

# 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	Hydrogen-rich syngas production from bi-reforming of greenhouse gases over zirconia modified Ni/MgO catalyst. International Journal of Energy Research, 2022, 46, 2529-2545.	4.5	14
2	A Review of Recent Developments and Applications of Compound Parabolic Concentrator-Based Hybrid Solar Photovoltaic/Thermal Collectors. Sustainability, 2022, 14, 5529.	3.2	10
3	Investigation of the performance of a hybrid PV/thermal system using water/silver nanofluid-based optical filter. Energy, 2021, 215, 119172.	8.8	34
4	Thermodynamic and Energy Efficiency Analysis of a Domestic Refrigerator Using Al <sub>2</sub> O <sub>3</sub> Nano-Refrigerant. Sustainability, 2021, 13, 5659.	3.2	11
5	Energy and exergy assessment with updated Reistad estimates: A case study in the transportation sector of Bangladesh. Energy Science and Engineering, 2021, 9, 1349-1358.	4.0	13
6	Analysis of Energy Use and Energy Savings: A Case Study of a Condiment Industry in India. Energies, 2021, 14, 4798.	3.1	2
7	A Comparative Study of Cytotoxicity of PPG and PEG Surface-Modified 2-D Ti <sub>3</sub> C <sub>2</sub> MXene Flakes on Human Cancer Cells and Their Photothermal Response. Materials, 2021, 14, 4370.	2.9	17
8	New magnetic Co <sub>3</sub> O <sub>4</sub> /Fe <sub>3</sub> O <sub>4</sub> doped polyaniline nanocomposite for the effective and rapid removal of nitrate ions from ground water samples. Environmental Progress and Sustainable Energy, 2020, 39, 13306.	2.3	10
9	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.	8.1	113
10	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. International Journal of Energy Research, 2020, 44, 11487-11508.	4.5	28
11	Optimization of electrocatalyst performance of platinum-ruthenium induced with MXene by response surface methodology for clean energy application. Journal of Cleaner Production, 2020, 277, 123395.	9.3	37
12	Optical, stability and energy performance of water-based MXene nanofluids in hybrid PV/thermal solar systems. Solar Energy, 2020, 204, 32-47.	6.1	81
13	Preparation of activated carbon from biomass and its™ applications in water and gas purification, a review. Arab Journal of Basic and Applied Sciences, 2020, 27, 208-238.	2.1	184
14	Biochar characterization of invasive Pennisetum purpureum grass: effect of pyrolysis temperature. Biochar, 2020, 2, 239-251.	12.6	61
15	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.	5.8	34
16	Economic assessment and ranking of wind power potential using fuzzy-TOPSIS approach. Environmental Science and Pollution Research, 2019, 26, 22494-22511.	5.3	88
17	Evaluation of the effects of optical filtration and nanoPCM on the performance of a hybrid photovoltaic-thermal solar collector. Energy Conversion and Management, 2019, 195, 139-156.	9.2	32
18	Boron Nitride Doped Polyhydroxyalkanoate/Chitosan Nanocomposite for Antibacterial and Biological Applications. Nanomaterials, 2019, 9, 645.	4.1	40

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19	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
20	A Facile Synthesis of Hematite Nanorods from Rice Starch and Their Application to Pb(II) Ions Removal. <i>ChemistrySelect</i> , 2019, 4, 3730-3736.	1.5	10
21	Supercooling of phase-change materials and the techniques used to mitigate the phenomenon. <i>Applied Energy</i> , 2019, 240, 793-817.	10.1	199
22	Synthesis, characterization and antibacterial activity of novel poly(silyl ether)s based on palm and soy oils. <i>Polimeros</i> , 2018, 28, 406-412.	0.7	8
23	Fabrication and Characterization of an Electrospun PHA/Graphene Silver Nanocomposite Scaffold for Antibacterial Applications. <i>Materials</i> , 2018, 11, 1673.	2.9	42
24	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
25	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
26	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
27	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
28	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
29	Techno-economic evaluation of energy efficiency measures in high rise residential buildings in Malaysia. <i>Clean Technologies and Environmental Policy</i> , 2014, 16, 23-35.	4.1	6
30	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
31	Unsteady natural convection in Al <sub>2</sub> O <sub>3</sub> -water nanofluid filled in isosceles triangular enclosure with sinusoidal thermal boundary condition on bottom wall. <i>Superlattices and Microstructures</i> , 2014, 67, 181-196.	3.1	15
32	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
33	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
34	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
35	A review on development of solar drying applications. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 31, 133-148.	16.4	158
36	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

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37	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
38	Exergetic analysis of a solar thermal power system with PCM storage. <i>Energy Conversion and Management</i> , 2014, 78, 486-492.	9.2	94
39	Numerical Simulation of Unsteady Heat Transfer in a Half-Moon Shape Enclosure with Variable Thermal Boundary Condition for Different Nanofluids. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2014, 65, 282-301.	0.9	13
40	Effect of Ultrasonication Duration on Colloidal Structure and Viscosity of Aluminaâ€‘Water Nanofluid. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 6677-6684.	3.7	161
41	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
42	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
43	Energy, Exergy, and Friction Factor Analysis of Nanofluid as a Coolant for Electronics. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 10512-10518.	3.7	13
44	Performance study of different solar dryers: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 34, 463-470.	16.4	159
45	Thermal conductivity variation for methanol based nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2014, 76, 350-356.	4.8	99
46	Energy and Environmental Effects of Shell and Tube Heat Exchanger by Using Nanofluid as a Coolant&lt;sup>â€‘&lt;/sup>. <i>Journal of Chemical Engineering of Japan</i> , 2014, 47, 340-344.	0.6	11
47	Solar energy harvesting with the application of nanotechnology. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 26, 837-852.	16.4	185
48	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
49	A review on exergy analysis of industrial sector. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 27, 198-203.	16.4	77
50	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
51	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
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	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
54	Effect of Heat-Generating Solid Body on Mixed Convection Flow in a Ventilated Cavity. <i>Heat Transfer Engineering</i> , 2013, 34, 1249-1261.	1.9	14

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55	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
56	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
57	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
58	Analysis of a thermal energy storage system for air cooling&#x2014;heating application through cylindrical tube. <i>Energy Conversion and Management</i> , 2013, 76, 732-737.	9.2	15
59	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
60	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
61	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
62	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
63	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
64	Unsteady buoyancy-driven heat transfer enhancement of nanofluids in an inclined triangular enclosure. <i>International Communications in Heat and Mass Transfer</i> , 2013, 49, 115-127.	5.6	19
65	Global policy of rural electrification. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 19, 402-416.	16.4	110
66	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
67	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
68	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
69	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
70	Technical characteristic analysis of wind energy conversion systems for sustainable development. <i>Energy Conversion and Management</i> , 2013, 69, 87-94.	9.2	38
71	Progress and recent trends of wind energy technology. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 21, 456-468.	16.4	304
72	Migration Properties of TiO <sub>2</sub> Nanoparticles during the Pool Boiling of Nanorefrigerants. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 6032-6038.	3.7	27

#	ARTICLE	IF	CITATIONS
73	A review of solar thermal refrigeration and cooling methods. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 24, 499-513.	16.4	184
74	Potential application of renewable energy for rural electrification in Malaysia. <i>Renewable Energy</i> , 2013, 59, 210-219.	8.9	132
75	Renewable energy policies for sustainable development in Cambodia. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 22, 223-229.	16.4	24
76	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
77	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
78	Curbing global warming with phase change materials for energy storage. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 18, 23-30.	16.4	149
79	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
80	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
81	Thermal Conductivity, Viscosity and Density of R141b Refrigerant based Nanofluid. <i>Procedia Engineering</i> , 2013, 56, 310-315.	1.2	113
82	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
83	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
84	An overview of energy savings measures for cement industries. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 19, 18-29.	16.4	132
85	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
86	Radiative properties of nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2013, 46, 74-84.	5.6	63
87	Alternative energy resources in Bangladesh and future prospect. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 25, 698-707.	16.4	90
88	Electrical model to predict current-voltage behaviours of lithium ferro phosphate batteries using a transient response correction method. <i>Journal of Power Sources</i> , 2013, 221, 201-209.	7.8	20
89	Performance Analysis of a Solar Collector Using Nanofluids. <i>Advanced Materials Research</i> , 2013, 832, 107-112.	0.3	7
90	An Analysis of Actual Energy Savings in an Indian Cement Industry Through an Energy Efficiency Index. <i>International Journal of Green Energy</i> , 2012, 9, 829-840.	3.8	3

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91	An overview of hydrogen as a vehicle fuel. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 5511-5528.	16.4	242
92	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
93	Cooling of minichannel heat sink using nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 1188-1194.	5.6	85
94	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
95	Survey of grid-connected photovoltaic inverters and related systems. <i>Clean Technologies and Environmental Policy</i> , 2012, 14, 521-533.	4.1	12
96	An energy flow analysis in a paper-based industry. <i>Clean Technologies and Environmental Policy</i> , 2012, 14, 905-916.	4.1	13
97	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
98	Heat Transfer and Pressure Drop Characteristics in Turbulent Flow Through a Tube. <i>Experimental Heat Transfer</i> , 2012, 25, 301-322.	3.2	7
99	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
100	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
101	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
102	Cost-benefit analysis of using cold thermal energy storage systems in building applications. <i>Energy Procedia</i> , 2012, 14, 493-498.	1.8	16
103	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
104	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
105	Magnetohydrodynamic natural convection in trapezoidal cavities. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 1384-1394.	5.6	73
106	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
107	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
108	Technologies to recover exhaust heat from internal combustion engines. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 5649-5659.	16.4	313

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109	Energy, exergy and environmental analysis of cold thermal energy storage (CTES) systems. Renewable and Sustainable Energy Reviews, 2012, 16, 5741-5746.	16.4	44
110	Laminar Mixed Convection in Inclined Triangular Enclosures Filled with Water Based Cu Nanofluid. Industrial & Engineering Chemistry Research, 2012, 51, 4090-4100.	3.7	27
111	Thermal and hydrodynamic performance analysis of circular microchannel heat exchanger utilizing nanofluids. International Journal of Numerical Methods for Heat and Fluid Flow, 2012, 22, 907-927.	2.8	10
112	Buoyancy-assisted mixed convective flow over backward-facing step in a vertical duct using nanofluids. Thermophysics and Aeromechanics, 2012, 19, 33-52.	0.5	18
113	Energy, economic, and environmental analysis of the Malaysian industrial compressed-air systems. Clean Technologies and Environmental Policy, 2012, 14, 195-210.	4.1	11
114	Computational analysis of mixed convection in a channel with a cavity heated from different sides. International Communications in Heat and Mass Transfer, 2012, 39, 78-84.	5.6	31
115	Heat transfer enhancement and development of correlation for turbulent flow through a tube with triple helical tape inserts. International Communications in Heat and Mass Transfer, 2012, 39, 94-101.	5.6	50
116	Performance investigation of nanofluids as working fluid in a thermosyphon air preheater. International Communications in Heat and Mass Transfer, 2012, 39, 523-529.	5.6	24
117	Latest developments on the viscosity of nanofluids. International Journal of Heat and Mass Transfer, 2012, 55, 874-885.	4.8	516
118	Modeling of shell and tube heat recovery exchanger operated with nanofluid based coolants. International Journal of Heat and Mass Transfer, 2012, 55, 808-816.	4.8	77
119	MHD natural convection in an enclosure from two semi-circular heaters on the bottom wall. International Journal of Heat and Mass Transfer, 2012, 55, 1844-1854.	4.8	50
120	Application of Computational Fluid Dynamics (CFD) for nanofluids. International Journal of Heat and Mass Transfer, 2012, 55, 4104-4115.	4.8	229
121	Effects of Reynolds and Prandtl number on mixed convection in a ventilated cavity with a heat-generating solid circular block. Applied Mathematical Modelling, 2012, 36, 2056-2066.	4.2	46
122	Nanofluid as a coolant for electronic devices (cooling of electronic devices). Applied Thermal Engineering, 2012, 32, 76-82.	6.0	218
123	A review on exergy analysis of biomass based fuels. Renewable and Sustainable Energy Reviews, 2012, 16, 1217-1222.	16.4	126
124	Exergy analysis of solar energy applications. Renewable and Sustainable Energy Reviews, 2012, 16, 350-356.	16.4	175
125	Solar energy in Malaysia: Current state and prospects. Renewable and Sustainable Energy Reviews, 2012, 16, 386-396.	16.4	269
126	Applications of variable speed drive (VSD) in electrical motors energy savings. Renewable and Sustainable Energy Reviews, 2012, 16, 543-550.	16.4	177



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127	An exergy analysis for cement industries: An overview. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 921-932.	16.4	94
128	Comparative study of different fuel cell technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 981-989.	16.4	657
129	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
130	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
131	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
132	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
133	An overview of different distillation methods for small scale applications. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 4756-4764.	16.4	66
134	Chillers energy consumption, energy savings and emission analysis in an institutional buildings. <i>Energy</i> , 2011, 36, 5233-5238.	8.8	77
135	An application of energy and exergy analysis in agricultural sector of Malaysia. <i>Energy Policy</i> , 2011, 39, 7922-7929.	8.8	51
136	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
137	Impacts of energy efficiency standard on motor energy savings and emission reductions. <i>Clean Technologies and Environmental Policy</i> , 2011, 13, 103-109.	4.1	14
138	Assessment of wind energy potentiality at Kudat and Labuan, Malaysia using Weibull distribution function. <i>Energy</i> , 2011, 36, 985-992.	8.8	234
139	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
140	Energy savings and emissions reductions for rewinding and replacement of industrial motor. <i>Energy</i> , 2011, 36, 233-240.	8.8	127
141	Analysis of electrical motors load factors and energy savings in an Indian cement industry. <i>Energy</i> , 2011, 36, 4307-4314.	8.8	50
142	Exergy analysis for day lighting, electric lighting and space cooling systems for a room space in a tropical climate. <i>Energy and Buildings</i> , 2011, 43, 1676-1684.	6.7	13
143	Magneto-hydrodynamic 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
144	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

#	ARTICLE	IF	CITATIONS
145	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
146	A review on energy saving strategies in industrial sector. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 150-168.	16.4	602
147	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
148	A review on applications and challenges of nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 1646-1668.	16.4	1,521
149	A review on exergy analysis of vapor compression refrigeration system. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 1593-1600.	16.4	287
150	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
151	A review on solar energy use in industries. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 1777-1790.	16.4	776
152	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
153	A review on global solar energy policy. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 2149-2163.	16.4	882
154	A review on electrical and thermal energy for industries. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 2073-2086.	16.4	30
155	A review on kiln system modeling. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 2487-2500.	16.4	45
156	A review on emission analysis in cement industries. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 2252-2261.	16.4	573
157	A review on biomass as a fuel for boilers. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 2262-2289.	16.4	1,201
158	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
159	Environmental impact of wind energy. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 2423-2430.	16.4	416
160	Biomass energy in Malaysia: Current state and prospects. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 3360-3370.	16.4	143
161	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
162	Analysis of magnetohydrodynamic mixed convection and joule heating in lid-driven cavity having a square block. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2011, 34, 585-599.	1.1	11

#	ARTICLE	IF	CITATIONS
163	Energy savings and emission reductions in industrial boilers. <i>Thermal Science</i> , 2011, 15, 705-719.	1.1	12
164	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
165	Energy use, energy savings and emission analysis in the Malaysian rubber producing industries. <i>Applied Energy</i> , 2010, 87, 2746-2758.	10.1	77
166	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
167	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
168	A review on electrical motors energy use and energy savings. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 877-898.	16.4	357
169	A review on compressed-air energy use and energy savings. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 1135-1153.	16.4	349
170	A review on global wind energy policy. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 1744-1762.	16.4	337
171	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
172	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
173	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
174	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
175	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
176	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
177	An end-use energy analysis in a Malaysian public hospital. <i>Energy</i> , 2010, 35, 4780-4785.	8.8	86
178	Energy, exergy and economic analysis of industrial boilers. <i>Energy Policy</i> , 2010, 38, 2188-2197.	8.8	233
179	Energy consumption, energy savings, and emission analysis in Malaysian office buildings. <i>Energy Policy</i> , 2009, 37, 4104-4113.	8.8	241
180	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

#	ARTICLE	IF	CITATIONS
181	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
182	End-use energy analysis in the Malaysian industrial sector. <i>Energy</i> , 2009, 34, 153-158.	8.8	81
183	Energy and emission analysis for industrial motors in Malaysia. <i>Energy Policy</i> , 2009, 37, 3650-3658.	8.8	99
184	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
185	Exergy analysis of evaporative cooling for reducing energy use in a Malaysian building. <i>Desalination</i> , 2007, 209, 238-243.	8.2	29
186	An application of energy and exergy analysis in residential sector of Malaysia. <i>Energy Policy</i> , 2007, 35, 1050-1063.	8.8	199
187	Energy and associated greenhouse gas emissions from household appliances in Malaysia. <i>Energy Policy</i> , 2007, 35, 1648-1657.	8.8	80
188	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
189	Energy and exergy analysis at the utility and commercial sectors of Malaysia. <i>Energy Policy</i> , 2007, 35, 1956-1966.	8.8	54
190	Analysis of energy and exergy use for process heating in the industrial sector of Malaysia. <i>International Journal of Exergy</i> , 2006, 3, 119.	0.4	17
191	Labeling design effort for household refrigerator-freezers in Malaysia. <i>Energy Policy</i> , 2005, 33, 611-618.	8.8	22
192	Energy labeling for electric fans in Malaysia. <i>Energy Policy</i> , 2005, 33, 63-68.	8.8	16
193	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
194	Projected electricity savings from implementing minimum energy efficiency standard for household refrigerators in Malaysia. <i>Energy</i> , 2003, 28, 751-754.	8.8	26
195	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
196	Potential CO <sub>2</sub> reduction by fuel substitution to generate electricity in Malaysia. <i>Energy Conversion and Management</i> , 2002, 43, 763-770.	9.2	25
197	The applicability of ISO household refrigerator-freezer energy test specifications in Malaysia. <i>Energy</i> , 2001, 26, 723-737.	8.8	33
198	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

#	ARTICLE	IF	CITATIONS
199	Energy Economical and Environmental Analysis of Industrial Boilers Using VSD. Applied Mechanics and Materials, 0, 110-116, 3223-3233.	0.2	0
200	Energy Savings Measures for Clinker Production in Cement Industry. Advanced Materials Research, 0, 347-353, 3120-3125.	0.3	0
201	Heat Transfer Performance of Different Nanofluids Flows in a Helically Coiled Heat Exchanger. Advanced Materials Research, 0, 832, 160-165.	0.3	28
202	Potential of Size Reduction of Flat-Plate Solar Collectors when Applying Al <sub>2</sub> O <sub>3</sub> Nanofluid. Advanced Materials Research, 0, 832, 149-153.	0.3	21
203	Global Effects of MWCNT-W Nanofluid in a Shell & Tube Heat Exchanger. Advanced Materials Research, 0, 832, 154-159.	0.3	7