

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

243  
papers

10,276  
citations

47  
h-index

94  
g-index

246  
ext. papers

12,287  
ext. citations

6.5  
avg, IF

7.11  
L-index

#	Paper	IF	Citations
243	Current status of research on optimum sizing of stand-alone hybrid solar-wind power generation systems. <i>Applied Energy</i> , <b>2010</b> , 87, 380-389	10.7	600
242	Optimal sizing method for stand-alone hybrid solar-wind system with LPSP technology by using genetic algorithm. <i>Solar Energy</i> , <b>2008</b> , 82, 354-367	6.8	562
241	A novel optimization sizing model for hybrid solar-wind power generation system. <i>Solar Energy</i> , <b>2007</b> , 81, 76-84	6.8	472
240	Review on life cycle assessment of energy payback and greenhouse gas emission of solar photovoltaic systems. <i>Renewable and Sustainable Energy Reviews</i> , <b>2013</b> , 19, 255-274	16.2	413
239	A feasibility study of a stand-alone hybrid solar-wind-battery system for a remote island. <i>Applied Energy</i> , <b>2014</b> , 121, 149-158	10.7	366
238	Technical feasibility study on a standalone hybrid solar-wind system with pumped hydro storage for a remote island in Hong Kong. <i>Renewable Energy</i> , <b>2014</b> , 69, 7-15	8.1	224
237	Pumped storage-based standalone photovoltaic power generation system: Modeling and techno-economic optimization. <i>Applied Energy</i> , <b>2015</b> , 137, 649-659	10.7	223
236	Using phase change materials in photovoltaic systems for thermal regulation and electrical efficiency improvement: A review and outlook. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 43, 1273-1284	16.2	221
235	Weather data and probability analysis of hybrid photovoltaic-wind power generation systems in Hong Kong. <i>Renewable Energy</i> , <b>2003</b> , 28, 1813-1824	8.1	215
234	Experimental investigation of the impact of airborne dust deposition on the performance of solar photovoltaic (PV) modules. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 4299-4304	5.3	208
233	Investigation on wind power potential on Hong Kong islands—An analysis of wind power and wind turbine characteristics. <i>Renewable Energy</i> , <b>2002</b> , 27, 1-12	8.1	205
232	Feasibility study and economic analysis of pumped hydro storage and battery storage for a renewable energy powered island. <i>Energy Conversion and Management</i> , <b>2014</b> , 79, 387-397	10.6	192
231	Reusable and Recyclable Graphene Masks with Outstanding Superhydrophobic and Photothermal Performances. <i>ACS Nano</i> , <b>2020</b> , 14, 6213-6221	16.7	179
230	Development of a model to simulate the performance characteristics of crystalline silicon photovoltaic modules/strings/arrays. <i>Solar Energy</i> , <b>2014</b> , 100, 31-41	6.8	168
229	Development of hybrid battery-supercapacitor energy storage for remote area renewable energy systems. <i>Applied Energy</i> , <b>2015</b> , 153, 56-62	10.7	157
228	A comprehensive review on passive design approaches in green building rating tools. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 50, 1425-1436	16.2	151
227	Numerical investigation of the energy saving potential of a semi-transparent photovoltaic double-skin facade in a cool-summer Mediterranean climate. <i>Applied Energy</i> , <b>2016</b> , 165, 345-356	10.7	141

226	Environmental payback time analysis of a roof-mounted building-integrated photovoltaic (BIPV) system in Hong Kong. <i>Applied Energy</i> , <b>2010</b> , 87, 3625-3631	10.7	135
225	Optimal design of an autonomous solar-wind-pumped storage power supply system. <i>Applied Energy</i> , <b>2015</b> , 160, 728-736	10.7	134
224	Solar photovoltaic system modeling and performance prediction. <i>Renewable and Sustainable Energy Reviews</i> , <b>2014</b> , 36, 304-315	16.2	134
223	Optimization of wind turbine layout position in a wind farm using a newly-developed two-dimensional wake model. <i>Applied Energy</i> , <b>2016</b> , 174, 192-200	10.7	114
222	Investigation on the annual thermal performance of a photovoltaic wall mounted on a multi-layer facade. <i>Applied Energy</i> , <b>2013</b> , 112, 646-656	10.7	105
221	An experimental study of the thermal performance of a novel photovoltaic double-skin facade in Hong Kong. <i>Solar Energy</i> , <b>2013</b> , 97, 293-304	6.8	99
220	Comparative study of the thermal and power performances of a semi-transparent photovoltaic facade under different ventilation modes. <i>Applied Energy</i> , <b>2015</b> , 138, 572-583	10.7	94
219	Investigation on the development potential of rooftop PV system in Hong Kong and its environmental benefits. <i>Renewable and Sustainable Energy Reviews</i> , <b>2013</b> , 27, 149-162	16.2	94
218	Optimum design of shading-type building-integrated photovoltaic claddings with different surface azimuth angles. <i>Applied Energy</i> , <b>2012</b> , 90, 233-240	10.7	89
217	Overall energy performance of semi-transparent single-glazed photovoltaic (PV) window for a typical office in Hong Kong. <i>Renewable Energy</i> , <b>2013</b> , 49, 250-254	8.1	88
216	Long term operation of a solar assisted ground coupled heat pump system for space heating and domestic hot water. <i>Energy and Buildings</i> , <b>2011</b> , 43, 1835-1844	7	88
215	Investigation on the feasibility and enhancement methods of wind power utilization in high-rise buildings of Hong Kong. <i>Renewable and Sustainable Energy Reviews</i> , <b>2009</b> , 13, 450-461	16.2	86
214	Performance evaluation of a stand-alone photovoltaic system on an isolated island in Hong Kong. <i>Applied Energy</i> , <b>2013</b> , 112, 663-672	10.7	84
213	Numerical evaluation of the mixed convective heat transfer in a double-pane window integrated with see-through a-Si PV cells with low-e coatings. <i>Applied Energy</i> , <b>2010</b> , 87, 3431-3437	10.7	82
212	Study on offshore wind power potential and wind farm optimization in Hong Kong. <i>Applied Energy</i> , <b>2014</b> , 130, 519-531	10.7	81
211	Wind turbine layout optimization using multi-population genetic algorithm and a case study in Hong Kong offshore. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2015</b> , 139, 89-99	3.7	78
210	Experimental studies on a ground coupled heat pump with solar thermal collectors for space heating. <i>Energy</i> , <b>2011</b> , 36, 5292-5300	7.9	78
209	A review of the mathematical models for predicting the heat and mass transfer process in the liquid desiccant dehumidifier. <i>Renewable and Sustainable Energy Reviews</i> , <b>2014</b> , 31, 587-599	16.2	73

208	Numerical investigation of dust pollution on a solar photovoltaic (PV) system mounted on an isolated building. <i>Applied Energy</i> , <b>2016</b> , 180, 27-36	10.7	73
207	Investigation on air-conditioning load profile and energy consumption of desiccant cooling system for commercial buildings in Hong Kong. <i>Energy and Buildings</i> , <b>2012</b> , 49, 509-518	7	70
206	Comparison of the overall energy performance of semi-transparent photovoltaic windows and common energy-efficient windows in Hong Kong. <i>Energy and Buildings</i> , <b>2016</b> , 128, 511-518	7	65
205	The Optimum Tilt Angles and Orientations of PV Claddings for Building-Integrated Photovoltaic (BIPV) Applications. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , <b>2007</b> , 129, 253-255	2.3	65
204	Estimation of Hong Kong's solar energy potential using GIS and remote sensing technologies. <i>Renewable Energy</i> , <b>2016</b> , 99, 325-335	8.1	63
203	Performance of ventilated double-sided PV façade compared with conventional clear glass façade. <i>Energy and Buildings</i> , <b>2013</b> , 56, 204-209	7	62
202	A novel model to estimate the cleaning frequency for dirty solar photovoltaic (PV) modules in desert environment. <i>Solar Energy</i> , <b>2016</b> , 140, 236-240	6.8	61
201	Energy performance of solar-assisted liquid desiccant air-conditioning system for commercial building in main climate zones. <i>Energy Conversion and Management</i> , <b>2014</b> , 88, 749-757	10.6	54
200	Assessment of energy performance of semi-transparent PV insulating glass units using a validated simulation model. <i>Energy</i> , <b>2016</b> , 112, 538-548	7.9	52
199	Investigation on heat transfer around buried coils of pile foundation heat exchangers for ground-coupled heat pump applications. <i>International Journal of Heat and Mass Transfer</i> , <b>2012</b> , 55, 6023-6031	4.9	51
198	A review of correlations and enhancement approaches for heat and mass transfer in liquid desiccant dehumidification system. <i>Applied Energy</i> , <b>2019</b> , 239, 757-784	10.7	50
197	Evaluation of potential benefits of solar photovoltaic shadings in Hong Kong. <i>Energy</i> , <b>2017</b> , 137, 1152-1158	10.7	48
196	A review and outlook for integrated BIM application in green building assessment. <i>Sustainable Cities and Society</i> , <b>2019</b> , 48, 101576	10.1	47
195	Thermal and economic evaluation of thermocline combined sensible-latent heat thermal energy storage system for medium temperature applications. <i>Energy Conversion and Management</i> , <b>2019</b> , 189, 14-23	10.6	47
194	Development of simplified prediction model for internally cooled/heated liquid desiccant dehumidification system. <i>Energy and Buildings</i> , <b>2013</b> , 59, 133-142	7	47
193	Validation of the Sandia model with indoor and outdoor measurements for semi-transparent amorphous silicon PV modules. <i>Renewable Energy</i> , <b>2015</b> , 80, 316-323	8.1	46
192	Plasmonic and Superhydrophobic Self-Decontaminating N95 Respirators. <i>ACS Nano</i> , <b>2020</b> , 14, 8846-8854	6.7	46
191	The analysis on solid cylindrical heat source model of foundation pile ground heat exchangers with groundwater flow. <i>Energy</i> , <b>2013</b> , 55, 417-425	7.9	46

190	Study on stand-alone power supply options for an isolated community. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2015</b> , 65, 1-11	5.1	45
189	Investigation on wetted area and film thickness for falling film liquid desiccant regeneration system. <i>Applied Energy</i> , <b>2013</b> , 112, 93-101	10.7	45
188	A new environmental friendly silver front contact paste for crystalline silicon solar cells. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 549, 221-225	5.7	44
187	Energy consumption and optimization of internally cooled/heated liquid desiccant air-conditioning system: A case study in Hong Kong. <i>Energy</i> , <b>2014</b> , 73, 801-808	7.9	43
186	Liquid desiccant dehumidifier: Development of a new performance predication model based on CFD. <i>International Journal of Heat and Mass Transfer</i> , <b>2014</b> , 69, 408-416	4.9	42
185	Dynamic and microscopic simulation of the counter-current flow in a liquid desiccant dehumidifier. <i>Applied Energy</i> , <b>2014</b> , 136, 1018-1025	10.7	42
184	An energy system model for Hong Kong in 2020. <i>Energy</i> , <b>2014</b> , 68, 301-310	7.9	42
183	Energy and economic performance analysis of an open cycle solar desiccant dehumidification air-conditioning system for application in Hong Kong. <i>Solar Energy</i> , <b>2010</b> , 84, 2085-2095	6.8	42
182	Study on spiral source models revealing groundwater transfusion effects on pile foundation ground heat exchangers. <i>International Journal of Heat and Mass Transfer</i> , <b>2015</b> , 84, 119-129	4.9	40
181	Wind power evaluation and utilization over a reference high-rise building in urban area. <i>Energy and Buildings</i> , <b>2014</b> , 68, 339-350	7	40
180	A numerical study of particle deposition in ribbed duct flow with different rib shapes. <i>Building and Environment</i> , <b>2015</b> , 94, 43-53	6.5	39
179	Analyzing wind cleaning process on the accumulated dust on solar photovoltaic (PV) modules on flat surfaces. <i>Solar Energy</i> , <b>2018</b> , 159, 1031-1036	6.8	39
178	Experimental study on dehumidification performance enhancement by TiO <sub>2</sub> superhydrophilic coating for liquid desiccant plate dehumidifiers. <i>Building and Environment</i> , <b>2017</b> , 124, 219-231	6.5	39
177	Developing a method and simulation model for evaluating the overall energy performance of a ventilated semi-transparent photovoltaic double-skin facade. <i>Progress in Photovoltaics: Research and Applications</i> , <b>2016</b> , 24, 781-799	6.8	39
176	Experimental study of internally cooled liquid desiccant dehumidification: Application in Hong Kong and intensive analysis of influencing factors. <i>Building and Environment</i> , <b>2015</b> , 93, 210-220	6.5	37
175	Effects of rib spacing and height on particle deposition in ribbed duct air flows. <i>Building and Environment</i> , <b>2015</b> , 92, 317-327	6.5	37
174	Optimization of thermal performance in thermocline tank thermal energy storage system with the multilayered PCM(s) for CSP tower plants. <i>Applied Energy</i> , <b>2019</b> , 243, 175-190	10.7	36
173	Parameter analysis and optimization of the energy and economic performance of solar-assisted liquid desiccant cooling system under different climate conditions. <i>Energy Conversion and Management</i> , <b>2015</b> , 106, 1387-1395	10.6	36

172	Thermal behavior of a novel type see-through glazing system with integrated PV cells. <i>Building and Environment</i> , <b>2009</b> , 44, 2129-2136	6.5	36
171	A new analytical heat transfer model for deep borehole heat exchangers with coaxial tubes. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 141, 1056-1065	4.9	35
170	The research on ring-coil heat transfer models of pile foundation ground heat exchangers in the case of groundwater seepage. <i>Energy and Buildings</i> , <b>2014</b> , 71, 115-128	7	35
169	Long term performance analysis of a standalone photovoltaic system under real conditions. <i>Applied Energy</i> , <b>2017</b> , 201, 320-331	10.7	34
168	CFD investigation on particle deposition in aligned and staggered ribbed duct air flows. <i>Applied Thermal Engineering</i> , <b>2016</b> , 93, 697-706	5.8	33
167	Numerical investigation on particle deposition enhancement in duct air flow by ribbed wall. <i>Building and Environment</i> , <b>2015</b> , 85, 61-72	6.5	33
166	Influence of Phase-Shift and Overlap Ratio on Savonius Wind Turbine Performance. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , <b>2012</b> , 134,	2.3	33
165	Investigation on the dynamic characteristics of the counter-current flow for liquid desiccant dehumidification. <i>Energy</i> , <b>2016</b> , 101, 229-238	7.9	33
164	Investigation on the thermal performance of different lightweight roofing structures and its effect on space cooling load. <i>Applied Thermal Engineering</i> , <b>2009</b> , 29, 2491-2499	5.8	31
163	Wind turbine power modelling and optimization using artificial neural network with wind field experimental data. <i>Applied Energy</i> , <b>2020</b> , 280, 115880	10.7	31
162	Investigation on the dehumidification performance of LiCl/H <sub>2</sub> O-MWNTs nanofluid in a falling film dehumidifier. <i>Building and Environment</i> , <b>2018</b> , 139, 8-16	6.5	31
161	Enhancing the dehumidification performance of LiCl solution with surfactant PVP-K30. <i>Energy and Buildings</i> , <b>2018</b> , 171, 183-195	7	31
160	Investigation on influential factors of engineering design of geothermal heat exchangers. <i>Applied Thermal Engineering</i> , <b>2015</b> , 84, 310-319	5.8	30
159	A computational investigation of particle distribution and deposition in a 90° bend incorporating a particle-wall model. <i>Building and Environment</i> , <b>2011</b> , 46, 1251-1262	6.5	30
158	Fundamentals and applications of CFD technology on analyzing falling film heat and mass exchangers: A comprehensive review. <i>Applied Energy</i> , <b>2020</b> , 261, 114473	10.7	30
157	Numerical and analytical analysis of groundwater influence on the pile geothermal heat exchanger with cast-in spiral coils. <i>Applied Energy</i> , <b>2015</b> , 160, 705-714	10.7	29
156	Thermal performance analysis of thermocline combined sensible-latent heat storage system using cascaded-layered PCM designs for medium temperature applications. <i>Renewable Energy</i> , <b>2020</b> , 152, 684-697	8.1	29
155	Investigation on the regeneration performance of liquid desiccant by adding surfactant PVP-K30. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 123, 445-454	4.9	29

154	Investigation into the optimal wind turbine layout patterns for a Hong Kong offshore wind farm. <i>Energy</i> , <b>2014</b> , 73, 430-442	7.9	29
153	Model development of heat/mass transfer for internally cooled dehumidifier concerning liquid film shrinkage shape and contact angles. <i>Building and Environment</i> , <b>2017</b> , 114, 11-22	6.5	28
152	Investigation into the relationship of the overlap ratio and shift angle of double stage three bladed vertical axis wind turbine (VAWT). <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2012</b> , 107-108, 57-75	3.7	28
151	A Study on Simulations of the Power Output and Practical Models for Building Integrated Photovoltaic Systems. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , <b>2004</b> , 126, 929-935	2.3	28
150	Development and experimental study of a novel plate dehumidifier made of anodized aluminum. <i>Energy</i> , <b>2018</b> , 144, 169-177	7.9	28
149	TiO <sub>2</sub> /antimony-doped tin oxide: Highly water-dispersed nano composites with excellent IR insulation and super-hydrophilic property. <i>Solar Energy Materials and Solar Cells</i> , <b>2018</b> , 174, 499-508	6.4	27
148	Simulation of particle deposition in ventilation duct with a particle-wall impact model. <i>Building and Environment</i> , <b>2010</b> , 45, 1184-1191	6.5	27
147	Preparation and overall energy performance assessment of wide waveband two-component transparent NIR shielding coatings. <i>Solar Energy Materials and Solar Cells</i> , <b>2017</b> , 168, 119-129	6.4	26
146	Performance evaluation of a double-pipe heat exchanger fitted with self-rotating twisted tapes. <i>Applied Thermal Engineering</i> , <b>2019</b> , 158, 113770	5.8	24
145	Influence of plate surface temperature on the wetted area and system performance for falling film liquid desiccant regeneration system. <i>International Journal of Heat and Mass Transfer</i> , <b>2013</b> , 64, 1003-1013	4.9	24
144	Performance Evaluation of Vacuum Photovoltaic Insulated Glass Unit. <i>Energy Procedia</i> , <b>2017</b> , 105, 322-326	3.6	24
143	First order multivariate Markov chain model for generating annual weather data for Hong Kong. <i>Energy and Buildings</i> , <b>2011</b> , 43, 2371-2377	7	24
142	Experimental and numerical study on the regeneration performance of LiCl solution with surfactant and nanoparticles. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 127, 154-164	4.9	23
141	Experimental study and numerical investigation of particle penetration and deposition in 90° bent ventilation ducts. <i>Building and Environment</i> , <b>2011</b> , 46, 2195-2202	6.5	23
140	Development of radiative cooling and its integration with buildings: A comprehensive review. <i>Solar Energy</i> , <b>2020</b> , 212, 125-151	6.8	22
139	A novel composite-medium solution for pile geothermal heat exchangers with spiral coils. <i>International Journal of Heat and Mass Transfer</i> , <b>2016</b> , 93, 760-769	4.9	21
138	A numerical study of bend-induced particle deposition in and behind duct bends. <i>Building and Environment</i> , <b>2012</b> , 52, 77-87	6.5	21
137	Modeling and performance analysis of a fully solar-powered stand-alone sweeping gas membrane distillation desalination system for island and coastal households. <i>Energy Conversion and Management</i> , <b>2020</b> , 205, 112375	10.6	21



136	An integrated life cycle assessment of different façade systems for a typical residential building in Ghana. <i>Sustainable Cities and Society</i> , <b>2020</b> , 53, 101974	10.1	21
135	Investigating dehumidification performance of solar-assisted liquid desiccant dehumidifiers considering different surface properties. <i>Energy</i> , <b>2018</b> , 164, 978-994	7.9	21
134	Particle flow behavior of distribution and deposition throughout 90° bends: Analysis of influencing factors. <i>Journal of Aerosol Science</i> , <b>2013</b> , 65, 26-41	4.3	20
133	Development and investigation on the dehumidification and corrosion resistance performance of a new mixed liquid desiccant. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 130, 72-82	4.9	19
132	Experimental investigation on deposition reduction of different types of dust on solar PV cells by self-cleaning coatings. <i>Solar Energy</i> , <b>2020</b> , 206, 365-373	6.8	19
131	Numerical simulation of particle deposition in duct air flows with uniform, expanding or contracting cross-section. <i>Energy and Buildings</i> , <b>2016</b> , 128, 867-875	7	19
130	A new analytical solution for horizontal geothermal heat exchangers with vertical spiral coils. <i>International Journal of Heat and Mass Transfer</i> , <b>2016</b> , 100, 111-120	4.9	19
129	Experimental study of the film thickness in the dehumidifier of a liquid desiccant air conditioning system. <i>Energy</i> , <b>2015</b> , 84, 239-246	7.9	18
128	A new approach to enhance the heat and mass transfer of liquid desiccant dehumidification with a titanium dioxide superhydrophilic self-cleaning coating. <i>Journal of Cleaner Production</i> , <b>2016</b> , 112, 3555-3564	10.3	18
127	Model development for the wetted area of falling film liquid desiccant air-conditioning system. <i>International Journal of Heat and Mass Transfer</i> , <b>2014</b> , 74, 206-209	4.9	18
126	Experimental Study of Solid Particle Deposition in 90° Ventilated Bends of Rectangular Cross Section with Turbulent Flow. <i>Aerosol Science and Technology</i> , <b>2013</b> , 47, 115-124	3.4	18
125	Comparative performance study on liquid desiccant dehumidification with different packing types for built environment. <i>Science and Technology for the Built Environment</i> , <b>2017</b> , 23, 116-126	1.8	18
124	Comparative study of the regeneration characteristics of LiCl and a new mixed liquid desiccant solution. <i>Energy</i> , <b>2018</b> , 163, 992-1005	7.9	17
123	Topochemical synthesis of Bi <sub>2</sub> O <sub>3</sub> microribbons derived from a bismuth oxalate precursor as high-performance lithium-ion batteries. <i>RSC Advances</i> , <b>2014</b> , 4, 17483-17489	3.7	17
122	Numerical study of monodispersed particle deposition rates in variable-section ducts with different expanding or contracting ratios. <i>Applied Thermal Engineering</i> , <b>2017</b> , 110, 150-161	5.8	16
121	Numerical Investigation of the Wall Effect on Airborne Particle Dispersion in a Test Chamber. <i>Aerosol and Air Quality Research</i> , <b>2013</b> , 13, 786-794	4.6	16
120	Thermal management of the waste energy of a stand-alone hybrid PV-wind-battery power system in Hong Kong. <i>Energy Conversion and Management</i> , <b>2020</b> , 203, 112261	10.6	16
119	Turbulent heat transfer and flow analysis of hybrid Al <sub>2</sub> O <sub>3</sub> -CuO/water nanofluid: An experiment and CFD simulation study. <i>Applied Thermal Engineering</i> , <b>2021</b> , 188, 116589	5.8	16



118	A Study of Dust Accumulating Process on Solar Photovoltaic Modules with Different Surface Temperatures. <i>Energy Procedia</i> , <b>2015</b> , 75, 337-342	2.3	15
117	Thermal and economic evaluation of phase change material volume fraction for thermocline tank used in concentrating solar power plants. <i>Applied Energy</i> , <b>2020</b> , 267, 115054	10.7	15
116	The effect of urban morphology on the solar capacity of three-dimensional cities. <i>Renewable Energy</i> , <b>2020</b> , 153, 1111-1126	8.1	15
115	Preparation of lead-free nanoglass frit powder for crystalline silicon solar cells. <i>Applied Energy</i> , <b>2013</b> , 112, 657-662	10.7	15
114	Experimental investigation on performance improvement of electro-osmotic regeneration for solid desiccant. <i>Applied Energy</i> , <b>2011</b> , 88, 2816-2823	10.7	15
113	Thermal properties measurement and performance evaluation of water/ZnO nanofluid in a mini channel with offset fins. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 162, 120361	4.9	15
112	Thermal characteristics of perforated self-rotating twisted tapes in a double-pipe heat exchanger. <i>Applied Thermal Engineering</i> , <b>2019</b> , 162, 114296	5.8	14
111	Effect of device models on the multiobjective optimal operation of CCHP microgrids considering shiftable loads. <i>Applied Energy</i> , <b>2020</b> , 275, 115369	10.7	14
110	Experimental investigation and development of new correlation for flow boiling heat transfer in mini-channel. <i>International Journal of Thermal Sciences</i> , <b>2018</b> , 129, 209-217	4.1	14
109	Investigation on the liquid contact angle and its influence for liquid desiccant dehumidification system. <i>International Journal of Heat and Mass Transfer</i> , <b>2015</b> , 88, 210-217	4.9	14
108	An Optimization Sizing Model for Solar Photovoltaic Power Generation System with Pumped Storage. <i>Energy Procedia</i> , <b>2014</b> , 61, 5-8	2.3	14
107	A Study of Incentive Policies for Building-Integrated Photovoltaic Technology in Hong Kong. <i>Sustainability</i> , <b>2016</b> , 8, 769	3.6	14
106	Numerical and experimental study on internally cooled liquid desiccant dehumidification concerning film shrinkage shape and vapor condensation. <i>International Journal of Thermal Sciences</i> , <b>2019</b> , 136, 316-327	4.1	14
105	Three-dimensional double deck meshlike dye-sensitized solar cells. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 064510	2.5	13
104	Overall energy assessment of semi-transparent photovoltaic insulated glass units for building integration under different climate conditions. <i>Renewable Energy</i> , <b>2019</b> , 134, 818-827	8.1	13
103	A novel analytical multilayer cylindrical heat source model for vertical ground heat exchangers installed in layered ground. <i>Energy</i> , <b>2020</b> , 200, 117545	7.9	12
102	Synthesis and characterization of Sb-doped SnO <sub>2</sub> with high near-infrared shielding property for energy-efficient windows by a facile dual-titration co-precipitation method. <i>Ceramics International</i> , <b>2020</b> , 46, 18518-18525	5.1	12
101	Experimental investigation on non-boiling heat transfer of two-component air-oil and air-water slug flow in horizontal pipes. <i>International Journal of Multiphase Flow</i> , <b>2019</b> , 119, 28-41	3.6	12

100	Nanoparticles-aided silver front contact paste for crystalline silicon solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2013</b> , 24, 524-528	2.1	12
99	Development of evaporation pressure-capacity control strategy for aircraft vapor cycle system. <i>International Journal of Refrigeration</i> , <b>2017</b> , 83, 14-22	3.8	12
98	Building self-ordered tubular macro- and mesoporous nitridated titania from gas bubbles towards high-performance lithium-ion batteries. <i>Dalton Transactions</i> , <b>2013</b> , 42, 8781-7	4.3	12
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93	Experimental Study on Thermal Performance of Semi-transparent PV Window in Winter in Hong Kong. <i>Energy Procedia</i> , <b>2017</b> , 105, 864-868	2.3	11
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86	Performance enhancement of solar-assisted liquid desiccant dehumidifiers using super-hydrophilic surface. <i>Energy and Buildings</i> , <b>2019</b> , 199, 461-471	7	10
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