT TRANSFER TO TURBULENT SEPARATION NANOFLUID FLOW IN AN ANNULAR PASSAGE. *Jurnal Teknologi (Sciences and Engineering)*, **2015**, 77,	1.2	2
97	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	0.4	
96	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	5.8	18
95	Recent progress on lattice Boltzmann simulation of nanofluids: A review. *International Communications in Heat and Mass Transfer*, **2015**, 66, 11-22	5.8	21
94	Measurements and correlations of frictional pressure drop of TiO2/R123 flow boiling inside a horizontal smooth tube. *International Communications in Heat and Mass Transfer*, **2015**, 61, 42-48	5.8	14
93	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	5.8	1
92	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	5.8	76
91	Static Stability and Ground Viscous Effect of a Compound Wing Configuration with Respect to Reynolds Number. *Advances in Mechanical Engineering*, **2015**, 6, 685410-685410	1.2	1
90	NANOFLUIDS HEAT TRANSFER ENHANCEMENT THROUGH STRAIGHT CHANNEL UNDER TURBULENT FLOW. *International Journal of Automotive and Mechanical Engineering*, **2015**, 11, 2294-2305	1.4	15
89	A review on preparation methods and challenges of nanofluids. *International Communications in Heat and Mass Transfer*, **2014**, 54, 115-125	5.8	182
88	Heat transfer augmentation in the straight channel by using nanofluids. *Case Studies in Thermal Engineering*, **2014**, 3, 59-67	5.6	23
87	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	0.3	1
86	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	5.8	18
85	Influence of particle concentration and temperature on the thermophysical properties of CuO/R134a nanorefrigerant. *International Communications in Heat and Mass Transfer*, **2014**, 58, 79-84	5.8	27
84	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	5.6	1
83	Lattice Boltzmann method for convective heat transfer of nanofluids □A review. *Renewable and Sustainable Energy Reviews*, **2014**, 38, 864-875	16.2	35

82	Mathematical correlations on factors affecting the thermal conductivity and dynamic viscosity of nanorefrigerants. *International Communications in Heat and Mass Transfer*, **2014**, 58, 125-131	5.8	18
81	A review on the flow structure and pollutant dispersion in urban street canyons for urban planning strategies. *Simulation*, **2014**, 90, 892-916	1.2	36
80	Fluid flow and heat transfer characteristics of nanofluids in heat pipes: A review. *International Communications in Heat and Mass Transfer*, **2014**, 56, 50-62	5.8	65
79	The effect of mixed convection on particle laden flow analysis in a cavity using a Lattice Boltzmann method. *Computers and Mathematics With Applications*, **2014**, 67, 52-61	2.7	11
78	Film Cooling Effectiveness in a Gas Turbine Engine: A Review. *Jurnal Teknologi (Sciences and Engineering)*, **2014**, 71,	1.2	2
77	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	2.3	4
76	Numerical Simulation of High Reynolds Number Flow Structure in a Lid-Driven Cavity Using MRT-LES. *Applied Mechanics and Materials*, **2014**, 554, 665-669	0.3	
75	Numerical Analysis on the Effects of Mixed Convection of Particles Removal Flow over Heated Cavity Using Multi-Relaxation Time Thermal Lattice Boltzmann Method. *Applied Mechanics and Materials*, **2014**, 695, 487-490	0.3	
74	Model Sensitivity Test of Large Eddy Simulation for Wind Flow and Pollutant Dispersion in a Street Canyon. *Applied Mechanics and Materials*, **2014**, 695, 562-566	0.3	
73	Transient Removal of Contaminants in Cavity of Mixed Convection in a Channel by Constrained Interpolated Profile Method. *Applied Mechanics and Materials*, **2014**, 554, 312-316	0.3	2
72	Numerical Simulation of Wind Flow Structures and Pollutant Dispersion within Street Canyon under Thermally Unstable Atmospheric Conditions. *Applied Mechanics and Materials*, **2014**, 554, 655-659	0.3	2
71	Removal of Contaminant Effectiveness in Cavity Channel Flow with Different Heated Wall Position. *Applied Mechanics and Materials*, **2014**, 695, 428-432	0.3	
70	Prediction of Wind Flow around High-Rise Buildings Using RANS Models. *Applied Mechanics and Materials*, **2014**, 554, 724-729	0.3	2
69	The Use of Compound Cooling Holes for Film Cooling at the End Wall of Combustor Simulator. *Applied Mechanics and Materials*, **2014**, 695, 371-375	0.3	
68	Experimental Aerodynamic Characteristics of a Compound Wing in Ground Effect. *Journal of Fluids Engineering, Transactions of the ASME*, **2014**, 136,	2.1	2
67	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	2.3	4
66	Application of the Lattice Boltzmann Method for Fluid Flow around Complex Geometry. *Applied Mechanics and Materials*, **2014**, 554, 230-235	0.3	
65	Numerical Prediction of Contaminant Removal from Cavity in Horizontal Channel by Constrained Interpolated Profile Method. *Applied Mechanics and Materials*, **2014**, 695, 384-388	0.3	

64	Analyzes of Film Cooling from Cylindrical and Row Trenched Holes with Alignment Angle of 90 Degrees at Low Blowing Ratio. *Applied Mechanics and Materials*, **2014**, 695, 376-379	0.3	1
63	The Use of Lattice Boltzmann Method for Particulate Flow Analysis. *Applied Mechanics and Materials*, **2014**, 695, 413-417	0.3	
62	Numerical Prediction of Thermal Effect on Flow Field around a High-Rise Building Model. *Applied Mechanics and Materials*, **2014**, 554, 680-685	0.3	
61	Numerical Validation for Wind Flow Field in a Street Canyon under Unstable Atmospheric Condition. *Applied Mechanics and Materials*, **2014**, 695, 671-675	0.3	
60	Simulation of Flow over a Cavity Using Multi-Relaxation Time Thermal Lattice Boltzmann Method. *Applied Mechanics and Materials*, **2014**, 554, 296-300	0.3	1
59	Vortex Formation for Different Geometry of Cavities Using High Reynolds Number. *Applied Mechanics and Materials*, **2014**, 699, 416-421	0.3	
58	Effect of Nozzle Angleson Spray Losses Reduction. *Applied Mechanics and Materials*, **2014**, 564, 216-221	0.3	
57	Computational Analysis of Nanofluids in Vehicle Radiator. *Applied Mechanics and Materials*, **2014**, 695, 539-543	0.3	4
56	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	1.1	
55	Film-Cooling Techniques at the End of Combustor and Inlet of Turbine in a Gas Turbine Engine: A Review. *Applied Mechanics and Materials*, **2014**, 554, 236-240	0.3	1
54	Two-Sided Lid-Driven Cavity Flow at Different Speed Ratio by Lattice Boltzmann Method. *Applied Mechanics and Materials*, **2014**, 554, 675-679	0.3	
53	A comprehensive review of fundamentals, preparation and applications of nanorefrigerants. *International Communications in Heat and Mass Transfer*, **2014**, 54, 81-95	5.8	41
52	Eulerian□agrangian Numerical Scheme for Contaminant Removal from Different Cavity Shapes. *Arabian Journal for Science and Engineering*, **2014**, 39, 3181-3189		2
51	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	1.4	2
50	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	1.4	3
49	The Influences of the Die Half Angle of Taper Die During Cold Extrusion Process. *Arabian Journal for Science and Engineering*, **2013**, 38, 1201-1207		2
48	A Review on the Application of the Lattice Boltzmann Method for Turbulent Flow Simulation. *Numerical Heat Transfer; Part A: Applications*, **2013**, 64, 938-953	2.3	55
47	Adaptive-Network-Based Fuzzy Inference System Analysis to Predict the Temperature and Flow Fields in a Lid-Driven Cavity. *Numerical Heat Transfer; Part A: Applications*, **2013**, 63, 906-920	2.3	35

46	Regularized Lattice Boltzmann Simulation of Laminar Mixed Convection in the Entrance Region of 2-D Channels. *Numerical Heat Transfer; Part A: Applications*, **2013**, 63, 867-878	2.3	9
45	Numerical Investigation of 2-D Free Convection of Nanofluid in L-Shaped Enclosure. *Applied Mechanics and Materials*, **2013**, 315, 433-437	0.3	
44	The effect of different aspect ratio and bottom heat flux towards contaminant removal using numerical analysis. *IOP Conference Series: Materials Science and Engineering*, **2013**, 50, 012015	0.4	
43	Numerical prediction of air flow within street canyons based on different two-equationk-Emodels. *IOP Conference Series: Materials Science and Engineering*, **2013**, 50, 012012	0.4	1
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