

Nor Azwadi Bin Che Sidik

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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	Recent progress on hybrid nanofluids in heat transfer applications: A comprehensive review. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 78, 68-79	5.8	230
206	A review on preparation methods, stability and applications of hybrid nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 80, 1112-1122	16.2	189
205	A review on preparation methods and challenges of nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 54, 115-125	5.8	182
204	Alcohol and ether as alternative fuels in spark ignition engine: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 2586-2605	16.2	142
203	Thermal conductivity and viscosity models of metallic oxides nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 116, 1314-1325	4.9	137
202	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	4.9	112
201	A review on the application of nanofluids in vehicle engine cooling system. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 68, 85-90	5.8	103
200	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	4.9	101
199	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	4.9	96
198	Hydrothermal performance of microchannel heat sink: The effect of channel design. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 107, 21-44	4.9	95
197	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	5.8	91
196	Factors affecting the performance of hybrid nanofluids: A comprehensive review. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 115, 630-646	4.9	90
195	Experimental evaluation of palm oil as lubricant in cold forward extrusion process. <i>International Journal of Mechanical Sciences</i> , 2011 , 53, 549-555	5.5	84
194	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	4.9	83
193	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	5.8	81
192	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	16.2	79
191	Malaysia's stand on municipal solid waste conversion to energy: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 58, 1007-1016	16.2	76

190	Forced, natural and mixed-convection heat transfer and fluid flow in annulus: A review. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 62, 45-57	5.8	76
189	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	4.9	75
188	Heat and mass transfer characteristics of carbon nanotube nanofluids: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 80, 914-941	16.2	75
187	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	5.8	71
186	A review on why researchers apply external magnetic field on nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 78, 60-67	5.8	70
185	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	5.8	69
184	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	5.8	65
183	Emulsifier-free Water-in-Diesel emulsion fuel: Its stability behaviour, engine performance and exhaust emission. <i>Fuel</i> , 2018 , 215, 454-462	7.1	65
182	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	7.8	63
181	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	4.9	59
180	An experimental determination of thermal conductivity and viscosity of BioGlycol/water based TiO ₂ nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 77, 22-32	5.8	59
179	An experimental determination of thermal conductivity and electrical conductivity of bio glycol based Al ₂ O ₃ nanofluids and development of new correlation. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 73, 75-83	5.8	59
178	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	4.9	59
177	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	10.6	57
176	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	5.2	56
175	A Review on the Application of the Lattice Boltzmann Method for Turbulent Flow Simulation. <i>Numerical Heat Transfer; Part A: Applications</i> , 2013 , 64, 938-953	2.3	55
174	A review of the impact of preparation on stability of carbon nanotube nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 78, 253-263	5.8	54
173	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	4.9	50

172	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	5.8	48
171	Recent state of nanofluid in automobile cooling systems. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 981-1008	4.1	47
170	Simulation of natural convection heat transfer in an enclosure by the lattice-Boltzmann method. <i>Computers and Fluids</i> , 2011 , 44, 162-168	2.8	46
169	Applications of nanorefrigerant and nanolubricants in refrigeration, air-conditioning and heat pump systems: A review. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 68, 91-97	5.8	45
168	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	5.8	45
167	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	4.9	44
166	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	5.8	43
165	Magnetoviscous effect and thermomagnetic convection of magnetic fluid: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 55, 1030-1040	16.2	41
164	Recent advancement of nanofluids in engine cooling system. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 75, 137-144	16.2	41
163	A comprehensive review of fundamentals, preparation and applications of nanorefrigerants. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 54, 81-95	5.8	41
162	Recent development on biodegradable nanolubricant: A review. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 86, 159-165	5.8	40
161	Experimental investigation of combustion, emissions and thermal balance of secondary butyl alcohol-gasoline blends in a spark ignition engine. <i>Energy Conversion and Management</i> , 2016 , 123, 1-14	10.6	40
160	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	4.9	38
159	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	5.8	38
158	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	4.9	37
157	A review on the flow structure and pollutant dispersion in urban street canyons for urban planning strategies. <i>Simulation</i> , 2014 , 90, 892-916	1.2	36
156	Lattice Boltzmann method for convective heat transfer of nanofluids [A review]. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 38, 864-875	16.2	35
155	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	2.3	35

154	Significance of alumina in nanofluid technology. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 1107-1126	4.1	34
153	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	5.8	34
152	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	5.8	34
151	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	5.8	33
150	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	4.9	32
149	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	10.3	32
148	Biolubricant production from palm stearin through enzymatic transesterification method. <i>Biochemical Engineering Journal</i> , 2019 , 148, 178-184	4.2	31
147	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	5.8	29
146	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	4.9	28
145	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	5.8	27
144	Thermophysical properties and stability of carbon nanostructures and metallic oxides nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 1545-1562	4.1	27
143	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	6.8	26
142	Recent progress on concentrating direct absorption solar collector using nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 137, 903-922	4.1	26
141	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	5.8	25
140	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	7.9	24
139	Heat transfer augmentation in the straight channel by using nanofluids. <i>Case Studies in Thermal Engineering</i> , 2014 , 3, 59-67	5.6	23
138	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	4.9	22
137	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	4.1	21

136	Recent progress on lattice Boltzmann simulation of nanofluids: A review. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 66, 11-22	5.8	21
135	Effect of Addition of Tertiary-Butyl Hydroquinone into Palm Oil to Reduce Wear and Friction Using Four-Ball Tribotester. <i>Tribology Transactions</i> , 2016 , 59, 883-888	1.8	20
134	Nanofluids for flat plate solar collectors: Fundamentals and applications. <i>Journal of Cleaner Production</i> , 2021 , 291, 125725	10.3	20
133	Simulation of forced convection in a channel with nanofluid by the lattice Boltzmann method. <i>Nanoscale Research Letters</i> , 2013 , 8, 178	5	19
132	SIMPLIFIED THERMAL LATTICE BOLTZMANN IN INCOMPRESSIBLE LIMIT. <i>International Journal of Modern Physics B</i> , 2006 , 20, 2437-2449	1.1	19
131	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	1.8	19
130	Thermal analysis of cellulose nanocrystal-ethylene glycol nanofluid coolant. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 127, 173-181	4.9	18
129	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	5.8	18
128	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	5.8	18
127	Numerical investigation on heat transfer and friction factor characteristics of laminar and turbulent flow in an elliptic annulus utilizing nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 66, 148-157	5.8	18
126	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	5.8	17
125	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	5.8	16
124	NANOFLUIDS HEAT TRANSFER ENHANCEMENT THROUGH STRAIGHT CHANNEL UNDER TURBULENT FLOW. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015 , 11, 2294-2305 ^{1.4}		15
123	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	5.8	15
122	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	5.8	14
121	Numerical Investigation on Aerodynamic Characteristics of a Compound Wing-in-Ground Effect. <i>Journal of Aircraft</i> , 2012 , 49, 1297-1305	1.6	13
120	THREE-DIMENSIONAL THERMAL LATTICE BOLTZMANN SIMULATION OF NATURAL CONVECTION IN A CUBIC CAVITY. <i>International Journal of Modern Physics B</i> , 2007 , 21, 87-96	1.1	13
119	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	1.8	13

118	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	6.3	12
117	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	6.3	12
116	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	4.9	11
115	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	5.8	11
114	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	2.7	11
113	SIMPLIFIED FINITE DIFFERENCE THERMAL LATTICE BOLTZMANN METHOD. <i>International Journal of Modern Physics B</i> , 2008 , 22, 3865-3876	1.1	11
112	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	4.5	10
111	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	2.3	9
110	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	4.9	9
109	The use of cubic interpolation method for transient hydrodynamics of solid particles. <i>International Journal of Engineering Science</i> , 2012 , 51, 90-103	5.7	9
108	Numerical Simulation of Natural Convection in an Inclined Square Cavity. <i>Journal of Applied Sciences</i> , 2011 , 11, 373-378	0.3	9
107	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> , 2020 , 1	4.1	9
106	Thermodynamic analysis of flow field at the end of combustor simulator. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 61, 389-396	4.9	8
105	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	5.8	8
104	Numerical Investigation of Direct Absorption Solar Collector using Nanofluids: A Review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 469, 012059	0.4	7
103	Virtual Study of Natural Convection Heat Transfer in an Inclined Square Cavity. <i>Journal of Applied Sciences</i> , 2010 , 10, 331-336	0.3	6
102	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	3	5
101	Assessment of Outdoor Thermal Comfort and Wind Characteristics at Three Different Locations in Peninsular Malaysia. <i>MATEC Web of Conferences</i> , 2016 , 47, 04005	0.3	5

100	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	0.4	4
99	Analysis of the Applicability of the Lattice Boltzmann Method in Targeting a Chaotic Flame Front Model. <i>Numerical Heat Transfer; Part A: Applications</i> , 2015 , 67, 597-603	2.3	4
98	Numerical analysis for irreversible processes in a piston-cylinder system. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 124, 1097-1106	4.9	4
97	Ground boundary layers effect on aerodynamic coefficients of a compound wing with respect to design parameters. <i>Ocean Engineering</i> , 2018 , 164, 228-237	3.9	4
96	Measurement of Film Effectiveness for Cylindrical and Row Trenched Cooling Holes at Different Blowing Ratios. <i>Numerical Heat Transfer; Part A: Applications</i> , 2014 , 66, 1154-1171	2.3	4
95	The Use of Thermal Lattice Boltzmann Numerical Scheme for Particle-Laden Channel Flow with a Cavity. <i>Numerical Heat Transfer; Part A: Applications</i> , 2014 , 66, 433-448	2.3	4
94	Computational Analysis of Nanofluids in Vehicle Radiator. <i>Applied Mechanics and Materials</i> , 2014 , 695, 539-543	0.3	4
93	A Least-Squares-Based Immersed Boundary Approach for Complex Boundaries in the Lattice Boltzmann Method. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2013 , 64, 407-419	1.3	4
92	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	0.8	4
91	Numerical prediction of dynamics of solid particle in lid-driven cavity flow 2012 ,		4
90	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	4.1	4
89	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	0.4	3
88	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	5.1	3
87	PERFORMANCE ANALYSIS OF NANOREFRIGERANTS IN HEATED AND ROTATING CONCENTRIC AND ECCENTRIC ANNULUS CYLINDERS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 77,	1.2	3
86	Mesoscale Numerical Prediction of Fluid Flow in a Shear Driven Cavity. <i>Arabian Journal for Science and Engineering</i> , 2012 , 37, 1723-1735		3
85	Prediction of the Flow around a Surface-Mounted Cube Using Two-Equation Turbulence Models. <i>Applied Mechanics and Materials</i> , 2013 , 315, 438-442	0.3	3
84	Numerical Analysis on the Effects of Cavity Geometry with Heat towards Contaminant Removal. <i>Applied Mechanics and Materials</i> , 2013 , 393, 851-856	0.3	3
83	Four-Sided Lid-Driven Cavity Flow using Time Splitting Method of Adams-Bashforth Scheme. <i>International Journal of Automotive and Mechanical Engineering</i> , 2014 , 9, 1501-1510	1.4	3

82	Plasticity Analysis of Pure Aluminium Extruded with an RBD Palm Olein Lubricant. <i>Journal of Applied Sciences</i> , 2009 , 9, 3581-3586	0.3	3
81	The Effect of Tool Surface Roughness in Cold Work Extrusion. <i>Journal of Applied Sciences</i> , 2011 , 11, 367-372		3
80	Effect of surfactants on thermal conductivity of graphene based hybrid nanofluid. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 463, 012122	0.3	3
79	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	2	3
78	Experimental investigation and optimization of loop heat pipe performance with nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 144, 1435-1449	4.1	3
77	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	4.9	2
76	Erosion-corrosion effect of nanocoolant on actual car water pump. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 469, 012039	0.4	2
75	The effectiveness of secondary channel on the performance of hybrid microchannel heat sink at low pumping power. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 469, 012032	0.4	2
74	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	0.4	2
73	Wake behind a Compound Wing in Ground Effect. <i>Journal of Marine Science and Engineering</i> , 2020 , 8, 156	2.4	2
72	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	5.8	2
71	The Influences of the Die Half Angle of Taper Die During Cold Extrusion Process. <i>Arabian Journal for Science and Engineering</i> , 2013 , 38, 1201-1207		2
70	A NUMERICAL STUDY OF HEAT TRANSFER TO TURBULENT SEPARATION NANOFLUID FLOW IN AN ANNULAR PASSAGE. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 77,	1.2	2
69	Film Cooling Effectiveness in a Gas Turbine Engine: A Review. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014 , 71,	1.2	2
68	Transient Removal of Contaminants in Cavity of Mixed Convection in a Channel by Constrained Interpolated Profile Method. <i>Applied Mechanics and Materials</i> , 2014 , 554, 312-316	0.3	2
67	Numerical Simulation of Wind Flow Structures and Pollutant Dispersion within Street Canyon under Thermally Unstable Atmospheric Conditions. <i>Applied Mechanics and Materials</i> , 2014 , 554, 655-659	0.3	2
66	Prediction of Wind Flow around High-Rise Buildings Using RANS Models. <i>Applied Mechanics and Materials</i> , 2014 , 554, 724-729	0.3	2
65	Experimental Aerodynamic Characteristics of a Compound Wing in Ground Effect. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2014 , 136,	2.1	2

64	Eulerian-Lagrangian Numerical Scheme for Contaminant Removal from Different Cavity Shapes. <i>Arabian Journal for Science and Engineering</i> , 2014 , 39, 3181-3189		2
63	Simulation of Mixed Convection around a Square by Using LBM. <i>Applied Mechanics and Materials</i> , 2012 , 229-231, 2145-2149	0.3	2
62	Thermodynamic Analysis of Flow Field at the End of Combustor Simulator. <i>Applied Mechanics and Materials</i> , 2012 , 225, 261-266	0.3	2
61	Finite Difference and Cubic Interpolated Profile Lattice Boltzmann Method for Prediction of Two-Dimensional Lid-Driven Shallow Cavity Flow. <i>Arabian Journal for Science and Engineering</i> , 2012 , 37, 1101-1110		2
60	Numerical Prediction of Heat Transfer from Localized Heating in Enclosure Using CIP Method. <i>Applied Mechanics and Materials</i> , 2013 , 315, 512-516	0.3	2
59	Ground Viscous Effect on 3D Flow Structure of a Compound Wing-in-Ground Effect. <i>International Journal of Automotive and Mechanical Engineering</i> , 2014 , 9, 1550-1563	1.4	2
58	The Effect of Triangular Cavity Shape on the Hybrid Microchannel Heat Sink Performance. <i>CFD Letters</i> , 2020 , 12, 1-14	1.3	2
57	Design Parametric Study of a Compound Wing-in-Ground Effect. II: Aerodynamics Coefficients. <i>Journal of Aerospace Engineering</i> , 2016 , 29, 04015023	1.4	1
56	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	0.3	1
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