

# Rahman Saidur

## List of Publications by Year in descending order

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203  
papers

27,554  
citations

4960

84  
h-index

5829

161  
g-index

204  
all docs

204  
docs citations

204  
times ranked

21705  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on applications and challenges of nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 1646-1668.	16.4	1,521
2	A review on biomass as a fuel for boilers. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 2262-2289.	16.4	1,201
3	A review of nanofluid stability properties and characterization in stationary conditions. <i>International Journal of Heat and Mass Transfer</i> , 2011, 54, 4051-4068.	4.8	940
4	A review on global solar energy policy. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 2149-2163.	16.4	882
5	A review on solar energy use in industries. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 1777-1790.	16.4	776
6	A review on applications of ANN and SVM for building electrical energy consumption forecasting. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 33, 102-109.	16.4	701
7	Comparative study of different fuel cell technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 981-989.	16.4	657
8	A review on energy saving strategies in industrial sector. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 150-168.	16.4	602
9	A review of maximum power point tracking algorithms for wind energy systems. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 3220-3227.	16.4	597
10	A review on emission analysis in cement industries. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 2252-2261.	16.4	573
11	Effect of dust, humidity and air velocity on efficiency of photovoltaic cells. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 2920-2925.	16.4	522
12	Latest developments on the viscosity of nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 874-885.	4.8	516
13	A critical review on energy use and savings in the cement industries. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 2042-2060.	16.4	481
14	Environmental impact of wind energy. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 2423-2430.	16.4	416
15	Performance investigation of an automotive car radiator operated with nanofluid-based coolants (nanofluid as a coolant in a radiator). <i>Applied Thermal Engineering</i> , 2010, 30, 2685-2692.	6.0	369
16	A review on electrical motors energy use and energy savings. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 877-898.	16.4	357
17	A review on compressed-air energy use and energy savings. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 1135-1153.	16.4	349
18	A review on global wind energy policy. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 1744-1762.	16.4	337

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19	Technologies to recover exhaust heat from internal combustion engines. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 5649-5659.	16.4	313
20	Progress and recent trends of wind energy technology. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 21, 456-468.	16.4	304
21	Performance, materials and coating technologies of thermochromic thin films on smart windows. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 26, 353-364.	16.4	289
22	A review on exergy analysis of vapor compression refrigeration system. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 1593-1600.	16.4	287
23	Energy, economic and environmental analysis of metal oxides nanofluid for flat-plate solar collector. <i>Energy Conversion and Management</i> , 2013, 76, 162-168.	9.2	282
24	Solar energy in Malaysia: Current state and prospects. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 386-396.	16.4	269
25	A review on palm oil biodiesel as a source of renewable fuel. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 1937-1949.	16.4	262
26	Evaluation of the effect of nanofluid-based absorbers on direct solar collector. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 5899-5907.	4.8	259
27	The effect of geometrical parameters on heat transfer characteristics of microchannels heat sink with different shapes. <i>International Communications in Heat and Mass Transfer</i> , 2010, 37, 1078-1086.	5.6	250
28	Heat transfer and fluid flow characteristics in microchannels heat exchanger using nanofluids: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 1502-1512.	16.4	249
29	An overview of hydrogen as a vehicle fuel. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 5511-5528.	16.4	242
30	Energy consumption, energy savings, and emission analysis in Malaysian office buildings. <i>Energy Policy</i> , 2009, 37, 4104-4113.	8.8	241
31	Assessment of wind energy potentiality at Kudat and Labuan, Malaysia using Weibull distribution function. <i>Energy</i> , 2011, 36, 985-992.	8.8	234
32	Energy, exergy and economic analysis of industrial boilers. <i>Energy Policy</i> , 2010, 38, 2188-2197.	8.8	233
33	Application of Computational Fluid Dynamics (CFD) for nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 4104-4115.	4.8	229
34	A review on the performance of nanoparticles suspended with refrigerants and lubricating oils in refrigeration systems. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 310-323.	16.4	223
35	Nanofluid as a coolant for electronic devices (cooling of electronic devices). <i>Applied Thermal Engineering</i> , 2012, 32, 76-82.	6.0	218
36	Comparative study of stand-alone and hybrid solar energy systems suitable for off-grid rural electrification: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 27, 738-752.	16.4	206

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37	An application of energy and exergy analysis in residential sector of Malaysia. <i>Energy Policy</i> , 2007, 35, 1050-1063.	8.8	199
38	Supercooling of phase-change materials and the techniques used to mitigate the phenomenon. <i>Applied Energy</i> , 2019, 240, 793-817.	10.1	199
39	Experimental investigation on the thermo-physical properties of Al <sub>2</sub> O <sub>3</sub> nanoparticles suspended in car radiator coolant. <i>International Communications in Heat and Mass Transfer</i> , 2014, 54, 48-53.	5.6	188
40	Solar energy harvesting with the application of nanotechnology. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 26, 837-852.	16.4	185
41	A review of solar thermal refrigeration and cooling methods. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 24, 499-513.	16.4	184
42	Preparation of activated carbon from biomass and its™ applications in water and gas purification, a review. <i>Arab Journal of Basic and Applied Sciences</i> , 2020, 27, 208-238.	2.1	184
43	Applications of variable speed drive (VSD) in electrical motors energy savings. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 543-550.	16.4	177
44	A comparative review on the specific heat of nanofluids for energy perspective. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 38, 88-98.	16.4	176
45	Exergy analysis of solar energy applications. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 350-356.	16.4	175
46	Experimental investigation of the thermophysical properties of Al <sub>2</sub> O <sub>3</sub> -nanofluid and its effect on a flat plate solar collector. <i>International Communications in Heat and Mass Transfer</i> , 2013, 48, 99-107.	5.6	170
47	Comparative engine performance and emission analysis of CNG and gasoline in a retrofitted car engine. <i>Applied Thermal Engineering</i> , 2010, 30, 2219-2226.	6.0	165
48	An experimental investigation of heat transfer enhancement of a minichannel heat sink using Al <sub>2</sub> O <sub>3</sub> –H <sub>2</sub> O nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2014, 74, 164-172.	4.8	161
49	Effect of Ultrasonication Duration on Colloidal Structure and Viscosity of Alumina–Water Nanofluid. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 6677-6684.	3.7	161
50	Convective heat transfer and fluid flow study over a step using nanofluids: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 2921-2939.	16.4	159
51	Performance study of different solar dryers: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 34, 463-470.	16.4	159
52	Investigating performance improvement of solar collectors by using nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 28, 232-245.	16.4	158
53	A review on development of solar drying applications. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 31, 133-148.	16.4	158
54	Thermophysical properties and heat transfer performance of Al <sub>2</sub> O <sub>3</sub> /R-134a nanorefrigerants. <i>International Journal of Heat and Mass Transfer</i> , 2013, 57, 100-108.	4.8	155

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55	Analyses of exergy efficiency and pumping power for a conventional flat plate solar collector using SWCNTs based nanofluid. <i>Energy and Buildings</i> , 2014, 78, 1-9.	6.7	154
56	Curbing global warming with phase change materials for energy storage. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 18, 23-30.	16.4	149
57	Environmental aspects and challenges of oilseed produced biodiesel in Southeast Asia. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 2452-2462.	16.4	145
58	Review on solar water heater collector and thermal energy performance of circulating pipe. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 3801-3812.	16.4	143
59	Biomass energy in Malaysia: Current state and prospects. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 3360-3370.	16.4	143
60	Analyses of entropy generation and pressure drop for a conventional flat plate solar collector using different types of metal oxide nanofluids. <i>Energy and Buildings</i> , 2013, 66, 289-296.	6.7	140
61	Effect of nanoparticle shape on the heat transfer and thermodynamic performance of a shell and tube heat exchanger. <i>International Communications in Heat and Mass Transfer</i> , 2013, 44, 93-99.	5.6	133
62	Potential application of renewable energy for rural electrification in Malaysia. <i>Renewable Energy</i> , 2013, 59, 210-219.	8.9	132
63	An overview of energy savings measures for cement industries. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 19, 18-29.	16.4	132
64	Energy savings and emissions reductions for rewinding and replacement of industrial motor. <i>Energy</i> , 2011, 36, 233-240.	8.8	127
65	A review on exergy analysis of biomass based fuels. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 1217-1222.	16.4	126
66	Effect of different nanoparticle shapes on shell and tube heat exchanger using different baffle angles and operated with nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2014, 70, 289-297.	4.8	125
67	Effect of particle concentration, temperature and surfactant on surface tension of nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2013, 49, 110-114.	5.6	124
68	The application of solar technologies for sustainable development of agricultural sector. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 18, 583-594.	16.4	122
69	Influence of particle concentration and temperature on thermal conductivity and viscosity of Al <sub>2</sub> O <sub>3</sub> /R141b nanorefrigerant. <i>International Communications in Heat and Mass Transfer</i> , 2013, 43, 100-104.	5.6	115
70	Thermal Conductivity, Viscosity and Density of R141b Refrigerant based Nanofluid. <i>Procedia Engineering</i> , 2013, 56, 310-315.	1.2	113
71	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.	8.1	113
72	An overview of agricultural biomass for decentralized rural energy in Ghana. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 20, 15-25.	16.4	112

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73	Performance analysis of a co-generation system using solar energy and SOFC technology. <i>Energy Conversion and Management</i> , 2014, 79, 415-430.	9.2	112
74	Global policy of rural electrification. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 19, 402-416.	16.4	110
75	Influence of substrate and annealing temperatures on optical properties of RF-sputtered TiO <sub>2</sub> thin films. <i>Optical Materials</i> , 2010, 32, 690-695.	3.6	105
76	Energy and emission analysis for industrial motors in Malaysia. <i>Energy Policy</i> , 2009, 37, 3650-3658.	8.8	99
77	Thermal conductivity variation for methanol based nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2014, 76, 350-356.	4.8	99
78	Energy savings in the combustion based process heating in industrial sector. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 4527-4536.	16.4	97
79	An exergy analysis for cement industries: An overview. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 921-932.	16.4	94
80	Exergetic analysis of a solar thermal power system with PCM storage. <i>Energy Conversion and Management</i> , 2014, 78, 486-492.	9.2	94
81	Numerical analysis of fluid flow due to mixed convection in a lid-driven cavity having a heated circular hollow cylinder. <i>International Communications in Heat and Mass Transfer</i> , 2011, 38, 1093-1103.	5.6	91
82	The effects of nanofluid on thermophysical properties and heat transfer characteristics of a plate heat exchanger. <i>International Communications in Heat and Mass Transfer</i> , 2013, 44, 58-63.	5.6	91
83	Alternative energy resources in Bangladesh and future prospect. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 25, 698-707.	16.4	90
84	Economic assessment and ranking of wind power potential using fuzzy-TOPSIS approach. <i>Environmental Science and Pollution Research</i> , 2019, 26, 22494-22511.	5.3	88
85	An end-use energy analysis in a Malaysian public hospital. <i>Energy</i> , 2010, 35, 4780-4785.	8.8	86
86	Cooling of minichannel heat sink using nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 1188-1194.	5.6	85
87	An estimation of the energy and exergy efficiencies for the energy resources consumption in the transportation sector in Malaysia. <i>Energy Policy</i> , 2007, 35, 4018-4026.	8.8	83
88	Analysis of entropy generation using nanofluid flow through the circular microchannel and minichannel heat sink. <i>International Communications in Heat and Mass Transfer</i> , 2013, 46, 85-91.	5.6	82
89	Synthesis of 2D boron nitride doped polyaniline hybrid nanocomposites for photocatalytic degradation of carcinogenic dyes from aqueous solution. <i>Arabian Journal of Chemistry</i> , 2018, 11, 1000-1016.	4.9	82
90	End-use energy analysis in the Malaysian industrial sector. <i>Energy</i> , 2009, 34, 153-158.	8.8	81

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91	Optical, stability and energy performance of water-based MXene nanofluids in hybrid PV/thermal solar systems. <i>Solar Energy</i> , 2020, 204, 32-47.	6.1	81
92	Energy and associated greenhouse gas emissions from household appliances in Malaysia. <i>Energy Policy</i> , 2007, 35, 1648-1657.	8.8	80
93	Energy use, energy savings and emission analysis in the Malaysian rubber producing industries. <i>Applied Energy</i> , 2010, 87, 2746-2758.	10.1	77
94	Chillers energy consumption, energy savings and emission analysis in an institutional buildings. <i>Energy</i> , 2011, 36, 5233-5238.	8.8	77
95	Modeling of shell and tube heat recovery exchanger operated with nanofluid based coolants. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 808-816.	4.8	77
96	A review on exergy analysis of industrial sector. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 27, 198-203.	16.4	77
97	Heat transfer and thermodynamic analyses of a helically coiled heat exchanger using different types of nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2013, 67, 398-403.	4.8	77
98	Current energy mix and techno-economic analysis of concentrating solar power (CSP) technologies in Malaysia. <i>Renewable Energy</i> , 2019, 140, 789-806.	8.9	77
99	Magnetohydrodynamic natural convection in trapezoidal cavities. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 1384-1394.	5.6	73
100	Numerical and experimental investigation of heat transfer in a shell and tube thermal energy storage system. <i>International Communications in Heat and Mass Transfer</i> , 2014, 53, 71-78.	5.6	73
101	Finite element solution of MHD mixed convection in a channel with a fully or partially heated cavity. <i>Computers and Fluids</i> , 2013, 79, 53-64.	2.5	72
102	A review on test procedure, energy efficiency standards and energy labels for room air conditioners and refrigerator-freezers. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 1888-1900.	16.4	69
103	Heat transfer and entropy analysis of three different types of heat exchangers operated with nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 838-843.	5.6	69
104	Investigating the heat transfer performance and thermophysical properties of nanofluids in a circular micro-channel. <i>International Communications in Heat and Mass Transfer</i> , 2013, 42, 75-81.	5.6	69
105	Effects of nanofluids on heat transfer characteristics of a two-phase closed thermosyphon. <i>International Journal of Heat and Mass Transfer</i> , 2013, 65, 610-618.	4.8	68
106	Role of ambient temperature, door opening, thermostat setting position and their combined effect on refrigerator-freezer energy consumption. <i>Energy Conversion and Management</i> , 2002, 43, 845-854.	9.2	67
107	An overview of different distillation methods for small scale applications. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 4756-4764.	16.4	66
108	Magnetohydrodynamic mixed convection in a horizontal channel with an open cavity. <i>International Communications in Heat and Mass Transfer</i> , 2011, 38, 184-193.	5.6	66

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109	Radiative properties of nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2013, 46, 74-84.	5.6	63
110	Performance and cost analysis of phase change materials with different melting temperatures in heating systems. <i>Energy</i> , 2013, 53, 173-178.	8.8	62
111	Biochar characterization of invasive <i>Pennisetum purpureum</i> grass: effect of pyrolysis temperature. <i>Biochar</i> , 2020, 2, 239-251.	12.6	61
112	A numerical study on the effect of a heated hollow cylinder on mixed convection in a ventilated cavity. <i>International Communications in Heat and Mass Transfer</i> , 2010, 37, 1326-1334.	5.6	60
113	Conjugated effect of joule heating and magneto-hydrodynamic on double-diffusive mixed convection in a horizontal channel with an open cavity. <i>International Journal of Heat and Mass Transfer</i> , 2011, 54, 3201-3213.	4.8	55
114	Energy and exergy analysis at the utility and commercial sectors of Malaysia. <i>Energy Policy</i> , 2007, 35, 1956-1966.	8.8	54
115	Energetic, economic and environmental benefits of utilizing the ice thermal storage systems for office building applications. <i>Energy and Buildings</i> , 2012, 50, 347-354.	6.7	54
116	Entropy generation analysis of nanofluid flow in a circular tube subjected to constant wall temperature. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 1169-1175.	5.6	53
117	Cost-benefit analysis of implementing minimum energy efficiency standards for household refrigerator-freezers in Malaysia. <i>Energy Policy</i> , 2004, 32, 1819-1824.	8.8	51
118	An application of energy and exergy analysis in agricultural sector of Malaysia. <i>Energy Policy</i> , 2011, 39, 7922-7929.	8.8	51
119	Analysis of electrical motors load factors and energy savings in an Indian cement industry. <i>Energy</i> , 2011, 36, 4307-4314.	8.8	50
120	Heat transfer enhancement and development of correlation for turbulent flow through a tube with triple helical tape inserts. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 94-101.	5.6	50
121	MHD natural convection in an enclosure from two semi-circular heaters on the bottom wall. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 1844-1854.	4.8	50
122	Energetic, economic and environmental impacts of using nanorefrigerant in domestic refrigerators in Malaysia. <i>Energy Conversion and Management</i> , 2013, 73, 335-339.	9.2	50
123	A review of thermodynamics and heat transfer in solar refrigeration system. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 5639-5648.	16.4	49
124	Effects of operating variables on heat transfer and energy consumption of a household refrigerator-freezer during closed door operation. <i>Energy</i> , 2009, 34, 196-198.	8.8	47
125	Heat Transfer and Pressure Drop Characteristics of Al <sub>2</sub> O <sub>3</sub> -R141b Nanorefrigerant in Horizontal Smooth Circular Tube. <i>Procedia Engineering</i> , 2013, 56, 323-329.	1.2	47
126	Effects of Reynolds and Prandtl number on mixed convection in a ventilated cavity with a heat-generating solid circular block. <i>Applied Mathematical Modelling</i> , 2012, 36, 2056-2066.	4.2	46



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127	A review on kiln system modeling. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 2487-2500.	16.4	45
128	Energy, exergy and environmental analysis of cold thermal energy storage (CTES) systems. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 5741-5746.	16.4	44
129	Effect of temperature and volume fraction on rheology of methanol based nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2014, 77, 765-769.	4.8	44
130	A review on fuel economy standard for motor vehicles with the implementation possibilities in Malaysia. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 3092-3099.	16.4	42
131	Fabrication and Characterization of an Electrospun PHA/Graphene Silver Nanocomposite Scaffold for Antibacterial Applications. <i>Materials</i> , 2018, 11, 1673.	2.9	42
132	Prediction of heat transfer performance of CuO/water nanofluids flow in spirally corrugated helically coiled heat exchanger using fuzzy logic technique. <i>Computers and Fluids</i> , 2014, 100, 123-129.	2.5	40
133	Boron Nitride Doped Polyhydroxyalkanoate/Chitosan Nanocomposite for Antibacterial and Biological Applications. <i>Nanomaterials</i> , 2019, 9, 645.	4.1	40
134	Second law analysis for optimal thermal design of radial fin geometry by convection. <i>Applied Thermal Engineering</i> , 2007, 27, 1363-1370.	6.0	39
135	Assessment of energy and exergy efficiencies of a grate clinker cooling system through the optimization of its operational parameters. <i>Energy</i> , 2012, 46, 664-674.	8.8	39
136	Technical characteristic analysis of wind energy conversion systems for sustainable development. <i>Energy Conversion and Management</i> , 2013, 69, 87-94.	9.2	38
137	Numerical study of heat transfer enhancement of counter nanofluids flow in rectangular microchannel heat exchanger. <i>Superlattices and Microstructures</i> , 2011, 50, 215-233.	3.1	37
138	Optimization of electrocatalyst performance of platinum-ruthenium induced with MXene by response surface methodology for clean energy application. <i>Journal of Cleaner Production</i> , 2020, 277, 123395.	9.3	37
139	Experimental study of forced and free convective heat transfer in the thermal entry region of horizontal concentric annuli. <i>International Communications in Heat and Mass Transfer</i> , 2010, 37, 739-747.	5.6	36
140	Investigation of the performance of a hybrid PV/thermal system using water/silver nanofluid-based optical filter. <i>Energy</i> , 2021, 215, 119172.	8.8	34
141	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.	5.8	34
142	The applicability of ISO household refrigerator-freezer energy test specifications in Malaysia. <i>Energy</i> , 2001, 26, 723-737.	8.8	33
143	Modeling and simulation to determine the potential energy savings by implementing cold thermal energy storage system in office buildings. <i>Energy Conversion and Management</i> , 2013, 75, 152-161.	9.2	33
144	Rheological behavior of Al <sub>2</sub> O <sub>3</sub> /R141b nanorefrigerant. <i>International Journal of Heat and Mass Transfer</i> , 2014, 73, 118-123.	4.8	32

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145	Novel magnetic graphene oxide functionalized cyanopropyl nanocomposite as an adsorbent for the removal of Pb(II) ions from aqueous media: equilibrium and kinetic studies. <i>Environmental Science and Pollution Research</i> , 2018, 25, 27122-27132.	5.3	32
146	Evaluation of the effects of optical filtration and nanoPCM on the performance of a hybrid photovoltaic-thermal solar collector. <i>Energy Conversion and Management</i> , 2019, 195, 139-156.	9.2	32
147	Computational analysis of mixed convection in a channel with a cavity heated from different sides. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 78-84.	5.6	31
148	A review on the relation between the energy and exergy efficiency analysis and the technical characteristic of the renewable energy systems. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 3131-3135.	16.4	31
149	An economic optimization of evaporator and air collector area in a solar assisted heat pump drying system. <i>Energy Conversion and Management</i> , 2013, 76, 377-384.	9.2	31
150	Energy, economic and environmental benefits of using high-efficiency motors to replace standard motors for the Malaysian industries. <i>Energy Policy</i> , 2010, 38, 4617-4625.	8.8	30
151	A review on electrical and thermal energy for industries. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 2073-2086.	16.4	30
152	Effects of Lewis number on heat and mass transfer in a triangular cavity. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 1213-1219.	5.6	30
153	Potential CO <sub>2</sub> reduction by implementing energy efficiency standard for room air conditioner in Malaysia. <i>Energy Conversion and Management</i> , 2001, 42, 1673-1685.	9.2	29
154	Exergy analysis of evaporative cooling for reducing energy use in a Malaysian building. <i>Desalination</i> , 2007, 209, 238-243.	8.2	29
155	Thermodynamic evaluation of utilizing different ice thermal energy storage systems for cooling application in office buildings in Malaysia. <i>Energy and Buildings</i> , 2012, 53, 117-126.	6.7	29
156	Double-diffusive buoyancy induced flow in a triangular cavity with corrugated bottom wall: Effects of geometrical parameters. <i>International Communications in Heat and Mass Transfer</i> , 2013, 45, 64-74.	5.6	29
157	Heat Transfer Performance of Different Nanofluids Flows in a Helically Coiled Heat Exchanger. <i>Advanced Materials Research</i> , 0, 832, 160-165.	0.3	28
158	Optical properties and stability of water-based nanofluids mixed with reduced graphene oxide decorated with silver and energy performance investigation in hybrid photovoltaic/thermal solar systems. <i>International Journal of Energy Research</i> , 2020, 44, 11487-11508.	4.5	28
159	An Analysis of Energy, Exergy, and Sustainable Development of a Vapor Compression Refrigeration System Using Hydrocarbon. <i>International Journal of Green Energy</i> , 2012, 9, 702-717.	3.8	27
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