

# A review on buildings energy consumption information

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Regulated and unregulated exhaust emissions from in-use catalyst cars at normal and low ambient temperatures. <i>International Journal of Vehicle Design</i> , 1998, 20, 159.	0.1	5
2	Climate change future proofing of buildings – Generation and assessment of building simulation weather files. <i>Energy and Buildings</i> , 2008, 40, 2148-2168.	3.1	257
3	Using the fuzzy multi-criteria model to select the optimal cool storage system for air conditioning. <i>Energy and Buildings</i> , 2008, 40, 2059-2066.	3.1	43
4	Fuzzy multi-criteria evaluation model of HVAC schemes in optimal combination weighting method. <i>Building Services Engineering Research and Technology</i> , 2009, 30, 287-304.	0.9	18
5	The behavior of self-compacting concrete containing micro-encapsulated Phase Change Materials. <i>Cement and Concrete Composites</i> , 2009, 31, 731-743.	4.6	397
6	Energy consumption, energy savings, and emission analysis in Malaysian office buildings. <i>Energy Policy</i> , 2009, 37, 4104-4113.	4.2	241
7	Opportunities for reversible chillers in office buildings in Europe. <i>Building Simulation</i> , 2009, 2, 95-108.	3.0	3
8	Energy saving with passive climate control methods in Spanish office buildings. <i>Energy and Buildings</i> , 2009, 41, 823-828.	3.1	35
9	Do LEED-certified buildings save energy? Yes, but not by much. <i>Energy and Buildings</i> , 2009, 41, 897-905.	3.1	470
10	Energetic contribution potential of building-integrated photovoltaics on airports in warm climates. <i>Solar Energy</i> , 2009, 83, 1923-1931.	2.9	41
11	A review of benchmarking, rating and labelling concepts within the framework of building energy certification schemes. <i>Energy and Buildings</i> , 2009, 41, 272-278.	3.1	342
12	Optimization of the management of building stocks: An example of the application of managing heating systems in university buildings in Spain. <i>Energy and Buildings</i> , 2009, 41, 1334-1346.	3.1	18
13	Operational strategy and marginal costs in simple trigeneration systems. <i>Energy</i> , 2009, 34, 2001-2008.	4.5	89
14	A new method of determination of indoor temperature and relative humidity with consideration of human thermal comfort. <i>Building and Environment</i> , 2009, 44, 411-417.	3.0	65
15	Thermal impact of sinking residential buildings in hot regions – Kuwait as a case study. <i>International Journal of Energy Technology and Policy</i> , 2009, 7, 3.	0.1	2
16	Parallel Support Vector Machines Applied to the Prediction of Multiple Buildings Energy Consumption. <i>Journal of Algorithms and Computational Technology</i> , 2010, 4, 231-249.	0.4	100
17	Biotechnological processes for biodiesel production using alternative oils. <i>Applied Microbiology and Biotechnology</i> , 2010, 88, 621-636.	1.7	152
18	The dark side of occupants' behaviour on building energy use. <i>Energy and Buildings</i> , 2010, 42, 173-177.	3.1	508

#	ARTICLE	IF	CITATIONS
19	A hybrid decision support system for sustainable office building renovation and energy performance improvement. <i>Energy and Buildings</i> , 2010, 42, 290-297.	3.1	278
20	Performance testing of a counter-cross-flow run-around membrane energy exchanger (RAMEE) system for HVAC applications. <i>Energy and Buildings</i> , 2010, 42, 1139-1147.	3.1	110
21	A decision tree method for building energy demand modeling. <i>Energy and Buildings</i> , 2010, 42, 1637-1646.	3.1	470
22	The energy savings potential of using dynamic external louvers in an office building. <i>Energy and Buildings</i> , 2010, 42, 1888-1895.	3.1	143
23	Simplified annual energy loss evaluation method for branch circuits of a home or building. <i>Energy and Buildings</i> , 2010, 42, 2281-2288.	3.1	8
24	A review of building energy regulation and policy for energy conservation in developing countries. <i>Energy Policy</i> , 2010, 38, 7744-7755.	4.2	221
25	Input-output analysis of Irish construction sector greenhouse gas emissions. <i>Building and Environment</i> , 2010, 45, 784-791.	3.0	207
26	An analysis of the bioclimates in different climates and implications for the built environment in China. <i>Building and Environment</i> , 2010, 45, 1312-1318.	3.0	17
27	A choice experiment to estimate the effect of green experience on preferences and willingness-to-pay for green building attributes. <i>Building and Environment</i> , 2010, 45, 2553-2561.	3.0	167
28	Embodied energy in cement stabilised rammed earth walls. <i>Energy and Buildings</i> , 2010, 42, 380-385.	3.1	148
29	Economic analysis of the profitability of energy-saving architectural measures for the achievement of the EPB-standard. <i>Energy</i> , 2010, 35, 2965-2971.	4.5	19
30	An end-use energy analysis in a Malaysian public hospital. <i>Energy</i> , 2010, 35, 4780-4785.	4.5	86
31	Plant Species and Functional Group Combinations Affect Green Roof Ecosystem Functions. <i>PLoS ONE</i> , 2010, 5, e9677.	1.1	263
32	An analysis of industry capability for the implementation of a software-based compliance approach for the UK Building Regulations 2006. <i>Building Services Engineering Research and Technology</i> , 2010, 31, 141-162.	0.9	8
33	Subspace identification and model predictive control for buildings. , 2010, , .		20
34	Analysis of atrium's architectural aspects in office buildings under tropical sky conditions. , 2010, , .		8
35	Energy efficiency of residential buildings in Serbia. <i>Thermal Science</i> , 2010, 14, 97-113.	0.5	7
36	Configuration of a genetic algorithm for multi-objective optimisation of solar gain to buildings. , 2010, , .		3

#	ARTICLE	IF	CITATIONS
37	Configuration of a genetic algorithm for multi-objective optimisation of solar gain to buildings. , 2010, , .		5
38	T�cnicas de Control del Confort en Edificios. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2010, 7, 5-24.	0.6	18
39	Classification of Energy Consumption in Buildings With Outlier Detection. IEEE Transactions on Industrial Electronics, 2010, 57, 3639-3644.	5.2	160
40	Results variability in accredited building energy performance compliance demonstration software in the UK: an inter-model comparative study. Journal of Building Performance Simulation, 2010, 3, 63-85.	1.0	29
41	A Smart Energy system: Distributed resource management, control and optimization. , 2011, , .		6
42	Model based predictive control for a solar-thermal system. , 2011, , .		13
43	A collective approach to reducing carbon-dioxide emission: A case study of four University of Lagos halls of residence. , 2011, , .		0
44	Energy consumption in conventional, energy�retrofitted and green LEED Toronto schools. Construction Management and Economics, 2011, 29, 383-395.	1.8	18
45	An Integrated Scheme for Cyber-physical Building Energy Management System. Procedia Engineering, 2011, 15, 3616-3620.	1.2	16
46	Evaporative cooling efficiency according to climate conditions. Procedia Engineering, 2011, 21, 283-290.	1.2	10
47	Towards a more holistic approach to reducing the energy demand of dwellings. Procedia Engineering, 2011, 21, 1033-1041.	1.2	39
48	Building performance analysis model using Post Occupancy Evaluation for energy-efficient building in Malaysia: A review. , 2011, , .		1
49	Economical aspects of building management systems implementation. , 2011, , .		0
50	Modelling inhalation exposure to combustion-related air pollutants in residential buildings: Application to health impact assessment. Environment International, 2011, 37, 268-279.	4.8	44
51	Modeling and identification of a large multi-zone office building. , 2011, , .		35
52	Revisiting the Gaia Hypothesis: Maximum Entropy, Kauffman�s �Fourth Law� and Physiosemeiosis. SSRN Electronic Journal, 0, , .	0.4	4
53	Transpired solar collectors for ventilation air heating. Proceedings of Institution of Civil Engineers: Energy, 2011, 164, 101-110.	0.5	9
54	A review of energy efficiency potentials in tropical buildings � Perspective of enclosed common areas. Renewable and Sustainable Energy Reviews, 2011, 15, 4548-4553.	8.2	17

#	ARTICLE	IF	CITATIONS
55	Reviewing the carbon footprint analysis of hotels: Life Cycle Energy Analysis (LCEA) as a holistic method for carbon impact appraisal of tourist accommodation. Journal of Cleaner Production, 2011, 19, 1917-1930.	4.6	147
56	Automatic generation of energy conservation measures in buildings using genetic algorithms. Energy and Buildings, 2011, 43, 2718-2726.	3.1	52
57	The capability to reduce primary energy demand in EU housing. Energy and Buildings, 2011, 43, 2747-2751.	3.1	39
58	A comparison of thermal comfort predictive control strategies. Energy and Buildings, 2011, 43, 2737-2746.	3.1	120
59	Decoupling of building energy use and climate. Energy and Buildings, 2011, 43, 2961-2963.	3.1	19
60	Allocation of economic costs in trigeneration systems at variable load conditions. Energy and Buildings, 2011, 43, 2869-2881.	3.1	39
61	Using energy audits to investigate the impacts of common air-conditioning design and installation issues on peak power demand and energy consumption in Austin, Texas. Energy and Buildings, 2011, 43, 3271-3278.	3.1	44
62	Energy-saving estimation model for hypermarket HVAC systems applications. Energy and Buildings, 2011, 43, 3353-3359.	3.1	12
63	Combined heat transfer of radiation and conduction in stacked radiation shields for vacuum insulation panels. Energy and Buildings, 2011, 43, 3343-3352.	3.1	16
64	New equipment for testing steady and transient thermal performance of multilayered building envelopes with PCM. Energy and Buildings, 2011, 43, 3704-3709.	3.1	33
65	Optimization of an HVAC system with a strength multi-objective particle-swarm algorithm. Energy, 2011, 36, 5935-5943.	4.5	70
66	Comparative study of the performance of the M-cycle counter-flow and cross-flow heat exchangers for indirect evaporative cooling "Paving the path toward sustainable cooling of buildings. Energy, 2011, 36, 6790-6805.	4.5	199
67	The map of energy flow in HVAC systems. Applied Energy, 2011, 88, 5020-5031.	5.1	109
68	From Molecules to Systems: Sol-gel Microencapsulation in Silica-Based Materials. Chemical Reviews, 2011, 111, 765-789.	23.0	199
69	Modeling and validation of the thermal performance of an affordable, energy efficient, healthy dwelling unit. Building Simulation, 2011, 4, 255-262.	3.0	22
70	Experimental analysis of model predictive control for an energy efficient building heating system. Applied Energy, 2011, 88, 3079-3087.	5.1	597
71	A review of HVAC systems requirements in building energy regulations. Energy and Buildings, 2011, 43, 255-268.	3.1	189
72	A screening methodology for implementing cost effective energy retrofit measures in Canadian office buildings. Energy and Buildings, 2011, 43, 614-620.	3.1	138

#	ARTICLE	IF	CITATIONS
73	Development of an energy model for the residential sector: Electricity consumption in Andalusia, Spain. Energy and Buildings, 2011, 43, 1315-1321.	3.1	32
74	Thermal transmittance measurements with the hot box method: Calibration, experimental procedures, and uncertainty analyses of three different approaches. Energy and Buildings, 2011, 43, 1618-1626.	3.1	132
75	Evaluation of the GreenBuilding Programme. Energy and Buildings, 2011, 43, 1875-1883.	3.1	18
76	Modeling the performance of residential building envelope: The role of sustainable energy performance indicators. Energy and Buildings, 2011, 43, 2108-2117.	3.1	75
77	Reducing energy peak consumption with passive climate control methods. Energy and Buildings, 2011, 43, 2282-2288.	3.1	6
78	Calibrating whole building energy models: An evidence-based methodology. Energy and Buildings, 2011, 43, 2356-2364.	3.1	211
79	Modeling the relationship between energy consumption and economy development in China. Energy, 2011, 36, 4227-4234.	4.5	45
80	Energy consumption and the potential of energy savings in Hellenic office buildings used as bank branches – A case study. Energy and Buildings, 2011, 43, 770-778.	3.1	66
81	Towards a universal energy efficiency index for buildings. Energy and Buildings, 2011, 43, 980-987.	3.1	76
82	Influence of building parameters and HVAC systems coupling on building energy performance. Energy and Buildings, 2011, 43, 1247-1253.	3.1	54
83	Enabling machine understandable exchange of energy consumption information in intelligent domotic environments. Energy and Buildings, 2011, 43, 1392-1402.	3.1	24
84	Thermal performance analysis according to wood flooring structure for energy conservation in radiant floor heating systems. Energy and Buildings, 2011, 43, 2039-2042.	3.1	43
85	An experimental study on the performance of enthalpy recovery system for building applications. Energy and Buildings, 2011, 43, 2533-2538.	3.1	57
86	Multi-objective optimization of HVAC system with an evolutionary computation algorithm. Energy, 2011, 36, 2440-2449.	4.5	112
87	Experimental evaluation of the new solid desiccant heat pump system in Asia-Pacific climatic conditions. Applied Thermal Engineering, 2011, 31, 243-257.	3.0	37
88	A simplified black-box model oriented to chilled water temperature control in a variable speed vapour compression system. Applied Thermal Engineering, 2011, 31, 329-335.	3.0	41
89	A model-assisted adaptive controller fine-tuning methodology for efficient energy use in buildings. , 2011, , .		4
90	Component-wise optimization for a commercial central cooling plant. , 2011, , .		9

#	ARTICLE	IF	CITATIONS
91	Small combined heat and power (CHP) systems for commercial buildings and institutions. , 2011, , 365-394.		7
92	RESIDENTIAL AREAS WITH APARTMENT HOUSES: ANALYSIS OF THE CONDITION OF BUILDINGS, PLANNING ISSUES, RETROFIT STRATEGIES AND SCENARIOS / DAUGIABUĀCĒIĀ <sup>2</sup> NAMĀ <sup>2</sup> GYVENAMUOSIUOSE RAJONUOSE BĀ <sup>a</sup> KLĀ <sup>–</sup> S, PLANAVIMO PROBLEMĀ <sup>2</sup> IR ATNAUJINIMO STRATEGIJĀ <sup>2</sup> BEI SCENARIJĀ <sup>2</sup> ANALIZĀ <sup>–</sup> . International Journal of Strategic Property Management, 2011, 15, 139-151.	0.8	30
93	GAA-Based Decision Approach for Hospital Building Renovation Management. Advanced Materials Research, 0, 403-408, 5265-5272.	0.3	0
94	SOFC Management in Distributed Energy Systems. Journal of Fuel Cell Science and Technology, 2011, 8, .	0.8	28
95	Closed-Form Correlation of Buildings Energy Use With Key Design Parameters Calibrated Using a Genetic Algorithm. Journal of Solar Energy Engineering, Transactions of the ASME, 2011, 133, .	1.1	3
96	Demand response with functional buildings using simplified process models. , 2011, , .		10
97	Life cycle assessment of three dwellings in Andalusia (Spain): The significance of building type and materials selection. , 2011, , .		0
98	LIFE CICLE ASSESMENTS OF THREE DWELLINGS IN ANDALUSIA (SPAIN): THE SIGNIFICANCE OF THE REGIONAL CONTEXT / TRIJĀ <sup>2</sup> GYVENAMĀ <sup>2</sup> JĀ <sup>2</sup> BĀ <sup>a</sup> STĀ <sup>2</sup> ANDALĀ <sup>a</sup> ZIJOJE (ISPANIJA) GYVAVIMO CIKLO VERTINIMAS: REIKĀMĀ <sup>–</sup> RĒGIONO 2 KONTEKSTE. Science: Future of Lithuania, 2012, 4, 106-112.	0.1	2
99	Chilled Water Temperature Control of HVAC System Using GPC Based Controller. Applied Mechanics and Materials, 0, 151, 626-631.	0.2	0
100	Lies, damn lies and preferences. , 2012, , .		0
101	EarlyOff. , 2012, , .		10
102	Building temperature control: A passivity-based approach. , 2012, , .		39
103	Modelling and design of a linear predictive controller for a solar powered HVAC system. , 2012, , .		8
104	Predictive control oriented subspace identification based on building energy simulation tools. , 2012, , .		6
105	Learning near-optimal decision rules for energy efficient building control. , 2012, , .		4
106	Analysis of energy management in hospitals. , 2012, , .		8
107	An agent based building energy consumption model. , 2012, , .		1
108	Human-Building Interaction for Energy Conservation in Office Buildings. , 2012, , .		13

#	ARTICLE	IF	CITATIONS
109	Investigating the Set of Parameters Influencing Building Energy Consumption. , 2012, , .		0
110	Study on Carbondioxide Emission Reduction and Energy Consumption Structure Adjustment Optimization Models. Advanced Materials Research, 0, 524-527, 2433-2436.	0.3	0
111	On predicted mean vote optimization in building climate control. , 2012, , .		1
112	Non-intrusive appliance recognition. , 2012, , .		4
113	Critical Risks Influencing the Application of EERTs in Australian Green Office Buildings. Applied Mechanics and Materials, 2012, 238, 513-524.	0.2	4
114	An Efficient Evolutionary Approach to Parameter Identification in a Building Thermal Model. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 957-969.	3.3	22
115	Research on the Energy Consumption Reference Value of Commercial Office Buildings in Xiâ€™an. Applied Mechanics and Materials, 2012, 209-211, 1871-1875.	0.2	0
116	Condensation on Superhydrophobic Copper Oxide Nanostructures. , 2012, , .		4
117	Active fault detection and constrained control of air handling unit. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 43-48.	0.4	3
118	Decision support tools in energyâ€™ed, nonâ€™domestic building refurbishment. Facilities, 2012, 30, 374-395.	0.8	3
119	Carbon audit: a literature review and an empirical study on a hotel. Facilities, 2012, 30, 417-431.	0.8	32
120	Carbon dioxide reduction in the building life cycle: a critical review. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2012, 165, 281-292.	0.4	26
121	Behaviour, attitudes and opinion of large enterprise employees with regard to their energy usage habits and adoption of energy saving measures. Energy and Buildings, 2012, 55, 299-311.	3.1	56
122	Local authorities in the context of energy and climate policy. Energy Policy, 2012, 51, 737-748.	4.2	60
123	A nonlinear model based predictive control strategy to maintain thermal comfort inside a bioclimatic building. , 2012, , .		8
124	Combined effect of energy efficiency measures and thermal adaptation on air conditioned building in warm climatic conditions of India. Energy and Buildings, 2012, 55, 351-360.	3.1	45
125	A probabilistic energy model for non-domestic building sectors applied to analysis of school buildings in greater London. Energy and Buildings, 2012, 54, 1-11.	3.1	95
126	Analysis of outdoor temperature ranges for the operation of different ventilating modes in commercial buildings of China. Energy and Buildings, 2012, 55, 174-182.	3.1	3



#	ARTICLE	IF	CITATIONS
127	Energy vs. ventilation rate in buildings: A comprehensive scenario-based assessment in the European context. Energy and Buildings, 2012, 54, 111-121.	3.1	60
128	A Novel Solar-Assisted Air-Conditioner System for Energy Savings with Performance Enhancement. Procedia Engineering, 2012, 49, 116-123.	1.2	16
129	Towards a comprehensive life cycle energy analysis framework for residential buildings. Energy and Buildings, 2012, 55, 592-600.	3.1	124
130	+Transient characteristics of a liquid-to-air membrane energy exchanger (LAMEE) experimental data with correlations. International Journal of Heat and Mass Transfer, 2012, 55, 6682-6694.	2.5	50
131	Open multi-technology building Energy Management System. , 2012, , .		2
132	An unscented Kalman filter approach for the plant-model mismatch reduction in HVAC system model based control. , 2012, , .		9
133	As-built BIM with shades modeling for energy analysis. , 2012, , .		4
134	Towards an energy model for supporting real time building energy management. , 2012, , .		1
135	Energy storage sizing for office buildings based on short-term load forecasting. , 2012, , .		1
136	Intelligent Energy Optimization for User Intelligible Goals in Smart Home Environments. IEEE Transactions on Smart Grid, 2012, 3, 2128-2135.	6.2	76
137	A case study for energy issues of public buildings and utilities in a small municipality: Investigation of possible improvements and integration with renewables. Applied Energy, 2012, 97, 101-114.	5.1	62
138	Net Zero Energy Buildings: Expense or Investment?. Energy Procedia, 2012, 14, 1331-1336.	1.8	30
139	A model for integrating passive and low energy airflow components into low rise buildings. Energy and Buildings, 2012, 49, 148-157.	3.1	25
140	A linear programming approach to household energy conservation: Efficient allocation of budget. Energy and Buildings, 2012, 49, 200-208.	3.1	28
141	Accurate quantitative estimation of energy performance of residential buildings using statistical machine learning tools. Energy and Buildings, 2012, 49, 560-567.	3.1	562
142	Influence of shading control patterns on the energy assessment of office spaces. Energy and Buildings, 2012, 50, 35-48.	3.1	85
143	The reality and statistical distribution of energy consumption in office buildings in China. Energy and Buildings, 2012, 50, 259-265.	3.1	62
144	Optimization of Predicted Mean Vote index within Model Predictive Control framework: Computationally tractable solution. Energy and Buildings, 2012, 52, 39-49.	3.1	87

#	ARTICLE	IF	CITATIONS
145	Assessment of potential energy saving using cluster analysis: A case study of lighting systems in buildings. <i>Energy and Buildings</i> , 2012, 52, 145-152.	3.1	48
146	Analysis of carbon impact using mix energy sources for industrial heating applications. An assessment of options to refit services in an existing building. <i>Fuel Processing Technology</i> , 2012, 103, 151-159.	3.7	11
147	Review of PCM based cooling technologies for buildings. <i>Energy and Buildings</i> , 2012, 49, 37-49.	3.1	258
148	Condensation on Superhydrophobic Surfaces: The Role of Local Energy Barriers and Structure Length Scale. <i>Langmuir</i> , 2012, 28, 14424-14432.	1.6	347
149	A Review of Determinants of and Interventions for Proenvironmental Behaviors in Organizations. <i>Journal of Applied Social Psychology</i> , 2012, 42, 2933-2967.	1.3	113
150	A method for energy classification of hotels: A case-study of Greece. <i>Energy and Buildings</i> , 2012, 55, 553-562.	3.1	55
151	A cost optimization model for 100% renewable residential energy supply systems. <i>Energy</i> , 2012, 48, 118-127.	4.5	88
152	Cost and E-level analysis of different dwelling types and different heating systems with or without heat exchanger. <i>Energy</i> , 2012, 44, 604-610.	4.5	3
153	Compliance with building energy regulations for new-build dwellings. <i>Energy</i> , 2012, 48, 11-22.	4.5	78
154	Projections of energy services demand for residential buildings: Insights from a bottom-up methodology. <i>Energy</i> , 2012, 47, 430-442.	4.5	67
155	Indirect evaporative cooling: Past, present and future potentials. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 6823-6850.	8.2	337
156	Energy consumption and carbon emissions of hospitals in Tianjin. <i>Frontiers in Energy</i> , 2012, 6, 427-435.	1.2	6
157	Building modeling: Selection of the most appropriate model for predictive control. <i>Energy and Buildings</i> , 2012, 55, 341-350.	3.1	79
159	Energy conservation in power system using LR technique. , 2012, , .		1
160	Green building project management: obstacles and solutions for sustainable development. <i>Sustainable Development</i> , 2012, 20, 335-349.	6.9	343
161	Energy consumption, indoor environmental quality, and benchmark for office buildings in Hainan Province of China. <i>Journal of Central South University</i> , 2012, 19, 783-790.	1.2	8
162	Space heating and hot water demand analysis of dwellings connected to district heating scheme in UK. <i>Journal of Central South University</i> , 2012, 19, 1629-1638.	1.2	9
163	Energy-Related Behaviors in Office Buildings: A Qualitative Study on Individual and Organisational Determinants. <i>Applied Psychology</i> , 2012, 61, 227-249.	4.4	61

#	ARTICLE	IF	CITATIONS
164	Energy analysis of the non-domestic building stock of Greater London. Building and Environment, 2012, 51, 243-254.	3.0	68
165	Developing an indoor environment quality tool for assessment of mechanically ventilated office buildings in the UK – A preliminary study. Building and Environment, 2012, 53, 26-33.	3.0	98
166	Pollutant dilution in displacement natural ventilation rooms with inner sources. Building and Environment, 2012, 56, 108-117.	3.0	8
167	Energy and carbon emission payback analysis for energy-efficient retrofitting in buildings – Overhang shading option. Energy and Buildings, 2012, 44, 94-103.	3.1	74
168	Synergization of air handling units for high energy efficiency in office buildings: The theory and analysis. Energy and Buildings, 2012, 45, 264-273.	3.1	6
169	Energy efficiency in building installations using thermal insulating materials in northeast Brazil. Energy and Buildings, 2012, 47, 35-43.	3.1	17
170	Development of weighting factors for climate variables for selecting the energy reference year according to the EN ISO 15927-4 standard. Energy and Buildings, 2012, 47, 53-60.	3.1	134
171	Static Simulation: A sufficient modelling technique for retrofit analysis. Energy and Buildings, 2012, 47, 113-121.	3.1	25
172	ENERNET: Studying the dynamic relationship between building occupancy and energy consumption. Energy and Buildings, 2012, 47, 584-591.	3.1	167
173	Constructing HVAC energy efficiency indicators. Energy and Buildings, 2012, 47, 619-629.	3.1	39
174	Assessment of loss factor approach to energy loss evaluation for branch circuits or feeders of a dwelling unit or building. Energy and Buildings, 2012, 48, 91-96.	3.1	10
175	Research on the energy performance and indoor environment quality of typical public buildings in the tropical areas of China. Energy and Buildings, 2012, 48, 155-167.	3.1	31
176	Membrane air-conditioning system driven by renewable energy. Energy Conversion and Management, 2012, 53, 189-195.	4.4	34
177	Experimental investigation of a solid/gas thermochemical storage process for solar air-conditioning. Energy, 2012, 41, 261-270.	4.5	79
178	Modeling and optimization of HVAC systems using a dynamic neural network. Energy, 2012, 42, 241-250.	4.5	154
179	A review of building energy efficiency in China during the Eleventh Five-Year Plan period. Energy Policy, 2012, 41, 624-635.	4.2	112
180	Analysis and proposal of implementation effects of heat metering and energy efficiency retrofit of existing residential buildings in northern heating areas of China in the 11th Five-Year Plan period. Energy Policy, 2012, 45, 521-528.	4.2	29
181	Building regulations in energy efficiency: Compliance in England and Wales. Energy Policy, 2012, 45, 594-605.	4.2	46

#	ARTICLE	IF	CITATIONS
182	Coordinating occupant behavior for building energy and comfort management using multi-agent systems. <i>Automation in Construction</i> , 2012, 22, 525-536.	4.8	278
183	Construction Matters: Comparing Environmental Impacts of Building Modular and Conventional Homes in the United States. <i>Journal of Industrial Ecology</i> , 2012, 16, 243-253.	2.8	140
184	Review on heat recovery technologies for building applications. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 1241-1255.	8.2	248
185	Implementation conditions for energy saving technologies and practices in office buildings: Part 1. Lighting. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 4165-4174.	8.2	33
186	Implementation conditions for energy saving technologies and practices in office buildings: Part 2. Double glazing windows, heating and air-conditioning. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 3986-3998.	8.2	23
187	Optimizing the pad thickness of evaporative air-cooled chiller for maximum energy saving. <i>Energy and Buildings</i> , 2013, 61, 146-152.	3.1	35
188	Energy retrofit of commercial buildings: case study and applied methodology. <i>Energy Efficiency</i> , 2013, 6, 407-423.	1.3	35
189	Building envelope shape design in early stages of the design process: Integrating architectural design systems and energy simulation. <i>Automation in Construction</i> , 2013, 32, 196-209.	4.8	136
190	Analysis of electricity consumption profiles in public buildings with dimensionality reduction techniques. <i>Engineering Applications of Artificial Intelligence</i> , 2013, 26, 1872-1880.	4.3	12
191	Automatic thermographic and RGB texture of as-built BIM for energy rehabilitation purposes. <i>Automation in Construction</i> , 2013, 31, 230-240.	4.8	88
192	Optimum estimation and forecasting of renewable energy consumption by artificial neural networks. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 27, 605-612.	8.2	93
193	Analysis of electricity bills using visual continuous maps. <i>Neural Computing and Applications</i> , 2013, 23, 645-655.	3.2	3
194	Passive alternatives to mechanical air conditioning of building: A review. <i>Building and Environment</i> , 2013, 66, 54-64.	3.0	137
195	Enhance the Thermal Storage of Cement-Based Composites With Phase Change Materials and Carbon Nanotubes. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2013, 135, .	1.1	30
196	An audit of life cycle energy analyses of buildings. <i>Habitat International</i> , 2013, 39, 43-54.	2.3	39
197	Efficient cooling energy supply with aquifer thermal energy storages. <i>Applied Energy</i> , 2013, 109, 321-327.	5.1	47
198	CFD analysis of a heat transfer device integrated wind tower system for hot and dry climate. <i>Applied Energy</i> , 2013, 112, 576-591.	5.1	69
199	On the characterization and monitoring of building energy demand using statistical process control methodologies. <i>Energy and Buildings</i> , 2013, 65, 205-219.	3.1	25

#	ARTICLE	IF	CITATIONS
200	Energy efficiency in the British housing stock: Energy demand and the Homes Energy Efficiency Database. Energy Policy, 2013, 60, 462-480.	4.2	99
201	Probabilistic future cooling loads for mechanically cooled offices. Energy and Buildings, 2013, 66, 57-65.	3.1	7
202	Optimization of three new compositions of stabilized rammed earth incorporating PCM: Thermal properties characterization and LCA. Construction and Building Materials, 2013, 47, 872-878.	3.2	45
203	Energy performance analysis of a solar-cooled building in Tunisia: Passive strategies impact and improvement techniques. Energy and Buildings, 2013, 67, 374-386.	3.1	50
204	Small-scale single-panel liquid-to-air membrane energy exchanger (LAMEE) test facility development, commissioning and evaluating the steady-state performance. Energy and Buildings, 2013, 66, 424-436.	3.1	48
205	Review on physical and performance parameters of heat recovery systems for building applications. Renewable and Sustainable Energy Reviews, 2013, 28, 174-190.	8.2	60
206	Improvement of the thermal inertia of building materials incorporating PCM. Evaluation in the macroscale. Applied Energy, 2013, 109, 428-432.	5.1	72
207	Development of form-stable composite phase change material by incorporation of dodecyl alcohol into ground granulated blast furnace slag. Energy and Buildings, 2013, 62, 360-367.	3.1	58
208	Preparation, characterization and thermal properties of dodecanol/cement as novel form-stable composite phase change material. Energy and Buildings, 2013, 66, 697-705.	3.1	62
209	Use of phase change materials for thermal energy storage in concrete: An overview. Construction and Building Materials, 2013, 46, 55-62.	3.2	299
210	Real-time building occupancy sensing using neural-network based sensor network. , 2013, , .		48
211	Cooling Coil Design Improvement for HVAC Energy Savings and Comfort Enhancement. Smart Innovation, Systems and Technologies, 2013, , 965-974.	0.5	3
212	An indoor localization system based on artificial neural networks and particle filters applied to intelligent buildings. Neurocomputing, 2013, 122, 116-125.	3.5	57
213	A method for evaluating the performance of green buildings with a focus on user experience. Energy and Buildings, 2013, 66, 203-210.	3.1	54
214	CASAS: A Smart Home in a Box. Computer, 2013, 46, 62-69.	1.2	494
215	Phase change material applications in buildings: An environmental assessment for some Spanish climate severities. Science of the Total Environment, 2013, 444, 16-25.	3.9	47
216	Research and applications of liquid-to-air membrane energy exchangers in building HVAC systems at University of Saskatchewan: A review. Renewable and Sustainable Energy Reviews, 2013, 26, 464-479.	8.2	57
217	Passive Cooling Load Ratio method. Energy and Buildings, 2013, 64, 209-217.	3.1	6

#	ARTICLE	IF	CITATIONS
218	Design Optimization of the Cooling Coil for <scp>HVAC</scp> Energy Saving and Comfort Enhancement. Environmental Progress and Sustainable Energy, 2013, 32, 1209-1216.	1.3	5
219	Operational vs. embodied emissions in buildingsâ€”A review of current trends. Energy and Buildings, 2013, 66, 232-245.	3.1	400
220	Embodied energy consumption of building construction engineering: Case study in E-town, Beijing. Energy and Buildings, 2013, 64, 62-72.	3.1	86
221	Surrogate modeling for the fast optimization of energy systems. Energy, 2013, 57, 653-662.	4.5	27
222	Optimal design and operation of building services using mixed-integer linear programming techniques. Energy, 2013, 59, 365-376.	4.5	115
223	Fuzzy linguistic knowledge based behavior extraction for building energy management systems. , 2013, , .		4
224	Improving direct solar shading calculations within building energy simulation tools. Journal of Building Performance Simulation, 2013, 6, 437-448.	1.0	15
225	Engineering a Predictive Energy Consumption Model for University Properties. , 2013, , .		1
226	Energy disaggregation via adaptive filtering. , 2013, , .		15
227	Intelligent HVAC systems in hospitals. Intelligent Buildings International, 2013, 5, 101-119.	1.3	21
228	Virtual smart metering in automation and simulation of energy-efficient lighting system. , 2013, , .		23
229	Concept of a thermal flow sensor integration on circuit board level. , 2013, , .		7
230	Results from testing of a &#x201C;cloud based&#x201D; automated fault detection and diagnosis tool for AHU's. , 2013, , .		3
231	Thermal energy storage cement mortar containing n-octadecane/expanded graphite composite phase change material. Renewable Energy, 2013, 50, 670-675.	4.3	239
232	BuildingLAB: A tool to analyze performance of model predictive controllers for buildings. Energy and Buildings, 2013, 57, 34-41.	3.1	13
233	Solutions to reduce energy consumption in the management of large buildings. Energy and Buildings, 2013, 56, 66-77.	3.1	77
234	Application of PCM thermal energy storage system to reduce building energy consumption. Journal of Thermal Analysis and Calorimetry, 2013, 111, 279-288.	2.0	150
235	Jumping-Droplet-Enhanced Condensation on Scalable Superhydrophobic Nanostructured Surfaces. Nano Letters, 2013, 13, 179-187.	4.5	950

#	ARTICLE	IF	CITATIONS
236	Fault Detection Analysis of Building Energy Consumption Using Data Mining Techniques. Energy Procedia, 2013, 42, 557-566.	1.8	78
237	Minimization of the Operation Costs of a Solar/Gas Airconditioning System Using Duration-based Predictive Control. Energy Procedia, 2013, 42, 784-793.	1.8	3
238	Intelligent Optimized Control System for Energy and Comfort Management in Efficient and Sustainable Buildings. Procedia Technology, 2013, 11, 99-106.	1.1	24
239	Energy analysis of chilled water system configurations using simulation-based optimization. Energy and Buildings, 2013, 59, 111-122.	3.1	36
240	Development of an energy monitoring system for large public buildings. Energy and Buildings, 2013, 66, 41-48.	3.1	61
241	Setting up GHG-based energy efficiency targets in buildings: The Ecolabel. Energy Policy, 2013, 59, 633-642.	4.2	39
242	Analysis of thermal energy demand and saving in industrial buildings: A case study in Slovakia. Building and Environment, 2013, 67, 138-146.	3.0	64
243	Does the rapid development of China's urban residential buildings matter for the environment?. Building and Environment, 2013, 64, 130-137.	3.0	22
244	Use of partial least squares within the control relevant identification for buildings. Control Engineering Practice, 2013, 21, 113-121.	3.2	31
245	Towards automated appliance recognition using an EMF sensor in NILM platforms. Advanced Engineering Informatics, 2013, 27, 477-485.	4.0	30
246	Calibrated CFD simulation to evaluate thermal comfort in a highly-glazed naturally ventilated room. Building and Environment, 2013, 70, 73-89.	3.0	57
247	A universal climate-based energy and thermal expectation index: Initial development and tests. Energy and Buildings, 2013, 58, 208-218.	3.1	2
248	A component based bottom-up building stock model for comprehensive environmental impact assessment and target control. Renewable and Sustainable Energy Reviews, 2013, 20, 45-56.	8.2	85
249	Occupants interaction with electric lighting and shading systems in real single-occupied offices: Results from a monitoring campaign. Building and Environment, 2013, 64, 152-168.	3.0	102
250	Comparison of three different devices available in Spain to test thermal properties of building materials including phase change materials. Applied Energy, 2013, 109, 421-427.	5.1	64
251	A review of climate change impacts on commercial buildings and their technical services in the tropics. Renewable and Sustainable Energy Reviews, 2013, 18, 430-441.	8.2	121
252	Power monitoring system for university buildings: Architecture and advanced analysis tools. Energy and Buildings, 2013, 59, 152-160.	3.1	22
253	A collective approach to reducing carbon dioxide emission: A case study of four University of Lagos Halls of residence. Energy and Buildings, 2013, 61, 318-322.	3.1	27

#	ARTICLE	IF	CITATIONS
254	Energy and environmental evaluation of municipal facilities: Case study in the province of Barcelona. Energy Policy, 2013, 61, 920-930.	4.2	26
255	Method of checking and certifying carbon trading volume of existing buildings retrofits in China. Energy Policy, 2013, 61, 1178-1187.	4.2	8
256	Extent of inertia caused by the existing building stock against an energy transition in the Netherlands. Energy and Buildings, 2013, 56, 134-145.	3.1	17
257	Modelling to predict future energy performance of solar thermal cooling systems for building applications in the North East of England. Applied Thermal Engineering, 2013, 57, 81-89.	3.0	18
258	Performance analysis of a mirror symmetrical dielectric totally internally reflecting concentrator for building integrated photovoltaic systems. Applied Energy, 2013, 111, 288-299.	5.1	39
259	Thermal comfort and energy consumption in a UK educational building. Building and Environment, 2013, 68, 1-11.	3.0	84
260	Gas-fired instantaneous water heaters with combustion chamber sealed with respect to the room in multi-storey residential buildingsâ€”Results of pilot plants tests. Energy and Buildings, 2013, 57, 237-244.	3.1	8
261	Potential for installing photovoltaic systems on vertical and horizontal building surfaces in urban areas. Solar Energy, 2013, 93, 312-321.	2.9	22
262	Recycling concepts and the index of recyclability for building materials. Resources, Conservation and Recycling, 2013, 72, 127-135.	5.3	67
263	An individualized human thermoregulation model for Chinese adults. Building and Environment, 2013, 70, 257-265.	3.0	59
264	Energy usage and technical potential for energy saving measures in the Swedish residential building stock. Energy Policy, 2013, 55, 404-414.	4.2	129
265	Optimizing building comfort temperature regulation via model predictive control. Energy and Buildings, 2013, 57, 361-372.	3.1	101
266	UK office buildings archetypal model as methodological approach in development of regression models for predicting building energy consumption from heating and cooling demands. Energy and Buildings, 2013, 60, 152-162.	3.1	85
267	A review of computational optimisation methods applied to sustainable building design. Renewable and Sustainable Energy Reviews, 2013, 22, 230-245.	8.2	517
268	Experimental investigation of convective heat transfer during night cooling with different ventilation systems and surface emissivities. Energy and Buildings, 2013, 61, 308-317.	3.1	25
269	Investigation on a ventilation heat recovery exchanger: Modeling and experimental validation in dry and partially wet conditions. Energy and Buildings, 2013, 62, 176-189.	3.1	46
270	Sustainable energy performances of green buildings: A review of current theories, implementations and challenges. Renewable and Sustainable Energy Reviews, 2013, 25, 1-17.	8.2	309
271	Performance of a solar assisted air conditioning system at different locations. Solar Energy, 2013, 92, 69-83.	2.9	36



#	ARTICLE	IF	CITATIONS
272	Review of passive PCM latent heat thermal energy storage systems towards buildings' energy efficiency. Energy and Buildings, 2013, 59, 82-103.	3.1	785
273	Experimental research on the use of phase change materials in perforated brick rooms for cooling storage. Energy and Buildings, 2013, 62, 597-604.	3.1	90
274	Performance analysis of a membrane liquid desiccant air-conditioning system. Energy and Buildings, 2013, 62, 559-569.	3.1	138
275	A comprehensive assessment of the life cycle energy demand of passive houses. Applied Energy, 2013, 112, 23-34.	5.1	200
276	Energy intelligent buildings based on user activity: A survey. Energy and Buildings, 2013, 56, 244-257.	3.1	610
277	Hollow light guide efficiency and illuminance distribution on the light-tube base under overcast and clear sky conditions. Optik, 2013, 124, 3165-3169.	1.4	11
278	Daylighting in buildings: Developments of sunlight addressing by optical fiber. Solar Energy, 2013, 89, 113-121.	2.9	83
279	The role of urban form as an energy management parameter. Energy Policy, 2013, 53, 218-228.	4.2	35
280	The risks of an energy efficiency policy for buildings based solely on the consumption evaluation of final energy. International Journal of Electrical Power and Energy Systems, 2013, 44, 70-77.	3.3	30
281	Building operation and energy performance: Monitoring, analysis and optimisation toolkit. Applied Energy, 2013, 101, 310-316.	5.1	297
282	Importance of occupancy information for building climate control. Applied Energy, 2013, 101, 521-532.	5.1	351
283	Comparison between evaporative cooling and a heat pipe assisted thermal loop for a commercial wind tower in hot and dry climatic conditions. Applied Energy, 2013, 101, 740-755.	5.1	80
284	Study on performance of energy-efficient retrofitting measures on commercial building external walls in cooling-dominant cities. Applied Energy, 2013, 103, 97-108.	5.1	101
285	Formal calibration methodology for CFD models of naturally ventilated indoor environments. Building and Environment, 2013, 59, 290-302.	3.0	57
286	Urban Form and Residential Energy Use. Journal of Planning Literature, 2013, 28, 327-351.	2.2	108
287	Energy epidemiology: a new approach to end-use energy demand research. Building Research and Information, 2013, 41, 482-497.	2.0	50
288	Energy-Pollution Nexus for Urban Buildings. Environmental Science & Technology, 2013, 47, 7591-7592.	4.6	23
289	Smoothing the energy consumption: Peak demand reduction in smart grid. , 2013, , .		38

#	ARTICLE	IF	CITATIONS
290	Building modeling as a crucial part for building predictive control. Energy and Buildings, 2013, 56, 8-22.	3.1	271
291	Investigation and analysis on the energy consumption of starred hotel buildings in Hainan Province, the tropical region of China. Energy Conversion and Management, 2013, 75, 570-580.	4.4	43
292	Opportunities for Software-Defined Networking in Smart Grid. , 2013, , .		21
293	Rotationally asymmetric optical concentrators for solar PV and BIPV systems. , 2013, , .		3
294	Configuration of high performance apartment buildings renovation: A constraint based approach. , 2013, , .		12
295	Computational Fluid Dynamics Modeling of Mixed Convection Flows in Building Enclosures. , 2013, , .		4
296	Optimal Personal Comfort Management Using SPOT+. , 2013, , .		36
297	Matchstick. , 2013, , .		8
298	SPOT. , 2013, , .		65
299	Thermoelectric Energy Harvesting for Building Energy Management Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2013, 9, 232438.	1.3	65
300	Data Acquisition and Transmission System for Building Energy Consumption Monitoring. Abstract and Applied Analysis, 2013, 2013, 1-8.	0.3	7
301	Condensation heat transfer on superhydrophobic surfaces. MRS Bulletin, 2013, 38, 397-406.	1.7	329
302	Condensation on Superhydrophobic Copper Oxide Nanostructures. Journal of Heat Transfer, 2013, 135, .	1.2	187
303	Development of Innovative Heating and Cooling Systems Using Renewable Energy Sources for Non-Residential Buildings. Energies, 2013, 6, 5114-5129.	1.6	33
304	A Novel Sensor Platform Matching the Improved Version of IPMVP Option C for Measuring Energy Savings. Sensors, 2013, 13, 6811-6831.	2.1	10
305	Immersion Condensation on Oil-Infused Heterogeneous Surfaces for Enhanced Heat Transfer. Scientific Reports, 2013, 3, 1988.	1.6	222
306	Data-driven forecasting algorithms for building energy consumption. , 2013, , .		20
307	Analysis of water sorption and thermal conductivity of expanded polystyrene insulation materials. Building Services Engineering Research and Technology, 2013, 34, 407-416.	0.9	51

#	ARTICLE	IF	CITATIONS
308	Evaluation of a Double-Stage Coupled Heat Pump for Heating: Performance Optimization and Case Study. Journal of Energy Engineering - ASCE, 2013, 139, 198-206.	1.0	6
309	Optimization by Discomfort Minimization for Designing a Comfortable Net Zero Energy Building in the Mediterranean Climate. Advanced Materials Research, 0, 689, 44-48.	0.3	26
310	Nanogel Windows. , 2013, , 555-582.		10
311	Optimization of Energy Consumption Using BIM-Based Building Energy Performance Analysis. Applied Mechanics and Materials, 0, 281, 649-652.	0.2	15
312	Numerical Study of Ejector as an Expansion Device in Split-Type Air Conditioner. Applied Mechanics and Materials, 0, 388, 101-105.	0.2	12
313	Analysis of the electricity demand patterns of a building in a university Campus. , 2013, , .		4
314	Integrated control of blind and lights in daily office environment. , 2013, , .		6
315	Energy and hydrodynamic analyses of coalescence-induced jumping droplets. Applied Physics Letters, 2013, 103, .	1.5	155
316	Silica nanogel for energy-efficient windows. , 2013, , 207-235.		13
317	Fault detection of cooling coils based on unscented Kalman filters and statistical process control. , 2013, , .		6
318	Intelligent BVAC information capturing system for smart building information modelling. , 2013, , .		3
319	Productiveness and Real Time Prices in energy management for HVAC systems. , 2013, , .		8
320	A dynamical systems approach to energy disaggregation. , 2013, , .		13
321	The architect-MEP engineer disconnect. Interdisciplinary Environmental Review, 2013, 14, 121.	0.1	0
322	Performance Potential of Mechanical Ventilation Systems with Minimized Pressure Loss. International Journal of Ventilation, 2013, 11, 367-380.	0.2	1
323	Hybrid Predictive Control for Building Climate Control and Energy Optimization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 319-324.	0.4	1
324	A comparative analysis of implementation of the Energy Performance of Buildings Directive in the Mediterranean. International Journal of Law in the Built Environment, 2013, 5, 222-240.	0.5	3
326	Physics-based modeling and identification for HVAC systems?. , 2013, , .		11

#	ARTICLE	IF	CITATIONS
327	Synthesis of Trigeneration Systems: Sensitivity Analyses and Resilience. Scientific World Journal, The, 2013, 2013, 1-16.	0.8	15
328	A Multimethodology Contractor Assessment Model for Facilitating Green Innovation: The View of Energy and Environmental Protection. Scientific World Journal, The, 2013, 2013, 1-14.	0.8	15
329	Hybrid MPC approach to reconfiguration of building heating system. , 2013, , .		4
330	Marginal Abatement Cost Curves (MACCs): Important Approaches to Obtain (Firm and Sector) Greenhouse Gases (GHGs) Reduction. International Journal of Economics and Finance, 2013, 5, .	0.2	7
331	Distributed model predictive control for energy distribution. , 2013, , .		3
332	A Novel Method for Detecting Abnormal Energy Data in Building Energy Monitoring System. Journal of Energy, 2014, 2014, 1-5.	1.4	4
333	Sustainable Design of a Nearly Zero Energy Building Facilitated by a Smart Microgrid. Journal of Renewable Energy, 2014, 2014, 1-11.	2.1	18
334	Experimental Analysis of Natural Gravel Covering as Cool Roofing and Cool Pavement. Sustainability, 2014, 6, 4706-4722.	1.6	64
335	The Energy Efficiency of Hot Water Production by Gas Water Heaters with a Combustion Chamber Sealed with Respect to the Room. Water (Switzerland), 2014, 6, 2394-2411.	1.2	7
336	What Can We Learn from the Household Electricity Survey?. Buildings, 2014, 4, 737-761.	1.4	23
337	The Study on Key Factors of Influencing Consumersâ€™ Purchase of Green Buildings Application of Two-stage Fuzzy Analytic Hierarchy Process. International Business Research, 2014, 7, .	0.2	5
338	An investigation for improved home energy management. , 2014, , .		1
339	A Simplified Procedure for Sizing Solar Thermal Systems; Based on National Assessment Methods in the UK and Ireland. Energy Procedia, 2014, 62, 647-655.	1.8	4
341	Characterization and optimization of a thermal flow sensor on circuit board level. , 2014, , .		6
342	Energy-based life cycle assessment (Em-LCA) of multi-unit and single-family residential buildings in Canada. International Journal of Sustainable Built Environment, 2014, 3, 207-224.	3.2	60
343	A Survey on Intrusive Load Monitoring for Appliance Recognition. , 2014, , .		93
344	Insulation and Energy-Saving Technology for the External Wall of Residential Building. Advanced Materials Research, 2014, 1073-1076, 1263-1270.	0.3	1
345	EMS@CNR: An Energy monitoring sensor network infrastructure for in-building location-based services. , 2014, , .		8

#	ARTICLE	IF	CITATIONS
346	Infrared reflector based on liquid crystal polymers and its impact on thermal comfort conditions in buildings. Proceedings of SPIE, 2014, , .	0.8	1
347	Evaluation of the energy performance and thermal comfort of an air conditioner with temperature and humidity controls in a cooling season. HVAC and R Research, 2014, 20, 61-71.	0.9	6
348	Energy Saving by Ambient Intelligence Techniques. , 2014, , .		12
349	Review on Reinforcement of Aerogel for Development of Advanced Nano Insulation Material for Application in Sustainable Buildings. Applied Mechanics and Materials, 0, 699, 277-282.	0.2	4
350	Modeling of dynamics in demand response for real-time pricing. , 2014, , .		10
351	From energy-efficient buildings to energy-efficient users and back: ergonomic issues in intelligent buildings design. Intelligent Buildings International, 2014, 6, 215-223.	1.3	5
352	Exergy Analysis on a Split-Type Conditioner Using Ejector as an Expansion Device. Applied Mechanics and Materials, 0, 699, 828-833.	0.2	1
353	Situation-aware adaptation to optimise energy consumption in intelligent buildings using coloured Petri Nets. , 2014, , .		4
354	Cities and Energy: Urban Morphology and Residential Heat-Energy Demand. Environment and Planning B: Planning and Design, 2014, 41, 138-162.	1.7	143
355	Energy and environmental forensic analysis of public buildings. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2014, 167, 143-156.	0.4	7
356	Performance assessment of thermal bridge elements into a full scale experimental study of a building facade. Energy and Buildings, 2014, 85, 579-591.	3.1	31
357	Smart Sensors Enable Smart Air Conditioning Control. Sensors, 2014, 14, 11179-11203.	2.1	49
358	How can We Tackle Energy Efficiency in IoT Based Smart Buildings?. Sensors, 2014, 14, 9582-9614.	2.1	103
359	Numerical Analysis of Modified Ejector Cycle on Ejector as an Expansion Device on Residential Air Conditioner. Applied Mechanics and Materials, 2014, 554, 261-265.	0.2	0
360	Fuzzy Adaptive PID Control of Indoor Temperature in VAV System. Applied Mechanics and Materials, 0, 638-640, 2092-2096.	0.2	3
361	Analysis of New Generation Material Solutions of Lower Structure for Energy Efficient Buildings. Key Engineering Materials, 2014, 635, 26-29.	0.4	0
362	Shadowing Impact on Amount of Power Generated by Photovoltaic Modules. Applied Mechanics and Materials, 0, 587-589, 342-347.	0.2	41
363	Thermophysical and Mechanical Properties of Hardened Cement Paste with Microencapsulated Phase Change Materials for Energy Storage. Materials, 2014, 7, 8070-8087.	1.3	32

#	ARTICLE	IF	CITATIONS
364	A distributed gaussian-means clustering algorithm for forecasting domestic energy usage. , 2014, , .		4
365	Feasibility of an Energy Efficient Large-Scale Aquaponic Food Production and Distribution Facility. , 2014, , .		1
366	Confucian thinking and the implications for sustainability in HRM. Asia-Pacific Journal of Business Administration, 2014, 6, 173-189.	1.5	26
367	Challenges in Interpreting the Design Intent from HVAC Sequence of Operations to Assess the System Behavior: A Case Study. , 2014, , .		0
368	Unsupervised energy disaggregation using conditional random fields. , 2014, , .		3
369	Energy efficiency via incentive design and utility learning. , 2014, , .		1
370	Integration and application of passive cooling within a wind tower for hot climates. HVAC and R Research, 2014, 20, 722-730.	0.9	28
371	Case Study on Residential Building Renovation and its Impact on the Energy Use and Thermal Comfort. Energy Procedia, 2014, 58, 160-165.	1.8	8
372	Identification building energy saving using Energy Efficiency Index approach. , 2014, , .		15
373	Indoor air quality monitoring system for smart buildings. , 2014, , .		36
374	A data access framework for integration to facilitate efficient building operation. , 2014, , .		0
375	&#x0022;OWLracle&#x0022; &#x2014; Predicting the impact of interdisciplinary energy efficiency methods at German universities using BCVTB. , 2014, , .		0
376	The potential and possible effects of power grid support activities on buildings: An analysis of experimental results for ventilation system. , 2014, , .		1
377	Model predictive control for energy-efficient buildings: An airport terminal building study. , 2014, , .		8
378	Simulating the Thermal-Energy Performance of Buildings at the Urban Scale: Evaluation of Inter-Building Effects in Different Urban Configurations. Journal of Urban Technology, 2014, 21, 3-20.	2.5	22
379	Establishing an assessment framework for energy sustainability in prisons: The E-SEAP project. , 2014, , .		1
380	A multi-scale life-cycle energy and greenhouse-gas emissions analysis model for residential buildings. Architectural Science Review, 2014, 57, 39-48.	1.1	47
381	Building power demand response methods toward smart grid. HVAC and R Research, 2014, 20, 665-687.	0.9	66

#	ARTICLE	IF	CITATIONS
382	Economical nonlinear model predictive control for building climate control. , 2014, , .		7
383	Experimental Validation of Energy Resources Integration in Microgrids via Distributed Predictive Control. IEEE Transactions on Energy Conversion, 2014, 29, 1018-1025.	3.7	23
384	Investigation of the role of cavity airflow on the performance of building-integrated photovoltaic panels. Solar Energy, 2014, 107, 510-522.	2.9	34
385	Servitization in Projectâ€Based Firms. Strategic Change, 2014, 23, 329-340.	2.5	9
386	Thermal flow sensors based on printed circuit board technology. , 2014, , .		4
387	A review of existing building benchmarks and the development of a set of reference office buildings for England and Wales. Intelligent Buildings International, 2014, 6, 41-64.	1.3	13
388	Influence of Geometric Patterns of Microstructured Superhydrophobic Surfaces on Water-Harvesting Performance via Dewing. Langmuir, 2014, 30, 15468-15476.	1.6	72
389	Methods to reduce the CO <sub>2</sub> concentration of educational buildings utilizing internal ventilation by transferred air. Indoor Air, 2014, 24, 71-80.	2.0	6
390	Indoor Air Purification Using Activated Carbon Adsorbers: Regeneration Using Catalytic Combustion of Intermediately Stored VOC. Industrial & Engineering Chemistry Research, 2014, 53, 19304-19312.	1.8	28
391	Neural Network based downscaling of Building Energy Management System data. , 2014, , .		7
392	Modelling piezoelectric energy harvesting potential in an educational building. Energy Conversion and Management, 2014, 85, 435-442.	4.4	64
393	Computer-supported methodologies to estimate the eave effect on building energy consumption. , 2014, , .		0
394	Stochastic modeling and disaggregation of energy-consumption behavior. , 2014, , .		2
395	APPLYING A KANO QUALITY MODEL FOR INTELLIGENT GREEN BUILDING DESIGN STRATEGIES IN TAIWAN. International Journal of Strategic Property Management, 2014, 18, 125-137.	0.8	6
396	DC distribution system for energy efficient buildings. , 2014, , .		11
397	Improving energy benchmarking with self-reported data. Building Research and Information, 2014, 42, 641-656.	2.0	31
398	Energy Savings in Air Conditioning System Using Ejector: An Overview. Applied Mechanics and Materials, 0, 493, 93-98.	0.2	8
399	Selection of suitable passive cooling strategy for a subtropical climate. International Journal of Mechanical and Materials Engineering, 2014, 9, .	1.1	18

#	ARTICLE	IF	CITATIONS
400	Experimental Investigation of Flow and Heat Transfer Characteristics in the Generation of Clathrate Hydrate Slurry. <i>Heat Transfer Engineering</i> , 2014, 35, 693-702.	1.2	7
401	Energy transfer through single- and double-pane windows subject to wintertime environmental radiation. <i>Journal of Building Physics</i> , 2014, 38, 214-233.	1.2	1
402	Effect of CNT/CNF on Thermal and Mechanical Properties of Cement Mortars. <i>Advanced Materials Research</i> , 2014, 1049-1050, 234-237.	0.3	4
403	Finding the optimal set points of a thermal and ventilation control system under changing outdoor weather conditions. <i>Indoor and Built Environment</i> , 2014, 23, 118-132.	1.5	8
404	An investigation of thermal comfort adaptation behaviour in office buildings in the UK. <i>Indoor and Built Environment</i> , 2014, 23, 675-691.	1.5	42
405	Low Carbon Green Building Skills Requirements for Existing Buildings. <i>Advanced Materials Research</i> , 2014, 1073-1076, 1288-1292.	0.3	2
406	Green Ergonomics and Green Buildings. <i>Ergonomics in Design</i> , 2014, 22, 5-12.	0.4	10
407	Rapid Control Prototyping in the Development of Home Energy Management Systems. <i>Applied Mechanics and Materials</i> , 0, 659, 395-400.	0.2	2
408	Indoor-Biofilter Growth and Exposure to Airborne Chemicals Drive Similar Changes in Plant Root Bacterial Communities. <i>Applied and Environmental Microbiology</i> , 2014, 80, 4805-4813.	1.4	28
409	A Low Cost Implementation of Home Area Networks for Home Energy Management Systems. , 2014, , .		13
410	Analysis of structural elements and energy consumption of school building stock in Cyprus: Energy simulations and upgrade scenarios of a typical school. <i>Energy and Buildings</i> , 2014, 72, 8-16.	3.1	61
411	Assessing the impact of micro-generation technologies on local sustainability. <i>Energy Conversion and Management</i> , 2014, 87, 1281-1290.	4.4	34
412	The assessment of building energy efficiency in China rural society: Developing a new theoretical construct. <i>Technology in Society</i> , 2014, 38, 130-138.	4.8	7
413	Spatiotemporal lighting load disaggregation using light intensity signal. <i>Energy and Buildings</i> , 2014, 69, 572-583.	3.1	23
414	Learning decision rules for energy efficient building control. <i>Journal of Process Control</i> , 2014, 24, 763-772.	1.7	29
415	High throughput computing based distributed genetic algorithm for building energy consumption optimization. <i>Energy and Buildings</i> , 2014, 76, 92-101.	3.1	61
416	A Case Study of Technical and Economic Comparison among Energy Production Systems in a Complex of Historic Buildings in Rome. <i>Energy Procedia</i> , 2014, 45, 482-491.	1.8	37
417	Overview of rural building energy efficiency in China. <i>Energy Policy</i> , 2014, 69, 385-396.	4.2	75



#	ARTICLE	IF	CITATIONS
418	Comparison of thermal transfer characteristics of wood flooring according to the installation method. <i>Energy and Buildings</i> , 2014, 70, 422-426.	3.1	9
419	A proposed subcooling method for vapor compression refrigeration cycle based on expansion power recovery. <i>International Journal of Refrigeration</i> , 2014, 43, 50-61.	1.8	41
420	A comparison of global bioclimates in the 20th and 21st centuries and building energy consumption implications. <i>Building and Environment</i> , 2014, 75, 236-249.	3.0	17
421	An online interactive tool to assess energy consumption in residential buildings and for daily mobility. <i>Energy and Buildings</i> , 2014, 78, 50-58.	3.1	14
422	Review of international regulations governing the thermal insulation requirements of residential buildings and the harmonization of envelope energy loss. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 34, 78-90.	8.2	60
423	Success factors of energy efficiency measures in buildings in Norway. <i>Energy and Buildings</i> , 2014, 76, 476-487.	3.1	26
424	Modern earth sheltered constructions: A paradigm of green engineering. <i>Tunnelling and Underground Space Technology</i> , 2014, 41, 46-52.	3.0	41
425	Expanding Inter-Building Effect modeling to examine primary energy for lighting. <i>Energy and Buildings</i> , 2014, 76, 513-523.	3.1	55
426	Investigation of energy-efficient strategy for direct expansion air-cooled air conditioning systems. <i>Applied Thermal Engineering</i> , 2014, 66, 84-93.	3.0	18
427	Application of sensitivity analysis in building energy simulations: Combining first- and second-order elementary effects methods. <i>Energy and Buildings</i> , 2014, 68, 741-750.	3.1	151
428	Building energy index and end-use energy analysis in large-scale hospitalsâ€”case study in Malaysia. <i>Energy Efficiency</i> , 2014, 7, 243-256.	1.3	32
429	Performance of a coupled cooling system with earth-to-air heat exchanger and solar chimney. <i>Renewable Energy</i> , 2014, 62, 468-477.	4.3	102
430	Study of adsorption characteristics in silica gelâ€”water adsorption refrigeration. <i>Applied Energy</i> , 2014, 113, 734-741.	5.1	64
431	Review of automated fault detection and diagnostic tools in air handling units. <i>Energy Efficiency</i> , 2014, 7, 335-351.	1.3	57
432	Energy and investment intensity of integrated renovation and 2030 cost optimal savings. <i>Energy and Buildings</i> , 2014, 75, 51-59.	3.1	46
433	Optimization of hydrogen production by filtration combustion of natural gas by water addition. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 7338-7345.	3.8	25
434	Energy security in Bangladesh perspectiveâ€”An assessment and implication. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 32, 154-171.	8.2	56
435	Thermal performance of concrete-based roofs in tropical climate. <i>Energy and Buildings</i> , 2014, 76, 392-401.	3.1	49

#	ARTICLE	IF	CITATIONS
436	Use of PCMâ€“polymer composite dense sheet including EAFD in constructive systems. Energy and Buildings, 2014, 68, 1-6.	3.1	16
437	Only reasoned action? An interorganizational study of energy-saving behaviors in office buildings. Energy Efficiency, 2014, 7, 761-775.	1.3	43
439	A review on optimized control systems for building energy and comfort management of smart sustainable buildings. Renewable and Sustainable Energy Reviews, 2014, 34, 409-429.	8.2	633
440	Coupling building energy simulation and computational fluid dynamics: Application to a two-storey house in a temperate climate. Building and Environment, 2014, 75, 30-39.	3.0	45
441	A review on applications of ANN and SVM for building electrical energy consumption forecasting. Renewable and Sustainable Energy Reviews, 2014, 33, 102-109.	8.2	701
442	Tri-generation systems: Energy policies, prime movers, cooling technologies, configurations and operation strategies. Renewable and Sustainable Energy Reviews, 2014, 32, 396-415.	8.2	211
443	Predicting building ages from LiDAR data with random forests for building energy modeling. Energy and Buildings, 2014, 68, 603-610.	3.1	49
444	Phase change materials integrated in building walls: A state of the art review. Renewable and Sustainable Energy Reviews, 2014, 31, 870-906.	8.2	525
445	Numerical and experimental study of an ejector as an expansion device in split-type air conditioner for energy savings. Energy and Buildings, 2014, 79, 98-105.	3.1	30
446	Method for the determination of optimal work environment in office buildings considering energy consumption and human performance. Energy and Buildings, 2014, 76, 278-283.	3.1	27
447	Efficient building energy management using distributed model predictive control. Journal of Process Control, 2014, 24, 740-749.	1.7	75
448	Low computational cost technique for predictive management of thermal comfort in non-residential buildings. Journal of Process Control, 2014, 24, 750-762.	1.7	23
449	Big meter data analysis of the energy efficiency potential in Stockholm's building stock. Energy and Buildings, 2014, 78, 153-164.	3.1	55
450	Building and household X-factors and energy consumption at the residential sector. Energy Economics, 2014, 43, 178-184.	5.6	86
451	Saving energy when using air conditioners in officesâ€“Behavioral pattern and design indications. Energy and Buildings, 2014, 76, 661-668.	3.1	17
452	Thermal comfort and building energy consumption implications â€“ A review. Applied Energy, 2014, 115, 164-173.	5.1	962
453	EKF based self-adaptive thermal model for a passive house. Energy and Buildings, 2014, 68, 811-817.	3.1	137
454	Classroom energy efficiency and air environment with displacement natural ventilation in a passive public school building. Energy and Buildings, 2014, 70, 258-270.	3.1	72

#	ARTICLE	IF	CITATIONS
455	Theory and applications of HVAC control systems – A review of model predictive control (MPC). Building and Environment, 2014, 72, 343-355.	3.0	815
456	Annual evaluation of energy, environmental and economic performances of a membrane liquid desiccant air conditioning system with/without ERV. Applied Energy, 2014, 116, 134-148.	5.1	77
457	Experimental studies on summer performance and feasibility of a BIPV/T ethylene tetrafluoroethylene (ETFE) cushion structure system. Energy and Buildings, 2014, 69, 394-406.	3.1	55
458	Composites of polyethylene glycol (PEG600) with gypsum and natural clay as new kinds of building PCMs for low temperature-thermal energy storage. Energy and Buildings, 2014, 69, 184-192.	3.1	92
459	Simulation of hybrid renewable microgeneration systems for variable electricity prices. Applied Thermal Engineering, 2014, 71, 667-676.	3.0	38
460	A review of different strategies for HVAC energy saving. Energy Conversion and Management, 2014, 77, 738-754.	4.4	338
461	Energy performance of air-conditioning systems using an indirect evaporative cooling combined with a cooling/reheating treatment. Energy and Buildings, 2014, 69, 490-497.	3.1	26
462	Development of temperature and humidity independent control (THIC) air-conditioning systems in China – A review. Renewable and Sustainable Energy Reviews, 2014, 29, 793-803.	8.2	82
463	Thermal comfort assessment and potential for energy efficiency enhancement in modern tropical buildings: A review. Energy and Buildings, 2014, 68, 547-557.	3.1	116
464	Improving the renewable energy mix in a building toward the nearly zero energy status. Energy and Buildings, 2014, 68, 72-78.	3.1	63
465	Thermal energy storage with phase change material – A state-of-the art review. Sustainable Cities and Society, 2014, 10, 87-100.	5.1	220
466	User-led decentralized thermal comfort driven HVAC operations for improved efficiency in office buildings. Energy and Buildings, 2014, 70, 398-410.	3.1	170
467	Effect of LED lighting on the cooling and heating loads in office buildings. Applied Energy, 2014, 113, 1484-1489.	5.1	109
468	Experimental assessment of position of macro encapsulated phase change material in concrete walls on indoor temperatures and humidity levels. Energy and Buildings, 2014, 71, 80-87.	3.1	135
469	On the proper integration of wood stoves in passive houses under cold climates. Energy and Buildings, 2014, 72, 87-95.	3.1	25
470	Environmentally opportunistic computing: A distributed waste heat reutilization approach to energy-efficient buildings and data centers. Energy and Buildings, 2014, 69, 41-50.	3.1	19
471	A fuzzy multi-criteria decision making approach to assess building energy performance. Energy and Buildings, 2014, 72, 382-389.	3.1	81
472	Evaluation of energy saving potential using Stochastic Model Predictive Control for stand alone Air Conditioning units a study in Indian scenario. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
473	A Study on Energy Efficiency Improvement Opportunities for Plug Loads in Buildings in the Equatorial Region. Energy Procedia, 2014, 56, 621-633.	1.8	5
474	How organisational behaviour and attitudes can impact building energy use in the UK retail environment: a theoretical framework. Architectural Engineering and Design Management, 2014, 10, 164-179.	1.2	24
475	A survey of district heating systems in the heating regions of northern China. Energy, 2014, 77, 909-925.	4.5	40
476	Optimizing the energy exchange between the Smart Grid and Building Systems. , 2014, , .		10
477	A framework for integrated urban metabolism analysis tool (IUMAT). Building and Environment, 2014, 82, 702-712.	3.0	28
478	A distributed web-based naming system for smart buildings. , 2014, , .		0
479	Real-Time Integration of Building Energy Data. , 2014, , .		8
480	Data-driven modeling of thermal energy storage tank. , 2014, , .		18
481	Water and methanol adsorption on MOFs for cycling heat transformation processes. New Journal of Chemistry, 2014, 38, 1846-1852.	1.4	215
482	The comparison of thermal insulation types of plaster with cement plaster. Journal of Cleaner Production, 2014, 83, 256-262.	4.6	39
483	Challenges of Self-Sensing Concrete. , 2014, , 361-376.		11
484	Application of broadband infrared reflector based on cholesteric liquid crystal polymer bilayer film to windows and its impact on reducing the energy consumption in buildings. Journal of Materials Chemistry A, 2014, 2, 14622.	5.2	77
485	Experimental implementation of UFAD regulation based on Robust Controlled Invariance. , 2014, , .		6
486	Reducing three-phase power imbalance with electric springs. , 2014, , .		10
487	Al-foil-bonded enveloping and double enveloping for application to vacuum insulation panels. Energy and Buildings, 2014, 84, 595-606.	3.1	13
488	Numerical study on the thermal performance of building wall and roof incorporating phase change material panel for passive cooling application. Energy and Buildings, 2014, 81, 404-415.	3.1	160
489	Environmental Performance of Green Building Code and Certification Systems. Environmental Science & Technology, 2014, 48, 2551-2560.	4.6	38
490	Cooling of air using heptadecane phase change material in shell and tube arrangement: Analytical and experimental study. Energy and Buildings, 2014, 85, 98-106.	3.1	21

#	ARTICLE	IF	CITATIONS
491	Investigations on the integration and acceptability of GSHP in the UK dwellings. Building and Environment, 2014, 82, 442-449.	3.0	21
492	Applicability of LEED's energy and atmosphere category in three developing countries. Energy and Buildings, 2014, 84, 690-697.	3.1	34
493	The power of efficiency: Optimizing environmental and social benefits through demand-side-management. Energy, 2014, 76, 502-512.	4.5	23
494	Sensitivity analysis for robust design of building energy systems. Energy, 2014, 76, 264-275.	4.5	21
495	Power quality investigation in a passive house. , 2014, , .		5
496	Experimental and numerical investigations of the energy efficiency of conventional air conditioning systems in cooling mode and comfort assurance in office buildings. Energy and Buildings, 2014, 85, 45-58.	3.1	18
497	Phase change materials in hot water tank for shifting peak power demand. Solar Energy, 2014, 107, 628-635.	2.9	38
498	Energy technology allocation for distributed energy resources: A strategic technology-policy framework. Energy, 2014, 72, 783-799.	4.5	46
499	Multipurpose characterization of glazing systems with silica aerogel: In-field experimental analysis of thermal-energy, lighting and acoustic performance. Building and Environment, 2014, 81, 92-102.	3.0	94
500	Multi-model prediction and simulation of residential building energy in urban areas of Chongqing, South West China. Energy and Buildings, 2014, 81, 161-169.	3.1	72
501	Residential water heaters in Brisbane, Australia: Thinking beyond technology selection to enhance energy efficiency and level of service. Energy and Buildings, 2014, 82, 222-236.	3.1	36
502	Dropwise Condensation on Micro- and Nanostructured Surfaces. Nanoscale and Microscale Thermophysical Engineering, 2014, 18, 223-250.	1.4	235
503	Building-stock aggregation through archetype buildings: France, Germany, Spain and the UK. Building and Environment, 2014, 81, 270-282.	3.0	181
504	Energy-efficient fuzzy model-based multivariable predictive control of a HVAC system. Energy and Buildings, 2014, 82, 520-533.	3.1	41
505	Sensitivity analysis of the thermal performance of radiant and convective terminals for cooling buildings. Energy and Buildings, 2014, 82, 482-491.	3.1	57
506	Evaluation of the thermal and structural performance of potential energy efficient wall systems for mid-rise wood-frame buildings. Energy and Buildings, 2014, 82, 416-427.	3.1	14
507	Modeling and optimization of a chiller plant. Energy, 2014, 73, 898-907.	4.5	76
508	Modeling and short-term prediction of HVAC system with a clustering algorithm. Energy and Buildings, 2014, 82, 310-321.	3.1	45

#	ARTICLE	IF	CITATIONS
509	Optimisation of energy management in commercial buildings with weather forecasting inputs: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 39, 587-603.	8.2	126
510	Minimization of energy consumption in HVAC systems with data-driven models and an interior-point method. <i>Energy Conversion and Management</i> , 2014, 85, 146-153.	4.4	73
511	Measurement and prediction of the indoor airflow in a room ventilated with a commercial wind tower. <i>Energy and Buildings</i> , 2014, 84, 367-377.	3.1	71
512	Hybrid model predictive control of stratified thermal storages in buildings. <i>Energy and Buildings</i> , 2014, 84, 233-240.	3.1	23
513	Experimental investigation of air conditioning system using evaporative cooling condenser. <i>Energy and Buildings</i> , 2014, 81, 435-443.	3.1	74
514	Mining Building Energy Management System Data Using Fuzzy Anomaly Detection and Linguistic Descriptions. <i>IEEE Transactions on Industrial Informatics</i> , 2014, 10, 1829-1840.	7.2	83
515	Coloured Solar-thermal Absorbers – A Comparative Analysis of Cermet Structures. <i>Energy Procedia</i> , 2014, 48, 543-553.	1.8	17
516	Performance optimization of HVAC systems with computational intelligence algorithms. <i>Energy and Buildings</i> , 2014, 81, 371-380.	3.1	62
518	Public awareness and willingness to adopt ground source heat pumps for domestic heating and cooling. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 34, 49-57.	8.2	88
519	Investigating the thermal behavior of double-skin perforated sheet façades: Part A: Model characterization and validation procedure. <i>Building and Environment</i> , 2014, 82, 50-62.	3.0	51
520	Reducing the total life cycle energy demand of recent residential buildings in Lebanon. <i>Energy</i> , 2014, 74, 618-637.	4.5	80
521	Cluster analysis of simulated energy use for LEED certified U.S. office buildings. <i>Energy and Buildings</i> , 2014, 85, 86-97.	3.1	43
522	Smart indoor lighting control: Power, illuminance, and colour quality. , 2014, , .		14
523	A new methodology for building energy performance benchmarking: An approach based on intelligent clustering algorithm. <i>Energy and Buildings</i> , 2014, 84, 607-616.	3.1	130
524	Thermal comfort evaluation in a mechanically ventilated office building located in a continental climate. <i>Energy and Buildings</i> , 2014, 81, 424-429.	3.1	21
525	Towards the real-life implementation of MPC for an office building: Identification issues. <i>Applied Energy</i> , 2014, 135, 53-62.	5.1	81
526	Fuel processing activities at European level: A panoramic overview. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 17953-17968.	3.8	63
527	User-centric smart buildings for energy sustainable smart cities. <i>Transactions on Emerging Telecommunications Technologies</i> , 2014, 25, 41-55.	2.6	67

#	ARTICLE	IF	CITATIONS
528	Personalized conditioning and its impact on thermal comfort and energy performance – A review. Renewable and Sustainable Energy Reviews, 2014, 34, 401-408.	8.2	225
529	Mapping demand for residential building thermal energy services using airborne LiDAR. Applied Energy, 2014, 127, 125-134.	5.1	31
530	The effect of weather forecast uncertainty on a predictive control concept for building systems operation. Applied Energy, 2014, 116, 311-321.	5.1	48
531	Energy saving practice diffusion in online networks. Energy and Buildings, 2014, 76, 622-630.	3.1	12
532	Impact of phase change materials types and positioning on hot water tank thermal performance: Using measured water demand profile. Applied Thermal Engineering, 2014, 67, 460-468.	3.0	80
533	Building Information Modeling (BIM) application framework: The process of expanding from 3D to computable nD. Automation in Construction, 2014, 46, 82-93.	4.8	232
534	Thermodynamic analysis of a novel energy-efficient refrigeration system subcooled by liquid desiccant dehumidification and evaporation. Energy Conversion and Management, 2014, 78, 286-296.	4.4	53
535	Model-based energy efficient control applied to an office building. Journal of Process Control, 2014, 24, 790-797.	1.7	48
536	Performance of novel thermal energy storage engineered cementitious composites incorporating a paraffin/diatomite composite phase change material. Applied Energy, 2014, 121, 114-122.	5.1	95
537	Development and alpha testing of a cloud based automated fault detection and diagnosis tool for Air Handling Units. Automation in Construction, 2014, 39, 70-83.	4.8	47
538	Systems accounting for energy consumption and carbon emission by building. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 1859-1873.	1.7	79
539	Cool products for building envelope – Part I: Development and lab scale testing. Solar Energy, 2014, 105, 770-779.	2.9	32
540	How much information disclosure of building energy performance is necessary?. Energy Policy, 2014, 64, 263-272.	4.2	74
541	Variability of optimal solutions for building components based on comprehensive life cycle cost analysis. Energy and Buildings, 2014, 79, 223-231.	3.1	52
542	Analysis of tri-generation system in combined cooling and heating mode. Energy and Buildings, 2014, 72, 353-360.	3.1	29
543	Pattern recognition algorithms for electricity load curve analysis of buildings. Energy and Buildings, 2014, 73, 137-145.	3.1	89
544	A Multi-sensor Office-building Database for Experimental Validation and Advanced Control Algorithm Development. Procedia Computer Science, 2014, 32, 1003-1009.	1.2	4
545	An experimental study on a full-scale indoor thermal environment using an Under-Floor Air Distribution system. Energy and Buildings, 2014, 80, 321-330.	3.1	26

#	ARTICLE	IF	CITATIONS
546	An optimal design analysis method for heat recovery devices in building applications. Applied Energy, 2014, 129, 364-372.	5.1	21
547	Preparation and thermal properties of stearic acid/titanium dioxide composites as shape-stabilized phase change materials for building thermal energy storage. Energy and Buildings, 2014, 80, 352-357.	3.1	48
548	Development of an energy evaluation methodology to make multiple predictions of the HVAC&R system energy demand for office buildings. Energy and Buildings, 2014, 80, 169-183.	3.1	37
549	Advances in wind energy resource exploitation in urban environment: A review. Renewable and Sustainable Energy Reviews, 2014, 37, 613-626.	8.2	170
550	Will Web Technologies Impact on Building Automation Systems Architecture?. Procedia Computer Science, 2014, 32, 985-990.	1.2	1
551	Traditional solutions in low energy buildings of hot-arid regions of Iran. Sustainable Cities and Society, 2014, 13, 171-181.	5.1	55
552	Theoretical and real effect of the school's thermal modernizationâ€”A case study. Energy and Buildings, 2014, 81, 30-37.	3.1	33
553	Experimental investigations of solar driven ejector air-conditioning system. Energy and Buildings, 2014, 80, 260-267.	3.1	108
554	Cement-based renders with insulating properties. Construction and Building Materials, 2014, 65, 427-431.	3.2	9
555	An integrated optimisation method for residential building design: A case study in Spain. Energy and Buildings, 2014, 80, 158-168.	3.1	24
556	Model calibration for building energy efficiency simulation. Applied Energy, 2014, 130, 72-85.	5.1	147
557	A study of passive ventilation integrated with heat recovery. Energy and Buildings, 2014, 82, 799-811.	3.1	44
558	What is the potential and demonstrated role of non-life insurers in fulfilling climate commitments? A case study of Nordic insurers. Environmental Science and Policy, 2014, 38, 87-106.	2.4	18
559	Numerical and experimental analysis into the thermal performance of a novel phase change material gypsum board. , 2014, , .		1
560	Exergy Analysis and Optimization of a Building Air Conditioning System in Tropical Climate. , 2014, , .		0
561	Neural Network based HVAC Predictive Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3617-3622.	0.4	7
562	Building Temperature Control With Active Occupant Feedback. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 851-856.	0.4	9
563	Evaluation of the Thermal and Structural Performance of Potential Energy Efficient Wall Systems for Mid-Rise Wood-Frame Buildings. , 2014, , .		1



#	ARTICLE	IF	CITATIONS
564	Occupancy monitoring using environmental & context sensors and a hierarchical analysis framework. , 2014, , .		33
566	Application of T-S fuzzy controllers on an HVAC system. , 2014, , .		2
567	Energy Efficiency in Buildings in Hot Humid Climatic Regions Using Phase Change Materials as Thermal Mass in Building Envelope. Energy and Environment, 2014, 25, 1405-1421.	2.7	6
568	From Linear to Nonlinear Model Predictive Control of a Building. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 587-592.	0.4	4
569	Thermal Memory and Transition in Lobby Spaces. Energy Procedia, 2014, 62, 502-511.	1.8	10
570	Thermal Flow Sensor based on Printed Circuit Board Technology for Ventilation and Air Conditioning Systems. Procedia Engineering, 2014, 87, 1342-1345.	1.2	1
571	Application of the LEED PRM to an Italian Existing Building. Energy Procedia, 2014, 62, 141-149.	1.8	7
572	Positioning infrastructure and technologies for low-carbon urbanization. Earth's Future, 2014, 2, 533-547.	2.4	41
573	Utility consumption among malaysian electricity users in government buildings. , 2014, , .		1
574	Predictive Control of Multizone HVAC Systems in Non-residential Buildings. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 12080-12085.	0.4	8
575	Perception of indoor environment quality in differently ventilated workplaces in tropical monsoon climates. Procedia Engineering, 2015, 118, 81-87.	1.2	7
576	Statistical Analyses of Energy Consumption Data in Urban Office Buildings of Changsha, China. Procedia Engineering, 2015, 121, 1158-1163.	1.2	6
577	Assessing Robustness Regarding Weather Uncertainties for Energy- Efficiency-Driven Building Refurbishments. Energy Procedia, 2015, 78, 931-936.	1.8	16
578	Design, Building up and First Results of Three Monitored Green Coverings Over a University Department Building. Energy Procedia, 2015, 78, 3037-3042.	1.8	2
579	Energy Savings and Cost-benefit Analysis of the New Commercial Building Standard in China. Procedia Engineering, 2015, 121, 317-324.	1.2	7
580	Learning Energy Consumption and Demand Models through Data Mining for Reverse Engineering. Procedia Engineering, 2015, 118, 1319-1324.	1.2	2
581	Ventilative Cooling as a Solution for Highly Insulated Buildings in Cold Climate. Energy Procedia, 2015, 78, 3013-3018.	1.8	9
582	Modelling of a Multi-purpose Commercial Building for Demand Response Analysis. Energy Procedia, 2015, 78, 2166-2171.	1.8	19

#	ARTICLE	IF	CITATIONS
583	Data Driven Approaches for Prediction of Building Energy Consumption at Urban Level. Energy Procedia, 2015, 78, 3378-3383.	1.8	73
584	Calibration Procedures for Multidimensional Heat Transfer Models Based on On-site Experimental Data. Energy Procedia, 2015, 78, 3222-3227.	1.8	5
585	Fitting conduction transfer function method to low Fourier numbers: application to ground-coupled floors. Journal of Building Performance Simulation, 2015, 8, 424-434.	1.0	1
586	Development and Testing of Environmentally Friendly Envelope for Energy Efficient Buildings in the Czech Republic. Energy Procedia, 2015, 78, 285-290.	1.8	8
587	Design a Zero Energy House in Brisbane, Australia. Procedia Engineering, 2015, 121, 604-611.	1.2	19
588	If You Measure It, Can You Improve It? Exploring The Value of Energy Disaggregation. , 2015, , .		25
589	Smart grid communication at the interface of customer buildings with focus on demand response. , 2015, , .		6
590	Computational fluid dynamics-based thermal modeling for efficient building energy management. , 2015, , .		4
591	Improving Wi-Fi Based Localization Using External Constraints. , 2015, , .		0
592	Data-fusion for increasing temporal resolution of building energy management system data. , 2015, , .		11
593	Effect of Rotation Speed of a Rotary Thermal Wheel on Ventilation Supply Rates of Wind Tower System. Energy Procedia, 2015, 75, 1705-1710.	1.8	12
594	Analysis of the energy usage in university buildings: The case of aristotle university campus. , 2015, , .		4
597	Uncertainty assessment in building energy performance with a simplified model. International Journal of Metrology and Quality Engineering, 2015, 6, 308.	0.4	6
598	Zodiac. , 2015, , .		32
599	Energy Planning in the Urban Context: Challenges and Perspectives. Energy Procedia, 2015, 78, 3366-3371.	1.8	36
600	Optimization of a Novel Solar Heat Pipe Heat Recovery Fan. Procedia Engineering, 2015, 121, 2224-2231.	1.2	0
601	Building HVAC load profiling using EnergyPlus. , 2015, , .		6
602	Thermal estimations to support buildings retrofit: Which envelope to manufacture?. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
603	A Method to Evaluate Energy Performance of Buildings Cooled by Room Air Conditioners. Energy Procedia, 2015, 75, 1275-1283.	1.8	1
604	nZEB Retrofit of a Concrete Large Panel Apartment Building. Energy Procedia, 2015, 78, 985-990.	1.8	30
605	Experimental analysis of performance, greenhouse gas emissions and economic parameters for two cooling systems in a public administration building. Energy and Buildings, 2015, 108, 145-155.	3.1	11
606	Monitoring results of CO2 avoidance with an 8.5kWh solar electric generator integrated in a high rise commercial building in UK. International Journal of Sustainable Built Environment, 2015, 4, 189-201.	3.2	3
607	Remote Facade Surveying of Windows Characteristics. Energy Procedia, 2015, 78, 925-930.	1.8	2
608	Re-examination of external temperature as a predictor of energy usage in buildings. Journal of Building Engineering, 2015, 3, 184-194.	1.6	3
609	An IoT based framework for user-centric smart building services. International Journal of Web and Grid Services, 2015, 11, 78.	0.4	17
611	An overview of load management techniques in smart grid. International Journal of Energy Research, 2015, 39, 1437-1450.	2.2	45
612	Earth-air heat exchanger as a green retrofit for ChandÄ«garhÄ«a critical review. Geothermal Energy, 2015, 3, .	0.9	22
613	Double skin faÃ§ade (DSF) technologies for UK office refurbishments. Structural Survey, 2015, 33, 372-406.	1.0	5
614	A Self-Adjusting Method for Real-Time Calculation of Thermal Loads in HVAC-R Applications. Journal of Thermal Science and Engineering Applications, 2015, 7, .	0.8	1
615	Effect of Refrigerant on the Exergy Loss and Performance in Air Conditioner Using Ejector as Expansion Device. Advanced Materials Research, 2015, 1125, 531-535.	0.3	1
616	Distributed MPC for resourceÄ«constrained control systems. Optimal Control Applications and Methods, 2015, 36, 272-291.	1.3	11
617	Energy management systems for hospitals in Gaza-strip. , 2015, , .		14
618	A Critical Overview of Net Zero Energy Buildings and Fuzzy Cognitive Maps. International Journal of Monitoring and Surveillance Technologies Research, 2015, 3, 20-43.	0.3	5
619	Effect of Architectural Glazing Parameters, Shading, Thermal Mass and Night Ventilation on Public Building Energy Consumption under Hungarian Climate. Periodica Polytechnica: Civil Engineering, 2015, 59, 209-223.	0.6	2
620	PRIORITIZING OCCUPANTS UNDERSTANDING LEVEL ON RESIDENTIAL BUILDING ENERGY CONSUMPTION. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.3	0
621	Morphology of Burned Ultra-low Density Fiberboards. BioResources, 2015, 10, .	0.5	0

#	ARTICLE	IF	CITATIONS
622	Mechanical, Electrical, and Plumbing Systems in Construction Management: A Literature Review of Existing MEP Textbooks. , 0, , .		1
623	A Review of Approaches for Sensing, Understanding, and Improving Occupancy-Related Energy-Use Behaviors in Commercial Buildings. <i>Energies</i> , 2015, 8, 10996-11029.	1.6	66
624	A Methodological Comparison between Energy and Environmental Performance Evaluation. <i>Sustainability</i> , 2015, 7, 10324-10342.	1.6	30
625	Analysis of a Building Energy Efficiency Certification System in Korea. <i>Sustainability</i> , 2015, 7, 16086-16107.	1.6	33
626	Waste Energy Recovery from Natural Gas Distribution Network: CELSIUS Project Demonstrator in Genoa. <i>Sustainability</i> , 2015, 7, 16703-16719.	1.6	12
627	120 Years of U.S. Residential Housing Stock and Floor Space. <i>PLoS ONE</i> , 2015, 10, e0134135.	1.1	47
628	A Subspace Identification Method for Detecting Abnormal Behavior in HVAC Systems. <i>Journal of Energy</i> , 2015, 2015, 1-12.	1.4	5
629	Poster Abstract. , 2015, , .		4
630	Longitudinal Analysis of Normative Energy Use Feedback on Dormitory Occupants. <i>SSRN Electronic Journal</i> , 2015, , .	0.4	1
631	Improving Energy Saving Techniques by Ambient Intelligence Scheduling. , 2015, , .		12
632	An environmental social marketing intervention among employees: assessing attitude and behaviour change. <i>Journal of Marketing Management</i> , 2015, 31, 336-377.	1.2	39
633	Infrared-Transparent Visible-Opaque Fabrics for Wearable Personal Thermal Management. <i>ACS Photonics</i> , 2015, 2, 769-778.	3.2	252
634	Embodied energy on refurbishment vs. demolition: A southern Europe case study. <i>Energy and Buildings</i> , 2015, 87, 386-394.	3.1	75
635	Modeling the reliability of multi-carrier energy systems considering dynamic behavior of thermal loads. <i>Energy and Buildings</i> , 2015, 103, 375-383.	3.1	80
636	Latent Heat Thermal Storage (LHTS) for Energy Sustainability. <i>Green Energy and Technology</i> , 2015, , 245-263.	0.4	6
637	Building neighborhood emerging properties and their impacts on multi-scale modeling of building energy and airflows. <i>Building and Environment</i> , 2015, 91, 246-262.	3.0	77
638	Smart concretes and structures: A review. <i>Journal of Intelligent Material Systems and Structures</i> , 2015, 26, 1303-1345.	1.4	184
639	Energy-based sustainability assessment of different energy options for green buildings. <i>Energy Conversion and Management</i> , 2015, 100, 97-102.	4.4	35

#	ARTICLE	IF	CITATIONS
640	Review of solar thermoelectric cooling technologies for use in zero energy buildings. Energy and Buildings, 2015, 102, 207-216.	3.1	124
641	Urban Data and Building Energy Modeling: A GIS-Based Urban Building Energy Modeling System Using the Urban-EPC Engine. Lecture Notes in Geoinformation and Cartography, 2015, , 447-469.	0.5	28
642	Calorimetric flow sensors based on thick-film printed thermopiles for air conditioning system monitoring. , 2015, , .		3
643	Distributed consensus algorithms for collaborative temperature control in smart buildings. , 2015, , .		12
644	From robust chip to smart building: CAD algorithms and methodologies for uncertainty analysis of building performance. , 2015, , .		6
645	User interaction event detection in the context of appliance monitoring. , 2015, , .		5
646	Non-intrusive load monitoring of HVAC components using signal unmixing. , 2015, , .		7
647	Influence of weather boundary conditions on building energy modeling. , 2015, , .		1
648	Incentive compatible mechanism for coordinated temperature control in multi-occupant buildings. , 2015, , .		4
649	Towards low-cost printed flow sensors. , 2015, , .		4
650	Novel PCB-based thermal flow sensors for air conditioning systems. , 2015, , .		1
651	How do office buildings take advantage of energy efficiency? A study of the relationship between operating expenses and energy certification. International Journal of Environmental Technology and Management, 2015, 18, 116.	0.1	4
652	Using multi-objective optimization for the integrated energy efficiency improvement of a smart city public buildings' portfolio. , 2015, , .		14
653	A hybrid model predictive control scheme for energy and cost savings in commercial buildings: Simulation and experiment. , 2015, , .		8
654	Multi-operating-point robust control of a one-stage refrigeration cycle. , 2015, , .		1
655	Artificial neural networks based thermal energy storage control for buildings. , 2015, , .		16
656	Numerical testbed of a multiple-chiller plant for centralized HVAC systems. , 2015, , .		0
657	Towards distributed enthalpy measurement in large-scale air conditioning systems. , 2015, , .		8

#	ARTICLE	IF	CITATIONS
658	Finite-time observation and trajectory tracking for a direct wave energy converter. , 2015, , .		1
659	Experimental testing of a random neural network smart controller using a single zone test chamber. IET Networks, 2015, 4, 350-358.	1.1	21
660	Collaborative Energy and Thermal Comfort Management Through Distributed Consensus Algorithms. IEEE Transactions on Automation Science and Engineering, 2015, 12, 1285-1296.	3.4	42
661	Distributed Adaptive Estimation Scheme for Isolation of Sensor Faults in Multi-zone HVAC Systems. IFAC-PapersOnLine, 2015, 48, 1146-1151.	0.5	6
662	Life cycle energy and carbon assessment of double skin faÇades for office refurbishments. Energy and Buildings, 2015, 109, 143-156.	3.1	50
663	Evaluation on Thermal Behavior of a Green Roof Retrofit System Installed on Experimental Building in Composite Climate of Roorkee, India. Journal of the Institution of Engineers (India): Series A, 2015, 96, 277-284.	0.6	5
664	Enhancement of the thermal performance of perforated clay brick walls through the addition of industrial nano-crystalline aluminium sludge. Construction and Building Materials, 2015, 101, 227-238.	3.2	22
665	Estimating the building based energy consumption as an anthropogenic contribution to urban heat islands. Sustainable Cities and Society, 2015, 19, 373-384.	5.1	69
666	Dynamic energy management needs in low-energy buildings imposed by stochastic solar resources. , 2015, , .		6
667	Context sensitive indoor temperature forecast for energy efficient operation of smart buildings. , 2015, , .		10
668	Energy consumption trends of residential buildings in Uganda: Case study and evaluation of energy savings potential. , 2015, , .		6
669	Integrating Life Cycle Assessment with Green Building and Product Rating Systems: North American Perspective. Procedia Engineering, 2015, 118, 662-669.	1.2	16
670	What is the effect of optimum independent parameters on solar heating systems?. Energy Conversion and Management, 2015, 105, 103-117.	4.4	7
671	Evaluation of Electric Power Consumption of Non-Residential Buildings in the City of Belo Horizonte - Correlation with Design Decisions in A Study Case of A Hybrid Building. Energy Procedia, 2015, 78, 747-752.	1.8	1
672	A review on Zero Energy Buildings and intelligent systems. , 2015, , .		14
673	Modeling of an air-conditioning system in smart buildings. , 2015, , .		1
674	Dynamic filtering of stochastic solar resources using HVAC drive control &#x2014; A determination of feasible bandwidth. , 2015, , .		7
675	Event-Based Optimization Within the Lagrangian Relaxation Framework for Energy Savings in HVAC Systems. IEEE Transactions on Automation Science and Engineering, 2015, 12, 1396-1406.	3.4	47

#	ARTICLE	IF	CITATIONS
676	On the use of tensegrity structures for kinetic solar facades of smart buildings. <i>Smart Materials and Structures</i> , 2015, 24, 105032.	1.8	36
677	Thermal and Daylight Evaluation of Building Zones. <i>Energy Procedia</i> , 2015, 78, 2784-2789.	1.8	12
678	Estimation and Analysis of Building Energy Demand and Supply Costs. <i>Energy Procedia</i> , 2015, 83, 216-225.	1.8	24
679	Enhanced Jumping-Droplet Departure. <i>Langmuir</i> , 2015, 31, 13452-13466.	1.6	126
680	Power prediction through energy consumption pattern recognition for smart buildings. , 2015, , .		1
681	The Passive House in Mediterranean Area: Parametric Analysis and Dynamic Simulation of the Thermal Behaviour of an Innovative Prototype. <i>Energy Procedia</i> , 2015, 82, 533-539.	1.8	22
682	Photovoltaics Energy Prediction Under Complex Conditions for a Predictive Energy Management System. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2015, 137, .	1.1	18
683	A Resistance-â€œCapacitance Model for Real-Time Calculation of Cooling Load in HVAC-R Systems. <i>Journal of Thermal Science and Engineering Applications</i> , 2015, 7, .	0.8	18
684	Outdoor Thermal and Visual Perception of Natural Cool Materials for Roof and Urban Paving. <i>Procedia Engineering</i> , 2015, 118, 1325-1332.	1.2	22
685	Energy efficiency index as an indicator for measuring building energy performance: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 44, 1-11.	8.2	170
686	Integrated analysis of CFD data with K-means clustering algorithm and extreme learning machine for localized HVAC control. <i>Applied Thermal Engineering</i> , 2015, 76, 98-104.	3.0	33
687	VO <sub>2</sub> /hydrogel hybrid nanothermochromic material with ultra-high solar modulation and luminous transmission. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1121-1126.	5.2	179
688	Condensation heat transfer coefficient versus wettability. <i>Applied Surface Science</i> , 2015, 338, 15-21.	3.1	15
689	An agent-based model for energy service companies. <i>Energy Conversion and Management</i> , 2015, 94, 233-244.	4.4	20
690	Achieving energy and cost savings through simple daylighting control in tropical historic buildings. <i>Energy and Buildings</i> , 2015, 90, 85-93.	3.1	23
691	Energy performance of open air swimming pools in Greece. <i>Energy and Buildings</i> , 2015, 90, 166-172.	3.1	14
692	An investigation into factors influencing domestic energy consumption in an energy subsidized developing economy. <i>Habitat International</i> , 2015, 47, 41-51.	2.3	29
693	A comparison between environmental sustainability rating systems LEED and ITACA for residential buildings. <i>Building and Environment</i> , 2015, 86, 98-108.	3.0	100

#	ARTICLE	IF	CITATIONS
694	Electric Springs for Reducing Power Imbalance in Three-Phase Power Systems. IEEE Transactions on Power Electronics, 2015, 30, 3601-3609.	5.4	113
695	Thermal analysis by DSC of Phase Change Materials, study of the damage effect. Journal of Building Engineering, 2015, 1, 13-19.	1.6	52
696	Air source heat pump water heaters in residential buildings in Australia: Identification of key performance parameters. Energy and Buildings, 2015, 91, 148-162.	3.1	39
697	A structural equation model of energy consumption in the United States: Untangling the complexity of per-capita residential energy use. Energy Research and Social Science, 2015, 6, 109-120.	3.0	43
698	Preparation and properties of gypsum based energy storage materials with capric acid/palmitic acid/expanded perlite composite PCM. Energy and Buildings, 2015, 92, 155-160.	3.1	75
699	Departure of Condensation Droplets on Superhydrophobic Surfaces. Langmuir, 2015, 31, 2414-2420.	1.6	100
700	Real-time monitoring framework to investigate the environmental and structural performance of buildings. Building and Environment, 2015, 86, 1-16.	3.0	31
701	Temperature Control of a Commercial Building With Model Predictive Control Techniques. IEEE Transactions on Industrial Electronics, 2015, 62, 2651-2660.	5.2	111
702	Reducing cooling demands in a hot dry climate: A simulation study for non-insulated passive cool roof thermal performance in residential buildings. Energy and Buildings, 2015, 89, 142-152.	3.1	129
703	Influence of the underneath cavity on buoyant-forced cooling of the integrated photovoltaic panels in building roof: a thermography study. Progress in Photovoltaics: Research and Applications, 2015, 23, 19-29.	4.4	28
704	Use of Earth Observation based indices for the monitoring of built-up area features and dynamics in support of urban energy studies. Energy and Buildings, 2015, 98, 92-99.	3.1	11
705	The contribution of structural design to green building rating systems: An industry perspective and comparison of life cycle energy considerations. Sustainable Cities and Society, 2015, 16, 39-48.	5.1	31
706	Fabrication and thermoelectric properties of Sr <sub>1-x</sub> Si <sub>x</sub> MnO <sub>3</sub> . Powder Technology, 2015, 278, 11-16.	2.1	9
707	Analytical study on condensation heat distribution modes in a hybrid vapor compression refrigeration system. Energy and Buildings, 2015, 88, 288-302.	3.1	17
708	Occupancy measurement in commercial office buildings for demand-driven control applications: A survey and detection system evaluation. Energy and Buildings, 2015, 93, 303-314.	3.1	295
710	A study and a directory of energy consumption data sets of buildings. Energy and Buildings, 2015, 94, 91-99.	3.1	44
711	A new model predictive control scheme for energy and cost savings in commercial buildings: An airport terminal building case study. Building and Environment, 2015, 89, 203-216.	3.0	126
712	Data mining of space heating system performance in affordable housing. Building and Environment, 2015, 89, 1-13.	3.0	65



#	ARTICLE	IF	CITATIONS
713	Improving the efficiency of an air conditioning system using a fire water tank as thermal accumulator. Building Services Engineering Research and Technology, 2015, 36, 386-405.	0.9	5
714	Optimal power dispatch of a grid tied-battery-photovoltaic system supplying heat pump water heaters. Energy Conversion and Management, 2015, 102, 81-91.	4.4	63
715	Proton exchange membrane fuel cell for cooperating households: A convenient combined heat and power solution for residential applications. Energy, 2015, 90, 1229-1238.	4.5	46
716	Real-time thermal load calculation by automatic estimation of convection coefficients. International Journal of Refrigeration, 2015, 57, 229-238.	1.8	2
717	Engaging beneficiaries of sustainable renovation – exploration of design-led participatory approaches. Journal of Cleaner Production, 2015, 106, 690-699.	4.6	17
718	Unsteady-RANS simulation of conjugate heat transfer in a cavity with a vertical semitransparent wall. Computers and Fluids, 2015, 117, 183-195.	1.3	7
719	Automatic extraction of reduced-order models from CFD simulations for building energy modelling. Energy and Buildings, 2015, 99, 313-326.	3.1	6
720	Field tests of an adaptive, model-predictive heating controller for residential buildings. Energy and Buildings, 2015, 99, 292-302.	3.1	52
721	Estimation models of heating energy consumption in schools for local authorities planning. Energy and Buildings, 2015, 105, 302-313.	3.1	42
722	Joint energy demand and thermal comfort optimization in photovoltaic-equipped interconnected microgrids. Energy Conversion and Management, 2015, 101, 352-363.	4.4	60
723	Performance study of the indirect evaporative air cooler and heat recovery exchanger in air conditioning system during the summer and winter operation. Energy, 2015, 89, 205-225.	4.5	15
724	The effects of interior emissivity and room layout on forced air space-conditioning power usage. International Journal of Heat and Mass Transfer, 2015, 89, 216-228.	2.5	9
725	Design of a low-temperature solar heating system based on a slurry Phase Change Material (PCS). Energy and Buildings, 2015, 106, 44-58.	3.1	41
726	Use of Immersive Virtual Environments to Understand Human-Building Interactions and Improve Building Design. Communications in Computer and Information Science, 2015, , 180-184.	0.4	3
727	Experimental study of internally cooled liquid desiccant dehumidification: Application in Hong Kong and intensive analysis of influencing factors. Building and Environment, 2015, 93, 210-220.	3.0	43
728	Field testing hot water temperature reduction as an energy-saving measure – does the Legionella presence change in a clinic's plumbing system?. Environmental Technology (United Kingdom), 2015, 36, 1073-1083.	1.0	10
729	Life cycle assessment and economic analysis of residential air conditioning in Saudi Arabia. Energy and Buildings, 2015, 102, 370-379.	3.1	46
730	Social problems of green buildings: From the humanistic needs to social acceptance. Renewable and Sustainable Energy Reviews, 2015, 51, 1594-1609.	8.2	155

#	ARTICLE	IF	CITATIONS
731	The effect of the opening ratio and location on the performance of a novel vertical axis Darrieus turbine. <i>Energy</i> , 2015, 89, 819-834.	4.5	45
732	Development of a simulation analysis environment for ventilated slab systems. <i>Applied Thermal Engineering</i> , 2015, 87, 66-78.	3.0	14
733	Identifying key variables and interactions in statistical models of building energy consumption using regularization. <i>Energy</i> , 2015, 83, 144-155.	4.5	71
734	Large scale test of a novel back-pass non-perforated unglazed solar air collector. <i>Renewable Energy</i> , 2015, 83, 871-880.	4.3	13
735	New Energy Efficient Housing Has Reduced Carbon Footprints in Outer but Not in Inner Urban Areas. <i>Environmental Science &amp; Technology</i> , 2015, 49, 9574-9583.	4.6	56
736	Energy performance analysis of variable thermal resistance envelopes in residential buildings. <i>Energy and Buildings</i> , 2015, 103, 317-325.	3.1	105
737	Design the refurbishment of historic buildings with the cost-optimal methodology: The case study of a XV century Italian building. <i>Energy and Buildings</i> , 2015, 99, 162-176.	3.1	72
738	Indoor air quality and occupant comfort in homes with deep versus conventional energy efficiency renovations. <i>Building and Environment</i> , 2015, 93, 331-338.	3.0	50
739	Evaluation of a prototype active solar thermoelectric radiant wall system in winter conditions. <i>Applied Thermal Engineering</i> , 2015, 89, 36-43.	3.0	47
740	Toward mitigating urban heat island effects: Investigating the thermal-energy impact of bio-inspired retro-reflective building envelopes in dense urban settings. <i>Energy and Buildings</i> , 2015, 102, 380-389.	3.1	85
742	Energy consumption and efficiency in buildings: current status and future trends. <i>Journal of Cleaner Production</i> , 2015, 109, 118-130.	4.6	467
743	A knowledge-based expert system for assessing the performance level of green buildings. <i>Knowledge-Based Systems</i> , 2015, 86, 194-209.	4.0	73
744	Resource potential and energy efficiency in the buildings of Cameroon: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 50, 835-846.	8.2	18
745	Making optimal investment decisions for energy service companies under uncertainty: A case study. <i>Energy</i> , 2015, 88, 234-243.	4.5	29
746	Gray-box model for energy-efficient selection of set point hysteresis in heating, ventilation, air conditioning, and refrigeration controllers. <i>Energy Conversion and Management</i> , 2015, 103, 459-467.	4.4	9
747	A review of human thermal comfort in the built environment. <i>Energy and Buildings</i> , 2015, 105, 178-205.	3.1	578
748	Model-based and model-free "plug-and-play" building energy efficient control. <i>Applied Energy</i> , 2015, 154, 829-841.	5.1	60
749	Willingness to pay for green power in an unreliable electricity sector: Part 2. The case of the Lebanese commercial sector. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 50, 1643-1649.	8.2	11

#	ARTICLE	IF	CITATIONS
750	A new approach, based on the inverse problem and variation method, for solving building energy and environment problems: Preliminary study and illustrative examples. <i>Building and Environment</i> , 2015, 91, 204-218.	3.0	50
751	Operational planning for multi-building portfolio in an uncertain energy market. <i>Energy and Buildings</i> , 2015, 103, 271-283.	3.1	15
752	Energy Efficient Agent Function Block: A semantic agent approach to IEC 61499 function blocks in energy efficient building automation systems. <i>Automation in Construction</i> , 2015, 54, 127-142.	4.8	16
753	Properties evaluation and applications of thermal energy storage materials in buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 48, 500-522.	8.2	50
754	Effective fuzzy black-box modeling for building heating dynamics. <i>Energy and Buildings</i> , 2015, 96, 175-186.	3.1	26
755	Development of ultra-lightweight cement composites with low thermal conductivity and high specific strength for energy efficient buildings. <i>Construction and Building Materials</i> , 2015, 87, 100-112.	3.2	153
756	Droplet dynamics and heat transfer for dropwise condensation at lower and ultra-lower pressure. <i>Applied Thermal Engineering</i> , 2015, 88, 265-273.	3.0	54
757	A hygrothermal modelling approach to water vapour sorption isotherm design for mesoporous humidity buffers. <i>Microporous and Mesoporous Materials</i> , 2015, 211, 113-123.	2.2	6
758	An experimental investigation of the flow and comfort parameters for under-floor, confluent jets and mixing ventilation systems in an open-plan office. <i>Building and Environment</i> , 2015, 92, 48-60.	3.0	52
759	Review: reconstruction of 3D building information models from 2D scanned plans. <i>Journal of Building Engineering</i> , 2015, 2, 24-35.	1.6	80
760	Syngas production from coal in presence of steam using filtration combustion. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 6340-6345.	3.8	29
761	Designing an occupancy flow-based controller for airport terminals. <i>Building Services Engineering Research and Technology</i> , 2015, 36, 51-66.	0.9	7
762	Geomapping methodology for the GeoCluster Mapping Tool to assess deployment potential of technologies for energy efficiency in buildings. <i>Sustainable Cities and Society</i> , 2015, 17, 22-34.	5.1	18
763	Determination of air-to-air heat wheel sensible effectiveness using temperature step change data. <i>International Journal of Heat and Mass Transfer</i> , 2015, 87, 312-326.	2.5	29
764	Development of hybrid numerical and statistical short term horizon weather prediction models for building energy management optimisation. <i>Building and Environment</i> , 2015, 90, 82-95.	3.0	23
765	Immersive virtual environments, understanding the impact of design features and occupant choice upon lighting for building performance. <i>Building and Environment</i> , 2015, 89, 217-228.	3.0	109
766	Influence of natural and artificial light on structured steel buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 48, 392-398.	8.2	7
767	Energy aspects and ventilation of food retail buildings. <i>Advances in Building Energy Research</i> , 2015, 9, 1-19.	1.1	11

#	ARTICLE	IF	CITATIONS
768	Structural and thermoelectric properties of n-type Sr <sub>1-x</sub> Ti <sub>x</sub> MnO <sub>3</sub> perovskite system. <i>Electronic Materials Letters</i> , 2015, 11, 276-281.	1.0	9
769	Unweaving the human response in daylighting design. <i>Building and Environment</i> , 2015, 91, 101-117.	3.0	63
770	Intelligent energy and thermal comfort management in grid-connected microgrids with heterogeneous occupancy schedule. <i>Applied Energy</i> , 2015, 149, 194-203.	5.1	132
771	Performance evaluation of a hybrid solar heating system for farrowing houses. <i>Energy and Buildings</i> , 2015, 97, 162-174.	3.1	18
772	A neural network-based multi-zone modelling approach for predictive control system design in commercial buildings. <i>Energy and Buildings</i> , 2015, 97, 86-97.	3.1	100
773	A Heder green facade Energy performance and saving under different maritime-temperate, winter weather conditions. <i>Building and Environment</i> , 2015, 92, 111-121.	3.0	71
774	Creating Shared Value in a Construction Project – A Case Study. <i>Procedia Economics and Finance</i> , 2015, 21, 446-453.	0.6	15
775	Social Networking Reduces Peak Power Consumption in Smart Grid. <i>IEEE Transactions on Smart Grid</i> , 2015, 6, 1403-1413.	6.2	19
776	Predictive modeling and optimization of a multi-zone HVAC system with data mining and firefly algorithms. <i>Energy</i> , 2015, 86, 393-402.	4.5	78
777	Ground coupled heat exchangers: A review and applications. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 47, 83-92.	8.2	140
778	Energy efficient model based algorithm for control of building HVAC systems. <i>Ecotoxicology and Environmental Safety</i> , 2015, 121, 236-243.	2.9	10
779	A comprehensive review of heat recovery systems for building applications. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 47, 665-682.	8.2	131
780	Thermal evaluation of laminated composite phase change material gypsum board under dynamic conditions. <i>Renewable Energy</i> , 2015, 78, 448-456.	4.3	32
781	Black-box modeling of residential HVAC system and comparison of gray-box and black-box modeling methods. <i>Energy and Buildings</i> , 2015, 94, 121-149.	3.1	111
782	Droplet coalescence on water repellant surfaces. <i>Soft Matter</i> , 2015, 11, 154-160.	1.2	57
783	Performance investigation of solid desiccant evaporative cooling system configurations in different climatic zones. <i>Energy Conversion and Management</i> , 2015, 97, 323-339.	4.4	27
784	Energy cost models for air supported sports hall in cold climates considering energy efficiency. <i>Renewable Energy</i> , 2015, 84, 56-64.	4.3	9
785	Temporal knowledge discovery in big BAS data for building energy management. <i>Energy and Buildings</i> , 2015, 109, 75-89.	3.1	118

#	ARTICLE	IF	CITATIONS
786	Experimental study on the physical–mechanical durability of innovative hemp-based composites for the building industry. <i>Energy and Buildings</i> , 2015, 104, 316-322.	3.1	26
787	Controllability analysis and robust control of a one-stage refrigeration system. <i>European Journal of Control</i> , 2015, 26, 53-62.	1.6	9
788	A comparison between temperature modeling strategies in smart buildings. , 2015, , .		2
789	A presence-based control strategy solution for HVAC systems. , 2015, , .		5
790	Do eco-districts support the regional growth of cleantech firms? Notes from Stockholm. <i>Cities</i> , 2015, 49, 113-120.	2.7	6
791	A Study of Shading Device Configuration on the Natural Ventilation Efficiency and Energy Performance of a Double Skin Façade. <i>Procedia Engineering</i> , 2015, 118, 310-317.	1.2	20
792	Natural Materials for Thermal Insulation and Passive Cooling Application. <i>Key Engineering Materials</i> , 2015, 666, 1-16.	0.4	23
793	Optimizing urban irrigation schemes for the trade-off between energy and water consumption. <i>Energy and Buildings</i> , 2015, 107, 335-344.	3.1	49
794	Comparison of integrated clustering methods for accurate and stable prediction of building energy consumption data. <i>Applied Energy</i> , 2015, 160, 153-163.	5.1	140
795	ENERGY EFFICIENCY IN AFFORDABLE HOUSING: CAN IT WORK FOR INDEPENDENT RENTAL OWNERS. , 2015, , 373-402.		0
796	Evaluating cooling zonal set point temperature operation strategies for peak load reduction potential: Case based analysis of an office building. , 2015, , .		2
797	Acid-hybridized expanded perlite as a composite phase-change material in wallboards. <i>RSC Advances</i> , 2015, 5, 66134-66140.	1.7	40
798	SiCILIA. , 2015, , .		0
799	Multi-objective control strategy for energy management of grid-connected heterogeneous microgrids. , 2015, , .		2
800	Optimal storage battery scheduling for energy-efficient buildings in a microgrid. , 2015, , .		2
801	SiCILIA. , 2015, , .		0
802	Demo Abstract. , 2015, , .		4
803	Full scale measurements and CFD simulations of diffuse ceiling inlet for ventilation and cooling of densely occupied rooms. <i>Energy and Buildings</i> , 2015, 107, 59-67.	3.1	21

#	ARTICLE	IF	CITATIONS
804	Predictive control of multizone heating, ventilation and air-conditioning systems in non-residential buildings. Applied Soft Computing Journal, 2015, 37, 847-862.	4.1	54
805	Demand controlled ventilation indoor climate and energy performance in a high performance building with air flow rate controlled chilled beams. Energy and Buildings, 2015, 109, 115-126.	3.1	47
806	The indirect role of households in shaping US residential energy demand patterns. Energy Policy, 2015, 86, 585-594.	4.2	28
807	Embodied and operational energy in buildings on 20 Norwegian dairy farms – Introducing the building construction approach to agriculture. Energy and Buildings, 2015, 108, 330-345.	3.1	9
808	Development and application of a simple BEMS to measure energy consumption of buildings. Energy and Buildings, 2015, 109, 1-11.	3.1	18
809	Saving potential for embodied energy and CO <sub>2</sub> emissions from building elements: A case study. Journal of Building Physics, 2015, 39, 261-284.	1.2	12
810	Multivariable analysis and H <sub>2</sub> control of a one-stage refrigeration cycle. Applied Thermal Engineering, 2015, 91, 1156-1167.	3.0	24
811	Smart monitoring for sustainable and energy-efficient buildings: A case study. , 2015, , .		21
812	Influence on Vertical Shading Device Orientation and Thickness on the Natural Ventilation and Acoustical Performance of a Double Skin Facade. Procedia Engineering, 2015, 118, 304-309.	1.2	11
813	Long term experimental evaluation of the influence of heat cost allocators on energy consumption in a multifamily building. Energy and Buildings, 2015, 104, 122-130.	3.1	33
814	Thermal-energy analysis of natural –cool–stone aggregates as passive cooling and global warming mitigation technique. Urban Climate, 2015, 14, 301-314.	2.4	50
815	Design, automation and control of a two-stage, two-load-demand experimental refrigeration plant. , 2015, , .		7
816	A novel paraffin/expanded perlite composite phase change material for prevention of PCM leakage in cementitious composites. Applied Energy, 2015, 157, 85-94.	5.1	249
817	Facade refurbishment of existing office buildings: Do conventional energy-saving interventions always work?. Journal of Building Engineering, 2015, 3, 135-143.	1.6	17
818	Maintaining thermal comfort in buildings: feasibility, algorithms, implementation, evaluation. Real-Time Systems, 2015, 51, 485-525.	1.1	11
819	Hybrid energy fuel cell based system for household applications in a Mediterranean climate. Energy Conversion and Management, 2015, 105, 1037-1045.	4.4	37
820	Contextual occupancy detection for smart office by pattern recognition of electricity consumption data. , 2015, , .		36
821	Exploiting IoT-based sensed data in smart buildings to model its energy consumption. , 2015, , .		7

#	ARTICLE	IF	CITATIONS
822	Experimental investigation on a complex roof incorporating phase-change material. Energy and Buildings, 2015, 108, 36-43.	3.1	17
823	Modeling of active beam units with Modelica. Building Simulation, 2015, 8, 543-550.	3.0	12
824	A Model Predictive Control strategy for energy saving and user comfort features in building automation. , 2015, , .		9
825	Modeling and Simulation-based Analysis for Large Scale Campus Chilled Water Networks. , 2015, , .		2
826	Thermal Comfort Analysis of PMV Model Prediction in Air Conditioned and Naturally Ventilated Buildings. Energy Procedia, 2015, 75, 1373-1379.	1.8	84
827	HVAC control methods - a review. , 2015, , .		29
829	AHP based life cycle sustainability assessment (LCSA) framework: a case study of six storey wood frame and concrete frame buildings in Vancouver. Journal of Environmental Planning and Management, 2015, 58, 1217-1241.	2.4	86
830	Big-data for building energy performance: Lessons from assembling a very large national database of building energy use. Applied Energy, 2015, 140, 85-93.	5.1	160
831	Development and validation of a three dimensional thermal transient numerical model with sun patch: Application to a low energy cell. Energy and Buildings, 2015, 87, 425-435.	3.1	12
832	The effect of relative humidity on dropwise condensation dynamics. International Journal of Heat and Mass Transfer, 2015, 80, 759-766.	2.5	55
833	Ceiba pentandra , Nigella sativa and their blend as prospective feedstocks for biodiesel. Industrial Crops and Products, 2015, 65, 367-373.	2.5	56
834	Comparative analysis of the AHU InFO fault detection and diagnostic expert tool for AHUs with APAR. Energy Efficiency, 2015, 8, 299-322.	1.3	35
835	Dimensionality reduction techniques to analyze heating systems in buildings. Information Sciences, 2015, 294, 553-564.	4.0	8
836	Combining thermal energy storage with buildings " a review. Renewable and Sustainable Energy Reviews, 2015, 42, 1305-1325.	8.2	274
837	Energetic experimental evaluation of the active systems of the RDB building 70 of the SSP-ARFRISOL. Energy and Buildings, 2015, 87, 272-281.	3.1	3
838	Energy consumption in households while unoccupied: Evidence from dormitories. Energy and Buildings, 2015, 87, 335-341.	3.1	25
839	Performance analysis of an earth-to-air heat exchanger assisted by a wind tower for passive cooling of buildings in arid and hot climate. Energy Conversion and Management, 2015, 91, 1-11.	4.4	90
840	Photoluminescence properties of a novel green-emitting phosphor $Zr 1\hat{x} O 2 : x Tb 3+$ . International Journal of Hydrogen Energy, 2015, 40, 825-832.	3.8	8

#	ARTICLE	IF	CITATIONS
841	Understanding the energy consumption and occupancy of a multi-purpose academic building. <i>Energy and Buildings</i> , 2015, 87, 155-165.	3.1	240
842	Enhanced photochromic efficiency of transparent and flexible nanocomposite films based on PEOâ€“PPOâ€“PEO and tungstate hybridization. <i>Journal of Materials Chemistry C</i> , 2015, 3, 177-186.	2.7	21
843	The Impact of Individual Attitudinal and Organisational Variables on Workplace Environmentally Friendly Behaviours. <i>Journal of Business Ethics</i> , 2015, 126, 663-684.	3.7	96
844	Generation of typical meteorological year for different climates of Turkey. <i>Renewable Energy</i> , 2015, 75, 144-151.	4.3	49
845	Building age as an indicator for energy consumption. <i>Energy and Buildings</i> , 2015, 87, 74-86.	3.1	191
846	The role of window glazing on daylighting and energy saving in buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 42, 323-343.	8.2	344
847	China's building energy efficiency and urbanization. <i>Energy and Buildings</i> , 2015, 86, 356-365.	3.1	95
848	An inverse method for calculation of thermal inertia and heat gain in air conditioning and refrigeration systems. <i>Applied Energy</i> , 2015, 138, 496-504.	5.1	15
849	Vacuum tube window technology for highly insulating building fabric: An experimental and numerical investigation. <i>Vacuum</i> , 2015, 111, 83-91.	1.6	47
850	Natural light controls and guides in buildings. Energy saving for electrical lighting, reduction of cooling load. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 1-13.	8.2	128
851	Energy saving due to natural ventilation in housing blocks in Madrid. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 138, 012002.	0.3	7
852	Assessment of energy performance certificate systems: a case study for residential buildings in Turkey. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2016, 24, 4839-4848.	0.9	10
853	Sustainable Buildings: opportunities, challenges, aims and vision. <i>Sustainable Buildings</i> , 2016, 1, E1.	0.7	1
854	Assessment of the Performance of a Ventilated Window Coupled with a Heat Recovery Unit through the Co-Heating Test. <i>Buildings</i> , 2016, 6, 3.	1.4	11
855	Modeling and Analysis of Cooling Coil for Control System Design Using Gray Box Approach. <i>Modern Applied Science</i> , 2016, 10, 23.	0.4	0
856	Envelope Thermal Design Optimization for Urban Residential Buildings in Malawi. <i>Buildings</i> , 2016, 6, 13.	1.4	18
857	An Incremental Radial Basis Function Network Based on Information Granules and Its Application. <i>Computational Intelligence and Neuroscience</i> , 2016, 2016, 1-6.	1.1	6
858	CHALLENGES OF PASSIVE COOLING TECHNIQUES IN BUILDINGS: A CRITICAL REVIEW FOR IDENTIFYING THE RESILIENT TECHNIQUE. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.3	3



#	ARTICLE	IF	CITATIONS
859	Potential for Application of Retroreflective Materials instead of Highly Reflective Materials for Urban Heat Island Mitigation. <i>Urban Studies Research</i> , 2016, 2016, 1-10.	0.6	18
860	Automatic and Noninvasive Indoor Air Quality Control in HVAC Systems. <i>Journal of Industrial Mathematics</i> , 2016, 2016, 1-11.	0.4	0
861	Passive air conditioning methods for different climates, special focus on Iran. <i>Journal of Fundamental and Applied Sciences</i> , 2016, 8, 242.	0.2	1
862	An Investigation into Energy Performance with the Integrated Usage of a Courtyard and Atrium. <i>Buildings</i> , 2016, 6, 21.	1.4	26
863	Thin Films for Advanced Glazing Applications. <i>Buildings</i> , 2016, 6, 37.	1.4	34
864	Constitutive Explanations as a Methodological Framework for Integrating Thermodynamics and Economics. <i>Entropy</i> , 2016, 18, 18.	1.1	4
865	Empirical Validation of a Thermal Model of a Complex Roof Including Phase Change Materials. <i>Energies</i> , 2016, 9, 9.	1.6	11
866	Parametric Analysis of a Rotary Type Liquid Desiccant Air Conditioning System. <i>Energies</i> , 2016, 9, 305.	1.6	10
867	Energy Research in Airports: A Review. <i>Energies</i> , 2016, 9, 349.	1.6	74
868	Optimal Planning of Sustainable Buildings: Integration of Life Cycle Assessment and Optimization in a Decision Support System (DSS). <i>Energies</i> , 2016, 9, 490.	1.6	34
869	Application of Absorption Systems Powered by Solar Ponds in Warm Climates for the Air Conditioning in Residential Buildings. <i>Energies</i> , 2016, 9, 821.	1.6	9
870	Optimal Decision Model for Sustainable Hospital Building Renovation—A Case Study of a Vacant School Building Converting into a Community Public Hospital. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 630.	1.2	13
871	Building Energy Storage Panel Based on Paraffin/Expanded Perlite: Preparation and Thermal Performance Study. <i>Materials</i> , 2016, 9, 70.	1.3	48
872	A Novel Modelling Approach for Condensing Boilers Based on Hybrid Dynamical Systems. <i>Machines</i> , 2016, 4, 10.	1.2	24
873	The Present and Future Energy Performance of the First Passivhaus Project in the Gulf Region. <i>Sustainability</i> , 2016, 8, 139.	1.6	8
874	Highly Reflective Roofing Sheets Installed on a School Building to Mitigate the Urban Heat Island Effect in Osaka. <i>Sustainability</i> , 2016, 8, 514.	1.6	6
875	Cool Marble Building Envelopes: The Effect of Aging on Energy Performance and Aesthetics. <i>Sustainability</i> , 2016, 8, 753.	1.6	20
876	Feasibility Study on Parametric Optimization of Daylighting in Building Shading Design. <i>Sustainability</i> , 2016, 8, 1220.	1.6	20

#	ARTICLE	IF	CITATIONS
877	Stratum ventilation " a low-carbon way to thermal comfort and indoor air quality. International Journal of Low-Carbon Technologies, 2016, , .	1.2	3
878	Experimental and numerical study of a PCM window model as a thermal energy storage unit. International Journal of Low-Carbon Technologies, 2016, , .	1.2	16
879	A Comparison of Energy Consumption Prediction Models Based on Neural Networks of a Bioclimatic Building. Energies, 2016, 9, 57.	1.6	83
880	Disaggregated Forecasting for Large Office Buildings. , 2016, , .		2
881	Evaluation of energy conservation opportunities through Energy Performance Contracting: A case study in Italy. Energy and Buildings, 2016, 128, 886-899.	3.1	35
882	Applications of machine learning methods to identifying and predicting building retrofit opportunities. Energy and Buildings, 2016, 128, 431-441.	3.1	64
883	Heat transfer performance of paraffin wax based phase change materials applicable in building industry. Applied Thermal Engineering, 2016, 107, 1313-1323.	3.0	54
884	Sense"Think"Act Framework for Intelligent Building Energy Management. Computer-Aided Civil and Infrastructure Engineering, 2016, 31, 50-64.	6.3	18
885	Free cooling potential of an airside economizer in Estonia. Science and Technology for the Built Environment, 2016, 22, 951-959.	0.8	3
886	Building energy analysis of Electrical Engineering Building from DesignBuilder tool: calibration and simulations. IOP Conference Series: Materials Science and Engineering, 2016, 138, 012013.	0.3	5
887	Impact of Urban Density and Building Height on Energy Use in Cities. Energy Procedia, 2016, 96, 800-814.	1.8	96
888	Improved condition monitoring of the faulty blower wheel driven by brushless DC motor in air handler unit (AHU). , 2016, , .		4
889	Effects of Heat Loss/Gain on the Transient Testing of Heat Wheels. Journal of Thermal Science and Engineering Applications, 2016, 8, .	0.8	6
890	The SPOT* Personal Thermal Comfort System. , 2016, , .		21
891	Intelligent approach for optimal energy management of chiller plant using fuzzy and PSO techniques. , 2016, , .		2
892	Recapitulation of electric spring: A smart grid device for real time demand side management and mitigating power quality issues. , 2016, , .		1
893	Demonstrating model-based reinforcement learning for energy efficiency and demand response using hot water vessels in net-zero energy buildings. , 2016, , .		3
894	Flexible Flow Sensors for Air Conditioning Systems Based on Printed Thermopiles. Procedia Engineering, 2016, 168, 830-833.	1.2	2

#	ARTICLE	IF	CITATIONS
895	Energy retrofit of a non-residential and historic building in Rome. , 2016, , .		2
896	Numerical analysis and model-based control of energy recovery ventilator in HVAC system. , 2016, , .		1
897	Gemello. , 2016, , .		22
898	Reserve capacity assessment of LED lighting loads. , 2016, , .		1
899	Optimal Control for Simple Linear Hybrid Systems. , 2016, , .		2
900	New Paths Toward Energy-Efficient Buildings: A Multiaspect Discussion of Advanced Model-Based Control. IEEE Industrial Electronics Magazine, 2016, 10, 50-66.	2.3	17
901	Building energy load forecasting using Deep Neural Networks. , 2016, , .		341
902	Thermal performance of evacuated tube heat pipe solar collector. AIP Conference Proceedings, 2016, , .	0.3	2
903	Using PCB technology for calorimetric water flow sensing in HVAC systems - a feasibility study. , 2016, , .		2
904	Thermal modeling of buildings with RC method and parameter estimation. , 2016, , .		9
905	Semantics for smart control of building automation. , 2016, , .		14
906	Demand side management system for future buildings. , 2016, , .		6
907	Solar heat gain modelling in smart building. , 2016, , .		1
908	A budget-constrained ECM decision algorithm for existing building retrofit. , 2016, , .		0
909	How to Save a Leaky Ship: Capability Traps and the Failure of Win-Win Investments in Sustainability and Social Responsibility. Academy of Management Discoveries, 2016, 2, 7-32.	1.7	35
910	Meeting of energy skills: An educational framework for energy professionals in NZEB. , 2016, , .		1
911	Estonian Grant Scheme for Renovating Apartment Buildings. Energy Procedia, 2016, 96, 628-637.	1.8	24
912	Comparative study between two architectures of neural networks used for identification and control of a building heating system. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
913	Influence of Occupant Behaviour Lifestyle on an Italian Social Housing. Energy Procedia, 2016, 101, 1034-1041.	1.8	5
914	Minimax Analysis of Economic and Energy Efficiencies of Heat-Supply Pipelines. Journal of Engineering Physics and Thermophysics, 2016, 89, 1401-1409.	0.2	1
915	Efficient HVAC controls: A symbolic approach. , 2016, , .		3
916	Steady-state parameter estimation of an experimental vapour compression refrigeration plant. , 2016, , .		0
917	Urban heat and residential electricity consumption: A preliminary study. Applied Geography, 2016, 70, 59-67.	1.7	29
918	Differences in Residential Energy Use between US City and Suburban Households. Regional Studies, 2016, 50, 1919-1930.	2.5	8
919	A bi-directional systematic design approach to energy optimization for energy-efficient buildings. Energy and Buildings, 2016, 120, 135-144.	3.1	17
920	The "impurity" of indoor air. Indoor Air, 2016, 26, 3-5.	2.0	3
921	Energy consumption predicting model of VRV (Variable refrigerant volume) system in office buildings based on data mining. Energy, 2016, 102, 660-668.	4.5	94
922	Surface modification of light hollow polymer microspheres and its application in external wall thermal insulation coatings. Pigment and Resin Technology, 2016, 45, 45-51.	0.5	14
923	Modified lime-cement plasters with enhanced thermal and hygric storage capacity for moderation of interior climate. Energy and Buildings, 2016, 126, 113-127.	3.1	54
924	Fuzzy logic controller for energy savings in a smart LED lighting system considering lighting comfort and daylight. Energy and Buildings, 2016, 127, 95-104.	3.1	94
925	Energy, Materials and Person-hour Savings through a New Decentralized Power Supply for HVAC in Large Buildings. A Case Study: A Shopping Center in Spain. Procedia Computer Science, 2016, 83, 886-893.	1.2	4
926	Energy-Efficient House in the GCC Region. Procedia, Social and Behavioral Sciences, 2016, 216, 736-743.	0.5	28
927	A simple model for automatic analysis and diagnosis of environmental thermal comfort in energy efficient buildings. Applied Energy, 2016, 177, 60-70.	5.1	13
928	Mechanical characterization and thermal conductivity measurements using of a new 'small hot-box' apparatus: innovative insulating reinforced coatings analysis. Journal of Building Engineering, 2016, 7, 63-70.	1.6	19
929	Temperature Forecasts with Stable Accuracy in a Smart Home. Procedia Computer Science, 2016, 83, 726-733.	1.2	16
930	Understanding Campus Energy Consumption – People, Buildings and Technology. , 2016, , .		17

#	ARTICLE	IF	CITATIONS
931	Development of a small wind power system with an integrated exhaust air duct in high-rise residential buildings. <i>Energy and Buildings</i> , 2016, 122, 202-210.	3.1	23
932	How peersâ€™ personal attitudes affect indoor microclimate and energy need in an institutional building: Results from a continuous monitoring campaign in summer and winter conditions. <i>Energy and Buildings</i> , 2016, 126, 485-497.	3.1	41
933	Forecasting Internal Temperature in a Home with a Sensor Network. <i>Procedia Computer Science</i> , 2016, 83, 1244-1249.	1.2	5
934	Occupantsâ€™ Perceptions about Indoor Environment Comfort and Energy Related Values in Commercial and Residential Buildings. <i>Procedia Environmental Sciences</i> , 2016, 34, 631-640.	1.3	8
935	Experimental investigations of polymer hollow fibre heat exchangers for building heat recovery application. <i>Energy and Buildings</i> , 2016, 125, 99-108.	3.1	29
936	An empirically grounded model for simulating normative energy use feedback interventions. <i>Applied Energy</i> , 2016, 173, 272-282.	5.1	31
937	Traditional havelis and sustainable thermal comfort. <i>International Journal of Environmental Studies</i> , 2016, 73, 573-583.	0.7	5
938	Leveraging Physical Locality to Integrate Smart Appliances in Non-Residential Buildings with Ultrasound and Bluetooth Low Energy. , 2016, , .		10
939	Inverse Problem for Phase Change Materials and Preparation in Building Envelope. , 2016, , 1-23.		0
940	BEES: Real-time occupant feedback and environmental learning framework for collaborative thermal management in multi-zone, multi-occupant buildings. <i>Energy and Buildings</i> , 2016, 125, 142-152.	3.1	63
941	Genetic algorithm for building envelope calibration. <i>Applied Energy</i> , 2016, 168, 691-705.	5.1	88
942	Demand side flexibility: Potentials and building performance implications. <i>Sustainable Cities and Society</i> , 2016, 22, 146-163.	5.1	114
943	Stochastic Analysis and Forecasts of the Patterns of Speed, Acceleration, and Levels of Material Stock Accumulation in Society. <i>Environmental Science &amp; Technology</i> , 2016, 50, 3729-3737.	4.6	71
944	Integrated HVAC management and optimal scheduling of smart appliances for community peak load reduction. <i>Energy and Buildings</i> , 2016, 123, 34-40.	3.1	86
945	Study on the reduction of condensation risks on the radiant cooling ceiling with superhydrophobic treatment. <i>Building and Environment</i> , 2016, 100, 135-144.	3.0	36
946	Energy performance of ETFE cushion roof integrated photovoltaic/thermal system on hot and cold days. <i>Applied Energy</i> , 2016, 173, 40-51.	5.1	60
947	Phase change materials (PCM) for cooling applications in buildings: A review. <i>Energy and Buildings</i> , 2016, 129, 396-431.	3.1	559
948	Housing orientationâ€™s effect on energy use in suburban developments. <i>Energy and Buildings</i> , 2016, 122, 98-106.	3.1	14

#	ARTICLE	IF	CITATIONS
949	A review on the air-PCM-TES application for free cooling and heating in the buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 61, 175-186.	8.2	169
950	A comprehensive assessment of sectoral energy consumption in the UK: past, present and future. <i>International Journal of Low-Carbon Technologies</i> , 2016, 11, 424-430.	1.2	4
951	Computational intelligence techniques for HVAC systems: A review. <i>Building Simulation</i> , 2016, 9, 359-398.	3.0	167
952	Understanding Green Building Design and Healthcare Outcomes: Evidence-Based Design Analysis of an Oncology Unit. <i>Journal of Architectural Engineering</i> , 2016, 22, .	0.8	10
953	Energy concepts for self-supplying communities based on local and renewable energy sources: A case study from northern Germany. <i>Sustainable Cities and Society</i> , 2016, 26, 1-8.	5.1	46
954	Proposal for optimum combination of reflectivity and insulation thickness of building exterior walls for annual thermal load in Japan. <i>Building and Environment</i> , 2016, 103, 228-237.	3.0	54
955	Naturally comfortable and sustainable: Informed design guidance and performance labeling for passive commercial buildings in hot climates. <i>Applied Energy</i> , 2016, 174, 256-274.	5.1	59
956	Real-time monitoring of personal exposures to carbon dioxide. <i>Building and Environment</i> , 2016, 104, 59-67.	3.0	31
957	Life Cycle Analysis of Building Materials. , 2016, , 187-204.		2
958	Impact of sun patch and three-dimensional heat transfer descriptions on the accuracy of a building's thermal behavior prediction. <i>Building Simulation</i> , 2016, 9, 269-279.	3.0	7
959	Energy improvement of office buildings in Southern Europe. <i>Energy and Buildings</i> , 2016, 123, 17-33.	3.1	15
960	Energy consumption and indoor climate in a residential building before and after comprehensive energy retrofitting. <i>Energy and Buildings</i> , 2016, 123, 8-16.	3.1	77
961	Influence of household air-conditioning use modes on the energy performance of residential district cooling systems. <i>Building Simulation</i> , 2016, 9, 429-441.	3.0	54
962	Smart innovation systems for indoor environmental quality (IEQ). <i>Journal of Building Engineering</i> , 2016, 8, 1-13.	1.6	31
963	A multidimensional data model design for building energy management. <i>Advanced Engineering Informatics</i> , 2016, 30, 619-632.	4.0	13
964	Performance evaluation of operational energy use in refurbishment, reuse, and conservation of heritage buildings for optimum sustainability. <i>Frontiers of Architectural Research</i> , 2016, 5, 371-382.	1.3	20
965	A sensor fault detection strategy for air handling units using cluster analysis. <i>Automation in Construction</i> , 2016, 70, 77-88.	4.8	64
966	A simplified model to study the location impact of latent thermal energy storage in building cooling heating and power system. <i>Energy</i> , 2016, 114, 885-894.	4.5	16

#	ARTICLE	IF	CITATIONS
967	A city scale degree-day method to assess building space heating energy demands in Strasbourg Eurometropolis (France). Applied Energy, 2016, 184, 40-54.	5.1	51
968	An experimental investigation into stratum ventilation for the cooling of an office with asymmetrically distributed heat gains. Building and Environment, 2016, 110, 76-88.	3.0	55
969	Influence of asynchronous demand behavior on overcooling in multiple zone AC systems. Building and Environment, 2016, 110, 65-75.	3.0	13
970	Electrical energy consumption and utilization time analysis of hospital departments and large scale medical equipment. Energy and Buildings, 2016, 131, 172-183.	3.1	30
971	A novel surrogate model to support building energy labelling system: A new approach to assess cooling energy demand in commercial buildings. Energy and Buildings, 2016, 131, 233-247.	3.1	43
972	Survey and performance analysis of centralized domestic hot water system in China. Energy and Buildings, 2016, 133, 321-334.	3.1	27
973	Modeling Occupant-Building-Appliance Interaction for Energy Waste Analysis. Procedia Engineering, 2016, 145, 42-49.	1.2	17
974	Fault diagnosis and augmented reality-based troubleshooting of HVAC systems. , 2016, , .		7
975	Urban Form and Building Energy Performance in Shanghai Neighborhoods. Energy Procedia, 2016, 88, 126-132.	1.8	31
976	A probabilistic approach to diagnose faults of air handling units in buildings. Energy and Buildings, 2016, 130, 177-187.	3.1	43
977	Benchmarking the building energy consumption and solar energy trade-offs of residential neighborhoods on Chongming Eco-Island, China. Applied Energy, 2016, 180, 792-799.	5.1	39
978	On identifying steady-state parameters of an experimental mechanical-compression refrigeration plant. Applied Thermal Engineering, 2016, 109, 318-333.	3.0	14
979	Optimization-based constrained iterative learning control with application to building temperature control systems. , 2016, , .		11
980	Comparative study of the cooling energy performance of variable refrigerant flow systems and variable air volume systems in office buildings. Applied Energy, 2016, 183, 725-736.	5.1	87
981	Event-driven optimization of complex HVAC systems. Energy and Buildings, 2016, 133, 79-87.	3.1	40
982	Thermogravimetric study of a Phase Change Slurry: Effect of variable conditions. Applied Thermal Engineering, 2016, 107, 329-338.	3.0	2
983	Thermal performance and optimized thickness of active shape-stabilized PCM boards for side-wall cooling and under-floor heating system. Indoor and Built Environment, 2016, 25, 1279-1295.	1.5	36
984	Towards Low-Carbon Urban Forms: A Comparative Study on Energy Efficiencies of Residential Neighborhoods in Chongming Eco-Island. Energy Procedia, 2016, 88, 321-324.	1.8	6

#	ARTICLE	IF	CITATIONS
985	Sensitivity analysis methods for building energy models: Comparing computational costs and extractable information. <i>Energy and Buildings</i> , 2016, 133, 433-445.	3.1	126
986	Experimental study of a bilinear control for a GSHP integrated air-conditioning system. <i>Energy and Buildings</i> , 2016, 133, 104-110.	3.1	6
987	Active Learning in Multi-objective Evolutionary Algorithms for Sustainable Building Design. , 2016, , .		1
988	Effects of building energy optimisation on the predictive accuracy of external temperature in forecasting models. <i>Journal of Building Engineering</i> , 2016, 7, 281-291.	1.6	9
989	Exergy and entransy analyses in air-conditioning system part 1 "Similarity and distinction. <i>Energy and Buildings</i> , 2016, 128, 876-885.	3.1	18
990	Energy savings due to the use of PCM for relocatable lightweight buildings passive heating and cooling in different weather conditions. <i>Energy and Buildings</i> , 2016, 129, 274-283.	3.1	158
992	Energy efficiency labeling program for buildings in Brazil compared to the United States' and Portugal's. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 66, 207-219.	8.2	24
993	High Methanol Uptake Capacity in Two New Series of Metal-Organic Frameworks: Promising Materials for Adsorption-Driven Heat Pump Applications. <i>Chemistry of Materials</i> , 2016, 28, 6243-6249.	3.2	44
994	Ten questions about natural ventilation of non-domestic buildings. <i>Building and Environment</i> , 2016, 107, 263-273.	3.0	87
995	Modern meta-heuristics based on nonlinear physics processes: A review of models and design procedures. <i>Physics Reports</i> , 2016, 655, 1-70.	10.3	124
996	Field test and preliminary analysis of a combined diurnal solar heating and nocturnal radiative cooling system. <i>Applied Energy</i> , 2016, 179, 899-908.	5.1	110
997	Investigation and Modelling of the Centralized Solar Domestic Hot Water System in Residential Buildings. <i>Procedia Engineering</i> , 2016, 146, 424-430.	1.2	2
998	Investigation of Renewable Energy Sources for Airports. , 2016, , 11-16.		9
999	Modelling residential electricity demand in the GCC countries. <i>Energy Economics</i> , 2016, 59, 149-158.	5.6	79
1000	Interval number optimization for household load scheduling with uncertainty. <i>Energy and Buildings</i> , 2016, 130, 613-624.	3.1	49
1001	Radiative human body cooling by nanoporous polyethylene textile. <i>Science</i> , 2016, 353, 1019-1023.	6.0	764
1002	Experimental investigation of the performance of the novel HP-BIPV/T system for use in residential buildings. <i>Energy and Buildings</i> , 2016, 130, 295-308.	3.1	27
1003	Exploring the dynamic process of human thermal adaptation: A study in teaching building. <i>Energy and Buildings</i> , 2016, 127, 425-432.	3.1	23



#	ARTICLE	IF	CITATIONS
1004	Performance investigation and exergy analysis of enthalpy recovery device using liquid desiccant. Applied Thermal Engineering, 2016, 106, 76-86.	3.0	13
1005	Numerical study and optimization of the cross-flow Maisotsenko cycle indirect evaporative air cooler. International Journal of Heat and Mass Transfer, 2016, 103, 1029-1041.	2.5	43
1006	Consideration of energy consumption, energy costs, and space occupancy in Finnish daycare centres and school buildings. Energy and Buildings, 2016, 129, 199-206.	3.1	13
1007	Effectiveness of an ultraviolet germicidal irradiation system in enhancing cooling coil energy performance in a hot and humid climate. Energy and Buildings, 2016, 130, 321-329.	3.1	11
1008	Optimization of annual energy demand in office buildings under the influence of climate change in Chile. Energy, 2016, 114, 569-585.	4.5	51
1009	Smart city planning by estimating energy efficiency of buildings by extreme learning machine. , 2016, , .		12
1010	Performance improvement of a vertical axis wind turbine by comprehensive assessment of an airfoil family. Energy, 2016, 114, 318-331.	4.5	50
1011	Occupancy behavior based model predictive control for building indoor climateâ€”A critical review. Energy and Buildings, 2016, 129, 499-513.	3.1	157
1012	A review of the advance of HVAC technologies as witnessed in ENB publications in the period from 1987 to 2014. Energy and Buildings, 2016, 130, 33-45.	3.1	37
1013	Contribution of City Prosperity to Decisions on Healthy Building Design: A case study of Tehran. Frontiers of Architectural Research, 2016, 5, 319-331.	1.3	14
1014	Assessing the Implementation Potential of PCMs: The Situation for Residential Buildings in the Netherlands. Energy Procedia, 2016, 96, 17-32.	1.8	14
1015	Electrostatic MEMS vibration energy harvester for HVAC applications with impact-based frequency up-conversion. Journal of Micromechanics and Microengineering, 2016, 26, 124012.	1.5	13
1016	Low-order building model identification in presence of unmeasured disturbance for predictive control strategies. , 2016, , .		2
1017	Modeling the energy retrofit decision in commercial office buildings. Energy and Buildings, 2016, 131, 1-20.	3.1	82
1018	Building HVAC systems control using power shaping approach. , 2016, , .		2
1019	Infrared thermography of human face for monitoring thermoregulation performance and estimating personal thermal comfort. Building and Environment, 2016, 109, 1-11.	3.0	175
1020	Analysis of the change of the specific heat loss coefficient of buildings resulted by the variation of the geometry and the moisture load. Energy, 2016, 115, 820-829.	4.5	13
1021	Progress of entransy analysis on the air-conditioning system in buildings. Science China Technological Sciences, 2016, 59, 1463-1474.	2.0	8

#	ARTICLE	IF	CITATIONS
1022	Implementation of demand response strategies in a multi-purpose commercial building using a whole-building simulation model approach. <i>Energy and Buildings</i> , 2016, 131, 76-86.	3.1	39
1023	Power Electronics Implementation of Dynamic Thermal Inertia to Offset Stochastic Solar Resources in Low-Energy Buildings. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2016, 4, 1430-1441.	3.7	15
1024	Reflective thermal insulation systems in building: A review on radiant barrier and reflective insulation. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 65, 643-661.	8.2	74
1025	Heat Transfer through a Condensate Droplet on Hydrophobic and Nanostructured Superhydrophobic Surfaces. <i>Langmuir</i> , 2016, 32, 7774-7787.	1.6	127
1026	Predicting the CO2 levels in buildings using deterministic and identified models. <i>Energy and Buildings</i> , 2016, 127, 774-785.	3.1	48
1027	Comparison of prediction models for determining energy demand in the residential sector of a country. <i>Energy and Buildings</i> , 2016, 128, 38-55.	3.1	28
1028	Hybrid cooling systems: A review and an optimized selection scheme. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 65, 57-80.	8.2	52
1029	An Investigation into GHG and non-GHG Impacts of Double Skin Façades in Office Refurbishments. <i>Journal of Industrial Ecology</i> , 2016, 20, 234-248.	2.8	21
1030	Evaluating energy performance in non-domestic buildings: A review. <i>Energy and Buildings</i> , 2016, 128, 734-755.	3.1	116
1031	Periodic micro-patterned VO <sub>2</sub> thermochromic films by mesh printing. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8385-8391.	2.7	68
1032	Forthcoming perspectives of photoelectrochromic devices: a critical review. <i>Energy and Environmental Science</i> , 2016, 9, 2682-2719.	15.6	122
1033	Evaluation of the potential energy recovery for ventilation air in dwellings in the South of Europe. <i>Energy and Buildings</i> , 2016, 128, 384-393.	3.1	20
1034	A branch and bound approach for building cooling supply control with hybrid model predictive control. <i>Energy and Buildings</i> , 2016, 128, 553-566.	3.1	21
1035	Comparative life cycle assessment of ceramic brick, concrete brick and cast-in-place reinforced concrete exterior walls. <i>Journal of Cleaner Production</i> , 2016, 137, 70-82.	4.6	92
1036	Factors Influencing the Energy Consumption of Residential Buildings: A Review. , 2016, , .		7
1037	Case studies of fault diagnosis and energy saving in buildings using data mining techniques. , 2016, , .		0
1038	Iterative design of feedback and feedforward controller with input saturation constraint for building temperature control. , 2016, , .		13
1039	Development of plasmonic MEMS CMOS infrared sensors for occupancy detection. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
1040	A study on the energy performance of school buildings in Taiwan. Energy and Buildings, 2016, 133, 810-822.	3.1	60
1041	The relationship between house size and life cycle energy demand: Implications for energy efficiency regulations for buildings. Energy, 2016, 116, 1158-1171.	4.5	76
1042	GIS-NaP1 zeolite microspheres as potential water adsorption material: Influence of initial silica concentration on adsorptive and physical/topological properties. Scientific Reports, 2016, 6, 22734.	1.6	68
1043	Prediction of residential building energy consumption: A neural network approach. Energy, 2016, 117, 84-92.	4.5	215
1044	Optimizing Energy Consumption in Building Designs Using Building Information Model (BIM). Slovak Journal of Civil Engineering, 2016, 24, 19-28.	0.2	12
1045	Ontology-based abstraction layer for smart grid interaction in building energy management systems. , 2016, , .		22
1046	Transition to a Low Carbon Economy; Impacts to Health and the Environment. Molecular and Integrative Toxicology, 2016, , 169-201.	0.5	3
1047	Smart Connected Buildings Design Automation: Foundations and Trends. Foundations and Trends in Electronic Design Automation, 2016, 10, 1-143.	1.0	16
1048	Multivariable regression analysis to assess energy consumption and CO2 emissions in the early stages of offices design in Chile. Energy and Buildings, 2016, 133, 738-753.	3.1	21
1049	Automatic Synthesis of Best Practices for Energy Consumptions. , 2016, , .		4
1050	Optimization of domestic heating system by implementing model predictive control. , 2016, , .		0
1051	A simple approach of fault identification and localization for low-voltage DC microgrid. , 2016, , .		1
1052	Comfort air temperature influence on heating and cooling loads of a residential building. IOP Conference Series: Materials Science and Engineering, 2016, 147, 012145.	0.3	4
1053	Preparation of fine powdered composite for latent heat storage. AIP Conference Proceedings, 2016, , .	0.3	0
1054	Preparation and Properties of EPDM-Based Composite Coatings with Low Infrared Emissivity. Journal of Energy Engineering - ASCE, 2016, 142, .	1.0	7
1055	The energy efficiency of corporate real estate assets. Journal of Corporate Real Estate, 2016, 18, 68-101.	1.2	4
1056	Emerging climate changes and the risks to the operation of building assets in the UK. Journal of Facilities Management, 2016, 14, 21-35.	1.0	5
1057	Structural, geographic, and social factors in urban building energy use: Analysis of aggregated account-level consumption data in a megacity. Energy Policy, 2016, 96, 179-192.	4.2	52

#	ARTICLE	IF	CITATIONS
1058	A robust fault detection and diagnosis strategy for multiple faults of VAV air handling units. <i>Energy and Buildings</i> , 2016, 127, 442-451.	3.1	45
1059	Control-Oriented Thermal Modeling of Multizone Buildings: Methods and Issues: Intelligent Control of a Building System. <i>IEEE Control Systems</i> , 2016, 36, 86-111.	1.0	62
1060	Simple modelling procedure for the indoor thermal environment of highly insulated buildings heated by wood stoves. <i>Journal of Building Performance Simulation</i> , 2016, 9, 663-679.	1.0	9
1061	Ten questions concerning model predictive control for energy efficient buildings. <i>Building and Environment</i> , 2016, 105, 403-412.	3.0	263
1062	The impact of natural ventilation on building energy requirement at inter-building scale. <i>Energy and Buildings</i> , 2016, 127, 870-883.	3.1	29
1063	Contribution of structural lightweight aggregate concrete to the reduction of thermal bridging effect in buildings. <i>Construction and Building Materials</i> , 2016, 121, 460-470.	3.2	130
1064	Defeasible Reasoning about Electric Consumptions. , 2016, , .		15
1065	Assessment of building-integrated green technologies: A review and case study on applications of Multi-Criteria Decision Making (MCDM) method. <i>Sustainable Cities and Society</i> , 2016, 27, 106-115.	5.1	178
1066	Evaluating the life cycle energy benefits of energy efficiency regulations for buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 63, 435-451.	8.2	92
1067	A global overview of residential building energy consumption in eight climate zones. <i>International Journal of Sustainable Building Technology and Urban Development</i> , 2016, 7, 38-51.	1.0	9
1068	Demand response potential of model predictive control of space heating based on price and carbon dioxide intensity signals. <i>Energy and Buildings</i> , 2016, 125, 196-204.	3.1	79
1069	Defining a quantitative framework for evaluation and optimisation of the environmental impacts of mega-event projects. <i>Journal of Environmental Management</i> , 2016, 167, 236-245.	3.8	15
1070	A Non-stationary Analysis Using Ensemble Empirical Mode Decomposition to Detect Anomalies in Building Energy Consumption. <i>Procedia Engineering</i> , 2016, 145, 1059-1065.	1.2	5
1071	Life cycle performance of modular buildings: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 62, 1171-1183.	8.2	358
1072	Experimental analysis of data-driven control for a building heating system. <i>Sustainable Energy, Grids and Networks</i> , 2016, 6, 81-90.	2.3	87
1073	Energy savings versus costs of implementation for demand side management strategies within an energy-efficient tropical residence. <i>Energy Efficiency</i> , 2016, 9, 473-485.	1.3	10
1074	A novel methodology for energy performance benchmarking of buildings by means of Linear Mixed Effect Model: The case of space and DHW heating of out-patient Healthcare Centres. <i>Applied Energy</i> , 2016, 171, 592-607.	5.1	31
1075	Impact of natural versus mechanical ventilation on simulated indoor air quality and energy consumption in offices in fourteen U.S. cities. <i>Building and Environment</i> , 2016, 104, 320-336.	3.0	105

#	ARTICLE	IF	CITATIONS
1076	Energy performance analysis of variable reflectivity envelope systems for commercial buildings. <i>Energy and Buildings</i> , 2016, 124, 88-98.	3.1	45
1077	Workflow automation for combined modeling of buildings and district energy systems. <i>Energy</i> , 2016, 117, 478-484.	4.5	41
1078	Potential of shading devices and glazing configurations on cooling energy savings for high-rise office buildings in hot-humid climates: The case of Malaysia. <i>International Journal of Sustainable Built Environment</i> , 2016, 5, 387-399.	3.2	86
1079	Development of a Multi-Room Building Thermodynamic Model Using Simscape Library. <i>Energy Procedia</i> , 2016, 85, 320-328.	1.8	15
1080	Preparation and characterization of high NIR reflective pigments based in ultramarine blue. <i>Energy and Buildings</i> , 2016, 126, 170-176.	3.1	9
1081	Decentralized thermal modeling of multi-zone buildings for control applications and investigation of submodeling error propagation. <i>Energy and Buildings</i> , 2016, 126, 384-395.	3.1	12
1082	Energy efficiency: behavioural effects of occupants and the role of refurbishment for European office buildings. <i>Pacific Rim Property Research Journal</i> , 2016, 22, 77-100.	0.4	3
1083	Satisfaction based Q-learning for integrated lighting and blind control. <i>Energy and Buildings</i> , 2016, 127, 43-55.	3.1	98
1084	Advanced occupancy sensing for energy efficiency in office buildings. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2016, 230, 410-423.	0.7	1
1085	Numerical sensitivity analysis of thermal response tests (TRT) in energy piles. <i>Renewable Energy</i> , 2016, 86, 985-992.	4.3	34
1086	The analysis of energy consumption and greenhouse gas emissions of a large-scale commercial building in Shanghai, China. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401662839.	0.8	4
1087	Scaling-up energy conservation initiatives: Barriers and local strategies. <i>Sustainable Cities and Society</i> , 2016, 26, 227-239.	5.1	30
1088	Experimental study of plate type air cooler performances under four operating modes. <i>Building and Environment</i> , 2016, 104, 296-310.	3.0	26
1089	CFD modeling to evaluate the thermal performances of window frames in accordance with the ISO 10077. <i>Energy</i> , 2016, 111, 430-438.	4.5	30
1090	Customer baseline load models for residential sector in a smart-grid environment. <i>Energy Reports</i> , 2016, 2, 74-81.	2.5	46
1091	A method to estimate the potential of rooftop photovoltaic power generation for a region. <i>Urban Climate</i> , 2016, 17, 1-19.	2.4	25
1092	Active sensing data collection with autonomous mobile robots. , 2016, , .		12
1093	Occupant productivity and office indoor environment quality: A review of the literature. <i>Building and Environment</i> , 2016, 105, 369-389.	3.0	497

#	ARTICLE	IF	CITATIONS
1094	The statistical relevance and effect of assuming pessimistic default overall thermal transmittance coefficients on dwelling energy performance certification quality in Ireland. <i>Energy and Buildings</i> , 2016, 127, 268-278.	3.1	18
1095	Thermoeconomic analysis of a building heating system. <i>Energy</i> , 2016, 111, 351-363.	4.5	16
1096	Environmental metabolism of educational services. Case study of nursery schools in the city of Barcelona. <i>Energy Efficiency</i> , 2016, 9, 981-992.	1.3	3
1097	Incorporation of Glass Particles in High-Performance Mortars. <i>Waste and Biomass Valorization</i> , 2016, 7, 879-883.	1.8	2
1098	The performance and analysis of office building energy consumption in the west of Inner Mongolia Autonomous Region, China. <i>Energy and Buildings</i> , 2016, 127, 499-511.	3.1	14
1099	Combining solar resource mapping and energy system integration methods for realistic valuation of urban solar energy potential. <i>Solar Energy</i> , 2016, 135, 325-336.	2.9	56
1100	The effect of time-of-use tariffs on the demand response flexibility of an all-electric smart-grid-ready dwelling. <i>Energy and Buildings</i> , 2016, 128, 56-67.	3.1	96
1101	Effect of energy-efficient measures in building construction on indoor radon in Russia. <i>Radiation Protection Dosimetry</i> , 2016, 174, 419-422.	0.4	2
1102	Adaptive lighting controllers using smart sensors. <i>International Journal of Sustainable Energy</i> , 2016, 35, 537-553.	1.3	9
1103	Sustainability; as a combination of parametric patterns and bionic strategies. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 57, 1337-1346.	8.2	27
1104	Structural behavior of the PV-ETFE cushion roof. <i>Thin-Walled Structures</i> , 2016, 101, 169-180.	2.7	20
1105	The role of data sample size and dimensionality in neural network based forecasting of building heating related variables. <i>Energy and Buildings</i> , 2016, 111, 299-310.	3.1	47
1106	Energy-efficiency impacts of an air-quality feedback device in residential buildings: An agent-based modeling assessment. <i>Energy and Buildings</i> , 2016, 116, 151-163.	3.1	27
1107	A statistical modeling approach to detect anomalies in energetic efficiency of buildings. <i>Energy and Buildings</i> , 2016, 110, 377-386.	3.1	28
1108	The development of an energy-efficient remodeling framework in South Korea. <i>Habitat International</i> , 2016, 53, 430-441.	2.3	11
1109	Experimental thermal characterization of bio-based materials (Aleppo Pine wood, cork and their Tj ETQq1 1 0.784314 rgBT /Overlock	3.1	68
1110	The application of air layers in building envelopes: A review. <i>Applied Energy</i> , 2016, 165, 707-734.	5.1	131
1111	The monitored performance of four social houses certified to the Code for Sustainable Homes Level 5. <i>Energy and Buildings</i> , 2016, 110, 245-256.	3.1	25

#	ARTICLE	IF	CITATIONS
1112	A state of the art review of evaporative cooling systems for building applications. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 54, 1240-1249.	8.2	179
1113	Liquid desiccant materials and dehumidifiers – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 56, 179-195.	8.2	207
1114	Short-term residential electric load forecasting: A compressive spatio-temporal approach. <i>Energy and Buildings</i> , 2016, 111, 380-392.	3.1	95
1115	Indoor air quality and energy management through real-time sensing in commercial buildings. <i>Energy and Buildings</i> , 2016, 111, 145-153.	3.1	116
1116	Development of an air flow sensor for heating, ventilating, and air conditioning systems based on printed circuit board technology. <i>Sensors and Actuators A: Physical</i> , 2016, 237, 1-8.	2.0	26
1117	Rule-based system to detect energy efficiency anomalies in smart buildings, a data mining approach. <i>Expert Systems With Applications</i> , 2016, 56, 242-255.	4.4	86
1118	Building Energy Management Systems: The Age of Intelligent and Adaptive Buildings. <i>IEEE Industrial Electronics Magazine</i> , 2016, 10, 25-39.	2.3	167
1119	Bridging the gap between the linear and nonlinear predictive control: Adaptations for efficient building climate control. <i>Control Engineering Practice</i> , 2016, 53, 124-138.	3.2	18
1120	Thermal Conductivity Measurements By Means of a New –Small Hot-Box–™ Apparatus: Manufacturing, Calibration and Preliminary Experimental Tests on Different Materials. <i>International Journal of Thermophysics</i> , 2016, 37, 1.	1.0	32
1121	Applying the HVAC systems in an integrated optimization method for residential building's design. A case study in Spain. <i>Energy and Buildings</i> , 2016, 119, 74-84.	3.1	19
1122	Forecasting diurnal cooling energy load for institutional buildings using Artificial Neural Networks. <i>Energy and Buildings</i> , 2016, 121, 284-297.	3.1	212
1123	The IMBPC HVAC system: A complete MBPC solution for existing HVAC systems. <i>Energy and Buildings</i> , 2016, 120, 145-158.	3.1	39
1124	Experimental study on the impact of mass moisture content on the evaporative cooling effect of porous face brick. <i>Energy Efficiency</i> , 2016, 9, 511-523.	1.3	14
1125	Exploring the effectiveness of social messages on promoting energy conservation behavior in buildings. <i>Building and Environment</i> , 2016, 102, 83-94.	3.0	31
1126	Towards sustainable, energy-efficient and healthy ventilation strategies in buildings: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 59, 1426-1447.	8.2	291
1127	Experimental in-lab and in-field analysis of waterproof membranes for cool roof application and urban heat island mitigation. <i>Energy and Buildings</i> , 2016, 114, 180-190.	3.1	67
1128	Hybrid ground coupled heat exchanger systems for space heating/cooling applications: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 60, 724-738.	8.2	74
1129	Smart grid data analytics framework for increasing energy savings in residential buildings. <i>Automation in Construction</i> , 2016, 72, 247-257.	4.8	69

#	ARTICLE	IF	CITATIONS
1130	Sustainable building envelope design by considering energy cost and occupant satisfaction. Energy for Sustainable Development, 2016, 31, 118-129.	2.0	48
1131	A review of underground building towards thermal energy efficiency and sustainable development. Renewable and Sustainable Energy Reviews, 2016, 60, 692-713.	8.2	64
1132	A systematic parametric study and feasibility assessment of solar-assisted single-effect, double-effect, and triple-effect absorption chillers for heating and cooling applications. Energy Conversion and Management, 2016, 114, 258-277.	4.4	128
1133	Development of annual daylight simulation algorithms for prediction of indoor daylight illuminance. Energy and Buildings, 2016, 118, 1-17.	3.1	25
1134	Nanogel Windows for Energy Building Efficiency. , 2016, , 41-69.		11
1135	Environmental Applications of Interfacial Materials with Special Wettability. Environmental Science & Technology, 2016, 50, 2132-2150.	4.6	273
1136	Energy benchmarking for shopping centers in Gulf Coast region. Energy Policy, 2016, 91, 247-255.	4.2	34
1137	Thermal performance investigation and optimization of buildings with integrated phase change materials and solar photovoltaic thermal collectors. Energy and Buildings, 2016, 116, 562-573.	3.1	69
1138	Towards successful environmental performance of sustainable cities: Intervening sectors. A review. Renewable and Sustainable Energy Reviews, 2016, 57, 479-495.	8.2	103
1139	Residential energy demand for space heating in the Nordic countries: Accounting for interfuel substitution. Renewable and Sustainable Energy Reviews, 2016, 57, 1210-1226.	8.2	23
1140	Condensation on slippery asymmetric bumps. Nature, 2016, 531, 78-82.	13.7	656
1141	A HPC based cloud model for real-time energy optimisation. Enterprise Information Systems, 2016, 10, 108-128.	3.3	12
1142	Enhanced electrochromic performance of flexible WFe <sub>2</sub> O <sub>7</sub> /ZnO films by O <sub>2</sub> gas addition using low temperature plasma polymerization. Vacuum, 2016, 128, 56-65.	1.6	4
1143	A taxonomy of data types and data collection methods for building energy monitoring and performance simulation. Advances in Building Energy Research, 2016, 10, 263-293.	1.1	16
1144	Urban Energy Index for Buildings (UEIB): A new method to evaluate the effect of urban form on buildings' energy demand. Landscape and Urban Planning, 2016, 148, 170-187.	3.4	55
1145	Measures to enforce mandatory civil building energy efficiency codes in China. Journal of Cleaner Production, 2016, 119, 152-166.	4.6	40
1146	Study on dew point evaporative cooling system with counter-flow configuration. Energy Conversion and Management, 2016, 109, 153-165.	4.4	88
1147	An occupant behavior modeling tool for co-simulation. Energy and Buildings, 2016, 117, 272-281.	3.1	134



#	ARTICLE	IF	CITATIONS
1148	Cooperative fuzzy model predictive control for heating and cooling of buildings. <i>Energy and Buildings</i> , 2016, 112, 130-140.	3.1	42
1149	Enhancing energy efficiency in supermarket refrigeration systems through a robust energy performance indicator. <i>International Journal of Refrigeration</i> , 2016, 64, 40-50.	1.8	24
1150	Energy performance simulation for planning a low carbon neighborhood urban district: A case study in the city of Macau. <i>Habitat International</i> , 2016, 53, 206-214.	2.3	51
1151	Model Predictive Climate Control of a Swiss Office Building: Implementation, Results, and Cost-Benefit Analysis. <i>IEEE Transactions on Control Systems Technology</i> , 2016, 24, 1-12.	3.2	258
1152	A review of research and development on water wall for building applications. <i>Energy and Buildings</i> , 2016, 112, 198-208.	3.1	18
1153	Numerical study on the importance of radiative heat transfer in building energy simulation. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016, 69, 694-709.	1.2	8
1154	Simulation-based optimization of an integrated daylighting and HVAC system using the design of experiments method. <i>Applied Energy</i> , 2016, 162, 666-674.	5.1	66
1155	Simultaneous control of indoor air temperature and humidity for a chilled water based air conditioning system using neural networks. <i>Energy and Buildings</i> , 2016, 110, 159-169.	3.1	23
1156	Same time, same place: analyzing temporal and spatial trends in urban metabolism using proximate counties in the North Carolina Triangle. <i>Urban Ecosystems</i> , 2016, 19, 1-18.	1.1	15
1157	Occupancy-based demand response and thermal comfort optimization in microgrids with renewable energy sources and energy storage. <i>Applied Energy</i> , 2016, 163, 93-104.	5.1	281
1158	An experimental study of a novel integrated desiccant air conditioning system for building applications. <i>Energy and Buildings</i> , 2016, 111, 434-445.	3.1	45
1159	Improving the energy efficiency of the existing building stock: A critical review of commercial and institutional buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 53, 1032-1045.	8.2	261
1160	The effect of building envelope on the thermal comfort and energy saving for high-rise buildings in hot-humid climate. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 53, 1508-1519.	8.2	227
1161	A review of heat recovery technology for passive ventilation applications. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 54, 1481-1493.	8.2	100
1162	Thermodynamic boundaries of energy saving in conventional CCHP (Combined Cooling, Heating and Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.5	41
1163	Thermodynamic study of the Ag-Sb-Te system with an advanced EMF method. <i>Journal of Chemical Thermodynamics</i> , 2016, 93, 261-266.	1.0	6
1164	Thermo physical characterisation of recycled textile materials used for building insulating. <i>Journal of Building Engineering</i> , 2016, 5, 34-40.	1.6	54
1165	Household Energy Consumption and Housing Choice in the U.S. Residential Sector. <i>Housing Policy Debate</i> , 2016, 26, 231-250.	1.6	9

#	ARTICLE	IF	CITATIONS
1166	Development and validation of a new variable refrigerant flow system model in EnergyPlus. Energy and Buildings, 2016, 117, 399-411.	3.1	62
1167	A model that connects information technology and hotel performance. Tourism Management, 2016, 53, 30-37.	5.8	105
1168	An overview of domestic energy consumption in the UK: past, present and future. International Journal of Ambient Energy, 2016, 37, 428-435.	1.4	6
1169	Life cycle energy and cost analysis of embodied, operational and user-transport energy reduction measures for residential buildings. Applied Energy, 2016, 161, 445-464.	5.1	105
1170	A method of probabilistic risk assessment for energy performance and cost using building energy simulation. Energy and Buildings, 2016, 110, 1-12.	3.1	32
1171	Cooling and energy saving potentials of shade trees and urban lawns in a desert city. Applied Energy, 2016, 161, 437-444.	5.1	159
1172	Prediction of cooling energy use in buildings using an enthalpy-based cooling degree days method in a hot and humid climate. Energy and Buildings, 2016, 110, 57-70.	3.1	60
1173	Condensation behaviors and resulting heat transfer performance of nano-engineered copper surfaces. International Journal of Heat and Mass Transfer, 2016, 93, 286-292.	2.5	45
1174	Optimal building envelope design based on simulated performance: History, current status and new potentials. Energy and Buildings, 2016, 117, 387-398.	3.1	85
1175	Assessment of energy and environmental performance of office building models: A case study. Energy and Buildings, 2016, 115, 11-22.	3.1	20
1176	Encapsulation of Tandem Organic Luminescence Solar Concentrator With Optically Transparent Triple Layers of SiO <sub>2</sub> /Epoxy/SiO <sub>2</sub> . IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 82-87.	1.9	8
1177	On an innovative integrated technique for energy refurbishment of historical buildings: Thermal-energy, economic and environmental analysis of a case study. Applied Energy, 2016, 162, 1313-1322.	5.1	101
1178	Multifamily energy-efficiency retrofit programs: a Florida case study. Energy Efficiency, 2016, 9, 385-400.	1.3	4
1179	The effect of wind speed on the economical optimum insulation thickness for HVAC duct applications. Renewable and Sustainable Energy Reviews, 2016, 55, 1289-1300.	8.2	18
1180	Big data: the key to energy efficiency in smart buildings. Soft Computing, 2016, 20, 1749-1762.	2.1	58
1181	Uncertainty and method limitations in a short-time measurement of the effective thermal transmittance on a building envelope using an infrared camera. International Journal of Sustainable Energy, 2017, 36, 28-46.	1.3	16
1182	USE Efficiency: an innovative educational programme for energy efficiency in buildings. International Journal of Sustainable Energy, 2017, 36, 855-871.	1.3	3
1183	Office building cooling load reduction using thermal analysis method "A case study. Applied Energy, 2017, 185, 1574-1584.	5.1	45

#	ARTICLE	IF	CITATIONS
1184	A Decision Making Technique to Optimize a Buildingsâ€™ Stock Energy Efficiency. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 794-807.	5.9	46
1185	Sustainable buildings for healthier cities: assessing the co-benefits of green buildings in Japan. Journal of Cleaner Production, 2017, 163, S68-S78.	4.6	139
1186	Human thermal sensation and comfort in a non-uniform environment with personalized heating. Science of the Total Environment, 2017, 578, 242-248.	3.9	69
1187	An experimental and theoretical investigation of the extent of bypass air within data centres employing aisle containment, and its impact on power consumption. Applied Energy, 2017, 186, 457-469.	5.1	65
1188	Using Foursquare place data for estimating building block use. Environment and Planning B: Urban Analytics and City Science, 2017, 44, 693-717.	1.0	13
1189	Simulation of indoor comfort level in a building cooled by a cooling towerâ€™concrete core cooling system under hotâ€™semiarid climatic conditions. Indoor and Built Environment, 2017, 26, 680-693.	1.5	13
1190	Thermal performance of buildings integrated with phase change materials to reduce heat stress risks during extreme heatwave events. Applied Energy, 2017, 194, 410-421.	5.1	181
1191	A global survey of adverse energetic effects of increased wall insulation in office buildings: degree day and climate zone indicators. Energy Efficiency, 2017, 10, 97-116.	1.3	10
1192	Discrete-Event Systems-Based Power Admission Control of Thermal Appliances in Smart Buildings. IEEE Transactions on Smart Grid, 2017, 8, 2665-2674.	6.2	18
1193	Experimental investigation and feasibility analysis on a capillary radiant heating system based on solar and air source heat pump dual heat source. Applied Energy, 2017, 185, 2094-2105.	5.1	54
1194	An ANN-GA Semantic Rule-Based System to Reduce the Gap Between Predicted and Actual Energy Consumption in Buildings. IEEE Transactions on Automation Science and Engineering, 2017, 14, 1351-1363.	3.4	45
1195	Daylighting-Based Assessment of Occupant Performance in Educational Buildings. Journal of Professional Issues in Engineering Education and Practice, 2017, 143, 04016014.	0.9	4
1196	Influence of Refrigerant Properties and Charge Amount on Performance of Reciprocating Compressor in Air Source Heat Pump. Journal of Energy Engineering - ASCE, 2017, 143, .	1.0	18
1197	Combining knowledge and historical data for system-level fault diagnosis of HVAC systems. Engineering Applications of Artificial Intelligence, 2017, 59, 260-273.	4.3	55
1198	Real-time monitoring energy efficiency and performance degradation of condensing boilers. Energy Conversion and Management, 2017, 136, 329-339.	4.4	58
1199	Fabrication and characterization of transparent wood for next generation smart building applications. Vacuum, 2017, 146, 649-654.	1.6	83
1200	Synthesis of Highly Crystalline NH <sub>2</sub> -MIL-125 (Ti) with S-Shaped Water Isotherms for Adsorption Heat Transformation. Crystal Growth and Design, 2017, 17, 1208-1213.	1.4	81
1201	Exergy and entransy analyses in air-conditioning system part 2â€™Humid air handling process. Energy and Buildings, 2017, 139, 10-21.	3.1	14

#	ARTICLE	IF	CITATIONS
1202	Multiplexed real-time optimization of HVAC systems with enhanced control stability. Applied Energy, 2017, 187, 640-651.	5.1	29
1203	Longitudinal analysis of normative energy use feedback on dormitory occupants. Applied Energy, 2017, 189, 623-639.	5.1	80
1204	Field validation study of a time and temperature indexed autoregressive with exogenous (ARX) model for building thermal load prediction. Energy, 2017, 119, 483-496.	4.5	43
1205	Theoretical and experimental study of departure duration of condensate droplets from radiant cooling ceiling surfaces. Building and Environment, 2017, 114, 445-454.	3.0	19
1206	Analysis of exergy demand for air heating of an air handling unit. Energy Efficiency, 2017, 10, 989-998.	1.3	9
1207	Towards non-intrusive thermal load Monitoring of buildings: BES calibration. Applied Energy, 2017, 191, 44-54.	5.1	28
1208	Vision for wind energy with a smart grid in Izmir. Renewable and Sustainable Energy Reviews, 2017, 73, 332-345.	8.2	26
1209	The influence of data quality on urban heating demand modeling using 3D city models. Computers, Environment and Urban Systems, 2017, 64, 68-80.	3.3	79
1210	Saving energy and water in tourist accommodation: A systematic literature review (1987-2015). International Journal of Tourism Research, 2017, 19, 289-303.	2.1	53
1211	Economic evaluation of building energy retrofits: A fuzzy based approach. Energy and Buildings, 2017, 139, 395-406.	3.1	77
1212	Preparation and properties of fatty acid eutectics/expanded perlite and expanded vermiculite shape-stabilized materials for thermal energy storage in buildings. Energy and Buildings, 2017, 139, 197-204.	3.1	85
1213	Experimental study on Venturi-type natural ventilator. Energy and Buildings, 2017, 139, 232-241.	3.1	7
1214	Role of airtightness in energy loss from windows: Experimental results from in-situ tests. Energy and Buildings, 2017, 139, 449-455.	3.1	45
1215	Adaptability research on phase change materials based technologies in China. Renewable and Sustainable Energy Reviews, 2017, 73, 145-158.	8.2	37
1216	Method for room occupancy detection based on trajectory of indoor climate sensor data. Building and Environment, 2017, 115, 147-156.	3.0	98
1217	Investigation of the moisture induced degradation of the thermal properties of aerogel blankets: Measurements, calculations, simulations. Energy and Buildings, 2017, 139, 506-516.	3.1	62
1218	Parameter identification of a multi-stage, multi-load-demand experimental refrigeration plant. Control Engineering Practice, 2017, 60, 133-147.	3.2	6
1219	Indoor lighting techniques: An overview of evolution and new trends for energy saving. Energy and Buildings, 2017, 140, 50-60.	3.1	115

#	ARTICLE	IF	CITATIONS
1220	Development of a Global Energy Management System for non-energy intensive multi-site industrial organisations: A methodology. <i>Energy</i> , 2017, 136, 16-31.	4.5	27
1221	Guidelines for developing efficient thermal conduction and storage models within building energy simulations. <i>Energy</i> , 2017, 125, 211-222.	4.5	9
1222	A multi-regional based hybrid method for assessing life cycle energy use of buildings: A case study. <i>Journal of Cleaner Production</i> , 2017, 148, 760-772.	4.6	36
1223	State of the art on the development of cool coatings for buildings and cities. <i>Solar Energy</i> , 2017, 144, 660-680.	2.9	170
1224	Bionic building energy efficiency and bionic green architecture: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 74, 771-787.	8.2	64
1225	From Initial Nucleation to Cassie-Baxter State of Condensed Droplets on Nanotextured Superhydrophobic Surfaces. <i>Scientific Reports</i> , 2017, 7, 42752.	1.6	19
1226	Natural ventilation in multi-storey buildings: Design process and review of evaluation tools. <i>Building and Environment</i> , 2017, 116, 182-194.	3.0	82
1227	Data driven prediction models of energy use of appliances in a low-energy house. <i>Energy and Buildings</i> , 2017, 140, 81-97.	3.1	345
1228	Characterization of a Commercial Synthetic Jet Actuator for Air Quality Applications. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2017, 139, .	0.8	4
1229	An integrated comfort control with cooling, ventilation, and humidification systems for thermal comfort and low energy consumption. <i>Science and Technology for the Built Environment</i> , 2017, 23, 264-276.	0.8	6
1230	Design and indoor testing of a compact optical concentrator. <i>Optical Engineering</i> , 2017, 56, 015102.	0.5	2
1231	Integrating Health Into Buildings of the Future. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2017, 139, .	1.1	20
1232	A comparative thermodynamic and economic analysis and assessment of a conventional HVAC and a VRF system in a social and cultural center building. <i>Energy and Buildings</i> , 2017, 140, 196-209.	3.1	21
1233	Obstacles in energy planning at the urban scale. <i>Sustainable Cities and Society</i> , 2017, 30, 223-236.	5.1	107
1234	Assessment of energy utilization and leakages in buildings with building information model energy. <i>Frontiers of Architectural Research</i> , 2017, 6, 29-41.	1.3	22
1235	Invariant probabilistic sensitivity analysis for building energy models. <i>Journal of Building Performance Simulation</i> , 2017, 10, 392-405.	1.0	6
1236	Current software barriers to advanced model-based control design for energy-efficient buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 73, 1031-1040.	8.2	31
1238	Developing a roadmap to overcome barriers to energy efficiency in buildings using best worst method. <i>Sustainable Cities and Society</i> , 2017, 31, 244-259.	5.1	131

#	ARTICLE	IF	CITATIONS
1239	Exploring the Role of Adsorption and Surface State on the Hydrophobicity of Rare Earth Oxides. ACS Applied Materials & Interfaces, 2017, 9, 13751-13760.	4.0	77
1240	Energy consumption in buildings: A correlation for the influence of window to wall ratio and window orientation in Tripoli, Libya. Journal of Building Engineering, 2017, 11, 82-86.	1.6	90
1241	Maturity Matrix Assessment: Evaluation of Energy Efficiency Strategies in Brussels Historic Residential Stock. Energy Procedia, 2017, 111, 407-416.	1.8	6
1242	Reducing thermal energy demand in residential buildings under Spanish climatic conditions: Qualitative control strategies for massive shutter positioning. Building Simulation, 2017, 10, 643-661.	3.0	10
1243	Assessing the urban heat island and its energy impact on residential buildings in Mediterranean climate: Barcelona case study. Energy and Buildings, 2017, 146, 38-54.	3.1	140
1244	Relationship between condensed droplet coalescence and surface wettability. International Journal of Heat and Mass Transfer, 2017, 111, 836-841.	2.5	45
1245	Trees vs Neurons: Comparison between random forest and ANN for high-resolution prediction of building energy consumption. Energy and Buildings, 2017, 147, 77-89.	3.1	630
1246	Low hanging fruit? Regulations and energy efficiency in subsidized multifamily housing. Energy Policy, 2017, 106, 505-513.	4.2	22
1247	IEA EBC Annex 59: High temperature cooling and low temperature heating in buildings. Energy and Buildings, 2017, 145, 267-275.	3.1	8
1248	Superhydrophobic Si nanowires for enhanced condensation heat transfer. International Journal of Heat and Mass Transfer, 2017, 111, 614-623.	2.5	63
1249	A Cloud-Based Energy Management System for Building Managers. , 2017, , .		7
1250	DFT study of CO2 and H2O co-adsorption on carbon models of coal surface. Journal of Molecular Modeling, 2017, 23, 187.	0.8	22
1251	A state of art review on methodologies for heat transfer and energy flow characteristics of the active building envelopes. Renewable and Sustainable Energy Reviews, 2017, 78, 1102-1116.	8.2	42
1252	3D particle size distribution of inter-ground Portland limestone/slag cement from 2D observations: Characterization and distribution evaluation. Construction and Building Materials, 2017, 147, 550-557.	3.2	11
1253	Energy saving potential and visual comfort of task light usage for offices in Malaysia. Energy and Buildings, 2017, 147, 166-175.	3.1	19
1254	Environmental characterisation of coffee chaff, a new recycled material for building applications. Construction and Building Materials, 2017, 147, 185-193.	3.2	41
1255	Minimizing total resource consumption and total tardiness penalty in a resource allocation supply chain scheduling and vehicle routing problem. Applied Soft Computing Journal, 2017, 58, 307-323.	4.1	26
1256	Model predictive control for demand response of domestic hot water preparation in ultra-low temperature district heating systems. Energy and Buildings, 2017, 146, 55-64.	3.1	62

#	ARTICLE	IF	CITATIONS
1257	Smart building uncertainty analysis via adaptive Lasso. IET Cyber-Physical Systems: Theory and Applications, 2017, 2, 42-48.	1.9	6
1258	Energy retrofits in historic and traditional buildings: A review of problems and methods. Renewable and Sustainable Energy Reviews, 2017, 77, 748-759.	8.2	209
1259	Development of a new multi-stage building energy model calibration methodology and validation in a public library. Energy and Buildings, 2017, 146, 182-199.	3.1	44
1260	Processing and characterization of polyethylene/starch/curauÃ; composites: Potential for application as thermal insulated coating. Journal of Building Engineering, 2017, 11, 178-186.	1.6	7
1261	An optimal day-ahead load scheduling approach based on the flexibility of aggregate demands. Applied Energy, 2017, 198, 1-11.	5.1	96
1262	Understanding the effects of environmental factors on building energy efficiency designs and credits. Journal of Engineering, Design and Technology, 2017, 15, 270-285.	1.1	4
1263	Prioritised objectives for model predictive control of building heating systems. Control Engineering Practice, 2017, 63, 57-68.	3.2	17
1264	A comparison of an energy/economic-based against an exergoeconomic-based multi-objective optimisation for low carbon building energy design. Energy, 2017, 128, 244-263.	4.5	27
1265	Buildings with ETFE foils: A review on material properties, architectural performance and structural behavior. Construction and Building Materials, 2017, 131, 411-422.	3.2	80
1266	Primary Frequency Response From the Control of LED Lighting Loads in Commercial Buildings. IEEE Transactions on Smart Grid, 2017, 8, 2880-2889.	6.2	32
1267	Numerical study of a MIL101 metal organic framework based desiccant cooling system for air conditioning applications. Applied Thermal Engineering, 2017, 124, 641-651.	3.0	29
1268	Using Data Driven Methodologies to Identify Patterns in BAS Data to Support Facility Operations. , 2017, , .		0
1269	Performance of building integrated photovoltaic thermal systems for the panels installed at optimum tilt angle. Renewable Energy, 2017, 113, 1056-1069.	4.3	32
1270	Cooling efficiency of a spot-type personalized air-conditioner. Building and Environment, 2017, 121, 35-48.	3.0	27
1271	Performance analysis of hydrate-based refrigeration system. Energy Conversion and Management, 2017, 146, 43-51.	4.4	38
1272	A soft computing method for the prediction of energy performance of residential buildings. Measurement: Journal of the International Measurement Confederation, 2017, 109, 268-280.	2.5	36
1273	Assessing window area and potential for electricity savings by using daylighting and hybrid ventilation in office buildings in southern Brazil. Simulation, 2017, 93, 935-949.	1.1	8
1274	Using PCM embedded in building material for thermal management: Performance assessment study. Energy and Buildings, 2017, 151, 28-34.	3.1	61

#	ARTICLE	IF	CITATIONS
1275	Performance comparison of the advanced indirect evaporative air coolers. <i>Energy</i> , 2017, 135, 138-152.	4.5	28
1276	Genetic Algorithm for Building Optimization. , 2017, , .		25
1277	Integrating the energy costs of urban transport and buildings. <i>Sustainable Cities and Society</i> , 2017, 32, 669-681.	5.1	9
1278	Optimization of support vector regression model based on outlier detection methods for predicting electricity consumption of a public building WSHP system. <i>Energy and Buildings</i> , 2017, 151, 35-44.	3.1	30
1279	HVAC Energy Saving in IPS-enabled Large Space: An Occupancy Distribution Based Demand-driven Control Approach. <i>Energy Procedia</i> , 2017, 105, 2083-2088.	1.8	2
1280	Disaggregation process for dynamic multidimensional heat flux in building simulation. <i>Energy and Buildings</i> , 2017, 148, 298-310.	3.1	9
1281	Advanced detection of HVAC faults using unsupervised SVM novelty detection and Gaussian process models. <i>Energy and Buildings</i> , 2017, 149, 216-224.	3.1	65
1282	Optimizing photovoltaic self-consumption in office buildings. <i>Energy and Buildings</i> , 2017, 150, 71-80.	3.1	40
1283	Understanding comfort and senses in social practice theory: Insights from a Danish field study. <i>Energy Research and Social Science</i> , 2017, 29, 86-94.	3.0	54
1284	Energy consumption analysis of school buildings in Manitoba, Canada. <i>International Journal of Sustainable Built Environment</i> , 2017, 6, 359-371.	3.2	53
1285	Assessment of Building Integrated Photovoltaic (BIPV) for sustainable energy performance in tropical regions of Cameroon. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 80, 1138-1152.	8.2	36
1286	Refrigerant R32 as lower GWP working fluid in residential air conditioning systems in Europe and the USA. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 80, 1031-1042.	8.2	91
1287	Sustainable Homecare Monitoring System by Sensing Electricity Data. <i>IEEE Sensors Journal</i> , 2017, 17, 7741-7749.	2.4	32
1288	A Passivity-Based Power-Shaping Control of Building HVAC Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2017, 139, .	0.9	9
1289	Probabilistic optimal design concerning uncertainties and on-site adaptive commissioning of air-conditioning water pump systems in buildings. <i>Applied Energy</i> , 2017, 202, 53-65.	5.1	12
1290	Harvesting maximal PV energy with fine grained energy distribution: An alternative to traditional PV systems in buildings. <i>Energy and Buildings</i> , 2017, 148, 355-365.	3.1	2
1291	Towards energy efficient skyscrapers. <i>Energy and Buildings</i> , 2017, 149, 437-449.	3.1	31
1292	Phase change materials and carbon nanostructures for thermal energy storage: A literature review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 1212-1228.	8.2	161



#	ARTICLE	IF	CITATIONS
1293	Influence of load feature on the water distribution system in a centralized air-conditioning system. Science and Technology for the Built Environment, 2017, 23, 277-284.	0.8	3
1294	The building performance gap: Are modellers literate?. Building Services Engineering Research and Technology, 2017, 38, 351-375.	0.9	94
1295	Comparative study on energy consumption at the University of Johannesburg residences. , 2017, , .		1
1296	Estimating energy savings from benchmarking policies in New York City. Energy, 2017, 133, 415-423.	4.5	39
1297	Thermal performance assessment of phase change material integrated cementitious composites in buildings: Experimental and numerical approach. Applied Energy, 2017, 207, 654-664.	5.1	92
1298	Towards user centered building design: Identifying end-user lighting preferences via immersive virtual environments. Automation in Construction, 2017, 81, 56-66.	4.8	86
1299	Experimental and Numerical Study on Energy Performance of Buildings Integrated with Phase Change Materials. Energy Procedia, 2017, 105, 2214-2219.	1.8	7
1301	Research of Design Features that Influence Energy Consumption in Office Buildings in Belo Horizonte, Brazil. Energy Procedia, 2017, 111, 101-110.	1.8	7
1302	Mechanically robust and shape-memory hybrid aerogels for super-insulating applications. Journal of Materials Chemistry A, 2017, 5, 15048-15055.	5.2	29
1303	Modeling energy consumption and efficiency measures in the Italian hotel sector. Energy and Buildings, 2017, 149, 329-338.	3.1	42
1304	The role of an exergy-based building stock model for exploration of future decarbonisation scenarios and policy making. Energy Policy, 2017, 105, 467-483.	4.2	11
1305	Smart Building Applications and Information System Hardware Co-Design. , 2017, , 225-240.		8
1306	Sustainability in Buildings – A Teaching Approach. Energy Procedia, 2017, 107, 15-22.	1.8	3
1307	Preliminary Investigations on a Novel Rotating Media Liquid-air Contacting Device without Liquid Pool. Energy Procedia, 2017, 109, 167-173.	1.8	2
1308	Implications of Life Cycle Energy Assessment of a new school building, regarding the nearly Zero Energy Buildings targets in EU: A case of Study. Sustainable Cities and Society, 2017, 32, 142-152.	5.1	24
1309	Integration of aero-elastic belt into the built environment for low-energy wind harnessing: Current status and a case study. Energy Conversion and Management, 2017, 149, 830-850.	4.4	15
1310	Toward cost-effective and energy-efficient heat recovery systems in buildings: Thermal performance monitoring. Energy, 2017, 137, 487-494.	4.5	19
1311	Advanced buffer materials for indoor air CO <sub>2</sub> control in commercial buildings. Indoor Air, 2017, 27, 1213-1223.	2.0	18

#	ARTICLE	IF	CITATIONS
1312	Infrared reflective coatings for building and automobile glass windows for heat protection. , 2017, , .		2
1313	A study on density stratification by mechanical extraction displacement ventilation. International Journal of Heat and Mass Transfer, 2017, 110, 447-459.	2.5	5
1314	Automated Mapping of User Activities onto Flexible Space in Space-Use Analysis. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	2.0	5
1315	Retrofit strategies towards Net Zero Energy Educational Buildings: A case study at the University of the Basque Country. Energy and Buildings, 2017, 144, 387-400.	3.1	45
1316	A survey on energy consumption and energy usage behavior of households and residential building in urban China. Energy and Buildings, 2017, 148, 366-378.	3.1	249
1317	Progress on upgrading methods of bio-oil: A review. International Journal of Energy Research, 2017, 41, 1798-1816.	2.2	76
1318	Inkjet Printed Large Area Multifunctional Smart Windows. Advanced Energy Materials, 2017, 7, 1602598.	10.2	239
1319	A short-term building cooling load prediction method using deep learning algorithms. Applied Energy, 2017, 195, 222-233.	5.1	481
1320	Performance analysis of a novel liquid desiccant evaporative cooling fresh air conditioning system with solution recirculation. Building and Environment, 2017, 117, 218-229.	3.0	43
1321	Assessment of thermal performance of gypsum-based composites with revalorized graphite filler. Construction and Building Materials, 2017, 142, 83-91.	3.2	17
1322	Comparative performance assessment of a non-ventilated and ventilated BIPV rooftop configurations in the Netherlands. Solar Energy, 2017, 146, 389-400.	2.9	16
1323	Performance testing of a cross-flow membrane-based liquid desiccant dehumidification system. Applied Thermal Engineering, 2017, 119, 119-131.	3.0	46
1324	Formulation of an OTTV for walls of bedroom in Thailand. Applied Thermal Engineering, 2017, 113, 334-344.	3.0	10
1325	Performance investigation of terminal handling process in air-conditioning system from the perspective of entransy dissipation. Energy and Buildings, 2017, 137, 27-37.	3.1	2
1326	Influence of construction material uncertainties on residential building LCA reliability. Journal of Cleaner Production, 2017, 144, 33-47.	4.6	135
1327	Application of phase change materials in gypsum boards to meet building energy conservation goals. Energy and Buildings, 2017, 138, 455-467.	3.1	112
1328	Cool colored coating and phase change materials as complementary cooling strategies for building cooling load reduction in tropics. Applied Energy, 2017, 190, 57-63.	5.1	100
1329	Assessing thermal comfort and energy efficiency in buildings by statistical quality control for autocorrelated data. Applied Energy, 2017, 190, 1-17.	5.1	31

#	ARTICLE	IF	CITATIONS
1330	Impact of outdoor PM2.5 on natural ventilation usability in California's nondomestic buildings. Applied Energy, 2017, 189, 711-724.	5.1	60
1331	Micro-climatization and real-time digitalization effects on energy efficiency based on user behavior. Building and Environment, 2017, 114, 410-428.	3.0	33
1332	An overview of energy retrofit actions feasibility on Italian historical buildings. Energy, 2017, 137, 991-1000.	4.5	72
1333	A review on the air-to-air heat and mass exchanger technologies for building applications. Renewable and Sustainable Energy Reviews, 2017, 75, 753-774.	8.2	62
1334	An approach to operate high-powered legacy electrical appliances on small scale solar PV systems. Renewable Energy, 2017, 104, 238-247.	4.3	3
1335	Benefit allocation for distributed energy network participants applying game theory based solutions. Energy, 2017, 119, 384-391.	4.5	63
1336	Improving sustainable office building operation by using historical data and linear models to predict energy usage. Sustainable Cities and Society, 2017, 29, 107-117.	5.1	29
1337	Analysis of typical public building energy consumption in northern China. Energy and Buildings, 2017, 136, 139-150.	3.1	126
1338	Comparison of linear regression and artificial neural networks models to predict heating and cooling energy demand, energy consumption and CO 2 emissions. Energy, 2017, 118, 24-36.	4.5	113
1339	Energy (electricity) consumption in South African hotels: A panel data analysis. Energy and Buildings, 2017, 156, 207-217.	3.1	18
1340	Effect of natural ventilation mode on thermal comfort and ventilation performance: Full-scale measurement. Energy and Buildings, 2017, 156, 1-16.	3.1	77
1341	Application of mixed-mode research paradigms to the building sector: A review and case study towards decarbonising the built and natural environment. Sustainable Cities and Society, 2017, 35, 692-714.	5.1	18
1342	Experimental comparative research on electro dialysis regeneration for liquid desiccant with different concentrations in liquid desiccant air-conditioning system. Energy and Buildings, 2017, 155, 475-483.	3.1	26
1343	Energy-efficient Legionella control that mimics nature and an open-source computational model to aid system design. Applied Thermal Engineering, 2017, 127, 370-377.	3.0	4
1344	Steady flows in a naturally-ventilated enclosure containing both a distributed and a localised source of buoyancy. Building and Environment, 2017, 125, 308-318.	3.0	20
1345	Thermal characterization of polyurethane foams with phase change material. CiÃancia & Tecnologia Dos Materiais, 2017, 29, 1-7.	0.5	7
1346	Towards an environmental approach for the sustainability of buildings in Algeria. Energy Procedia, 2017, 119, 98-110.	1.8	12
1347	A generalization approach for reduced order modelling of commercial buildings. Energy Procedia, 2017, 122, 901-906.	1.8	10

#	ARTICLE	IF	CITATIONS
1348	Automated classification and identification procedure for prediction of energy consumption in multi-mode buildings. <i>Energy Procedia</i> , 2017, 122, 1021-1026.	1.8	3
1349	Geothermal contribution on southern Europe climate for energy efficiency of university buildings. Winter season. <i>Energy Procedia</i> , 2017, 134, 181-191.	1.8	7
1350	Robust Adaptive Model Predictive Building Climate Control. <i>IFAC-PapersOnLine</i> , 2017, 50, 1871-1876.	0.5	25
1351	Impact of service sector loads on renewable resource integration. <i>Applied Energy</i> , 2017, 205, 1311-1326.	5.1	19
1352	Using epidemiological methods in energy and buildings research to achieve carbon emission targets. <i>Energy and Buildings</i> , 2017, 154, 188-197.	3.1	21
1353	Inferring Clothing Insulation Levels Using Mechanisms of Heat Transfer. <i>ACM Transactions on Sensor Networks</i> , 2017, 13, 1-27.	2.3	0
1354	Optimization of glazing systems in Non-Residential buildings: The role of the optical properties of air-conditioned environments. <i>Building and Environment</i> , 2017, 126, 147-160.	3.0	9
1355	A ventilation system controller based on pressure-drop and CO <sub>2</sub> models. <i>Energy and Buildings</i> , 2017, 155, 378-389.	3.1	10
1356	Office building plug and light loads: Comparison of a multi-tenant office tower to conventional assumptions. <i>Energy and Buildings</i> , 2017, 153, 461-475.	3.1	20
1357	Development of thermal energy storage cementitious composites (TESC) containing a novel paraffin/hydrophobic expanded perlite composite phase change material. <i>Solar Energy</i> , 2017, 158, 626-635.	2.9	71
1358	Managing sustainability efforts in building design, construction, consulting, and facility management firms. <i>Engineering, Construction and Architectural Management</i> , 2017, 24, 1040-1050.	1.8	18
1359	Sustainable design rating system comparison using a life-cycle methodology. <i>Building and Environment</i> , 2017, 126, 410-421.	3.0	11
1360	Automatic occupancy prediction using unsupervised learning in buildings data. , 2017, , .		3
1362	Automatic HVAC control with real-time occupancy recognition and simulation-guided model predictive control in low-cost embedded system. <i>Energy and Buildings</i> , 2017, 154, 141-156.	3.1	116
1363	A novel enhanced exergy method in analyzing HVAC system using soft computing approaches: A case study on mushroom growing hall. <i>Journal of Building Engineering</i> , 2017, 13, 309-318.	1.6	25
1364	Institutional, social and individual behavioural effects of energy feedback in public buildings across eleven European cities. <i>Energy Policy</i> , 2017, 110, 222-233.	4.2	6
1365	Solar radiation reflective coating material on building envelopes: Heat transfer analysis and cooling energy saving. <i>Energy Exploration and Exploitation</i> , 2017, 35, 748-766.	1.1	29
1366	Magnesium phosphate cements formulated with low grade magnesium oxide incorporating phase change materials for thermal energy storage. <i>Construction and Building Materials</i> , 2017, 155, 209-216.	3.2	25

#	ARTICLE	IF	CITATIONS
1367	Thermophysical investigations of nanotechnological insulation materials. AIP Conference Proceedings, 2017, , .	0.3	5
1368	Simulation model for assessing the efficiency of a combined power installation based on a geothermal heat pump and a vacuum solar collector. IOP Conference Series: Earth and Environmental Science, 2017, 72, 012018.	0.2	2
1369	Warming up human body by nanoporous metallized polyethylene textile. Nature Communications, 2017, 8, 496.	5.8	280
1370	A state of art review on methodologies for control strategies in low energy buildings in the period from 2006 to 2016. Energy and Buildings, 2017, 147, 27-40.	3.1	40
1371	Control strategies for dynamic insulation materials applied to commercial buildings. Energy and Buildings, 2017, 154, 305-320.	3.1	42
1372	Supervised Analysis Dictionary Learning. , 2017, , .		1
1373	Thermodynamic Investigation and Comparison of Absorption Cycles Using Hydrofluoroolefins and Ionic Liquid. Industrial & Engineering Chemistry Research, 2017, 56, 9906-9916.	1.8	41
1374	Operation strategy optimization of BCHP system with thermal energy storage: A case study for airport terminal in Qingdao, China. Energy and Buildings, 2017, 154, 465-478.	3.1	14
1375	Geochemistry, reservoir characterization and hydrocarbon generation potential of lacustrine shales: A case of YQ-1 well in the Yuqia Coalfield, northern Qaidam Basin, NW China. Marine and Petroleum Geology, 2017, 88, 458-471.	1.5	19
1376	Using social injunctive norms to nudge users to build green houses / <i>El empleo de normas prescriptivas sociales para animar a los usuarios a construir casas ecológicas</i>. Psyecology, 2017, 8, 297-322.	1.1	1
1377	Energy conservation through flexible HVAC management in large spaces: An IPS-based demand-driven control (IDC) system. Automation in Construction, 2017, 83, 91-107.	4.8	24
1378	Psychological and structural facilitators and barriers to energy upgrades of the privately owned building stock. Energy, 2017, 140, 1005-1017.	4.5	26
1379	A numerical model for a dew-point counter-flow indirect evaporative cooler using a modified boundary condition and considering effects of entrance regions. International Journal of Refrigeration, 2017, 84, 36-51.	1.8	25
1380	Energy consumption behaviour characterization with mobile gamification. , 2017, , .		8
1381	HVAC system energy optimization using an adaptive hybrid metaheuristic. Energy and Buildings, 2017, 152, 149-161.	3.1	62
1382	Influence analysis of driver behavior and building category on economic performance of electric vehicle to grid and building integration. Applied Energy, 2017, 207, 427-437.	5.1	50
1383	A probabilistic approach to the energy-saving potential of natural ventilation: Effect of approximation method for approaching wind velocity. Building and Environment, 2017, 122, 94-104.	3.0	12
1384	Dynamic heat transfer analysis of condensed droplets growing and coalescing on water repellent surfaces. International Journal of Heat and Mass Transfer, 2017, 114, 934-943.	2.5	21

#	ARTICLE	IF	CITATIONS
1385	Thermal Performance Optimization of Shape Stabilized Phase Change Material Used in Building Envelopes. <i>Key Engineering Materials</i> , 0, 744, 201-206.	0.4	0
1386	Cool, Translucent Natural Envelope: Thermal-optics Characteristics Experimental Assessment and Thermal-energy and Day Lighting Analysis. <i>Energy Procedia</i> , 2017, 111, 578-587.	1.8	12
1387	Computational modeling of a BIPV/T ethylene tetrafluoroethylen (ETFE) cushion structure roof. <i>Energy</i> , 2017, 133, 998-1012.	4.5	14
1388	Effects of humidity on thermal performance of aerogel insulation blankets. <i>Journal of Building Engineering</i> , 2017, 13, 107-115.	1.6	38
1389	Upscaling energy control from building to districts: Current limitations and future perspectives. <i>Sustainable Cities and Society</i> , 2017, 35, 816-829.	5.1	72
1390	Thermal Energy Storage Enhancement of Lightweight Cement Mortars with the Application of Phase Change Materials. <i>Procedia Engineering</i> , 2017, 180, 1170-1177.	1.2	37
1391	Urban Integration of Aeroelastic Belt for Low-Energy Wind Harvesting. <i>Energy Procedia</i> , 2017, 105, 738-743.	1.8	4
1392	Urban Planning Needs. Clustering of Energy End Users. <i>Energy Procedia</i> , 2017, 113, 297-303.	1.8	0
1393	A comparative analysis of two thermoeconomic diagnosis methodologies in a building heating and DHW facility. <i>Energy and Buildings</i> , 2017, 146, 160-171.	3.1	14
1394	A transient model for the thermal inertia of chilled-water systems during demand response. <i>Energy and Buildings</i> , 2017, 150, 383-395.	3.1	12
1395	Assessing household energy uses: An online interactive tool dedicated to citizens and local stakeholders. <i>Energy and Buildings</i> , 2017, 151, 418-428.	3.1	6
1396	The Role of Application Techniques for High Performance Traditional Renders. <i>Procedia Environmental Sciences</i> , 2017, 38, 242-247.	1.3	5
1397	Heat transfer studies of building brick containing phase change materials. <i>Solar Energy</i> , 2017, 155, 1233-1242.	2.9	98
1398	Supervisory Control for Resilient Chiller Plants Under Condenser Fouling. <i>IEEE Access</i> , 2017, 5, 14028-14046.	2.6	11
1399	Electric load shape benchmarking for small- and medium-sized commercial buildings. <i>Applied Energy</i> , 2017, 204, 715-725.	5.1	75
1400	Thermodynamic relationship of subcooling power and increase of cooling output in vapour compression chiller. <i>Energy Conversion and Management</i> , 2017, 149, 254-262.	4.4	23
1401	An energy management maturity model for multi-site industrial organisations with a global presence. <i>Journal of Cleaner Production</i> , 2017, 167, 1232-1250.	4.6	29
1402	Occupancy schedules for energy simulation in new prEN16798-1 and ISO/FDIS 17772-1 standards. <i>Sustainable Cities and Society</i> , 2017, 35, 134-144.	5.1	50

#	ARTICLE	IF	CITATIONS
1403	Novel validated method for GIS based automated dynamic urban building energy simulations. Energy, 2017, 139, 142-154.	4.5	65
1404	Deep neural networks for energy load forecasting. , 2017, , .		207
1405	Semantic Diagnosis Approach for Buildings. IEEE Transactions on Industrial Informatics, 2017, 13, 3399-3410.	7.2	11
1406	Exponential pattern recognition for deriving air change rates from CO <sub>2</sub> data. , 2017, , .		2
1407	The influence of relative humidity on adaptive thermal comfort. Building and Environment, 2017, 124, 171-185.	3.0	116
1408	Multivariate scaling and dimensional analysis of the counter-flow dew point evaporative cooler. Energy Conversion and Management, 2017, 150, 172-187.	4.4	42
1409	Optimum composition of gas mixture in a novel chimney-based LED bulb. International Journal of Heat and Mass Transfer, 2017, 115, 32-42.	2.5	9
1410	Techno-economic evaluation of roof thermal insulation for a hypermarket in equatorial climate: Malaysia. Sustainable Cities and Society, 2017, 35, 209-223.	5.1	11
1411	An Epistemic-Deontic-Axiologic (EDA) agent-based energy management system in office buildings. Applied Energy, 2017, 205, 440-452.	5.1	14
1412	A hybrid ICA-BPNN-based FDD strategy for refrigerant charge faults in variable refrigerant flow system. Applied Thermal Engineering, 2017, 127, 718-728.	3.0	35
1413	Polyurethane foams with microencapsulated phase change material: Comparative analysis of thermal conductivity characterization approaches. Energy and Buildings, 2017, 153, 392-402.	3.1	44
1414	Building energy efficiency: Passive technology or active technology?. Indoor and Built Environment, 2017, 26, 729-732.	1.5	38
1415	Upscaling of wood bilayers: design principles for controlling shape change and increasing moisture change rate. Materials and Structures/Materiaux Et Constructions, 2017, 50, 1.	1.3	15
1416	Nanoscale-Agglomerate-Mediated Heterogeneous Nucleation. Nano Letters, 2017, 17, 7544-7551.	4.5	43
1417	Spatiotemporal variability in building energy use in New York City. Energy, 2017, 141, 1393-1401.	4.5	22
1418	A dual-mode textile for human body radiative heating and cooling. Science Advances, 2017, 3, e1700895.	4.7	399
1419	A Data Driven Pre-cooling Framework for Energy Cost Optimization in Commercial Buildings. , 2017, , .		23
1420	Sustainable Construction in Sultanate of Oman: Factors Effecting Materials Utilization. Procedia Engineering, 2017, 196, 980-987.	1.2	19

#	ARTICLE	IF	CITATIONS
1421	Flexural behavior of stratified reinforced concrete: construction, testing, analysis, and design. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017, 50, 1.	1.3	7
1422	Implementation of predictive control in a commercial building energy management system using neural networks. <i>Energy and Buildings</i> , 2017, 151, 511-519.	3.1	49
1423	Energy consumption prediction of air-conditioning systems in buildings by selecting similar days based on combined weights. <i>Energy and Buildings</i> , 2017, 151, 157-166.	3.1	37
1424	NEST HiLo: Investigating lightweight construction and adaptive energy systems. <i>Journal of Building Engineering</i> , 2017, 12, 332-341.	1.6	29
1425	Residential HVAC fault detection using a system identification approach. <i>Energy and Buildings</i> , 2017, 151, 1-17.	3.1	71
1426	Energy efficiency evaluation of hospital building office. <i>Journal of Physics: Conference Series</i> , 2017, 795, 012067.	0.3	2
1427	Requalifying public buildings and utilities using a group decision support system. <i>Journal of Cleaner Production</i> , 2017, 164, 1081-1092.	4.6	22
1428	Radon safety in terms of energy efficiency classification of buildings. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 72, 012020.	0.2	2
1429	Low-cost, rapid deployment, over-the-top HVAC and room thermal efficiency system using open source hardware design. , 2017, , .		1
1430	Using Intelligent Building Energy Management System for the Integration of Several Systems to one Overall Monitoring and Management System. <i>Energy Procedia</i> , 2017, 111, 639-647.	1.8	16
1431	Experimental investigation of a super performance dew point air cooler. <i>Applied Energy</i> , 2017, 203, 761-777.	5.1	95
1432	Investigating natural ventilation potentials across the globe: Regional and climatic variations. <i>Building and Environment</i> , 2017, 122, 386-396.	3.0	140
1433	Exploring Novice Approaches to Smartphone-based Thermographic Energy Auditing. , 2017, , .		13
1434	Reducing energy consumption and increasing filter life in HVAC systems using an aspiration efficiency reducer: Long-term performance assessment at full-scale. <i>Journal of Building Engineering</i> , 2017, 12, 267-274.	1.6	15
1435	Energy performance analysis of STILE house at the Solar Decathlon 2015: Lessons learned. <i>Journal of Building Engineering</i> , 2017, 13, 11-27.	1.6	20
1436	Selecting Sensors when Forecasting Temperature in Smart Buildings. <i>Procedia Computer Science</i> , 2017, 109, 777-784.	1.2	9
1437	Evaluation of the integration of the Wind-Induced Flutter Energy Harvester (WIFEH) into the built environment: Experimental and numerical analysis. <i>Applied Energy</i> , 2017, 207, 61-77.	5.1	46
1438	Development of thermal enhanced n-octadecane/porous nano carbon-based materials using 3-step filtered vacuum impregnation method. <i>Thermochimica Acta</i> , 2017, 655, 194-201.	1.2	38



#	ARTICLE	IF	CITATIONS
1439	Universal Visible Sky Factor: A method for calculating the three-dimensional visible sky ratio. <i>Building and Environment</i> , 2017, 123, 390-403.	3.0	15
1440	Energy efficient HVAC control for an IPS-enabled large space in commercial buildings through dynamic spatial occupancy distribution. <i>Applied Energy</i> , 2017, 207, 305-323.	5.1	55
1441	Achieving Net Zero-Energy Buildings through Retrofitting Existing Residential Buildings Using PV Panels. <i>Energy Procedia</i> , 2017, 115, 195-204.	1.8	33
1442	Optimal control of heat pump water heater-instantaneous shower using integrated renewable-grid energy systems. <i>Applied Energy</i> , 2017, 201, 332-342.	5.1	31
1443	The creation of weather data for AC design using two weather indices for Osaka. <i>Energy and Buildings</i> , 2017, 134, 248-258.	3.1	12
1444	Window-Varying Particle Filter for Parameter Identification of Space Thermal Model. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017, 66, 165-176.	2.4	7
1445	Building Thermal Performance, Extreme Heat, and Climate Change. <i>Journal of Infrastructure Systems</i> , 2017, 23, .	1.0	27
1446	A review of artificial intelligence based building energy use prediction: Contrasting the capabilities of single and ensemble prediction models. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 75, 796-808.	8.2	416
1447	Building renovation adopts mass customization. <i>Journal of Intelligent Information Systems</i> , 2017, 49, 119-146.	2.8	9
1448	A complex roof incorporating phase change material for improving thermal comfort in a dedicated test cell. <i>Renewable Energy</i> , 2017, 101, 450-461.	4.3	20
1449	Energy saving evaluation of passive systems for residential buildings in hot and dry regions. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 68, 432-446.	8.2	75
1450	Performance investigation and exergy analysis of air-handling processes using liquid desiccant and a desiccant wheel. <i>Science and Technology for the Built Environment</i> , 2017, 23, 105-115.	0.8	2
1451	Investigation on the behaviour of a thermo-active diaphragm wall by thermo-mechanical analyses. <i>Geomechanics for Energy and the Environment</i> , 2017, 9, 1-20.	1.2	45
1452	Energy Planning in a Big Data Era: A Theme Study of the Residential Sector. <i>Springer Geography</i> , 2017, , 219-230.	0.3	3
1453	Thermal simulation of a social dwelling in Chile: Effect of the thermal zone and the temperature-dependant thermophysical properties of light envelope materials. <i>Applied Thermal Engineering</i> , 2017, 112, 771-783.	3.0	17
1454	The Dutch approach for assessing and reducing environmental impacts of building materials. <i>Building and Environment</i> , 2017, 111, 147-159.	3.0	46
1455	A state of art of review on interactions between energy performance and indoor environment quality in Passive House buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 72, 1303-1319.	8.2	93
1456	Energy saving potential of a two-pipe system for simultaneous heating and cooling of office buildings. <i>Energy and Buildings</i> , 2017, 134, 234-247.	3.1	24

#	ARTICLE	IF	CITATIONS
1457	Development of performance criteria for sustainability evaluation of modular versus conventional construction methods. <i>Journal of Cleaner Production</i> , 2017, 142, 3592-3606.	4.6	179
1458	Comprehensive thermal transmittance investigations carried out on opaque aerogel insulation blanket. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017, 50, 1.	1.3	27
1459	Developing a residential building-related social sustainability assessment framework and its implications for BIM. <i>Sustainable Cities and Society</i> , 2017, 28, 1-15.	5.1	102
1460	Experimental investigation of the first prototype ejector refrigeration system with HFO-1234ze(E). <i>Applied Thermal Engineering</i> , 2017, 110, 115-125.	3.0	36
1461	Energy efficiency of smart windows made of photonic crystal. <i>International Journal of Construction Management</i> , 2017, 17, 100-112.	2.2	14
1462	Estimation and sensitivity analysis of building energy demand. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2017, 170, 81-92.	0.4	4
1463	A review of conventional, advanced, and smart glazing technologies and materials for improving indoor environment. <i>Solar Energy Materials and Solar Cells</i> , 2017, 159, 26-51.	3.0	307
1464	Gaussian Process models for ubiquitous user comfort preference sampling; global priors, active sampling and outlier rejection. <i>Pervasive and Mobile Computing</i> , 2017, 39, 135-158.	2.1	12
1465	Development, validation, and assessment of a high fidelity chilled water plant model. <i>Applied Thermal Engineering</i> , 2017, 111, 477-488.	3.0	10
1466	The role of porous metal foam on the unidirectional solidification of saturating fluid for cold storage. <i>Applied Energy</i> , 2017, 194, 508-521.	5.1	95
1467	Comparison of evaluation standards for green building in China, Britain, United States. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 68, 262-271.	8.2	172
1468	Optimal Chiller Loading Using Improved Particle Swarm Optimization. <i>Lecture Notes in Electrical Engineering</i> , 2017, , 103-113.	0.3	0
1469	Composite solar façades and wind generators with tensegrity architecture. <i>Composites Part B: Engineering</i> , 2017, 115, 275-281.	5.9	40
1470	Ultrathin Fluidic Laminates for Large Area Façade Integration and Smart Windows. <i>Advanced Science</i> , 2017, 4, 1600362.	5.6	28
1471	Improving transient thermal simulations of single dwellings using interpolated weather data. <i>Energy and Buildings</i> , 2017, 135, 212-224.	3.1	6
1472	Life cycle assessment (LCA) of building refurbishment: A literature review. <i>Energy and Buildings</i> , 2017, 135, 286-301.	3.1	287
1473	Co-simulation of a HVAC system-integrated phase change material thermal storage unit. <i>Journal of Building Performance Simulation</i> , 2017, 10, 313-325.	1.0	12
1474	Effect of water content on the acoustical and thermal properties of hemp concretes. <i>Construction and Building Materials</i> , 2017, 139, 513-523.	3.2	91

#	ARTICLE	IF	CITATIONS
1475	A comprehensive, multi-objective optimization of solar-powered absorption chiller systems for air-conditioning applications. <i>Energy Conversion and Management</i> , 2017, 132, 281-306.	4.4	127
1476	A review of photovoltaic thermal (PV/T) heat utilisation with low temperature desiccant cooling and dehumidification. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 67, 1-14.	8.2	68
1477	Factors governing mass transfer during membrane electrodialysis regeneration of LiCl solution for liquid desiccant dehumidification systems. <i>Sustainable Cities and Society</i> , 2017, 28, 30-41.	5.1	35
1478	Cost Optimal Integration of Flexible Buildings in Congested Distribution Grids. <i>IEEE Transactions on Power Systems</i> , 2017, 32, 2254-2266.	4.6	53
1479	Application of concept of heat adaptor: Determining an ideal central heating system using industrial waste heat. <i>Applied Thermal Engineering</i> , 2017, 111, 1387-1393.	3.0	8
1480	Outdoor air thermal plume simulation of layer-based VRF air conditioners in high-rise buildings. <i>Energy Procedia</i> , 2017, 142, 3787-3792.	1.8	6
1481	Anomaly detection and visualization of school electricity consumption data. , 2017, , .		17
1482	Inverse problem and variation method to optimize cascade heat exchange network in central heating system. <i>Journal of Thermal Science</i> , 2017, 26, 545-551.	0.9	10
1483	Comparative Study of Passive Methods for Reducing Cooling Load. <i>Energy Procedia</i> , 2017, 142, 2689-2697.	1.8	12
1484	A method for supporting the design of efficient heating systems using EU product policy data. <i>International Journal of Sustainable Engineering</i> , 2017, 10, 313-325.	1.9	2
1485	Time-series decomposition of power demand data to extract uncertain features. , 2017, , .		3
1486	Machine learning for energy efficiency: Automatic detection of electric loads from power consumption. , 2017, , .		3
1487	Impact of building automation control systems on energy efficiency – University building case study. , 2017, , .		12
1488	A smart heating set point scheduler using an artificial neural network and genetic algorithm. , 2017, , .		2
1489	Thermal comfort in the historical urban canyon: the effect of innovative materials. <i>Energy Procedia</i> , 2017, 134, 151-160.	1.8	14
1490	Smart cool mortar for passive cooling of historical and existing buildings: experimental analysis and dynamic simulation. <i>Energy Procedia</i> , 2017, 134, 536-544.	1.8	4
1491	Bridging the gap between energy consumption and the indoor environmental quality of a 1960s educational building. <i>Energy Procedia</i> , 2017, 132, 87-92.	1.8	6
1492	A two-layer decentralized approach to the optimal energy management of a building district with a shared thermal storage * *This research was supported by the European Commission under the project UnCoVerCPS, grant number 643921. <i>IFAC-PapersOnLine</i> , 2017, 50, 8844-8849.	0.5	4

#	ARTICLE	IF	CITATIONS
1493	Constrained Iterative Learning Control with PSO-Youla Feedback Tuning for Building Temperature Control * *This work was supported by the National Foundation of Research (NRF) of Singapore and China Scholarship Council (CSC) Scholarship.. IFAC-PapersOnLine, 2017, 50, 3135-3141.	0.5	10
1494	Modelling and Simulation of Microscale Trigeneration Systems Based on Real-Life Experimental Data. IFAC-PapersOnLine, 2017, 50, 3238-3243.	0.5	3
1495	Distributed Clustering-based Sensor Fault Diagnosis for HVAC Systems * *This work has been partially supported by the research project "Stability and Control of Power Networks with Energy Storage (STABLE-NET)", funded by the RCUK Energy Programme (contract no: EP/L014343/1) and by the Italian MIUR Project SEAL -Smart&safe Energy-aware Assisted Living (SCN-00398). IFAC-PapersOnLine, 2017, 50, 4197-4202.	0.5	3
1496	Occupant productivity and indoor environment quality: A case of GSAS. International Journal of Sustainable Built Environment, 2017, 6, 476-490.	3.2	27
1497	Combined solar heating and air-source heat pump system with energy storage: thermal performance analysis and optimization. Procedia Engineering, 2017, 205, 4090-4097.	1.2	18
1498	Study on the pulsed flow control on radiant cooling and heating systems in part load. Procedia Engineering, 2017, 205, 11-18.	1.2	3
1499	Air Change Rates in Residential Buildings in Tianjin, China. Procedia Engineering, 2017, 205, 2254-2258.	1.2	19
1500	Performance of buildings integrated with a photovoltaic thermal collector and phase change materials. Procedia Engineering, 2017, 205, 1337-1343.	1.2	31
1501	The study of occupant behavior analysis of Inner Mongolia in regard to heating energy consumption. Procedia Engineering, 2017, 205, 915-922.	1.2	4
1502	Experimental on a novel solar energy heating system for residential buildings in cold zone of China. Procedia Engineering, 2017, 205, 3061-3066.	1.2	8
1503	A real-time detection method of abnormal building energy consumption data coupled POD-LSE and FCD. Procedia Engineering, 2017, 205, 1657-1664.	1.2	7
1504	A Parametric Study on the Community Form and Its Influences on Energy Consumption of Office Buildings in Shanghai. Procedia Engineering, 2017, 205, 548-555.	1.2	7
1505	Non-monotonic reasoning rules for Energy Efficiency. Journal of Ambient Intelligence and Smart Environments, 2017, 9, 345-360.	0.8	18
1506	Power electronic interface converter for resource efficient buildings. , 2017, , .		8
1507	Physical, thermal and mechanical study of MPC formulated with LG-MgO incorporating Phase Change Materials as admixture. IOP Conference Series: Materials Science and Engineering, 2017, 251, 012024.	0.3	3
1508	Distributed and cooperative optimization-based iterative learning control for large-scale building temperature regulation. , 2017, , .		7
1509	A Study on the Wind-Induced Flutter Energy Harvester (WIFEH) Integration into Buildings. Energy Procedia, 2017, 142, 321-327.	1.8	12
1510	The heat and mass transfer process of the counter-flow dew point evaporative cooler. Energy Procedia, 2017, 142, 3805-3811.	1.8	2

#	ARTICLE	IF	CITATIONS
1511	Techno-commercial feasibility of grid-tied solar system in philips morris pvt ltd (commercial building) of Pakistan. , 2017, , .		0
1512	Building Occupancy Detection Using Feed Forward Back-Propagation Neural Networks. , 2017, , .		5
1513	Analysis of the impact of simulation model simplifications on the quality of low-energy buildings simulation results. E3S Web of Conferences, 2017, 22, 00081.	0.2	1
1514	Statistical analysis of solar PV power frequency spectrum for optimal employment of building loads. , 2017, , .		2
1515	Deep Neural Networks with Confidence Sampling for Electrical Anomaly Detection. , 2017, , .		14
1516	Dielectric-Metal-Dielectric (D-M-D) infrared (IR) heat reflectors. Journal of Physics: Conference Series, 2017, 917, 062007.	0.3	3
1517	Maisotsenko cycle based counter and cross flow heat and mass exchanger: A computational study. , 2017, , .		4
1518	An agent-based simulation model for distributed vehicle sharing operations. , 2017, , .		1
1519	Validation of a monthly quasi-steady-state simulation model for the energy use in buildings. , 2017, , .		6
1520	Gas-phase optical fiber photocatalytic reactors for indoor air application: a preliminary study on performance indicators. IOP Conference Series: Materials Science and Engineering, 2017, 251, 012055.	0.3	1
1521	Adaptive optimization for smart operation of cyber-physical systems: A thermostatic zoning test case. , 2017, , .		0
1522	Supervisory control of a building heating system based on radial basis function neural networks. , 2017, , .		0
1523	Analysis on energy use by small- and medium-sized energy consumers: Energy diagnostic center at Yuan Ze University, Taiwan. , 2017, , .		0
1524	Data driven modeling for energy consumption prediction in smart buildings. , 2017, , .		19
1525	Identification of a thermal building model by learning the dynamics of the solar flux. , 2017, , .		0
1526	Synthesis and Thermal Performance of Polyurea Microcapsulated Phase Change Materials by Interfacial Polymerization. Polymer Science - Series B, 2017, 59, 689-696.	0.3	4
1527	Machine Learning Based Occupancy Detection via the Use of Smart Meters. , 2017, , .		23
1529	Why Focus on Voluntary Programs for Sustainable Buildings and Cities?. , 2017, , 1-21.		0

#	ARTICLE	IF	CITATIONS
1530	The Sustainable Building Challenge. , 2017, , 22-42.		0
1531	A World of Voluntary Programs. , 2017, , 43-64.		0
1532	Certification and Classification. , 2017, , 65-88.		0
1533	Urban Governance Networks. , 2017, , 89-111.		0
1534	Innovative Climate Financing. , 2017, , 112-135.		0
1535	Separating the Wheat from the Chaff. , 2017, , 136-169.		0
1536	Voluntary Programs for Sustainable Cities Elsewhere. , 2017, , 170-185.		0
1537	Beyond the Leadership Delusion. , 2017, , 186-208.		0
1542	Sustainability Assessment of Enhanced Glazing Compositions of Commercial Buildings in Hot-Humid Climates. , 2017, , .		1
1543	Performance characterization of the membrane-based energy recovery system. Procedia Engineering, 2017, 214, 50-58.	1.2	5
1544	Applications of graphite-enabled phase change material composites to improve thermal performance of cementitious materials. IOP Conference Series: Materials Science and Engineering, 2017, 264, 012013.	0.3	4
1546	Thermal Simulation of a Zero Energy Glazed Pavilion in Sofia, Bulgaria. New Strategies for Energy Management by Means of Water Flow Glazing. IOP Conference Series: Materials Science and Engineering, 2017, 245, 042011.	0.3	3
1547	LEED, Its Efficacy and Fallacy in a Regional Context – An Urban Heat Island Case in California. Sustainability, 2017, 9, 1674.	1.6	13
1548	Nanostructured antireflective in-plane solar harvester. Optics Express, 2017, 25, A840.	1.7	6
1549	Review and Extension of CO2-Based Methods to Determine Ventilation Rates with Application to School Classrooms. International Journal of Environmental Research and Public Health, 2017, 14, 145.	1.2	147
1550	An Economic Model-Based Predictive Control to Manage the Users'™ Thermal Comfort in a Building. Energies, 2017, 10, 321.	1.6	32
1551	Preparation, Characterization and Thermo-Chromic Properties of EVA/VO2 Laminate Films for Smart Window Applications and Energy Efficiency in Building. Materials, 2017, 10, 53.	1.3	16
1552	A New Anomaly Detection System for School Electricity Consumption Data. Information (Switzerland), 2017, 8, 151.	1.7	25

#	ARTICLE	IF	CITATIONS
1553	A Long-Short Term Memory Recurrent Neural Network Based Reinforcement Learning Controller for Office Heating Ventilation and Air Conditioning Systems. <i>Processes</i> , 2017, 5, 46.	1.3	114
1554	The Development of a GIS-Based Model for Campus Environmental Sustainability Assessment. <i>Sustainability</i> , 2017, 9, 439.	1.6	36
1555	Impact of Window Films on the Overall Energy Consumption of Existing UK Hotel Buildings. <i>Sustainability</i> , 2017, 9, 731.	1.6	25
1556	Effect of the Changeable Organic Semi-Transparent Solar Cell Window on Building Energy Efficiency and User Comfort. <i>Sustainability</i> , 2017, 9, 950.	1.6	12
1557	Worldwide Research on Energy Efficiency and Sustainability in Public Buildings. <i>Sustainability</i> , 2017, 9, 1294.	1.6	87
1558	Integrated Proactive Control Model for Energy Efficiency Processes in Facilities Management: Applying Dynamic Exponential Smoothing Optimization. <i>Sustainability</i> , 2017, 9, 1597.	1.6	6
1559	Effects of Vernacular Climatic Strategies (VCS) on Energy Consumption in Common Residential Buildings in Southern Iran: The Case Study of Bushehr City. <i>Sustainability</i> , 2017, 9, 1950.	1.6	9
1560	Ecological and Carbon Footprintsâ€”The Future for City Sustainability. , 2017, , 43-51.		2
1561	Energy Saving Potential of PCMs in Buildings under Future Climate Conditions. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 1219.	1.3	35
1562	Inter-Building Effect and Its Relation with Highly Reflective Envelopes on Building Energy Use: Case Study for Cities of Japan. <i>Atmosphere</i> , 2017, 8, 211.	1.0	9
1563	Comparison of Space Heating Energy Consumption of Residential Buildings Based on Traditional and Model-Based Techniques. <i>Buildings</i> , 2017, 7, 27.	1.4	12
1564	Form Follows Environment: Biomimetic Approaches to Building Envelope Design for Environmental Adaptation. <i>Buildings</i> , 2017, 7, 40.	1.4	56
1565	Maximum Exergetic Efficiency Operation of a Solar Powered H2O-LiBr Absorption Cooling System. <i>Entropy</i> , 2017, 19, 676.	1.1	4
1566	Development of a Numerical Weather Analysis Tool for Assessing the Precooling Potential at Any Location. <i>Energies</i> , 2017, 10, 21.	1.6	7
1567	Exploring the Environment/Energy Pareto Optimal Front of an Office Room Using Computational Fluid Dynamics-Based Interactive Optimization Method. <i>Energies</i> , 2017, 10, 231.	1.6	10
1568	China Building Energy Consumption: Definitions and Measures from an Operational Perspective. <i>Energies</i> , 2017, 10, 582.	1.6	15
1569	Energy Modelling and Automated Calibrations of Ancient Building Simulations: A Case Study of a School in the Northwest of Spain. <i>Energies</i> , 2017, 10, 807.	1.6	18
1570	An Assisted Workflow for the Early Design of Nearly Zero Emission Healthcare Buildings. <i>Energies</i> , 2017, 10, 993.	1.6	12

#	ARTICLE	IF	CITATIONS
1571	Effect of Summer Ventilation on the Thermal Performance and Energy Efficiency of Buildings Utilizing Phase Change Materials. <i>Energies</i> , 2017, 10, 1214.	1.6	12
1572	Performance Investigation of the Novel Solar-Powered Dehumidification Window for Residential Buildings. <i>Energies</i> , 2017, 10, 1369.	1.6	11
1573	Energy Demand Reduction in the Residential Building Sector: A Case Study of Korea. <i>Energies</i> , 2017, 10, 1506.	1.6	24
1574	Energy in buildings: Efficiency, renewables and storage. <i>EPJ Web of Conferences</i> , 2017, 148, 00004.	0.1	0
1575	Quantitative comparison of data-driven and physics-based models for commercial building HVAC systems. , 2017, , .		17
1576	Evaluating the financial efficiency of energy and water saving installations in passive house. <i>E3S Web of Conferences</i> , 2017, 22, 00168.	0.2	19
1577	A design approach for event-driven optimization in complex air conditioning systems. , 2017, , .		0
1578	Numerical and experimental characterization of a novel low-cost thermal air flow sensor. , 2017, , .		1
1579	Multi-objective optimization of a residential building envelope in the Bahamas. , 2017, , .		3
1580	Solar playgrounds: A design feasibility study. , 2017, , .		0
1581	Energy consumption in an Italian opera house: Analysis and possible reduction. , 2017, , .		1
1582	Optimization for energy efficiency of underground building envelope thermal performance in different climate zones of China. <i>E3S Web of Conferences</i> , 2017, 22, 00156.	0.2	1
1583	The efficiency of the heat pump water heater, during DHW tapping cycle. <i>E3S Web of Conferences</i> , 2017, 19, 01014.	0.2	0
1584	Spatial Estimation and Visualization of CO2 Emissions for Campus Sustainability: The Case of King Abdullah University of Science and Technology (KAUST), Saudi Arabia. <i>Sustainability</i> , 2017, 9, 2124.	1.6	15
1585	Energy Performance Indicators in the Swedish Building Procurement Process. <i>Sustainability</i> , 2017, 9, 1877.	1.6	10
1586	A Hierarchical Learning System for Ambient Environmental Control of Open Plan Buildings. , 2017, , .		0
1587	Exploring Cross-Domain Data Dependencies for Smart Homes to Improve Energy Efficiency. , 2017, , .		3
1588	A Comparative Study of Energy Performance of Fumed Silica Vacuum Insulation Panels in an Apartment Building. <i>Energies</i> , 2017, 10, 2000.	1.6	12



#	ARTICLE	IF	CITATIONS
1589	Natural Ventilation in Vernacular Architecture of Sistan, Iran; Classification and CFD Study of Compound Rooms. Sustainability, 2017, 9, 1048.	1.6	22
1590	Effectiveness of using WiFi technologies to detect and predict building occupancy. Sustainable Buildings, 2017, 2, 7.	0.7	29
1591	Evaluation of City Prosperity Index in Iranian-Islamic Cities: A Case Study of Ahvaz Metropolis. Chinese Journal of Urban and Environmental Studies, 2017, 05, 1750025.	0.5	2
1592	A Fast Evaluation Method for Energy Building Consumption Based on the Design of Experiments. IOP Conference Series: Earth and Environmental Science, 2017, 83, 012025.	0.2	3
1593	A Data Analysis Technique to Estimate the Thermal Characteristics of a House. Energies, 2017, 10, 1358.	1.6	10
1594	Effect of highly reflective roofing sheet on building thermal loads for a school in Osaka. MATEC Web of Conferences, 2017, 119, 01056.	0.1	0
1595	Net-zero emission residential building in temperate weather condition. Renewable Energy and Environmental Sustainability, 2017, 2, 30.	0.7	2
1596	Implementation of 4D/BIM in the Iraqi construction industry. International Journal of Engineering Systems Modelling and Simulation, 2017, 9, 227.	0.2	1
1597	Short and medium-term forecasting of cooling and heating load demand in building environment with data-mining based approaches. Energy and Buildings, 2018, 166, 460-476.	3.1	96
1598	Performance evaluation of a photovoltaic thermal-compound thermoelectric ventilator system. Energy and Buildings, 2018, 167, 23-29.	3.1	27
1599	Energy and exergy analysis of an environmentally-friendly hybrid absorption/recompression refrigeration system. Energy Conversion and Management, 2018, 164, 59-69.	4.4	103
1600	Social Norms from a Goal-System Point of View: Contributions of Activity Analysis. Basic and Applied Social Psychology, 2018, 40, 73-86.	1.2	2
1601	An innovative apparatus for simulating daily temperature for investigating thermal performance of wallboards incorporating PCMs. Energy and Buildings, 2018, 167, 1-7.	3.1	18
1602	Incentive-Based Mechanism for Truthful Occupant Comfort Feedback in Human-in-the-Loop Building Thermal Management. IEEE Systems Journal, 2018, 12, 3725-3736.	2.9	15
1603	Case study of window operating behavior patterns in an open-plan office in the summer. Energy and Buildings, 2018, 165, 15-24.	3.1	36
1604	Evaluation of a large dish-type concentrator solar lighting system for underground car park. International Journal of Energy Research, 2018, 42, 2234-2245.	2.2	7
1605	Greening existing buildings [GEB] strategies. Energy Reports, 2018, 4, 159-206.	2.5	43
1606	Dynamic model for a novel liquid desiccant regeneration system operating in vacuum condition. Energy and Buildings, 2018, 167, 69-78.	3.1	10

#	ARTICLE	IF	CITATIONS
1607	What are the green technologies for sustainable housing development? An empirical study in Ghana. <i>Business Strategy and Development</i> , 2018, 1, 140-153.	2.2	15
1608	Design and construction of a non-linear model predictive controller for building's cooling system. <i>Building and Environment</i> , 2018, 133, 237-245.	3.0	16
1609	A global evaluation of discomfort glare metrics in real office spaces with presence of direct sunlight. <i>Energy and Buildings</i> , 2018, 166, 145-153.	3.1	20
1610	Methodological accounting tool for Climate and Energy Planning in a Norwegian municipality. <i>Journal of Cleaner Production</i> , 2018, 183, 772-785.	4.6	6
1611	On the fundamental heat and mass transfer analysis of the counter-flow dew point evaporative cooler. <i>Applied Energy</i> , 2018, 217, 126-142.	5.1	44
1612	Energy savings through implementation of a multi-state Time Control Program (TCP) in demand-controlled ventilation of commercial buildings. <i>Energy and Buildings</i> , 2018, 164, 33-47.	3.1	6
1613	Nonintrusive ultrasonic-based occupant identification for energy efficient smart building applications. <i>Applied Energy</i> , 2018, 220, 814-828.	5.1	12
1614	Educational tool for the learning of thermal comfort control based on PMV&PPD indices. <i>Computer Applications in Engineering Education</i> , 2018, 26, 906-917.	2.2	8
1615	Performance analysis of heat and energy recovery ventilators using exergy analysis and nonequilibrium thermodynamics. <i>Energy and Buildings</i> , 2018, 170, 195-205.	3.1	14
1616	Coordinate control of air movement for optimal thermal comfort. <i>Science and Technology for the Built Environment</i> , 2018, 24, 886-896.	0.8	10
1617	Robust modeling of heating and cooling loads using partial least squares towards efficient residential building design. <i>Journal of Building Engineering</i> , 2018, 18, 467-475.	1.6	20
1618	Emerging Thermal&Responsive Materials and Integrated Techniques Targeting the Energy&Efficient Smart Window Application. <i>Advanced Functional Materials</i> , 2018, 28, 1800113.	7.8	322
1619	Optimization of night mechanical ventilation strategy in summer for cooling energy saving based on inverse problem method. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2018, 232, 1093-1102.	0.8	12
1620	Pattern recognition in building energy performance over time using energy benchmarking data. <i>Applied Energy</i> , 2018, 221, 576-586.	5.1	57
1621	Improvements in the production of wood fiber insulation boards using hot-air/hot-steam process. <i>European Journal of Wood and Wood Products</i> , 2018, 76, 1233-1240.	1.3	14
1622	Building information modeling for energy retrofitting &quot; A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 89, 249-260.	8.2	118
1623	A state-space thermal model incorporating humidity and thermal comfort for model predictive control in buildings. <i>Energy and Buildings</i> , 2018, 170, 25-39.	3.1	88
1624	A review of perovskite solar cells with a focus on wire-shaped devices. <i>Renewable Energy Focus</i> , 2018, 25, 17-23.	2.2	9

#	ARTICLE	IF	CITATIONS
1625	Performance analysis of a solar-driven liquid desiccant cooling system with solution storage under adjustable recirculation ratio. <i>Solar Energy</i> , 2018, 172, 32-45.	2.9	24
1626	Experimental and numerical investigations of a new ventilation supply device based on confluent jets. <i>Building and Environment</i> , 2018, 137, 18-33.	3.0	21
1627	Numerical study of a regenerative counter flow evaporative cooler using alumina nanoparticles in wet channel. <i>Energy and Buildings</i> , 2018, 169, 430-443.	3.1	32
1628	Development of Abaca Fiber-reinforced Foamed Fly Ash Geopolymer. <i>MATEC Web of Conferences</i> , 2018, 156, 05018.	0.1	18
1629	Design of a novel nanocomposite with C-S-H@LA for thermal energy storage: A theoretical and experimental study. <i>Applied Energy</i> , 2018, 220, 395-407.	5.1	31
1630	Robust thin film composite PDMS/PAN hollow fiber membranes for water vapor removal from humid air and gases. <i>Separation and Purification Technology</i> , 2018, 202, 345-356.	3.9	68
1631	Air change rates at night in northeast Chinese homes. <i>Building and Environment</i> , 2018, 132, 273-281.	3.0	62
1632	Thermal conductivity measurement of thermal insulating mortars with EPS and silica aerogel by steady-state and transient methods. <i>Construction and Building Materials</i> , 2018, 172, 696-705.	3.2	66
1633	<i>Gladiolus dalenii</i> Based Bioinspired Structured Surface via Soft Lithography and Its Application in Water Vapor Condensation and Fog Harvesting. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6981-6993.	3.2	52
1634	Application of Phase Change Material (PCM) in Concrete for Thermal Energy Storage. , 2018, , 187-193.		2
1635	Preliminary study of natural zeolite from Bayah for solar powered cooling application. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 105, 012001.	0.2	2
1636	Experimental testing of a system for the energy-efficient sub-zonal heating management in indoor environments based on PMV. <i>Energy and Buildings</i> , 2018, 166, 229-238.	3.1	31
1637	Rooftop greenhouses in educational centers: A sustainability assessment of urban agriculture in compact cities. <i>Science of the Total Environment</i> , 2018, 626, 1319-1331.	3.9	41
1638	Life cycle energy analysis of a metro station building envelope through computer based simulation. <i>Sustainable Cities and Society</i> , 2018, 39, 135-143.	5.1	11
1639	A decision tool to balance indoor air quality and energy consumption: A case study. <i>Energy and Buildings</i> , 2018, 165, 246-258.	3.1	20
1640	Theoretical performance analysis of window air conditioner combined with evaporative cooling for better indoor thermal comfort and energy saving. <i>Journal of Building Engineering</i> , 2018, 17, 52-64.	1.6	30
1641	Leveraging advanced predictive analytics to assess commercial cooling load in the U.S.. <i>Sustainable Production and Consumption</i> , 2018, 14, 66-81.	5.7	17
1642	An integrated strength-calculation model for earth-based construction prepared by organic clay. <i>Applied Clay Science</i> , 2018, 155, 74-83.	2.6	3

#	ARTICLE	IF	CITATIONS
1643	Flexible electrochromic tungsten/titanium mixed oxide films synthesized onto flexible polyethylene terephthalate/indium tin oxide substrates via low temperature plasma polymerization. <i>Thin Solid Films</i> , 2018, 651, 56-66.	0.8	8
1644	A comprehensive overview on the data driven and large scale based approaches for forecasting of building energy demand: A review. <i>Energy and Buildings</i> , 2018, 165, 301-320.	3.1	212
1645	Coupling of earth-to-air heat exchangers and buoyancy for energy-efficient ventilation of buildings considering dynamic thermal behavior and cooling/heating capacity. <i>Energy</i> , 2018, 147, 587-602.	4.5	34
1646	Development of a novel mechanical micro-engraving method for the high-aspect-ratio microstructures of an advanced window system. <i>Microelectronic Engineering</i> , 2018, 191, 48-53.	1.1	2
1647	Modeling human activity in Spain for different economic sectors: The potential link between occupancy and energy usage. <i>Journal of Cleaner Production</i> , 2018, 183, 1093-1109.	4.6	7
1648	A calculation model for compressive strength of cleaner earth-based construction with a high-efficiency stabilizer and fly ash. <i>Journal of Cleaner Production</i> , 2018, 183, 292-303.	4.6	24
1649	Critical analysis of the condensation of water vapor at external surface of the duct. <i>Heat and Mass Transfer</i> , 2018, 54, 1937-1950.	1.2	10
1650	A Large Area Smart Window with Tunable Shading and Solar Thermal Harvesting Ability Based on Remote Switching of a Magneto Active Liquid. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700140.	2.7	18
1651	Big Data and Residential Energy Efficiency Evaluation. <i>Current Sustainable/Renewable Energy Reports</i> , 2018, 5, 67-75.	1.2	3
1652	Mitigating the Urban Heat Island effect through building envelope modifications. <i>Energy and Buildings</i> , 2018, 164, 266-277.	3.1	47
1653	Experimental investigation of the novel BIPV/T system employing micro-channel flat-plate heat pipes. <i>Building Services Engineering Research and Technology</i> , 2018, 39, 540-556.	0.9	11
1654	Effectiveness of the phase change material-based thermal energy storage integrated with the conventional cooling systems of the buildings – A review. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2018, 232, 735-766.	0.8	6
1655	Fuel Poverty Potential Risk Index in the context of climate change in Chile. <i>Energy Policy</i> , 2018, 113, 157-170.	4.2	40
1656	Assessment of existing buildings performance using system dynamics technique. <i>Applied Energy</i> , 2018, 211, 1308-1323.	5.1	15
1657	Cooling Performance and Indoor Air Quality Characteristics of an Earth Air Tunnel Cooled Building. <i>Mapan - Journal of Metrology Society of India</i> , 2018, 33, 147-158.	1.0	0
1658	Liquid metal gallium laden organic phase change material for energy storage: An experimental study. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 2469-2483.	3.8	22
1659	Geocooling with integrated PCM thermal energy storage in a commercial building. <i>Energy</i> , 2018, 144, 865-876.	4.5	37
1660	Predictive modeling for US commercial building energy use: A comparison of existing statistical and machine learning algorithms using CBECS microdata. <i>Energy and Buildings</i> , 2018, 163, 34-43.	3.1	148

#	ARTICLE	IF	CITATIONS
1661	Thermal Performance Evaluation of Textile Waste as an Alternative Solution for Heat Transfer Reduction in Buildings. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2018, 140, .	1.1	16
1662	Which activities contribute most to building energy consumption in China? A hybrid LMDI decomposition analysis from year 2007 to 2015. <i>Energy and Buildings</i> , 2018, 165, 259-269.	3.1	57
1663	Dynamic modelling and simulation of a slinky-coil horizontal ground heat exchanger using Modelica. <i>Journal of Building Engineering</i> , 2018, 16, 159-168.	1.6	35
1664	Start-up behaviour of a combined air-conditioning system in cooling and heating operating modes. <i>Energy and Buildings</i> , 2018, 158, 1346-1357.	3.1	3
1665	The thermophysical behaviour of cork supports doped with an innovative thermal insulation and protective coating: A numerical analysis based on in situ experimental data. <i>Energy and Buildings</i> , 2018, 159, 508-528.	3.1	17
1666	Parametric analysis of design stage building energy performance simulation models. <i>Energy and Buildings</i> , 2018, 172, 78-93.	3.1	36
1667	State-of-art in modelling methods of membrane-based liquid desiccant heat and mass exchanger: A comprehensive review. <i>International Journal of Heat and Mass Transfer</i> , 2018, 125, 445-470.	2.5	46
1668	Optimising energy use in an existing commercial building: a case study of Australia's Reef HQ Aquarium. <i>Energy Efficiency</i> , 2018, 11, 147-168.	1.3	5
1669	Selecting design strategies using multi-criteria decision making to improve the sustainability of buildings. <i>Building and Environment</i> , 2018, 139, 58-68.	3.0	99
1670	A building energy demand and urban land surface model. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2018, 144, 1572-1590.	1.0	13
1671	Overview of solar technologies for electricity, heating and cooling production. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 892-909.	8.2	75
1672	Environmental considerations in the Swedish building and construction industry: the role of costs, institutional setting, and information. <i>Journal of Housing and the Built Environment</i> , 2018, 33, 615-632.	0.9	9
1673	Analysis of the impact of simulation model simplifications on the quality of low-energy buildings simulation results. <i>Energy and Buildings</i> , 2018, 169, 141-147.	3.1	16
1674	Towards the development of a net-zero energy district evaluation approach: A review of sustainable approaches and assessment tools. <i>Sustainable Cities and Society</i> , 2018, 39, 784-800.	5.1	60
1675	Taxonomy for BIM and Asset Management Semantic Interoperability. <i>Journal of Management in Engineering - ASCE</i> , 2018, 34, .	2.6	57
1676	Validation of dynamic building energy simulation tools based on a real test-box with thermally activated building systems (TABS). <i>Energy and Buildings</i> , 2018, 168, 42-55.	3.1	48
1677	Uncertainty quantification for modeling night-time ventilation in Stanford's Y2E2 building. <i>Energy and Buildings</i> , 2018, 168, 319-330.	3.1	9
1678	A decade analysis of residential LEED buildings market share in the United States: Trends for transitioning sustainable societies. <i>Sustainable Cities and Society</i> , 2018, 39, 568-577.	5.1	8

#	ARTICLE	IF	CITATIONS
1679	Fabrication of $\text{CaCl}_2 \cdot 6\text{H}_2\text{O}/\text{Na}_2\text{SiO}_3 \cdot 9\text{H}_2\text{O}$ composite phase change material for floor heating system. <i>Materials Research Express</i> , 2018, 5, 065524.	0.8	7
1680	Review of solar irradiance and daylight illuminance modeling and sky classification. <i>Renewable Energy</i> , 2018, 126, 445-453.	4.3	47
1681	A novel Variable Refrigerant Flow (VRF) heat recovery system model: Development and validation. <i>Energy and Buildings</i> , 2018, 168, 399-412.	3.1	34
1682	Advanced personal comfort system (APCS) for the workplace: A review and case study. <i>Energy and Buildings</i> , 2018, 173, 689-709.	3.1	55
1683	Teardown Index: Impact of property values on carbon dioxide emissions of single family housing in Vancouver. <i>Energy and Buildings</i> , 2018, 170, 95-106.	3.1	10
1684	Techno-economic analysis of a hybrid solar PV-grid powered air-conditioner for daytime office use in hot humid climates – A case study in Kumasi city, Ghana. <i>Solar Energy</i> , 2018, 165, 65-74.	2.9	46
1685	Building electric energy prediction modeling for BEMS using easily obtainable weather factors with Kriging model and data mining. <i>Building Simulation</i> , 2018, 11, 739-751.	3.0	10
1686	Optimal control strategy of central air-conditioning systems of buildings at morning start period for enhanced energy efficiency and peak demand limiting. <i>Energy</i> , 2018, 151, 771-781.	4.5	47
1687	Optimized design of low-rise commercial buildings under various climates – Energy performance and passive cooling strategies. <i>Building and Environment</i> , 2018, 132, 83-95.	3.0	58
1688	Impact of solar energy on the energy balance of attic rooms in high latitude countries. <i>Applied Thermal Engineering</i> , 2018, 136, 548-559.	3.0	13
1689	Scaling-up low-carbon urban initiatives: Towards a better understanding. <i>Urban Studies</i> , 2018, 55, 175-194.	2.2	47
1690	Single Point Conducted EMI Sensor With Intelligent Inference for Detecting IT Appliances. <i>IEEE Transactions on Smart Grid</i> , 2018, 9, 3716-3726.	6.2	5
1691	Exploring an integrated urban carbon dioxide (CO <sub>2</sub> ) emission model and mitigation plan for new cities. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2018, 45, 821-841.	1.0	2
1692	Numerical estimation and sensitivity analysis of the energy demand for six industrial buildings in France. <i>Journal of Building Performance Simulation</i> , 2018, 11, 223-240.	1.0	12
1693	Deep Sparse Coding for Non-Intrusive Load Monitoring. <i>IEEE Transactions on Smart Grid</i> , 2018, 9, 4669-4678.	6.2	108
1694	Improving office building energy-efficiency ratings using a smart-engineering computer-simulation approach: an Australian case study. <i>Advances in Building Energy Research</i> , 2018, 12, 217-234.	1.1	3
1695	Validated air handling unit model using indirect evaporative cooling. <i>Journal of Building Performance Simulation</i> , 2018, 11, 48-64.	1.0	9
1696	Degree-day building energy reference map for South Africa. <i>Building Research and Information</i> , 2018, 46, 191-206.	2.0	6

#	ARTICLE	IF	CITATIONS
1697	Estimating heating load in buildings using multivariate adaptive regression splines, extreme learning machine, a hybrid model of MARS and ELM. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 4256-4268.	8.2	102
1698	A review of domestic hot water consumption profiles for application in systems and buildings energy performance analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 1530-1547.	8.2	197
1699	Performance study of a grid-connected photovoltaic powered central air conditioner in the South China climate. <i>Renewable Energy</i> , 2018, 126, 1113-1125.	4.3	26
1700	A Semi-blind Model with Parameter Identification for Building Temperature Estimation. <i>Cognitive Computation</i> , 2018, 10, 105-116.	3.6	2
1701	Energy-saving potential of a radiant cooling system in different climate zones of India. <i>Science and Technology for the Built Environment</i> , 2018, 24, 356-370.	0.8	11
1702	Techno-economic review of solar heat pump systems for residential heating applications. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 22-32.	8.2	106
1703	A comprehensive review of solar thermoelectric cooling systems. <i>International Journal of Energy Research</i> , 2018, 42, 395-415.	2.2	64
1704	Estimating the energy-saving potential in national building stocks – A methodology review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 1489-1496.	8.2	71
1705	Detection of crystallization fouling in a liquid-to-air membrane energy exchanger. <i>Experimental Thermal and Fluid Science</i> , 2018, 92, 33-45.	1.5	12
1706	Secure Data Sharing and Analysis in Cloud-Based Energy Management Systems. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018, , 228-242.	0.2	6
1707	Parametric analysis of a cross-flow membrane-based parallel-plate liquid desiccant dehumidification system: Numerical and experimental data. <i>Energy and Buildings</i> , 2018, 158, 494-508.	3.1	44
1708	Probabilistic energy consumption analysis in buildings using point estimate method. <i>Energy</i> , 2018, 142, 716-722.	4.5	31
1709	Urban form and household electricity consumption: A multilevel study. <i>Energy and Buildings</i> , 2018, 158, 181-193.	3.1	74
1710	Real-time human skin temperature analysis using thermal image recognition for thermal comfort assessment. <i>Energy and Buildings</i> , 2018, 158, 1063-1078.	3.1	75
1711	Monitoring energy efficiency of condensing boilers via hybrid first-principle modelling and estimation. <i>Energy</i> , 2018, 142, 121-129.	4.5	29
1712	Investigation on solar assisted liquid desiccant dehumidifier and evaporative cooling system for fresh air treatment. <i>Energy</i> , 2018, 143, 114-127.	4.5	58
1713	Effect of the placement of aerogel insulation in the heat transfer properties. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 133, 321-327.	2.0	9
1714	Exergy and exergo-economic analysis and optimization of a solar double pressure organic Rankine cycle. <i>Thermal Science and Engineering Progress</i> , 2018, 6, 72-86.	1.3	62

#	ARTICLE	IF	CITATIONS
1715	Generation of BIM data based on the automatic detection, identification and localization of lamps in buildings. <i>Sustainable Cities and Society</i> , 2018, 36, 59-70.	5.1	13
1716	Experimental investigation of double-pipe heat exchangers in air conditioning applications. <i>Energy and Buildings</i> , 2018, 158, 801-811.	3.1	39
1717	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> , 2018, 174, 499-508.	3.0	34
1718	A review of data-driven approaches for prediction and classification of building energy consumption. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 1027-1047.	8.2	488
1719	Bismuth titanate as an infrared reflective pigment for cool roof coating. <i>Solar Energy Materials and Solar Cells</i> , 2018, 174, 530-537.	3.0	79
1720	Experimental evaluation of a solid desiccant system integrated with cross flow Maisotsenko cycle evaporative cooler. <i>Applied Thermal Engineering</i> , 2018, 128, 1476-1487.	3.0	79
1721	Influence of rubber ball on-line cleaning device on chiller performance. <i>Applied Thermal Engineering</i> , 2018, 128, 1488-1493.	3.0	5
1722	A review of energy simulation tools for the manufacturing sector. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 895-911.	8.2	93
1723	On the impact of innovative materials on outdoor thermal comfort of pedestrians in historical urban canyons. <i>Renewable Energy</i> , 2018, 118, 825-839.	4.3	81
1724	Changes of heating and cooling degree-days in Europe from 1981 to 2100. <i>International Journal of Climatology</i> , 2018, 38, e191.	1.5	123
1725	Personal comfort models: Predicting individuals' thermal preference using occupant heating and cooling behavior and machine learning. <i>Building and Environment</i> , 2018, 129, 96-106.	3.0	303
1726	A direct load control strategy of centralized air-conditioning systems for building fast demand response to urgent requests of smart grids. <i>Automation in Construction</i> , 2018, 87, 74-83.	4.8	56
1727	Modeling techniques used in building HVAC control systems: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 83, 64-84.	8.2	232
1728	Household energy elasticities and policy implications for Pakistan. <i>Energy Policy</i> , 2018, 113, 633-642.	4.2	24
1729	Analysis of application of the M-Cycle heat and mass exchanger to the typical air conditioning systems in Poland. <i>Energy and Buildings</i> , 2018, 158, 873-883.	3.1	9
1730	Implementation of cooperative Fuzzy model predictive control for an energy-efficient office building. <i>Energy and Buildings</i> , 2018, 158, 1404-1416.	3.1	32
1731	Estimation of construction and demolition waste in building energy efficiency retrofitting works of the vertical envelope. <i>Journal of Cleaner Production</i> , 2018, 172, 2978-2985.	4.6	25
1732	Gigawatt-hour scale savings on a budget of zero: Deep reinforcement learning based optimal control of hot water systems. <i>Energy</i> , 2018, 144, 159-168.	4.5	69



#	ARTICLE	IF	CITATIONS
1734	Thermal conductivity of insulations approached from a new aspect. Journal of Thermal Analysis and Calorimetry, 2018, 133, 329-335.	2.0	18
1735	Critical review of latent heat storage systems for free cooling in buildings. Renewable and Sustainable Energy Reviews, 2018, 82, 2843-2868.	8.2	153
1736	Unsupervised data analytics in mining big building operational data for energy efficiency enhancement: A review. Energy and Buildings, 2018, 159, 296-308.	3.1	146
1737	An integrated predictive model of the long-term performance of ground source heat pump (GSHP) systems. Energy and Buildings, 2018, 159, 309-318.	3.1	53
1738	A case of sustainable intensification: Stochastic farm budget optimization considering internal economic benefits of biogas production in organic agriculture. Agricultural Systems, 2018, 159, 78-92.	3.2	13
1739	CO2 based ventilation control in energy retrofit: An experimental assessment. Energy, 2018, 143, 606-614.	4.5	40
1740	Thermal and exergetic performance evaluation of an absorption type desiccant dehumidifier. Environmental Progress and Sustainable Energy, 2018, 37, 1411-1423.	1.3	3
1741	Mixed-mode ventilation and air conditioning as alternative for energy savings: a case study in Beirut current and future climate. Energy Efficiency, 2018, 11, 13-30.	1.3	29
1742	The reliability of inverse modelling for the wide scale characterization of the thermal properties of buildings. Journal of Building Performance Simulation, 2018, 11, 65-83.	1.0	8
1743	Singular Perturbation Method for Smart Building Temperature Control Using Occupant Feedback. Asian Journal of Control, 2018, 20, 386-402.	1.9	16
1744	Economic analysis of the energy consumption of a vending machine in a Mexican university building. Electrical Engineering, 2018, 100, 1509-1515.	1.2	1
1745	Determination of Optimum Insulation Thickness for Different Cities of Pakistan. , 2018, , .		0
1746	Effect of mechanical processing on thermal and mechanical properties of fibrous fumed alumina compacts. Journal of Asian Ceramic Societies, 2018, 6, 156-161.	1.0	7
1747	A generic user interface for energy management in smart homes. Energy Informatics, 2018, 1, .	1.4	10
1748	525Correlation of left atrial low voltage and fractionation substrate between sinus rhythm and atrial fibrillation: high density mapping study in persistent AF. Europace, 2018, 20, i100-i101.	0.7	0
1749	Modeling of Building Energy Consumption for Accommodation Buildings (Lodging Sector) in Japan Case Study. Applied System Innovation, 2018, 1, 39.	2.7	2
1750	Frosting Performance of a Nanoporous Hydrophilic Aluminum Surface. Energies, 2018, 11, 3483.	1.6	6
1751	Simplified methodology to estimate the emissivity for roof covers. E3S Web of Conferences, 2018, 70, 01021.	0.2	1

#	ARTICLE	IF	CITATIONS
1752	Heat island effect on outdoor meteorological parameters for building energy-saving design in a large city in Northern China. <i>International Journal of Global Warming</i> , 2018, 14, 224.	0.2	1
1753	An IoT sensor network to model occupancy profiles for energy usage simulation tools. , 2018, , .		1
1754	A University Building Test Case for Occupancy-Based Building Automation. <i>Energies</i> , 2018, 11, 3145.	1.6	5
1755	Deep Highway Networks and Tree-Based Ensemble for Predicting Short-Term Building Energy Consumption. <i>Energies</i> , 2018, 11, 3408.	1.6	20
1756	Thermal and durability performances of mortar and concrete containing phase change materials. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 431, 062001.	0.3	4
1757	Conceptual Design of a Collective Energy-Efficient Physiologically-Controlled System for Thermal Comfort Delivery in an Office Environment. <i>SICE Journal of Control Measurement and System Integration</i> , 2018, 11, 312-320.	0.4	3
1758	Non-Intrusive Load Monitoring: an Architecture and its evaluation for Power Electronics loads. , 2018, , .		4
1759	Distributed Sensor Fault Accommodation of Multi-Zone HVAC Systems. , 2018, , .		4
1760	A Building Energy Consumption Prediction Method Based on Random Forest and ARMA. , 2018, , .		2
1761	Wakala buildings of Mamluk era in Cairo, Egypt and how far they meet the rating criteria of LEED V4. <i>AEJ - Alexandria Engineering Journal</i> , 2018, 57, 3793-3803.	3.4	3
1762	Load Forecasting for a Campus University Using Ensemble Methods Based on Regression Trees. <i>Energies</i> , 2018, 11, 2038.	1.6	41
1763	An IoT-based automation system for older homes: a use case for lighting system. , 2018, , .		29
1764	Building Integrated Shading and Building Applied Photovoltaic System Assessment in the Energy Performance and Thermal Comfort of Office Buildings. <i>Sustainability</i> , 2018, 10, 4670.	1.6	18
1765	Partial cloud-based evolving method for fault detection of HVAC system. , 2018, , .		1
1766	Challenges for sustainable development strategies in oil and gas industries. <i>Proceedings of the International Conference on Business Excellence</i> , 2018, 12, 626-638.	0.1	24
1767	The Zero Energy Ambition in Districtsâ€™ Planning : The Case study of Leuze in Belgium. , 2018, , .		0
1768	Energy Diagnosis of University Buildings: Renewable Energy Institute from UNAM. <i>Buildings</i> , 2018, 8, 136.	1.4	3
1769	Case Study of An Energy-Saving Game for Public Buildings. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
1770	Predicting the Need for Energy Efficiency Upgrades of Residential Buildings through Data-Driven Modeling. , 2018, , .		1
1771	Research on Interfacing Circuits Based on Bistable Piezoelectric Energy Harvester. , 2018, , .		1
1772	Humans-in-the-loop: A Game-Theoretic Perspective on Adaptive Building Energy Systems. , 2018, , .		3
1773	Concurrent Design of Feedforward and Feedback Controller for Building Thermal System. , 2018, , .		2
1774	OpenZmeter: An Efficient Low-Cost Energy Smart Meter and Power Quality Analyzer. Sustainability, 2018, 10, 4038.	1.6	48
1775	Analysis of Embodied Energy of High-Rise Office Buildings in Hong Kong. , 2018, , .		1
1776	Preparation and hygrothermal performance of composite phase change material wallboard with humidity control based on expanded perlite/diatomite/paraffin. Journal of Central South University, 2018, 25, 2387-2398.	1.2	14
1777	Economic Impact of CO2 Mitigation Devices in Sustainable Buildings. , 2018, , .		0
1778	A Study of Local Environment of Harran Historical Domed Houses in Terms of Environmental Sustainability. Journal of Asian Scientific Research, 2018, 8, 211-220.	0.0	6
1779	Study of Operative Temperature Using the Novel Detail Approach in Determining Mean Radiant Temperature “ Comparison Between Wall-Mounted Convectector and Conventional Radiator. Transactions of Famena, 2018, 42, 27-38.	0.3	2
1780	The Impact of the Climate Model Details on the Accuracy of Power Consumption Calculation of Air Conditioning Units. IOP Conference Series: Materials Science and Engineering, 2018, 463, 022065.	0.3	6
1781	Numerical Approach for the Design of Cost-Effective Renovation of Heating System Control in Buildings. , 2018, , .		0
1782	Evaluating and Improving the Energy Performance of School Buildings with a Proposed Real-Time Monitoring System. , 2018, , .		0
1783	A Review on Building Energy Efficiency Techniques. International Journal of Engineering and Technology(UAE), 2018, 7, 35.	0.2	4
1784	Accomplishing Approximately Zero Energy Buildings with Battery Storage Using FLANN Optimization. , 2018, , .		2
1785	Smart Thermostats for Home Automation Systems and Energy Savings from Smart Thermostats. , 2018, , .		5
1786	Simulation & Emulation platform for smart grid technologies. , 2018, , .		3
1787	Optimization for Commercial Building Energy Management of Multi-Energy Fusion. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
1788	Control of Bidirectional Grid-Forming Inverter for Nearly Zero Energy Buildings. , 2018, , .		0
1789	Managing Campus Energy: Compromising between Rapid Needs and Environmental Requirement. E3S Web of Conferences, 2018, 31, 01003.	0.2	6
1790	Influence of Courtyard Ventilation on Thermal Performance of Office Building in Hot-Humid Climate: A Case Study. E3S Web of Conferences, 2018, 34, 02053.	0.2	2
1791	Distributed Design of Sensor Fault-Tolerant Control for Preserving Comfortable Indoor Conditions in Buildings. IFAC-PapersOnLine, 2018, 51, 688-695.	0.5	4
1792	A Refinement of Lasso Regression Applied to Temperature Forecasting. Procedia Computer Science, 2018, 130, 728-735.	1.2	21
1793	Towards an Intelligent Approach for Ventilation Systems Control using IoT and Big Data Technologies. Procedia Computer Science, 2018, 130, 926-931.	1.2	14
1794	Data Driven Quantification of the Temporal Scope of Building LCAs. Procedia CIRP, 2018, 69, 224-229.	1.0	15
1795	Seismic Retrofit Measures for Masonry Walls of Historical Buildings, from an Energy Saving Perspective. Sustainability, 2018, 10, 984.	1.6	11
1796	Experimental Study on the All-fresh-air Handling Unit with Exhaust Air Energy Recovery. Energy Procedia, 2018, 152, 431-437.	1.8	10
1797	Defining Energy Cost for Air Conditioning Based on the Inside Room Temperature. , 2018, , .		0
1798	The Internet of Things as a Facilitator of Smart Building Services. , 2018, , .		8
1799	Fault Detection and Diagnostics in Ventilation Units Using Linear Regression Virtual Sensors. , 2018, , .		2
1800	Advanced Statistical Models for Modeling Hot Water Consumption Using a Connected Boiler. , 2018, , .		2
1801	Non-Intrusive Load Monitoring: A Multi-Agent Architecture and Results. , 2018, , .		1
1802	On the Evolution and Application of the Thermal Network Method for Energy Assessments in Buildings. Energies, 2018, 11, 890.	1.6	21
1803	A Simple Wireless Sensor Node System for Electricity Monitoring Applications: Design, Integration, and Testing with Different Piezoelectric Energy Harvesters. Sensors, 2018, 18, 3733.	2.1	9
1804	Rheological behaviour of functionalized graphene nanoplatelet nanofluids based on water and propylene glycol:water mixtures. International Communications in Heat and Mass Transfer, 2018, 99, 43-53.	2.9	41
1805	Assessment of thermal behaviour of thermo-active diaphragm walls based on monitoring data. Journal of Rock Mechanics and Geotechnical Engineering, 2018, 10, 1145-1153.	3.7	24

#	ARTICLE	IF	CITATIONS
1806	Commissioning of the Controlled and Automatized Testing Facility for Human Behavior and Control (CASITA). Sensors, 2018, 18, 2829.	2.1	8
1807	Energy-based decision engine for household human activity recognition. , 2018, , .		3
1808	EMPOWERING, a Smart Big Data Framework for Sustainable Electricity Suppliers. IEEE Access, 2018, 6, 71132-71142.	2.6	7
1809	Disaggregating solar generation behind individual meters in real time. , 2018, , .		39
1810	Experimental characterization of an n-pentane oscillating heat pipe for waste heat recovery in ventilation systems. Heliyon, 2018, 4, e00922.	1.4	18
1811	Quantitative analysis of sustainable housing energy systems based on Estidama pearl rating system. International Journal of Green Energy, 2018, 15, 905-917.	2.1	10
1812	Demand Side Management of Grid-Tied Hybrid Photovoltaic-Diesel-Battery Energy System for a University Engineering Building. , 2018, , .		2
1813	Microclimatic data collection multisensor system for design of energy model in residential buildings. , 2018, , .		7
1814	Policy Recommendations to Induce Behavioural Changes through Interactive Energy Visualisation. , 2018, , .		1
1815	An experimental study on using polyethylene glycol (PEG) 600 as phase change material for thermal comfort and energy saving in buildings. , 2018, , .		10
1816	Automating occupant-building interaction via smart zoning of thermostatic loads: A switched self-tuning approach. Applied Energy, 2018, 231, 1246-1258.	5.1	79
1817	A Small-Scale Prototype for the Optimization of PV Generation and Battery Storage through the Use of a Building Energy Management System. , 2018, , .		23
1818	Intelligent building, definitions, factors and evaluation criteria of selection. AEJ - Alexandria Engineering Journal, 2018, 57, 2903-2910.	3.4	58
1819	Adverse condition and critical event prediction in commercial buildings: Danish case study. Energy Informatics, 2018, 1, .	1.4	1
1820	Design framework for variable refrigerant flow systems with enhancement of interoperability between BIM and energy simulation. Journal of Mechanical Science and Technology, 2018, 32, 6009-6019.	0.7	9
1821	Intelligent Systems for Building Energy and Occupant Comfort Optimization: A State of the Art Review and Recommendations. Energies, 2018, 11, 2604.	1.6	44
1822	Characterization of the Evolution of Crystallization Fouling in Membranes. ACS Omega, 2018, 3, 17188-17198.	1.6	16
1823	Research on multi-objective function optimization of self insulation hollow block structure based on genetic algorithm. IOP Conference Series: Earth and Environmental Science, 0, 189, 022077.	0.2	2

#	ARTICLE	IF	CITATIONS
1824	Economic Multiple Model Predictive Control for HVAC Systems – A Case Study for a Food Manufacturer in Germany. <i>Energies</i> , 2018, 11, 3461.	1.6	7
1825	An innovative system for the acquisition and analysis of energy and utilities consumption data dedicated to smart energy cities. <i>E3S Web of Conferences</i> , 2018, 45, 00106.	0.2	0
1826	The Model of HVAC's Control Technique Based on Occupancy in Smart Building for Energy Saving. , 2018, , .		0
1827	Off-Design Modeling and Simulation of Solar Absorption-Subcooled Compression Hybrid Cooling System. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2612.	1.3	12
1828	Receding horizon heat flow control in domestic buildings - Yesterday-based disturbance predictions. , 2018, , .		1
1829	Performance analysis of different configurations of heating and cooling for a multi-zone building. <i>International Journal of Renewable Energy Technology</i> , 2018, 9, 337.	0.2	1
1830	A Method for Fault Detection and Diagnostics in Ventilation Units Using Virtual Sensors. <i>Sensors</i> , 2018, 18, 3931.	2.1	38
1831	Energy Demand Patterns in an Office Building: A Case Study in Kraków (Southern Poland). <i>Sustainability</i> , 2018, 10, 2901.	1.6	12
1832	A Framework of Industrialized Building Assessment in China Based on the Structural Equation Model. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1687.	1.2	14
1833	Uncertainty quantification and sensitivity analysis of the domestic hot water usage in hotels. <i>Applied Energy</i> , 2018, 232, 424-442.	5.1	51
1834	Evaluation of CO2 emissions from railway resurfacing maintenance activities. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 65, 458-465.	3.2	22
1835	Large-Size Transparent Wood for Energy-Saving Building Applications. <i>ChemSusChem</i> , 2018, 11, 4086-4093.	3.6	80
1836	Theoretical models for wall solar chimney under cooling and heating modes considering room configuration. <i>Energy</i> , 2018, 165, 925-938.	4.5	55
1837	Liquid-Vapor Phase-Change Heat Transfer on Functionalized Nanowired Surfaces and Beyond. <i>Joule</i> , 2018, 2, 2307-2347.	11.7	164
1838	Metal-organic framework MIL-100(Fe) as a novel moisture buffer material for energy-efficient indoor humidity control. <i>Building and Environment</i> , 2018, 145, 234-242.	3.0	52
1839	Performance evaluation of a top lighting light-pipe in buildings and estimating energy saving potential. <i>Energy and Buildings</i> , 2018, 179, 57-72.	3.1	33
1840	Experimental investigation of the hygrothermal performance of a new biocomposite material at wall scale. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
1841	The formation of multi-steady-states of buoyancy ventilation in underground building. <i>Tunnelling and Underground Space Technology</i> , 2018, 82, 613-626.	3.0	21

#	ARTICLE	IF	CITATIONS
1842	Performance investigation and economic benefits of new control strategies for heat pump-gas fired water heater hybrid system. <i>Applied Energy</i> , 2018, 232, 101-118.	5.1	18
1843	Modeling, Analysis, and Design of a Fuzzy Logic Controller for an AHU in the S.J. Carew Building at Memorial University. <i>Journal of Energy</i> , 2018, 2018, 1-11.	1.4	13
1844	A Preliminary Review of Building Informatics for Sustainable Energy Management. <i>Journal of Physics: Conference Series</i> , 2018, 1019, 012032.	0.3	1
1845	Performance of a natural ventilation system with heat recovery in UK classrooms: An experimental study. <i>Energy and Buildings</i> , 2018, 179, 278-291.	3.1	20
1846	The role of household level electricity data in improving estimates of the impacts of climate on building electricity use. <i>Energy and Buildings</i> , 2018, 180, 146-158.	3.1	27
1847	Forecasting energy consumption time series using machine learning techniques based on usage patterns of residential householders. <i>Energy</i> , 2018, 165, 709-726.	4.5	149
1848	Vapour absorption enhancement using passive techniques for absorption cooling/heating technologies: A review. <i>Applied Energy</i> , 2018, 231, 826-853.	5.1	34
1849	Dataset on the patterns of electricity consumption in public universities in southwestern Nigeria. <i>Data in Brief</i> , 2018, 21, 1-7.	0.5	6
1850	Non-intrusive occupancy monitoring for energy conservation in commercial buildings. <i>Energy and Buildings</i> , 2018, 179, 311-323.	3.1	29
1851	Comparison of dynamic urban building energy models (UBEM): Sigmoid energy signature and physical modelling approach. <i>Energy and Buildings</i> , 2018, 179, 333-343.	3.1	37
1852	SCiBER. , 2018, , .		7
1853	Optimal and near-optimal indoor temperature and humidity controls for direct load control and proactive building demand response towards smart grids. <i>Automation in Construction</i> , 2018, 96, 250-261.	4.8	20
1854	A Quantitative Method for Prediction of Environmental Aspects in Construction Sites of Residential Buildings. <i>Sustainability</i> , 2018, 10, 1870.	1.6	9
1855	Analysis of Heating Energy Reduction of Wooden-based Korean Hanok Using Passive Houses Planning Package (PHPP). <i>BioResources</i> , 2018, 13, .	0.5	1
1856	Thermal Performance Analysis of an Absorption Cooling System Based on Parabolic Trough Solar Collectors. <i>Energies</i> , 2018, 11, 2679.	1.6	18
1857	End Use Level Water and Energy Interactions: A Large Non-Residential Building Case Study. <i>Water (Switzerland)</i> , 2018, 10, 810.	1.2	7
1858	Wearable Polyethylene/Polyamide Composite Fabric for Passive Human Body Cooling. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 41637-41644.	4.0	65
1859	Stepwise calibration for residential building thermal performance model using hourly heat consumption data. <i>Energy and Buildings</i> , 2018, 181, 10-25.	3.1	29

#	ARTICLE	IF	CITATIONS
1860	Application of a Geographical Information System to Plan Energy Policy at a Neighborhood Scale. , 2018, , .		2
1861	A Dynamic Model for Indoor Temperature Prediction in Buildings. <i>Energies</i> , 2018, 11, 1477.	1.6	36
1862	Universities as Models of Sustainable Energy-Consuming Communities? Review of Selected Literature. <i>Sustainability</i> , 2018, 10, 3250.	1.6	21
1863	Energy Efficiency and Tracking Performance Evaluation for Dual-Mode Model Predictive Control of HVAC Systems. <i>Journal of Thermal Science and Engineering Applications</i> , 2018, 10, .	0.8	3
1864	On the exergy analysis of the counter-flow dew point evaporative cooler. <i>Energy</i> , 2018, 165, 958-971.	4.5	40
1865	A Prediction Methodology of Energy Consumption Based on Deep Extreme Learning Machine and Comparative Analysis in Residential Buildings. <i>Electronics (Switzerland)</i> , 2018, 7, 222.	1.8	88
1866	Three-Dimensional Visualization Solution to Building-Energy Diagnosis for Energy Feedback. <i>Energies</i> , 2018, 11, 1736.	1.6	9
1867	Are Mental Biases Responsible for the Perceived Comfort Advantage in "Green" Buildings?. <i>Buildings</i> , 2018, 8, 20.	1.4	4
1868	Adaptive Comfort Models Applied to Existing Dwellings in Mediterranean Climate Considering Global Warming. <i>Sustainability</i> , 2018, 10, 3507.	1.6	17
1869	Synthesis of polypropylene functionalized with a trace amount of reactive functional groups and its utilization in graft-type nanocomposites. <i>Polymer</i> , 2018, 158, 46-52.	1.8	9
1870	VO <sub>2</sub> @SiO <sub>2</sub> /Poly(N-isopropylacrylamide) Hybrid Nanothermochromic Microgels for Smart Window. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 12801-12808.	1.8	33
1871	Development of calcium silicate-coated expanded clay based form-stable phase change materials for enhancing thermal and mechanical properties of cement-based composite. <i>Solar Energy</i> , 2018, 174, 24-34.	2.9	29
1872	Optimization of cultural conditions for lipid accumulation by <i>Aspergillus wentii</i> Ras101 and its transesterification to biodiesel: application of response surface methodology. <i>3 Biotech</i> , 2018, 8, 417.	1.1	12
1873	Energy performance optimization in buildings: A review on semantic interoperability, fault detection, and predictive control. <i>Applied Physics Reviews</i> , 2018, 5, .	5.5	35
1874	Understanding spatio-temporal electricity demand at different urban scales: A data-driven approach. <i>Applied Energy</i> , 2018, 230, 1157-1171.	5.1	26
1875	A flexible control strategy for energy and comfort aware HVAC in large buildings. <i>Building and Environment</i> , 2018, 145, 330-342.	3.0	30
1876	Life Cycle Thinking-Based Selection of Building Facades. <i>Journal of Architectural Engineering</i> , 2018, 24, .	0.8	16
1877	On the use of a novel nanoporous polyethylene (nanoPE) passive cooling material for personal thermal comfort management under uniform indoor environments. <i>Building and Environment</i> , 2018, 145, 85-95.	3.0	38



#	ARTICLE	IF	CITATIONS
1878	Environmental and Economic Performance of Asphalt Shingle and Clay Tile Roofing Sheets Using Life Cycle Assessment Approach and TOPSIS. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	2.0	13
1879	Generalized Vision-Based Detection, Identification and Pose Estimation of Lamps for BIM Integration. Sensors, 2018, 18, 2364.	2.1	9
1880	The comparison of some advanced control methods for energy optimization and comfort management in buildings. Sustainable Cities and Society, 2018, 43, 601-623.	5.1	26
1881	Comparative Performance of Semi-Transparent PV Modules and Electrochromic Windows for Improving Energy Efficiency in Buildings. Energies, 2018, 11, 1526.	1.6	26
1882	Thermal Performance Study of a Water Tank for a Solar System With a Fresnel Lens. Journal of Solar Energy Engineering, Transactions of the ASME, 2018, 140, .	1.1	4
1883	Prediction-Learning Algorithm for Efficient Energy Consumption in Smart Buildings Based on Particle Regeneration and Velocity Boost in Particle Swarm Optimization Neural Networks. Energies, 2018, 11, 1289.	1.6	31
1884	Energy-Independent Architectural Models for Residential Complex Plans through Solar Energy in Daegu Metropolitan City, South Korea. Sustainability, 2018, 10, 482.	1.6	4
1885	Model Predictive Control of Building On/Off HVAC Systems to Compensate Fluctuations in Solar Power Generation. , 2018, , .		13
1886	Real World Deployment of a Data Driven Cloud Based Cooling Solution for HVAC Control in Commercial Buildings. , 2018, , .		1
1887	Enabling Better Thermal Management of Indoor Spaces through Adaptive Zonal Heat Transfer. , 2018, , .		1
1888	Use of ANN in Energy Consumption studies in Buildings: A Review. , 2018, , .		0
1889	Developing indicators for sustainable campuses in Taiwan using fuzzy Delphi method and analytic hierarchy process. Journal of Cleaner Production, 2018, 193, 661-671.	4.6	46
1890	Application of mobile positioning occupancy data for building energy simulation: An engineering case study. Building and Environment, 2018, 141, 1-15.	3.0	46
1891	Thermo- and pH-responsive starch derivatives for smart window. Carbohydrate Polymers, 2018, 196, 209-216.	5.1	18
1892	Similarity analysis and comparative study on the performance of counter-flow dew point evaporative coolers with experimental validation. Energy Conversion and Management, 2018, 169, 97-110.	4.4	35
1893	Different responses of cooling energy consumption in office buildings to climatic change in major climate zones of China. Energy and Buildings, 2018, 173, 38-44.	3.1	52
1894	A review on optimization methods applied in energy-efficient building geometry and envelope design. Renewable and Sustainable Energy Reviews, 2018, 92, 897-920.	8.2	258
1895	Green Building as Urban Climate Change Strategy. Urban Book Series, 2018, , 3-14.	0.3	4

#	ARTICLE	IF	CITATIONS
1896	A decision-making tool for determination of storage capacity in grid-connected PV systems. Renewable Energy, 2018, 128, 299-304.	4.3	13
1897	Integration of solar assisted solid desiccant cooling system with efficient evaporative cooling technique for separate load handling. Applied Thermal Engineering, 2018, 140, 696-706.	3.0	61
1898	Rammed earth blocks with improved multifunctional performance. Cement and Concrete Composites, 2018, 92, 36-46.	4.6	46
1899	Development of an automatic solar-powered domestic water cooling system with multi-stage Peltier devices. Renewable Energy, 2018, 128, 416-431.	4.3	13
1900	A Comparison Between NARX Neural Networks and Symbolic Regression: An Application for Energy Consumption Forecasting. Communications in Computer and Information Science, 2018, , 16-27.	0.4	2
1901	Renewable energy for liquid desiccants air conditioning system: A review. Renewable and Sustainable Energy Reviews, 2018, 93, 364-379.	8.2	82
1902	Analysis of photovoltaic arrays efficiency for reduction of building cooling load in hot climates. Building Services Engineering Research and Technology, 2018, 39, 733-748.	0.9	14
1903	Research on degradation mechanisms of recycled building gypsum. Construction and Building Materials, 2018, 173, 540-549.	3.2	16
1904	Rethinking the role of occupant behavior in building energy performance: A review. Energy and Buildings, 2018, 172, 279-294.	3.1	296
1905	Performance investigation of an internally cooled desiccant wheel. Applied Energy, 2018, 224, 382-397.	5.1	36
1906	Energy-cost analysis of HVAC system for office buildings: Development of a multiple prediction methodology for HVAC system cost estimation. Energy and Buildings, 2018, 173, 562-576.	3.1	33
1907	Using an ensemble machine learning methodology-Bagging to predict occupants' thermal comfort in buildings. Energy and Buildings, 2018, 173, 117-127.	3.1	69
1908	Energy efficiency of residential buildings in the U.S.: Improvement potential beyond IECC. Building and Environment, 2018, 142, 278-287.	3.0	19
1909	Predictive artificial neural network models to forecast the seasonal hourly electricity consumption for a University Campus. Sustainable Cities and Society, 2018, 42, 82-92.	5.1	64
1910	Grid-Connected Semitransparent Building-Integrated Photovoltaic System: The Comprehensive Case Study of the 120kWp Plant in Kunming, China. International Journal of Photoenergy, 2018, 2018, 1-13.	1.4	11
1911	A study of thermal comfort enhancement using three energy-efficient personalized heating strategies at two low indoor temperatures. Building and Environment, 2018, 143, 1-14.	3.0	47
1912	A simple optimization approach for the insulation thickness distribution in household refrigerators. International Journal of Refrigeration, 2018, 93, 169-175.	1.8	14
1913	Implementation of room automation with cloud based monitoring system. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
1914	Hybrid Probabilisticâ€“Possibilistic Treatment of Uncertainty in Building Energy Models: A Case Study of Sizing Peak Cooling Loads. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2018, 4, .	0.7	2
1915	Correlation between the Thermo-physical Properties and Core Material Structure of Vacuum Insulation Panel: Role of Fiber Types. Fibers and Polymers, 2018, 19, 1032-1038.	1.1	7
1916	Thermal design related errors of assemblies for constructing sites discovered during the temperature rise tests. , 2018, , .		0
1917	A survey on QoE and energy cost optimization strategies for smart buildings. CSI Transactions on ICT, 2018, 6, 195-202.	0.7	1
1918	ENVIRONMENTAL MANAGEMENT IN HOTELS: SUSTAINABLE TECHNOLOGIES AND PRACTICES APPLIED IN HOTELS1. Ambiente & Sociedade, 2018, 21, .	0.5	2
1919	Experimental investigation of a polymer hollow fibre integrated liquid desiccant dehumidification system with aqueous potassium formate solution. Applied Thermal Engineering, 2018, 142, 632-643.	3.0	35
1920	Data Driven Chiller Sequencing for Reducing HVAC Electricity Consumption in Commercial Buildings. , 2018, , .		24
1921	Formulation of a model predictive control algorithm to enhance the performance of a latent heat solar thermal system. Energy Conversion and Management, 2018, 173, 438-449.	4.4	40
1922	Optical Characterization of Translucent Stone Subject to Degradation. Smart Sensors, Measurement and Instrumentation, 2018, , 233-240.	0.4	1
1923	Adaptive control for building energy management using reinforcement learning. , 2018, , .		9
1924	Thermal performance and embodied energy of standard and retrofitted wall systems encountered in Southern Europe. Energy, 2018, 161, 1016-1027.	4.5	21
1925	Interactive visualization for NILM in large buildings using non-negative matrix factorization. Energy and Buildings, 2018, 176, 95-108.	3.1	14
1926	Modeling and simulation of a photovoltaic thermal-compound thermoelectric ventilator system. Applied Energy, 2018, 228, 1887-1900.	5.1	35
1927	Life-cycle greenhouse-gas emissions assessment: An Australian commercial building perspective. Journal of Cleaner Production, 2018, 199, 236-247.	4.6	27
1928	Enabling real-world deployment of data driven pre-cooling in smart buildings. , 2018, , .		5
1929	Application of universal control platform in intelligent building. , 2018, , .		2
1930	Analysis of Illumination Lampâ€™s Performance by Retrofit at University Building. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 137-152.	0.2	5
1931	Design optimization of air distribution systems in non-residential buildings. Energy and Buildings, 2018, 175, 48-56.	3.1	13

#	ARTICLE	IF	CITATIONS
1932	Comparison of Asphalt and Concrete Pavement Solar Reflectance. <i>Green Energy and Technology</i> , 2018, , 61-69.	0.4	2
1933	Enhanced Model-Based Predictive Control System Based on Fuzzy Logic for Maintaining Thermal Comfort in IoT Smart Space. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1031.	1.3	30
1934	New Surrogate Model for Wind Pressure Coefficients in a Schematic Urban Environment with a Regular Pattern. <i>Atmosphere</i> , 2018, 9, 113.	1.0	4
1935	The Impact of Iwan as a Traditional Shading Device on the Building Energy Consumption. <i>Buildings</i> , 2018, 8, 3.	1.4	6
1936	An Investigation of Thermal Comfort and Adaptive Behaviors in Naturally Ventilated Residential Buildings in Tropical Climates: A Pilot Study. <i>Buildings</i> , 2018, 8, 5.	1.4	43
1937	Occupancy-Driven Energy-Efficient Buildings Using Audio Processing with Background Sound Cancellation. <i>Buildings</i> , 2018, 8, 78.	1.4	21
1938	An MILP Method for Design of Distributed Energy Resource System Considering Stochastic Energy Supply and Demand. <i>Energies</i> , 2018, 11, 22.	1.6	19
1939	Heating and Cooling Degree-Days Maps of Pakistan. <i>Energies</i> , 2018, 11, 94.	1.6	30
1940	Economic Optimal HVAC Design for Hybrid GEOTABS Buildings and CO2 Emissions Analysis. <i>Energies</i> , 2018, 11, 314.	1.6	7
1941	Determining the U-Value of Façades Using the Thermometric Method: Potentials and Limitations. <i>Energies</i> , 2018, 11, 360.	1.6	55
1942	Analysis of Energy Saving Potential in High-Performance Building Technologies under Korean Climatic Conditions. <i>Energies</i> , 2018, 11, 884.	1.6	13
1943	Load Distribution of Semi-Central Evaporative Cooling Air-Conditioning System Based on the TRNSYS Platform. <i>Energies</i> , 2018, 11, 1186.	1.6	2
1944	The Integration of 3D Modeling and Simulation to Determine the Energy Potential of Low-Temperature Geothermal Systems in the Pisa (Italy) Sedimentary Plain. <i>Energies</i> , 2018, 11, 1591.	1.6	10
1945	Development of non-sintered zero-OPC binders using circulating fluidized bed combustion ash. <i>Construction and Building Materials</i> , 2018, 178, 562-573.	3.2	13
1946	Energy trade off analysis of optimized daily temperature setpoints. <i>Journal of Building Engineering</i> , 2018, 19, 584-591.	1.6	22
1947	Impact of indirect evaporative air cooler type on the performance of desiccant systems. <i>E3S Web of Conferences</i> , 2018, 44, 00134.	0.2	5
1948	Novel Formulations of Phase Change Materials-Epoxy Composites for Thermal Energy Storage. <i>Materials</i> , 2018, 11, 195.	1.3	18
1949	Multi-User Low Intrusive Occupancy Detection. <i>Sensors</i> , 2018, 18, 796.	2.1	14

#	ARTICLE	IF	CITATIONS
1950	Agreement Technologies for Energy Optimization at Home. <i>Sensors</i> , 2018, 18, 1633.	2.1	37
1951	Artificial Neural Network for Assessment of Energy Consumption and Cost for Cross Laminated Timber Office Building in Severe Cold Regions. <i>Sustainability</i> , 2018, 10, 84.	1.6	28
1952	Energy Storage System Control Algorithm by Operating Target Power to Improve Energy Sustainability of Smart Home. <i>Sustainability</i> , 2018, 10, 236.	1.6	5
1953	Impact of the Surrounding Built Environment on Energy Consumption in Mixed-Use Building. <i>Sustainability</i> , 2018, 10, 832.	1.6	18
1954	Effects of Recent Climate Change on Hourly Weather Data for HVAC Design: A Case Study of Osaka. <i>Sustainability</i> , 2018, 10, 861.	1.6	6
1955	Seismic and Energy Renovation: A Review of the Code Requirements and Solutions in Italy and Romania. <i>Sustainability</i> , 2018, 10, 1561.	1.6	11
1956	A Smartphone Application for Personalized and Multi-Method Interventions toward Energy Saving in Buildings. <i>Sustainability</i> , 2018, 10, 1744.	1.6	9
1957	Natural Ventilation. , 2018, , 1227-1270.		3
1958	The counter-flow dew point evaporative cooler: Analyzing its transient and steady-state behavior. <i>Applied Thermal Engineering</i> , 2018, 143, 34-47.	3.0	41
1959	A Mixed-Integer Programming Model for Assessing Energy-Saving Investments in Domestic Buildings under Uncertainty. <i>Energies</i> , 2018, 11, 989.	1.6	7
1960	Sustainability choice of different hybrid timber structure for low medium cost single-story residential building: Environmental, economic and social assessment. <i>Journal of Building Engineering</i> , 2018, 20, 235-247.	1.6	66
1961	Boundary value of the air distribution coefficient that ensures working effectivity of the air-condition system connected with ground heat exchanger and with PV installation. <i>Sustainable Cities and Society</i> , 2018, 42, 93-99.	5.1	15
1962	On the necessities to analyse the thermohygro-metric perception in aged people. A review about indoor thermal comfort, health and energetic aspects and a perspective for future studies. <i>Sustainable Cities and Society</i> , 2018, 41, 469-480.	5.1	44
1963	Cooling load for the design of air terminals in a general non-uniform indoor environment oriented to local requirements. <i>Energy and Buildings</i> , 2018, 174, 603-618.	3.1	27
1964	Performance manipulations of a composite membrane of low thermal conductivity for seawater desalination. <i>Chemical Engineering Science</i> , 2018, 192, 61-73.	1.9	25
1965	Air leakage modelling and its influence on the air quality inside a garage. <i>E3S Web of Conferences</i> , 2018, 44, 00172.	0.2	9
1966	Thermal energy storage tank sizing for biomass boiler heating systems using process dynamic simulation. <i>Energy and Buildings</i> , 2018, 175, 199-207.	3.1	17
1967	Fluidâ€Integrated Glassâ€Glass Laminate for Sustainable Hydronic Cooling and Indoor Air Conditioning. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800047.	2.7	9

#	ARTICLE	IF	CITATIONS
1968	Energy efficiency labeling: Study about the influence of schedule definitions. Journal of Renewable and Sustainable Energy, 2018, 10, .	0.8	2
1969	Development of building energy saving advisory: A data mining approach. Energy and Buildings, 2018, 172, 139-151.	3.1	73
1970	Comparative study of air-conditioning energy use of four office buildings in China and USA. Energy and Buildings, 2018, 169, 344-352.	3.1	29
1971	Dwelling's energy saving through the experimental study and modeling of technological interventions in a cold temperate climate of Argentina. Energy Efficiency, 2018, 11, 975-995.	1.3	3
1972	Grid-Connected Microgrids: Demand Management via Distributed Control and Human-in-the-Loop Optimization. , 2018, , 315-344.		50
1973	Performance evaluation of a membrane-based flat-plate heat and mass exchanger used for liquid desiccant regeneration. Applied Thermal Engineering, 2018, 139, 569-584.	3.0	24
1974	Numerical and experimental performance analysis of a four-sided wind tower adjoining parlor and courtyard at different wind incident angles. Energy and Buildings, 2018, 172, 525-536.	3.1	31
1975	Building envelope with variable thermal performance: Opportunities and challenges. Indoor and Built Environment, 2018, 27, 729-733.	1.5	19
1976	Interactions between the perception of light and temperature. Indoor Air, 2018, 28, 881-891.	2.0	63
1977	Application of indirect non-invasive methods to detect the onset of crystallization fouling in a liquid-to-air membrane energy exchanger. International Journal of Heat and Mass Transfer, 2018, 127, 663-673.	2.5	7
1978	The use of 3D GIS to analyse the influence of urban context on buildings's solar energy potential. Energy and Buildings, 2018, 177, 290-302.	3.1	52
1979	A review on applications of shape-stabilized phase change materials embedded in building enclosure in recent ten years. Sustainable Cities and Society, 2018, 43, 251-264.	5.1	87
1980	Thermal and microstructural properties of paraffin/diatomite composite. Vacuum, 2018, 157, 136-144.	1.6	34
1981	Condensation Heat-Transfer Performance of Thermally Stable Superhydrophobic Cerium-Oxide Surfaces. ACS Applied Materials & Interfaces, 2018, 10, 31765-31776.	4.0	24
1982	In-network Self-Learning Algorithms for BEMS Through a Collaborative Fog Platform. , 2018, , .		7
1983	Multiple power-based building energy management system for efficient management of building energy. Sustainable Cities and Society, 2018, 42, 462-470.	5.1	40
1984	Recent developments in solid desiccant coated heat exchangers " A review. Applied Energy, 2018, 229, 778-803.	5.1	148
1985	Optimization Formulations for the Design of Low Embodied Energy Structures Made from Reused Elements. Lecture Notes in Computer Science, 2018, , 139-163.	1.0	8

#	ARTICLE	IF	CITATIONS
1986	Parametric study of condensation at heating, ventilation, and air-conditioning duct's external surface. <i>Building Services Engineering Research and Technology</i> , 2018, 39, 328-342.	0.9	10
1987	Optical aspects and energy performance of switchable ethylene-tetrafluoroethylene (ETFE) foil cushions. <i>Applied Energy</i> , 2018, 229, 335-351.	5.1	30
1988	Advanced Recycled Polyethylene Terephthalate Aerogels from Plastic Waste for Acoustic and Thermal Insulation Applications. <i>Gels</i> , 2018, 4, 43.	2.1	60
1989	Interdependent energy relationships between buildings at the street scale. <i>Building Research and Information</i> , 2018, 46, 829-844.	2.0	17
1990	Flexible operation of active distribution network using integrated smart buildings with heating, ventilation and air-conditioning systems. <i>Applied Energy</i> , 2018, 226, 181-196.	5.1	83
1991	Consumer preference-enabled intelligent energy management for smart cities using game theoretic social tie. <i>International Journal of Distributed Sensor Networks</i> , 2018, 14, 155014771877323.	1.3	4
1992	Transparent plywood as a load-bearing and luminescent biocomposite. <i>Composites Science and Technology</i> , 2018, 164, 296-303.	3.8	90
1993	A literature review of night ventilation strategies in buildings. <i>Energy and Buildings</i> , 2018, 173, 337-352.	3.1	90
1994	Experimental investigation of the influence of temperature on thermal conductivity of multilayer reflective thermal insulation. <i>Energy and Buildings</i> , 2018, 174, 26-30.	3.1	29
1995	Novel method to simulate large-scale thermal city models. <i>Energy</i> , 2018, 157, 633-646.	4.5	22
1996	Demand controlled ventilation (DCV) in school and office buildings: Lessons learnt from case studies. <i>Energy and Buildings</i> , 2018, 172, 349-360.	3.1	60
1997	Indexes for passive building design in urban context - indoor and outdoor cooling potentials. <i>Energy and Buildings</i> , 2018, 173, 315-325.	3.1	20
1998	Data-Driven Models for Building Occupancy Estimation. , 2018, , .		14
1999	5.11 Smart Energy Management. , 2018, , 423-456.		5
2000	Multicriteria Selection Factors for Evaluation of Intelligent Buildings-A Novel Approach for Energy Management. , 2018, , 87-102.		4
2001	Life cycle assessment (LCA) of double-skin facade (DSF) system with fiber-reinforced concrete for sustainable and energy-efficient buildings in the tropics. <i>Building and Environment</i> , 2018, 142, 327-341.	3.0	48
2002	Thermophysical characterization of Posidonia Oceanica marine fibers intended to be used as an insulation material in Mediterranean buildings. <i>Construction and Building Materials</i> , 2018, 180, 68-76.	3.2	24
2003	A bibliometric review of green building research 2000-2016. <i>Architectural Science Review</i> , 2019, 62, 74-88.	1.1	196

#	ARTICLE	IF	CITATIONS
2004	Effective electrically tunable infrared reflectors based on polymer stabilised cholesteric liquid crystals. <i>Liquid Crystals</i> , 2019, 46, 185-192.	0.9	35
2005	Investigating the potential for energy flexibility in an office building with a vertical BIPV and a PV roof system. <i>Renewable Energy</i> , 2019, 137, 189-197.	4.3	63
2006	A simple approach to estimate ambient temperature bin data. <i>Energy Efficiency</i> , 2019, 12, 1053-1064.	1.3	3
2007	Energy consumption, CO2 emissions and costs related to baths water consumption depending on the temperature and the use of flow reducing valves. <i>Science of the Total Environment</i> , 2019, 646, 280-289.	3.9	13
2008	Multi-objective optimisation of thermal energy storage using phase change materials for solar air systems. <i>Renewable Energy</i> , 2019, 130, 1116-1129.	4.3	55
2009	Whole building optimization of a residential home with PV and battery storage in The Bahamas. <i>Renewable Energy</i> , 2019, 132, 1088-1103.	4.3	70
2010	User Centered Neuro-Fuzzy Energy Management Through Semantic-Based Optimization. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 3278-3292.	6.2	18
2011	Agriculture, climate change and sustainability: The case of EU-28. <i>Ecological Indicators</i> , 2019, 105, 525-543.	2.6	160
2012	Experimental and sensitivity analysis of a smart dual fuel system in a net-zero energy home. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 238, 012018.	0.2	3
2013	Study on Graphene/CNC-Coated Bamboo Pulp Fabric Preparation of Fabrics with Thermal Conductivity. <i>Polymers</i> , 2019, 11, 1265.	2.0	13
2014	A generalization approach for reduced order modelling of commercial buildings. <i>Journal of Building Performance Simulation</i> , 2019, 12, 729-744.	1.0	7
2015	Analysis of the Overall Transmittance of Self-cleaning Photovoltaic Glazing. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 300, 042105.	0.2	0
2016	New Appliance Detection for Nonintrusive Load Monitoring. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 4819-4829.	7.2	45
2017	An Edge Based Data-Driven Chiller Sequencing Framework for HVAC Electricity Consumption Reduction in Commercial Buildings. <i>IEEE Transactions on Sustainable Computing</i> , 2022, 7, 487-498.	2.2	12
2018	Very Short-Term HVAC Cooling Energy Forecasting for an Educational Building in Real-Time.. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 238, 012069.	0.2	3
2019	Built environment and management: exploring grand challenges and management issues in built environment. <i>Frontiers of Engineering Management</i> , 2019, 6, 313-326.	3.3	13
2020	Present and future potential of natural night ventilation in nZEBs. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 296, 012041.	0.2	7
2021	Climatic Cooling Potential Evaluation and Ventilation Strategies Optimization for City Buildings in China. , 2019, , .		1



#	ARTICLE	IF	CITATIONS
2022	Modelling Approach and Model Reduction for Heat Exchanger Utilizing Cell Methods. , 2019, , .		1
2023	Feasibility Study on Energy Audit and Data Driven Analysis Procedure for Building Energy Efficiency: Bench-Marking in Korean Hospital Buildings. Energies, 2019, 12, 3006.	1.6	10
2024	Intelligent Distributed System for Energy Efficient Control. Communications in Computer and Information Science, 2019, , 51-60.	0.4	0
2025	A parametric study of phase change material characteristics when coupled with thermal insulation for different Australian climatic zones. Building and Environment, 2019, 163, 106317.	3.0	32
2026	Analysis of hourly cooling load prediction accuracy with data-mining approaches on different training time scales. Sustainable Cities and Society, 2019, 51, 101717.	5.1	40
2027	Thermal performance and energy efficiency of building integrated with PCMs in hot desert climate region. Solar Energy, 2019, 189, 357-371.	2.9	79
2028	The potential influence of building optimization and passive design strategies on natural ventilation systems in underground buildings: The state of the art. Tunnelling and Underground Space Technology, 2019, 92, 103065.	3.0	40
2029	Experimental Investigation of Liquidâ€“Liquid Extraction of Toluene + Heptane or Toluene + Hexane Using Deep Eutectic Solvents. Journal of Chemical & Engineering Data, 2019, 64, 3811-3820.	1.0	23
2030	Synthesis, characterization, and transport properties of Nafion-polypyrrole membrane for direct methanol fuel cell (DMFC) application. Journal of Solid State Electrochemistry, 2019, 23, 2423-2433.	1.2	19
2031	Implementation of Industrial Internet of Things in the Renewable Energy Sector. Computer Communications and Networks, 2019, , 223-259.	0.8	10
2032	Experimental and mathematical modeling of an air-PCM heat exchanger operating under static and dynamic loads. Energy and Buildings, 2019, 202, 109354.	3.1	26
2033	Dynamic performance assessment of multidimensional heat transfer in buildings. Journal of Building Engineering, 2019, 26, 100893.	1.6	6
2034	Enhancement of indoor comfort in the presence of large glazed radiant surfaces by a local heat pump system based on Peltier cells. Thermal Science and Engineering Progress, 2019, 14, 100388.	1.3	10
2035	The The Methodology of Thermal Energy Management for Nearly Zero Energy Buildings. Periodica Polytechnica: Civil Engineering, 2019, , .	0.6	3
2036	An automated standard-based life cycle quality inspection methodology for smart precast concrete solutions in buildings. Journal of Structural Integrity and Maintenance, 2019, 4, 123-134.	0.7	5
2037	HVAC load Disaggregation using Low-resolution Smart Meter Data. , 2019, , .		16
2038	Long Non-coding RNA in CNS Injuries: A New Target for Therapeutic Intervention. Molecular Therapy - Nucleic Acids, 2019, 17, 754-766.	2.3	79
2039	Effect of rapid and selective thermal processing (RSTP) assisted by microwave treatment on the properties of ultrathin Ag-layer-inserted dielectric multilayers for low-emissivity glass. Japanese Journal of Applied Physics, 2019, 58, SEED01.	0.8	3

#	ARTICLE	IF	CITATIONS
2040	Heating, Ventilation, and Air Conditioning System Optimization Control Strategy Involving Fan Coil Unit Temperature Control. Applied Sciences (Switzerland), 2019, 9, 2391.	1.3	14
2041	Analysis of Research Topics and Scientific Collaborations in Energy Saving Using Bibliometric Techniques and Community Detection. Energies, 2019, 12, 2030.	1.6	18
2042	Performance Simulation and Benefit Analysis of Ammonia Absorption Cooling and Heating Dual-Supply System Based on Off-Peak Electricity Heat Storage. Energies, 2019, 12, 2298.	1.6	2
2043	Statistical and Electrical Features Evaluation for Electrical Appliances Energy Disaggregation. Sustainability, 2019, 11, 3222.	1.6	41
2044	Case study of a solar cooling system using hybrid PV and CST technologies. , 2019, , .		0
2045	A Comparative Study for the Junction Temperature of Green Light-Emitting Diodes. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 2024-2035.	1.4	9
2046	Experimental and Numerical Examination of Naturally-Aged Foam-VIP Composites. Energies, 2019, 12, 2539.	1.6	2
2047	A data-driven approach to extract operational signatures of HVAC systems and analyze impact on electricity consumption. Applied Energy, 2019, 253, 113497.	5.1	35
2048	Empirical validation of the spatial-choice modelling approach to user simulation. Architectural Science Review, 2019, 62, 313-322.	1.1	2
2049	Development of a Calibrated Simulation Method for Airborne Particles to Optimize Energy Consumption in Operating Rooms. Energies, 2019, 12, 2433.	1.6	3
2050	A review of heat transfer characteristics of switchable insulation technologies for thermally adaptive building envelopes. Energy and Buildings, 2019, 199, 427-444.	3.1	65
2051	Design and Implementation of A Building Control System in Real-Time Devs. , 2019, , .		3
2052	Experimental insights into the airtightness measurement of a house-sized chamber in a sheltered environment using blower door and pulse methods. Building and Environment, 2019, 162, 106269.	3.0	15
2053	Solar Desiccant (Absorption/Adsorption) Cooling/Dehumidification Technologies. Green Energy and Technology, 2019, , 211-286.	0.4	1
2054	A simplified HVAC energy prediction method based on degree-day. Sustainable Cities and Society, 2019, 51, 101698.	5.1	55
2055	Flow and heat transfer characteristics of ice slurry in typical components of cooling systems: A review. International Journal of Heat and Mass Transfer, 2019, 141, 922-939.	2.5	42
2056	A Software Framework for Heterogeneous Wireless Sensor Network Towards Environmental Monitoring. Applied Sciences (Switzerland), 2019, 9, 867.	1.3	6
2057	Application of the CPMV index to evaluating indoor thermal comfort in winter: Case study on an office building in Beijing. Building and Environment, 2019, 162, 106295.	3.0	15

#	ARTICLE	IF	CITATIONS
2058	Performance Evaluation of an Enhanced Geothermal System in the Western Canada Sedimentary Basin. Renewable and Sustainable Energy Reviews, 2019, 113, 109278.	8.2	37
2059	Factor analysis on variables effecting energy consumption for retrofitting initiative at highway rest and service areas Malaysia. , 2019, , .		0
2060	Real-time and contactless measurements of thermal discomfort based on human poses for energy efficient control of buildings. Building and Environment, 2019, 162, 106284.	3.0	57
2061	Electric Vehicle Charging and Batteries Swapping Management Strategy with Photovoltaic Generation in Business Districts. Electric Power Components and Systems, 2019, 47, 889-902.	1.0	2
2062	Validation and integration of a latent heat storage model into building envelopes of a high-order building model for Modelica library AixLib. Energy and Buildings, 2019, 202, 109336.	3.1	29
2063	Non-Intrusive Load Monitoring System Based on Convolution Neural Network and Adaptive Linear Programming Boosting. Energies, 2019, 12, 2882.	1.6	12
2064	A Study on the Limitations of South Korea's National Roadmap for Greenhouse Gas Reduction by 2030 and Suggestions for Improvement. Sustainability, 2019, 11, 3969.	1.6	22
2065	A Semantic and Social Approach for Real-Time Green Building Rating in BIM-Based Design. Sustainability, 2019, 11, 3973.	1.6	15
2066	Use of BIM data as input and output for improved detection of lighting elements in buildings. Automation in Construction, 2019, 106, 102852.	4.8	10
2067	Indoor thermal comfort review: The tropics as the next frontier. Urban Climate, 2019, 29, 100488.	2.4	29
2068	Thermal response of wall implanted with heat pipes: Experimental analysis. Renewable Energy, 2019, 143, 1687-1697.	4.3	9
2069	Experimental Evaluation of a Data Driven Cooling Optimization Framework for HVAC Control in Commercial Buildings. , 2019, , .		7
2070	Porous geopolymer as a possible template for a phase change material. Materials Chemistry and Physics, 2019, 236, 121785.	2.0	15
2071	Piecewise control strategy for electric spring. IET Generation, Transmission and Distribution, 2019, 13, 2496-2506.	1.4	3
2072	Smart Windows: Electrochromic, Thermochromic, Mechanochromic, Photochromics, and Beyond. Advanced Energy Materials, 2019, 9, 1902066.	10.2	383
2073	Predictive control based on occupant behavior prediction for domestic hot water system using data mining algorithm. Energy Science and Engineering, 2019, 7, 1214-1232.	1.9	15
2074	Evaluation of energy saving potential of HVAC system by operation data with uncertainties. Energy and Buildings, 2019, 204, 109513.	3.1	14
2075	A meta-model-based optimization approach for fast and reliable calibration of building energy models. Energy, 2019, 188, 116046.	4.5	39

#	ARTICLE	IF	CITATIONS
2076	Influence of indoor conditions on microbial diversity and quantity in schools. E3S Web of Conferences, 2019, 111, 01035.	0.2	1
2077	Energy performance assessment of HVAC commissioning using long-term monitoring data: A case study of the newly built office building in South Korea. Energy and Buildings, 2019, 204, 109465.	3.1	27
2078	Spectral selectivity and stability of energy-saving window films based on poly(vinyl chloride) reinforced with ATO nanoparticles. Polymer Testing, 2019, 80, 106157.	2.3	12
2079	Life Cycle Energy Assessment of a School Building under Envelope Retrofit: An Approach towards Environmental Impact Reduction. E3S Web of Conferences, 2019, 111, 03028.	0.2	2
2080	Thermodynamic sustainability assessment for heating of residential building. E3S Web of Conferences, 2019, 111, 04028.	0.2	2
2081	Model predictive control for buildings with active one-pipe hydronic heating. E3S Web of Conferences, 2019, 111, 04050.	0.2	9
2082	Hierarchical price coordination of heat pumps in a building network controlled using model predictive control. Energy and Buildings, 2019, 202, 109421.	3.1	13
2083	Utilization of bio-chars from sugarcane bagasse pyrolysis in cement-based composites. Industrial Crops and Products, 2019, 141, 111731.	2.5	42
2084	Energy Efficient Control of the Dehumidification Process in Heat Exchangers with Air Bypass. E3S Web of Conferences, 2019, 111, 04035.	0.2	1
2085	Comparative Study of Experimental and Theoretical Evaluation of Nocturnal Cooling System for Room Cooling for Clear and Cloudy Sky Climate. Global Challenges, 2019, 3, 1900008.	1.8	2
2086	Patterns of thermal preference and Visual Thermal Landscaping model in the workplace. Applied Energy, 2019, 255, 113674.	5.1	16
2087	Human Comfort in Indoor Environment: A Review on Assessment Criteria, Data Collection and Data Analysis Methods. IEEE Access, 2019, 7, 119774-119786.	2.6	29
2088	Multi-Criteria Evaluation of the Organizational and Technological Options for Green Roof Systems Installation. IOP Conference Series: Materials Science and Engineering, 2019, 471, 082011.	0.3	7
2089	The Development of Data-Collection Methods for Thermal Comfort Assessment in Tropical Countries. IOP Conference Series: Materials Science and Engineering, 2019, 603, 052001.	0.3	3
2090	Optimization of daylighting and energy performance in hot - arid climate. IOP Conference Series: Materials Science and Engineering, 2019, 609, 072051.	0.3	0
2091	Accurate Energy Forecast in Buildings: A Data Driven Machine Learning Approach. , 2019, , .		2
2092	Optimal Control of CHP Plant Integrated with Load Management on HVAC System in Microgrid. , 2019, , .		2
2093	Investigation of Energy Efficient Retrofit HVAC Systems for a University: Case Study. Sustainability, 2019, 11, 5593.	1.6	7

#	ARTICLE	IF	CITATIONS
2094	Improvements of building envelope using passive cooling techniques to reduce the cooling load in hot&dry regions. Heat Transfer - Asian Research, 2019, 48, 3831-3842.	2.8	3
2095	The potential of Personal Conditioning Systems. MATEC Web of Conferences, 2019, 282, 02098.	0.1	0
2096	Smart utilization of solar energy with Optic-Variable Wall (OVW) for thermal comfort. Energy and Buildings, 2019, 202, 109376.	3.1	5
2097	Data-driven modeling of building thermal dynamics: Methodology and state of the art. Energy and Buildings, 2019, 203, 109405.	3.1	50
2098	Analysis of building energy upgrade technologies for implementing the dual energy efficiency and demand response scheme for non-residential buildings. MATEC Web of Conferences, 2019, 282, 02016.	0.1	0
2099	Use Cases and Potentials of Smart Lighting Systems in Industrial Settings. IEEE Engineering Management Review, 2019, 47, 101-107.	1.0	5
2100	Study of infiltration through sliding windows with respect to closing mechanisms and their locations in a building during winter season. International Journal of Ventilation, 2019, 18, 220-232.	0.2	1
2101	A Data-Driven Approach for Enhancing the Efficiency in Chiller Plants: A Hospital Case Study. Energies, 2019, 12, 827.	1.6	11
2102	Multiscale Investigation of Interfacial Thermal Properties of n-Octadecane Enhanced with Multilayer Graphene. Journal of Physical Chemistry C, 2019, 123, 23297-23305.	1.5	6
2103	Experimental study of phase change materials coupled solar thermal energy for building heating in winter. IOP Conference Series: Earth and Environmental Science, 2019, 237, 042010.	0.2	2
2104	Smart Hot Water Control with Learned Human Behavior for Minimal Energy Consumption. , 2019, , .		8
2105	Automatic damper system for energy saving in small office building : A survey and trainer kit development. IOP Conference Series: Earth and Environmental Science, 2019, 268, 012125.	0.2	0
2106	Strategies for Simultaneous Embodied Energy and Operational Energy Reductions in Buildings during the Design Stage. IOP Conference Series: Earth and Environmental Science, 2019, 290, 012063.	0.2	1
2107	GIS-3D Platform to Help Decision Making for Energy Rehabilitation in Urban Environments. IOP Conference Series: Earth and Environmental Science, 2019, 290, 012122.	0.2	1
2108	Campus green buildings: Policy implications for the implementing, monitoring and evaluation of campus green building initiatives. IOP Conference Series: Earth and Environmental Science, 2019, 294, 012004.	0.2	2
2109	Mapping Flexibility of Urban Energy Systems (FIRST) project: Rationale and study design of an exploratory project. IOP Conference Series: Earth and Environmental Science, 2019, 294, 012015.	0.2	1
2110	A systematic review of retrofitting tools for residential buildings. IOP Conference Series: Earth and Environmental Science, 2019, 294, 012035.	0.2	7
2111	Distributed Adaptive Control of Multi-Zone HVAC Systems. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
2112	Adaptive modeling for reliability in optimal control of complex HVAC systems. <i>Building Simulation</i> , 2019, 12, 1095-1106.	3.0	20
2113	Modeling and optimization for the smart operation of a central chilled water system in a high-rise building. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 238, 012063.	0.2	0
2114	Detection of Local Softening, Welding and Formation of Metallic Bridges between the Copper Contact Pair Using Temperature Measurement. , 2019, , .		1
2115	Assimilating Green Skills in Building Construction Programme: Crucial to Realizing Environmental Sustainability. <i>IEEE Access</i> , 2019, 7, 125214-125224.	2.6	1
2116	Mitigating Data Integrity Attacks in Building Automation Systems using Denoising Autoencoders. , 2019, , .		0
2117	Comparison of model-based and data-driven approaches for modeling energy and comfort management systems, with a case study. , 2019, , .		2
2118	A Review of Quantum Computer Energy Efficiency. , 2019, , .		10
2119	Experimental investigation on hygrothermal performance of a bio-based wall made of cement mortar filled with date palm fibers. <i>Energy and Buildings</i> , 2019, 202, 109413.	3.1	24
2120	Unit TSP Abatement Costs of Building Modernization as a Tool of Air Quality Management: Krakow Case Study. <i>E3S Web of Conferences</i> , 2019, 86, 00023.	0.2	0
2121	The Importance of Standardised Data-Collection Methods in the Improvement of Thermal Comfort Assessment Models for Developing Countries in the Tropics. <i>Sustainability</i> , 2019, 11, 4180.	1.6	4
2122	Interaction between plant species and substrate type in the removal of CO2 indoors. <i>Air Quality, Atmosphere and Health</i> , 2019, 12, 1197-1206.	1.5	10
2123	The pinpointing of the most prominent parameters on the energy performance for optimal passive strategies in ecological buildings based on bioclimatic, sensitivity and uncertainty analyses. <i>International Journal of Ambient Energy</i> , 2022, 43, 685-712.	1.4	8
2124	Clear Wood toward High-Performance Building Materials. <i>ACS Nano</i> , 2019, 13, 9993-10001.	7.3	138
2125	Energy Savings of PCM-Incorporated Building in Hot Dry Climate. <i>Key Engineering Materials</i> , 0, 821, 518-524.	0.4	5
2126	Influence of an improved surrounding soil on the energy performance and the design length of earth-air heat exchanger. <i>Applied Thermal Engineering</i> , 2019, 162, 114320.	3.0	19
2127	A new modeling and analysis method of the indirect evaporative heat exchanger based on the heat current perspective. <i>Applied Thermal Engineering</i> , 2019, 163, 114331.	3.0	9
2128	Experimental study of a domestic solar-assisted ground source heat pump with seasonal underground thermal energy storage through shallow boreholes. <i>Applied Thermal Engineering</i> , 2019, 162, 114218.	3.0	71
2129	Forecasting Temperature in a Smart Home with Segmented Linear Regression. <i>Procedia Computer Science</i> , 2019, 155, 511-518.	1.2	6

#	ARTICLE	IF	CITATIONS
2130	Mimicking Predictive Control with Neural Networks in Domestic Heating Systems. , 2019, , .		8
2131	Explaining Spatial Variations in Residential Energy Usage Intensity in Chicago: The Role of Urban Form and Geomorphometry. Journal of Planning Education and Research, 2023, 43, 317-331.	1.5	12
2132	A Framework of Building Sustainability Assessment System for the Commercial Buildings in Kazakhstan. Sustainability, 2019, 11, 4754.	1.6	12
2133	Willingness Impact to the PAR Optimisation of R-users Community using EMS. Energy Procedia, 2019, 156, 315-320.	1.8	2
2134	Simultaneous use of PV system and green roof: A techno-economic study on power generation and energy consumption. Energy Procedia, 2019, 159, 478-483.	1.8	15
2135	Optimised performance of a thermally resistive PV glazing technology: An experimental validation. Energy Reports, 2019, 5, 1185-1195.	2.5	16
2136	Transactive Control Design for Commercial Buildings to Provide Demand Response. IFAC-PapersOnLine, 2019, 51, 151-156.	0.5	12
2137	Research on Fault Detection Method for Air Handling Units System. IFAC-PapersOnLine, 2019, 52, 79-84.	0.5	5
2138	Simulation of Drop-Size Distribution During Dropwise and Jumping Drop Condensation on a Vertical Surface: Implications for Heat Transfer Modeling. Langmuir, 2019, 35, 12858-12875.	1.6	26
2139	Energy Management of Buildings with Phase Change Materials Based on Dynamic Programming. , 2019, , .		4
2140	Thermal zoning for building HVAC design and energy simulation: A literature review. Energy and Buildings, 2019, 203, 109429.	3.1	63
2141	Environmentally-friendly thermal and acoustic insulation materials from recycled textiles. Journal of Environmental Management, 2019, 251, 109536.	3.8	127
2142	Analysis of the use of computational intelligence techniques for air-conditioning systems: A systematic mapping study. Measurement and Control, 2019, 52, 1084-1094.	0.9	2
2143	Energy Modeling with Nonlinear-Autoregressive Exogenous Neural Network. E3S Web of Conferences, 2019, 111, 03059.	0.2	1
2144	CFD Simulation of Convective Heat Transfer on Vernacular Sustainable Architecture: Validation and Application of Methodology. Sustainability, 2019, 11, 4231.	1.6	12
2145	3D Printed Injection Molding for Prototyping Batch Fabrication of Macroscale Graphene/Paraffin Spheres for Thermal Energy Management. Jom, 2019, 71, 4569-4577.	0.9	1
2146	A review of heating, ventilation and air conditioning technologies and innovations used in solar-powered net zero energy Solar Decathlon houses. Journal of Cleaner Production, 2019, 240, 118158.	4.6	59
2147	Relationship between the thermal properties and degree of saturation of cementitious grouts used in vertical borehole heat exchangers. Energy and Buildings, 2019, 201, 1-9.	3.1	30

#	ARTICLE	IF	CITATIONS
2148	Comprehensive preference learning and feature validity for designing energy-efficient residential buildings using machine learning paradigms. <i>Applied Soft Computing Journal</i> , 2019, 84, 105748.	4.1	73
2149	Coupled heat transfer through an alveolar structure heated by a uniform heat flux. <i>Materials Today: Proceedings</i> , 2019, 13, 931-938.	0.9	0
2150	Experimental short-term investigation of model predictive heat pump control in residential buildings. <i>Energy and Buildings</i> , 2019, 204, 109444.	3.1	22
2151	Feasibility and performance investigation of a new smart system integrating planar/tubular thermoelectric generators with solar flat plate collector. <i>Energy Conversion and Management</i> , 2019, 199, 111980.	4.4	22
2152	Analysis of energy use intensity and greenhouse gas emissions for universities in Taiwan. <i>Journal of Cleaner Production</i> , 2019, 241, 118363.	4.6	15
2153	CFD optimization of return air ratio and use of upper room UVGI in combined HVAC and heat recovery system. <i>Case Studies in Thermal Engineering</i> , 2019, 15, 100535.	2.8	23
2154	Physical vapour deposition of vanadium dioxide for thermochromic smart window applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2121-2145.	2.7	83
2155	Solar absorption chiller performance prediction based on the selection of principal component analysis. <i>Case Studies in Thermal Engineering</i> , 2019, 13, 100391.	2.8	18
2156	New advancements, challenges and opportunities of multi-storey modular buildings – A state-of-the-art review. <i>Engineering Structures</i> , 2019, 183, 883-893.	2.6	345
2157	Investment decision-making optimization of energy efficiency retrofit measures in multiple buildings under financing budgetary restraint. <i>Journal of Cleaner Production</i> , 2019, 215, 1078-1094.	4.6	57
2158	Energy management in commercial building microgrids. <i>Journal of Renewable and Sustainable Energy</i> , 2019, 11, .	0.8	17
2159	Generation Tool for Automated Thermal City Modelling. <i>Applied Mechanics and Materials</i> , 0, 887, 292-299.	0.2	4
2160	Assessment of the Life Cycle Energy Efficiency of a Primary School Building in Turkey. <i>Applied Mechanics and Materials</i> , 0, 887, 335-343.	0.2	1
2161	Reviewing Theoretical and Numerical Models for PCM-embedded Cementitious Composites. <i>Buildings</i> , 2019, 9, 3.	1.4	24
2162	Incorporating machine learning with building network analysis to predict multi-building energy use. <i>Energy and Buildings</i> , 2019, 186, 80-97.	3.1	49
2163	Study of energy storage systems and environmental challenges of batteries. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 104, 192-208.	8.2	479
2164	Load-responsive model switching estimation for state of charge of lithium-ion batteries. <i>Applied Energy</i> , 2019, 238, 423-434.	5.1	61
2165	On the possibilities to increase energy efficiency of domestic hot water preparation systems in existing buildings – Long term field research. <i>Journal of Cleaner Production</i> , 2019, 217, 194-203.	4.6	33



#	ARTICLE	IF	CITATIONS
2166	Adaptive thermal comfort in naturally ventilated dormitory buildings in Changsha, China. <i>Energy and Buildings</i> , 2019, 186, 56-70.	3.1	59
2167	Energy saving potential for residential buildings in hot climates: The case of Oman. <i>Sustainable Cities and Society</i> , 2019, 46, 101442.	5.1	58
2168	Life Cycle Energy Consumption of Buildings; Embodied + Operational. , 2019, , 123-144.		16
2169	Heat removal efficiency of stratum ventilation for air-side modulation. <i>Applied Energy</i> , 2019, 238, 1237-1249.	5.1	26
2170	Environmental Impact Profiles for Glazing Systems: Strategies for Early Design Process. <i>Journal of Architectural Engineering</i> , 2019, 25, .	0.8	22
2171	Multi-agent reinforcement learning for modeling and control of thermostatically controlled loads. <i>Applied Energy</i> , 2019, 238, 1022-1035.	5.1	58
2172	The Squeaky wheel: Machine learning for anomaly detection in subjective thermal comfort votes. <i>Building and Environment</i> , 2019, 151, 219-227.	3.0	29
2173	Techno-economic analysis of an air conditioning heat pump powered by photovoltaic panels and the grid. <i>Solar Energy</i> , 2019, 180, 169-179.	2.9	27
2174	Fault Isolability Analysis and Optimal Sensor Placement for Fault Diagnosis in Smart Buildings. <i>Energies</i> , 2019, 12, 1601.	1.6	11
2175	Virtual Sensor Based on a Deep Learning Approach for Estimating Efficiency in Chillers. <i>Communications in Computer and Information Science</i> , 2019, , 307-319.	0.4	5
2176	A hybrid predictive sequencing control for multi-chiller plant with considerations of indoor environment control, energy conservation and economical operation cost. <i>Sustainable Cities and Society</i> , 2019, 49, 101616.	5.1	24
2177	A pilot study of thermal comfort in subtropical mixed-mode higher education office buildings with different change-over control strategies. <i>Energy and Buildings</i> , 2019, 196, 194-205.	3.1	30
2178	Integrating BIM with building performance analysis in project life-cycle. <i>Automation in Construction</i> , 2019, 106, 102861.	4.8	57
2179	A static moving boundary modelling approach for simulation of indirect evaporative free cooling systems. <i>Applied Energy</i> , 2019, 250, 1719-1728.	5.1	23
2180	A review of smart building sensing system for better indoor environment control. <i>Energy and Buildings</i> , 2019, 199, 29-46.	3.1	188
2181	Energy consumption, indoor thermal comfort and air quality in a commercial office with retrofitted heat, ventilation and air conditioning (HVAC) system. <i>Energy and Buildings</i> , 2019, 201, 202-215.	3.1	120
2182	Optimizing the energy consumption in a residential building at different climate zones: Towards sustainable decision making. <i>Journal of Cleaner Production</i> , 2019, 233, 634-649.	4.6	35
2183	Nanograsseed Zigzag Structures To Promote Coalescence-Induced Droplet Jumping. <i>Langmuir</i> , 2019, 35, 9093-9099.	1.6	33

#	ARTICLE	IF	CITATIONS
2184	Comparison of solar thermal and solar electric space heating and cooling systems for buildings in different climatic regions. <i>Solar Energy</i> , 2019, 188, 545-560.	2.9	54
2185	A comparative study of predicting individual thermal sensation and satisfaction using wrist-worn temperature sensor, thermal camera and ambient temperature sensor. <i>Building and Environment</i> , 2019, 160, 106223.	3.0	89
2186	Multifunctional Janus fibrous hybrid membranes with sandwich structure for on-demand personal thermal management. <i>Nano Energy</i> , 2019, 63, 103808.	8.2	111
2187	Virtual Mass Flow Rate Sensor Using a Fixed-Plate Recuperator. <i>IEEE Sensors Journal</i> , 2019, 19, 5760-5768.	2.4	3
2188	Embedded Microcontroller with a CCD Camera as a Digital Lighting Control System. <i>Electronics (Switzerland)</i> , 2019, 8, 33.	1.8	48
2189	Applying the naïve Bayes classifier to HVAC energy prediction using hourly data. <i>Microsystem Technologies</i> , 2022, 28, 121-135.	1.2	5
2190	Exploring the effects of a building retrofit to improve energy performance and sustainability: A case study of Korean public buildings. <i>Journal of Building Engineering</i> , 2019, 25, 100822.	1.6	30
2191	Thermal adaptation in occupant-driven HVAC control. <i>Journal of Building Engineering</i> , 2019, 25, 100846.	1.6	30
2192	Daylighting Strategies in Tropical Coastal Area. <i>International Review for Spatial Planning and Sustainable Development</i> , 2019, 7, 75-91.	0.6	4
2193	Smart Desks to Promote Comfort, Health, and Productivity in Offices: A Vision for Future Workplaces. <i>Frontiers in Built Environment</i> , 2019, 5, .	1.2	23
2194	A reduced-scale experiment to evaluate the thermal performance of building envelopes containing phase change material spheres. <i>Building Simulation</i> , 2019, 12, 629-640.	3.0	7
2195	Cooling load forecasting-based predictive optimisation for chiller plants. <i>Energy and Buildings</i> , 2019, 198, 261-274.	3.1	39
2196	Increasing of electricity production from <i>Echinodosus cordifolius</i> -microbial fuel cell by inoculating <i>Bacillus thuringiensis</i> . <i>Science of the Total Environment</i> , 2019, 686, 538-545.	3.9	21
2197	Experimental study of a membrane-based liquid desiccant dehumidifier based on internal air temperature variation. <i>Applied Thermal Engineering</i> , 2019, 159, 113936.	3.0	14
2198	Field study on thermal comfort and energy saving potential in 11 split air-conditioned office buildings in Changsha, China. <i>Energy</i> , 2019, 182, 471-482.	4.5	73
2199	A Review of the Impact of Vegetation in Solar Control towards Enhanced Thermal Comfort and Energy Performance in Buildings. <i>Applied Mechanics and Materials</i> , 2019, 887, 428-434.	0.2	0
2200	NIDL: A pilot study of contactless measurement of skin temperature for intelligent building. <i>Energy and Buildings</i> , 2019, 198, 340-352.	3.1	50
2201	Review of Heat Recovery Technologies for Building Applications. <i>Energies</i> , 2019, 12, 1285.	1.6	30

#	ARTICLE	IF	CITATIONS
2202	Analysis of the Influence Subjective Human Parameters in the Calculation of Thermal Comfort and Energy Consumption of Buildings. <i>Energies</i> , 2019, 12, 1531.	1.6	6
2203	Indoor thermal environment optimal control for thermal comfort and energy saving based on online monitoring of thermal sensation. <i>Energy and Buildings</i> , 2019, 197, 57-67.	3.1	62
2204	On the in-depth scaling and dimensional analysis of a cross-flow membrane liquid desiccant dehumidifier. <i>Applied Energy</i> , 2019, 250, 786-800.	5.1	22
2205	Artificial neural network prediction models of stratified thermal energy storage system and borehole heat exchanger for model predictive control. <i>Science and Technology for the Built Environment</i> , 2019, 25, 534-548.	0.8	13
2206	Measured Performance of a Mixed-Use Commercial-Building Ground Source Heat Pump System in Sweden. <i>Energies</i> , 2019, 12, 2020.	1.6	33
2207	Influence of climate on the creation of multilayer perceptrons to analyse the risk of fuel poverty. <i>Energy and Buildings</i> , 2019, 198, 38-60.	3.1	19
2208	Evaluation of BIM energy performance and CO <sub>2</sub> emissions assessment tools: a case study in warm weather. <i>Building Research and Information</i> , 2019, 47, 787-812.	2.0	24
2209	A global taxonomic review and analysis of the development of BIM research between 2006 and 2017. <i>Construction Innovation</i> , 2019, 19, 465-490.	1.5	28
2210	A Healthy, Energy-Efficient and Comfortable Indoor Environment, a Review. <i>Energies</i> , 2019, 12, 1414.	1.6	77
2211	Thermal behaviour of wallboard incorporating a binary mixture as a phase change material. <i>Journal of Building Engineering</i> , 2019, 25, 100820.	1.6	6
2212	Investigation of Equilibrium Droplet Shapes on Chemically Striped Patterned Surfaces Using Phase-Field Method. <i>Langmuir</i> , 2019, 35, 8500-8516.	1.6	16
2213	A Decentralized Swarm Intelligence Algorithm for Global Optimization of HVAC System. <i>IEEE Access</i> , 2019, 7, 64744-64757.	2.6	9
2214	HVAC Optimization Genetic Algorithm for Industrial Near-Zero-Energy Building Demand Response. <i>Energies</i> , 2019, 12, 2177.	1.6	28
2215	Case-based reasoning approach for supporting building green retrofit decisions. <i>Building and Environment</i> , 2019, 160, 106210.	3.0	41
2216	Envelope retrofitting strategies for public school buildings in Jordan. <i>Journal of Building Engineering</i> , 2019, 25, 100819.	1.6	27
2217	Multi-objective optimisation approach for campus energy plant operation based on building heating load scenarios. <i>Applied Energy</i> , 2019, 250, 1600-1617.	5.1	27
2218	Study on the energy performance enhancement of a new PCMs integrated hybrid system with the active cooling and hybrid ventilations. <i>Energy</i> , 2019, 179, 111-128.	4.5	55
2219	Dynamic Windows Based on Reversible Metal Electrodeposition with Enhanced Functionality. <i>Journal of the Electrochemical Society</i> , 2019, 166, D333-D338.	1.3	15

#	ARTICLE	IF	CITATIONS
2220	Short-term forecast model of cooling load using load component disaggregation. <i>Applied Thermal Engineering</i> , 2019, 157, 113630.	3.0	20
2221	Direct spray-coating of highly robust and transparent Ag nanowires for energy saving windows. <i>Nano Energy</i> , 2019, 62, 111-116.	8.2	205
2222	Hierarchical environmental risk mapping of material degradation in historic masonry buildings: An integrated approach considering climate change and structural damage. <i>Construction and Building Materials</i> , 2019, 215, 998-1014.	3.2	52
2223	A review on energy consumption in the residential and commercial buildings located in tropical regions of Indian Ocean: A case of Madagascar island. <i>Journal of Energy Storage</i> , 2019, 24, 100748.	3.9	40
2224	Orientation-Constrained System for Lamp Detection in Buildings Based on Computer Vision. <i>Sensors</i> , 2019, 19, 1516.	2.1	2
2225	Energy saving obtainable by applying a commercially available M-cycle evaporative cooling system to the air conditioning of an office building in North Italy. <i>Energy</i> , 2019, 179, 975-988.	4.5	47
2226	An application of Bayesian Network approach for selecting energy efficient HVAC systems. <i>Journal of Building Engineering</i> , 2019, 25, 100796.	1.6	32
2227	Exploring the influences of green industrial building on the energy consumption of industrial enterprises: A case study of Chinese cigarette manufactures. <i>Journal of Cleaner Production</i> , 2019, 231, 370-385.	4.6	35
2228	Adaptive Comfort Control Implemented Model (ACCIM) for Energy Consumption Predictions in Dwellings under Current and Future Climate Conditions: A Case Study Located in Spain. <i>Energies</i> , 2019, 12, 1498.	1.6	34
2229	Comparative Analysis of Two Urban Microclimates: Energy Consumption and Greenhouse Gas Emissions. <i>Sustainability</i> , 2019, 11, 2045.	1.6	13
2230	Stochastic optimized chiller operation strategy based on multi-objective optimization considering measurement uncertainty. <i>Energy and Buildings</i> , 2019, 195, 149-160.	3.1	19
2231	Multivariate relationships between campus design parameters and energy performance using reinforcement learning and parametric modeling. <i>Applied Energy</i> , 2019, 249, 253-264.	5.1	30
2232	Microdroplet self-propulsion during dropwise condensation on lubricant-infused surfaces. <i>Soft Matter</i> , 2019, 15, 4808-4817.	1.2	48
2233	Plate-fin heat sink forced convective heat transfer augmentation with a fractal insert. <i>International Journal of Thermal Sciences</i> , 2019, 142, 392-406.	2.6	28
2234	The influence of geometrical parameters on heat and mass transfer processes in rotary heat exchangers. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	10
2235	Analysis and Comparison of Some Low-Temperature Heat Sources for Heat Pumps. <i>Energies</i> , 2019, 12, 1853.	1.6	7
2236	An Experimental Study of Regression Techniques for the Residential Energy Consumption Forecast in the Brazilian Scenario. <i>Urban Computing</i> , 2019, , 117-140.	0.9	0
2237	Sustainable Urban Community Development Guidelines. <i>Advances in Science, Technology and Innovation</i> , 2019, , 75-102.	0.2	0

#	ARTICLE	IF	CITATIONS
2238	Gender, age, and educational differences in the importance of homely comfort in Denmark. <i>Energy Research and Social Science</i> , 2019, 54, 157-165.	3.0	23
2239	Energy consumption in elementary and high schools in Taiwan. <i>Journal of Cleaner Production</i> , 2019, 227, 1107-1116.	4.6	17
2240	An empirical survey of the perceived benefits of executing BIM and sustainability practices in the built environment. <i>Construction Innovation</i> , 2019, 19, 321-342.	1.5	42
2241	A context-driven platform using Internet of things and data stream processing for heating, ventilation and air conditioning systems control. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2019, 233, 877-888.	0.7	7
2242	A survey on control issues in renewable energy integration and microgrid. <i>Protection and Control of Modern Power Systems</i> , 2019, 4, .	4.3	200
2243	A methodology to create prototypical building energy models for existing buildings: A case study on U.S. religious worship buildings. <i>Energy and Buildings</i> , 2019, 194, 351-365.	3.1	37
2244	Forecasting district-scale energy dynamics through integrating building network and long short-term memory learning algorithm. <i>Applied Energy</i> , 2019, 248, 217-230.	5.1	54
2245	Urban design to achieving the sustainable energy of residential neighbourhoods in arid climate. <i>Journal of Cleaner Production</i> , 2019, 228, 135-152.	4.6	22
2246	Multistage recovering ventilated air heat through a heat recovery ventilator integrated with a condenser-side mixing box heat recovery system. <i>Journal of Building Engineering</i> , 2019, 24, 100744.	1.6	9
2247	A data envelopment analysis (DEA) model for building energy benchmarking. <i>Journal of Engineering, Design and Technology</i> , 2019, 17, 747-768.	1.1	10
2248	Photon-Mediated Thermoelectric and Heat Currents through a Resonant Quantum Wire-Cavity System. <i>Energies</i> , 2019, 12, 1082.	1.6	7
2249	An optimization of water transport through polyurethane silica-nanocomposite membrane. <i>Heat and Mass Transfer</i> , 2019, 55, 2703-2711.	1.2	1
2250	Radiative sky cooling: Fundamental principles, materials, and applications. <i>Applied Physics Reviews</i> , 2019, 6, .	5.5	442
2251	Data-Driven Evaluation of Residential HVAC System Efficiency Using Energy and Environmental Data. <i>Energies</i> , 2019, 12, 188.	1.6	17
2252	Analysis of airflow inside a two-sided wind catcher building. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2019, 190, 71-82.	1.7	31
2253	A Probabilistic Algorithm for Predictive Control With Full-Complexity Models in Non-Residential Buildings. <i>IEEE Access</i> , 2019, 7, 38748-38765.	2.6	18
2254	Factors affecting willingness to adopt and willingness to pay for a residential hybrid system that provides heating/cooling and domestic hot water. <i>Renewable Energy</i> , 2019, 142, 591-603.	4.3	28
2255	Experimental assessment of solar absorption-subcooled compression hybrid cooling system. <i>Solar Energy</i> , 2019, 185, 245-254.	2.9	32

#	ARTICLE	IF	CITATIONS
2256	Development of new nano-enhanced phase change materials (NEPCM) to improve energy efficiency in buildings: Lab-scale characterization. <i>Energy and Buildings</i> , 2019, 192, 75-83.	3.1	54
2257	Overview on hybrid solar photovoltaic-electrical energy storage technologies for power supply to buildings. <i>Energy Conversion and Management</i> , 2019, 187, 103-121.	4.4	168
2258	Decentralized stochastic control for building energy and comfort management. <i>Journal of Building Engineering</i> , 2019, 24, 100739.	1.6	17
2259	Assessment of Energy Saving Potential by Replacing Conventional Materials by Cross Laminated Timber (CLT)â€™A Case Study of Office Buildings in China. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 858.	1.3	17
2260	Supramolecular strategy for smart windows. <i>Chemical Communications</i> , 2019, 55, 4137-4149.	2.2	85
2261	Demand-Side Energy Management Considering Price Oscillations for Residential Building Heating and Ventilation Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 4742-4752.	7.2	30
2262	Challenges in, and the development of, building energy saving techniques, illustrated with the example of an air source heat pump. <i>Thermal Science and Engineering Progress</i> , 2019, 10, 337-356.	1.3	54
2263	3D computational fluid dynamics simulation of a 3-fluid liquid-to-air membrane energy exchanger (LAMEE). <i>Applied Thermal Engineering</i> , 2019, 153, 501-512.	3.0	9
2264	Electronic and Thermal Properties of Graphene and Recent Advances in Graphene Based Electronics Applications. <i>Nanomaterials</i> , 2019, 9, 374.	1.9	238
2265	Research on real-time integrated control method of PV-SHAPWH. <i>Solar Energy</i> , 2019, 182, 213-224.	2.9	8
2266	Water Supply and Energy in Residential Buildings: Potential Savings and Financial Profitability. <i>Sustainability</i> , 2019, 11, 295.	1.6	5
2267	Energy Efficiency Solutions for Buildings: Automated Fault Diagnosis of Air Handling Units Using Generative Adversarial Networks. <i>Energies</i> , 2019, 12, 527.	1.6	47
2268	A Critical Review of Solid Materials for Low-Temperature Thermochemical Storage of Solar Energy Based on Solid-Vapour Adsorption in View of Space Heating Uses. <i>Molecules</i> , 2019, 24, 945.	1.7	35
2269	New method for measuring field performance of variable refrigerant flow systems based on compressor set energy conservation. <i>Applied Thermal Engineering</i> , 2019, 154, 530-539.	3.0	21
2270	Modeling and Simulation of Dropwise Condensation: A Review. <i>Journal of the Indian Institute of Science</i> , 2019, 99, 157-171.	0.9	21
2271	Thermochromic Behavior of VO <sub>2</sub> /Polymer Nanocomposites for Energy Saving Coatings. <i>Coatings</i> , 2019, 9, 163.	1.2	21
2272	An HVAC Regulation Architecture for Smart Building Based on Weather Forecast. <i>Lecture Notes in Computer Science</i> , 2019, , 92-103.	1.0	3
2273	Sustainable energy saving alternatives in small buildings. <i>Sustainable Energy Technologies and Assessments</i> , 2019, 32, 92-99.	1.7	55

#	ARTICLE	IF	CITATIONS
2274	Analyzing the influence factors of the carbon emissions from China's building and construction industry from 2000 to 2015. <i>Journal of Cleaner Production</i> , 2019, 221, 552-566.	4.6	106
2275	Laboratory characterization of brick walls rendered with a pervious lime-cement mortar. <i>Journal of Building Engineering</i> , 2019, 23, 241-249.	1.6	11
2276	PLUG-N-HARVEST Architecture for Secure and Intelligent Management of Near-Zero Energy Buildings. <i>Sensors</i> , 2019, 19, 843.	2.1	11
2277	A Thermal Flow Sensor Based on Printed Circuit Technology in Constant Temperature Mode for Various Fluids. <i>Sensors</i> , 2019, 19, 1065.	2.1	7
2278	Experimental research of increased cooling output by dedicated subcooling. <i>Applied Thermal Engineering</i> , 2019, 154, 9-17.	3.0	18
2279	HVAC Systems Applied in University Buildings with Control Based on PMV and aPMV Indexes. <i>Inventions</i> , 2019, 4, 3.	1.3	6
2280	Performance analysis of a ductless personalized ventilation combined with radiant floor cooling system and displacement ventilation. <i>Building Simulation</i> , 2019, 12, 905-919.	3.0	43
2281	Model predictive control for thermal energy storage and thermal comfort optimization of building demand response in smart grids. <i>Applied Energy</i> , 2019, 242, 873-882.	5.1	106
2282	Home energy management of thermostatically controlled loads and photovoltaic-battery systems. <i>Energy</i> , 2019, 176, 742-752.	4.5	51
2283	Encouraging energy conservation at work: A field study testing social norm feedback and awareness of monitoring. <i>Energy Policy</i> , 2019, 130, 197-205.	4.2	19
2285	A Fully Distributed Genetic Algorithm for Global Optimization of HVAC Systems. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 609-620.	0.5	0
2286	Cogeneration Process Technical Viability for an Apartment Building: Case Study in Mexico. <i>Processes</i> , 2019, 7, 93.	1.3	11
2287	ICCF: An Information-Centric Collaborative Fog Platform for Building Energy Management Systems. <i>IEEE Access</i> , 2019, 7, 40402-40415.	2.6	12
2288	Fuels with low octane number: water injection as knock control method. <i>Heliyon</i> , 2019, 5, e01259.	1.4	14
2289	Bioclimatic design strategies: A guideline to enhance human thermal comfort in Cfa climate zones. <i>Journal of Building Engineering</i> , 2019, 25, 100758.	1.6	25
2290	Temperature Regulation in Colored Infrared-Transparent Polyethylene Textiles. <i>Joule</i> , 2019, 3, 1478-1486.	11.7	213
2291	Own-Synthesize Nanoparticles to Develop Nano-Enhanced Phase Change Materials (NEPCM) to Improve the Energy Efficiency in Buildings. <i>Molecules</i> , 2019, 24, 1232.	1.7	18
2292	Bi-level energy-efficient occupancy profile optimization integrated with demand-driven control strategy: University building energy saving. <i>Sustainable Cities and Society</i> , 2019, 48, 101539.	5.1	35

#	ARTICLE	IF	CITATIONS
2293	Optimization of Microalgae-to-Biodiesel Production Process Using a Metaheuristic Technique. ACS Sustainable Chemistry and Engineering, 2019, 7, 8490-8498.	3.2	25
2294	Measurement of airflow pattern induced by ceiling fan with quad-view colour sequence particle streak velocimetry. Building and Environment, 2019, 152, 122-134.	3.0	21
2295	Nanofluids: Thermal Conductivity and Applications. , 2019, , .		3
2296	Data fusion in predicting internal heat gains for office buildings through a deep learning approach. Applied Energy, 2019, 240, 386-398.	5.1	65
2297	Integrating building information modeling and life cycle assessment in the early and detailed building design stages. Building and Environment, 2019, 153, 158-167.	3.0	112
2298	An IoT-Based Data Driven Precooling Solution for Electricity Cost Savings in Commercial Buildings. IEEE Internet of Things Journal, 2019, 6, 7337-7347.	5.5	31
2299	Control Strategies in Multi-Zone Air Conditioning Systems. Energies, 2019, 12, 347.	1.6	12
2300	Impact of voluntary green certification on building energy performance. Energy Economics, 2019, 80, 461-475.	5.6	45
2301	Accuracy analyses and model comparison of machine learning adopted in building energy consumption prediction. Energy Exploration and Exploitation, 2019, 37, 1426-1451.	1.1	91
2302	Development of Sky Luminance and Daylight Illuminance Prediction Methods for Lighting Energy Saving in Office Buildings. Energies, 2019, 12, 592.	1.6	18
2303	Energy Analysis in an Italian Opera House: Highlighting the Difficulties in Refurbishing Historic Buildings Using Energy-Savings Strategies. IEEE Industry Applications Magazine, 2019, 25, 45-51.	0.3	0
2304	An NNwC MPPT-Based Energy Supply Solution for Sensor Nodes in Buildings and Its Feasibility Study. Energies, 2019, 12, 101.	1.6	18
2305	Modelling and predictive control of a solar cooling plant with flexible configuration. Journal of Process Control, 2019, 76, 74-86.	1.7	11
2306	An energy-saving oriented air balancing strategy for multi-zone demand-controlled ventilation system. Energy, 2019, 172, 1053-1065.	4.5	27
2307	Determinants of energy flexibility in residential hot water systems. Energy and Buildings, 2019, 188-189, 286-296.	3.1	37
2308	Fault Detection and Diagnosis of Air Handling Unit: A Review. MATEC Web of Conferences, 2019, 255, 06001.	0.1	14
2309	Enabling Demand Side Management: Heat Demand Forecasting at City Level. Materials, 2019, 12, 202.	1.3	16
2310	“Stiff” Soft Binary Synergistic Aerogels with Superflexibility and High Thermal Insulation Performance. Advanced Functional Materials, 2019, 29, 1806407.	7.8	111



#	ARTICLE	IF	CITATIONS
2311	Demand response algorithms for smart-grid ready residential buildings using machine learning models. Applied Energy, 2019, 239, 1265-1282.	5.1	130
2312	Numerical evaluation of a Ductless Personalized Ventilation (DPV) combined with a radiant HVAC system: thermal comfort. IOP Conference Series: Materials Science and Engineering, 2019, 609, 042031.	0.3	1
2313	RELaTED, decentralized & renewable Ultra Low Temperature District Heating, concept conversion from traditional district heating. IOP Conference Series: Materials Science and Engineering, 2019, 609, 052004.	0.3	1
2314	Application of Comfort Range Control logic for thermal comfort and energy saving in VRF system. IOP Conference Series: Materials Science and Engineering, 2019, 609, 052029.	0.3	1
2315	Energy performance of building-integrated electrochromic and photovoltaic systems. IOP Conference Series: Materials Science and Engineering, 2019, 609, 062004.	0.3	4
2316	Energy Efficiency Criteria for Common Building Structure Systems: An Overview. IOP Conference Series: Materials Science and Engineering, 2019, 620, 012078.	0.3	0
2317	Climate responsive buildings: a comfort assessment of buildings on KNUST campus, Kumasi. Journal of Engineering, Design and Technology, 2019, 17, 862-877.	1.1	6
2318	Development of a Non-Intrusive Load Monitoring Platform for Junior Graduate Students. , 2019, , .		0
2319	Robust Optimization for Power Consumption Strategy of Commercial building Considering Uncertainty of Environmental Factors. , 2019, , .		1
2320	A Performance Improvement Method for Optimal Operation of A Domestic Building Microgrid. , 2019, , .		0
2321	Enhanced Machine Learning Approaches for Diagnosing Building Systems. , 2019, , .		0
2322	PV Self-Consumption Enhancement with Optimal Residential Thermal Energy Management. , 2019, , .		1
2323	Simulation investigation of a heat pump, operating on a low-temperature source of heat and a constant condensation pressure. IOP Conference Series: Materials Science and Engineering, 2019, 656, 012044.	0.3	0
2324	Business model innovation for the energy management of building networks in smart cities. International Journal of Environmental Policy and Decision Making, 2019, 2, 291.	0.1	0
2325	Comparative Analysis of Green Building Rating Standards for Improvement Opportunities. Periodica Polytechnica Architecture, 2019, 50, 41-49.	0.1	5
2326	Proactive Energy Optimization in Residential Buildings with Weather and Market Forecasts. Processes, 2019, 7, 929.	1.3	11
2327	Ventilative cooling potential of buildings in Australia. IOP Conference Series: Materials Science and Engineering, 2019, 609, 032052.	0.3	0
2328	Triple function substation and high-efficiency micro booster heat pump for Ultra Low Temperature District Heating. IOP Conference Series: Materials Science and Engineering, 2019, 609, 052008.	0.3	6

#	ARTICLE	IF	CITATIONS
2329	Building Temperature Control: A Distributed Escort Dynamical approach. , 2019, , .		0
2330	A Comparison of the Environmental Performance of Cooling and Heating among Different Household Types in Chinaâ€™s Hot Summerâ€™Cold Winter Zone. Sustainability, 2019, 11, 5724.	1.6	4
2331	Advanced Bio-Sensing System for Thermal Ambience Comfort. , 2019, , .		1
2332	Game-Theoretic Energy Consumption Planning at Distribution Level for Future Smart Grid. , 2019, , .		1
2333	Distributed Adaptive HVAC Control for Multi-Zone Buildings. , 2019, , .		4
2334	A Statistical Approach for Unsupervised Occupancy Detection and Estimation in Smart Buildings. , 2019, , .		5
2335	Smart cities as drivers of a green economy. , 2019, , 69-92.		2
2336	Site investigation on water cooled chiller plant for energy conservation and environmental impact reduction of a large shopping mall. AIP Conference Proceedings, 2019, , .	0.3	2
2337	Urban densification and housing typology for climate change mitigation. Journal of Physics: Conference Series, 2019, 1343, 012020.	0.3	1
2338	Climate change impact on energy demand in building-urban-atmosphere simulations through the 21st century. Environmental Research Letters, 2019, 14, 125014.	2.2	17
2339	Parallel building: a complex system approach for smart building energy management. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 1452-1461.	8.5	21
2340	Game-Theoretic Control of Energy Consumption Through Optimizing Social Costs for Future Smart Grid. , 2019, , .		1
2341	Steady-State Analysis of HVAC Performance using Indoor Fans in Control Design. , 2019, , .		1
2342	Energy Management through Electromagnetic Conversion. , 0, , .		0
2343	Achieving Energy Efficient Building through Energy Performance Analysis of Building Envelope in Student Housing. Journal of Physics: Conference Series, 2019, 1378, 042023.	0.3	4
2344	Some factors involved in the improvement of building energy consumption: A brief review. , 2019, , .		6
2345	Biogas Consumption Pattern in Indonesia : (A Case Study of Sumedang Community Biogas Plant,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		4
2346	Performance Enhancement of Hybrid Solid Desiccant Cooling Systems by Integrating Solar Water Collectors in Taiwan. Energies, 2019, 12, 3470.	1.6	18

#	ARTICLE	IF	CITATIONS
2347	Scenario-based Model Predictive Control Approach for Heating Systems in an Office Building. , 2019, , .		1
2348	Development of an Agent-Based System for Decentralized Control of District Energy Systems. , 2019, , .		0
2349	Solar energy for heating a building used for offices. AIP Conference Proceedings, 2019, , .	0.3	0
2350	Influence of Granulometry on Thermal and Mechanical Properties of Cement Mortars Containing Expanded Perlite as a Lightweight Aggregate. Materials, 2019, 12, 4013.	1.3	14
2351	Proposal of Physical Models of Multi-HVAC Systems for Energy Efficiency in Smart Buildings. , 2019, , .		2
2352	Estimating Occupancy from Measurements and Knowledge Using the Bayesian Network for Energy Management. Journal of Sensors, 2019, 2019, 1-12.	0.6	13
2353	Suburbs or Skyscrapers? The Effect of China's Leasing Market on Housing Decentralization. Land Economics, 2019, 95, 557-576.	0.5	3
2354	Domain-based Attack Models in Building Automation Systems. , 2019, , .		0
2355	The Amount of Fresh Water Wasted as by Product of Air Conditioning Systems: Case Study in the Kingdom of Bahrain. , 2019, , .		1
2356	Multifunctional and Environmentally Friendly TiO <sub>2</sub> -SiO <sub>2</sub> Mesoporous Materials for Sustainable Green Buildings. Molecules, 2019, 24, 4226.	1.7	12
2357	Learning-based Model Predictive Control for Smart Building Thermal Management. , 2019, , .		4
2358	Optimal Sensor Placement based on Gaussian Process Regression for Shared Office Spaces under Various Ventilation Conditions. , 2019, , .		1
2359	Energy and Economic Analysis of Tropical Building Envelope Material in Compliance with Thailand's Building Energy Code. Sustainability, 2019, 11, 6872.	1.6	9
2360	The effect of phase change material incorporated building wall on the CO <sub>2</sub> mitigation: a case study of Izmir, Turkey. International Journal of Global Warming, 2019, 19, 54.	0.2	7
2361	A System Based on IoT Platforms and Occupancy Monitoring for Energy-Efficient HVAC Management. , 2019, , .		4
2362	Research on Operation Strategy optimization of Ice Storage Air Conditioning System of a Commercial Building. , 2019, , .		1
2363	Deep Learning Technology for Chiller Faults Diagnosis. , 2019, , .		7
2364	Detailed Comparison of the Operational Characteristics of Energy-Conserving HVAC Systems during the Cooling Season. Energies, 2019, 12, 4160.	1.6	10

#	ARTICLE	IF	CITATIONS
2365	Creating Statistics for China's Building Energy Consumption Using an Adapted Energy Balance Sheet. <i>Energies</i> , 2019, 12, 4293.	1.6	9
2366	Optimal Dispatch of Aggregated HVAC Units for Demand Response: An Industry 4.0 Approach. <i>Energies</i> , 2019, 12, 4320.	1.6	20
2367	Transcritical CO2 refrigeration plants: Experimental campaign and model-based evaluations of new technologies. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	2
2368	The combined use of BIM, IR thermography and HFS for energy modelling of existing buildings and minimising heat gain through the building envelope: a case-study from a UAE building. <i>Advances in Building Energy Research</i> , 2021, 15, 709-732.	1.1	10
2369	Photovoltaic Interfaced Shunt Active Power Filter Under Online-Varying Parameters Based On Fuzzy Logic Controller And Adaptive Hysteresis Band Current Controller. , 2019, , .		3
2370	Modeling and Simulation Performance Evaluation of a Proposed Calorimeter for Testing a Heat Pump System. <i>Energies</i> , 2019, 12, 4589.	1.6	1
2371	The Numerical and Experimental Investigation of the Change of the Thermal Conductivity of Expanded Polystyrene at Different Temperatures and Densities. <i>International Journal of Polymer Science</i> , 2019, 2019, 1-9.	1.2	13
2372	Energy-Efficient Window Retrofit for High-Rise Residential Buildings in Different Climatic Zones of China. <i>Sustainability</i> , 2019, 11, 6473.	1.6	27
2373	Retrofitting low-cost heating ventilation and air-conditioning systems for energy management in buildings. <i>Applied Energy</i> , 2019, 236, 648-661.	5.1	22
2374	Performance comparison of two absorption-compression hybrid refrigeration systems using R1234yf/ionic liquid as working pair. <i>Energy Conversion and Management</i> , 2019, 181, 319-330.	4.4	87
2375	Review of in situ methods for assessing the thermal transmittance of walls. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 102, 356-371.	8.2	86
2376	Performance Simulation and Evaluation of Net Zero Energy Buildings in an Australian Coastal Climate. <i>Smart Innovation, Systems and Technologies</i> , 2019, , 343-358.	0.5	0
2377	Analysis of the sensible and total ventilation energy recovery potential in different climate conditions. Application to the Spanish case. <i>Applied Thermal Engineering</i> , 2019, 149, 854-861.	3.0	16
2378	Unique Building Identifier: A natural key for building data matching and its energy applications. <i>Energy and Buildings</i> , 2019, 184, 230-241.	3.1	9
2379	Microbial phyto-power systems " A sustainable integration of phytoremediation and microbial fuel cells. <i>Bioelectrochemistry</i> , 2019, 127, 1-11.	2.4	35
2380	Adaptive thermal comfort model for educational buildings in a hot-humid climate. <i>Building and Environment</i> , 2019, 150, 181-194.	3.0	77
2381	Examining the multiple impacts of technological progress on CO2 emissions in China: A panel quantile regression approach. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 103, 140-150.	8.2	179
2382	A screening methodology for building multiple energy retrofit measures package considering economic and risk aspects. <i>Journal of Cleaner Production</i> , 2019, 208, 1587-1602.	4.6	35

#	ARTICLE	IF	CITATIONS
2383	Mathematical optimisation of location and design of windows by considering energy performance, lighting and privacy of buildings. <i>Smart and Sustainable Built Environment</i> , 2019, 8, 117-137.	2.2	9
2384	The PV potential of vertical façades: A classic approach using experimental data from Burgos, Spain. <i>Solar Energy</i> , 2019, 177, 192-199.	2.9	26
2385	Experimental study on the performance of a novel in-house heat pump water heater with freezing latent heat evaporator and assisted by domestic drain water. <i>Applied Energy</i> , 2019, 235, 442-450.	5.1	17
2386	Mind the energy performance gap: Evidence from green commercial buildings. <i>Resources, Conservation and Recycling</i> , 2019, 141, 364-377.	5.3	43
2387	A NILM algorithm with enhanced disaggregation scheme under harmonic current vectors. <i>Energy and Buildings</i> , 2019, 183, 392-407.	3.1	70
2388	Economic Operation of Thermostatic Loads Under Time Varying Prices: An Optimal Control Approach. <i>IEEE Transactions on Sustainable Energy</i> , 2019, 10, 1960-1970.	5.9	13
2389	Internet of Things and data mining: From applications to techniques and systems. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2019, 9, e1292.	4.6	25
2390	Preparation of beeswax/multi-walled carbon nanotubes as novel shape-stable nanocomposite phase-change material for thermal energy storage. <i>Journal of Energy Storage</i> , 2019, 21, 32-39.	3.9	109
2391	Feature selection and Gaussian Process regression for personalized thermal comfort prediction. <i>Building and Environment</i> , 2019, 148, 448-458.	3.0	44
2392	Environmental impact assessments of heat pump-gas fired water heater hybrid system for space heating application. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 5537-5558.	1.8	8
2393	Development and validation of an HVAC on/off controller in EnergyPlus for energy simulation of residential and small commercial buildings. <i>Energy and Buildings</i> , 2019, 183, 467-483.	3.1	63
2394	An efficient online w-kNN diagnostic strategy for variable refrigerant flow system based on coupled feature selection method. <i>Energy and Buildings</i> , 2019, 183, 222-237.	3.1	17
2395	Dynamic optimization of a district energy system with storage using a novel mixed-integer quadratic programming algorithm. <i>Optimization and Engineering</i> , 2019, 20, 575-603.	1.3	22
2396	LCC Optimization of Different Insulation Materials and Energy Sources Used in HVAC Duct Applications. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 5679-5696.	1.7	7
2397	The impact of policy on residential energy consumption. <i>Energy</i> , 2019, 169, 115-129.	4.5	57
2398	Effects of Using Coconut Fiber-Insulated Masonry Walls to Achieve Energy Efficiency and Thermal Comfort in Residential Dwellings. <i>Journal of Architectural Engineering</i> , 2019, 25, .	0.8	19
2399	Stability investigations of the thermal insulating performance of aerogel blanket. <i>Energy and Buildings</i> , 2019, 185, 103-111.	3.1	36
2400	Operation characteristics of air-air heat pipe inserted plate heat exchanger for heat recovery. <i>Energy and Buildings</i> , 2019, 185, 66-75.	3.1	16

#	ARTICLE	IF	CITATIONS
2401	An application of TPB constructs on energy-saving behavioural intention among university office building occupants: a pilot study in Malaysian tropical climate. <i>Journal of Housing and the Built Environment</i> , 2019, 34, 533-569.	0.9	17
2402	Comparison of 1D and 3D heat and mass transfer models of a counter flow dew point evaporative cooling system: Numerical and experimental study. <i>International Journal of Refrigeration</i> , 2019, 99, 114-125.	1.8	41
2403	Impact of shadow distribution on optimizing insolation exposure of roofs according to harness or transfer of solar energy in Sulaimani city, Iraq. <i>Renewable Energy</i> , 2019, 136, 452-462.	4.3	7
2404	Facilitating sustainability transition through serious games: A systematic literature review. <i>Journal of Cleaner Production</i> , 2019, 208, 924-936.	4.6	99
2405	Energy performance of personalized heating: Numerical case study for a medium sized office building including different envelope qualities and climates. <i>Journal of Building Engineering</i> , 2019, 21, 113-119.	1.6	11
2406	Statistical Methods Applied to Optimize Perforated Façade Design for Daylight Availability. <i>Journal of Architectural Engineering</i> , 2019, 25, 04018034.	0.8	4
2407	Passive actions in the building envelope to enhance sustainability of schools in a Mediterranean climate. <i>Energy</i> , 2019, 167, 144-158.	4.5	35
2408	Thermal and characteristic analysis of shape-stabilization phase change materials by advanced vacuum impregnation method using carbon-based materials. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 70, 281-289.	2.9	23
2409	Experimental study of an ultrasonic regenerative evaporative cooler for a desiccant cooling system. <i>Building Services Engineering Research and Technology</i> , 2019, 40, 151-175.	0.9	11
2410	Grading buildings on energy performance using city benchmarking data. <i>Applied Energy</i> , 2019, 233-234, 244-253.	5.1	97
2411	Energy and environmental payback times for an NZEB retrofit. <i>Building and Environment</i> , 2019, 147, 461-472.	3.0	84
2412	Assessing the trends of energy use of public non-domestic buildings in England and Wales. <i>Building Services Engineering Research and Technology</i> , 2019, 40, 176-197.	0.9	7
2413	Global warming: review on driving forces and mitigation. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, 13-21.	1.3	377
2414	Comparing thermal comfort and air quality performance of two active chilled beam systems in an open-plan office. <i>Journal of Building Engineering</i> , 2019, 22, 56-65.	1.6	27
2415	Comparison of quantitative IRT to estimate U-value using different approximations of ECHTC in multi-leaf walls. <i>Energy and Buildings</i> , 2019, 184, 99-113.	3.1	15
2416	Influences of the mixed LiCl-CaCl <sub>2</sub> liquid desiccant solution on a membrane-based dehumidification system: Parametric analysis and mixing ratio selection. <i>Energy and Buildings</i> , 2019, 183, 592-606.	3.1	23
2417	Thermal comfort evaluation in campus classrooms during room temperature adjustment corresponding to demand response. <i>Building and Environment</i> , 2019, 148, 488-497.	3.0	75
2418	The effect of interactive feedback on attitude and behavior change in setting air conditioners in the workplace. <i>Energy and Buildings</i> , 2019, 183, 739-748.	3.1	11

#	ARTICLE	IF	CITATIONS
2419	Numerical modeling of thermal response of a ground heat exchanger with single U-shaped tube. <i>Science and Technology for the Built Environment</i> , 2019, 25, 525-533.	0.8	3
2420	Prediction of optimum heating timing based on artificial neural network by utilizing BEMS data. <i>Journal of Building Engineering</i> , 2019, 22, 66-74.	1.6	26
2421	Assessment of energy-efficient appliances: A review of the technologies and policies in India's residential sector. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2019, 8, e330.	1.9	8
2422	Performance optimization and benefit analyses of a photovoltaic loop heat pipe/solar assisted heat pump water heating system. <i>Renewable Energy</i> , 2019, 134, 1240-1247.	4.3	33
2423	Energy-saving performance of light shelves under the application of user-awareness technology and light-dimming control. <i>Sustainable Cities and Society</i> , 2019, 44, 582-596.	5.1	27
2424	Outdoor Performance of Fluidic Glass™ Glass Laminate Windows for Building Integration. <i>Energy Technology</i> , 2019, 7, 1800810.	1.8	7
2425	A tuning methodology of Model Predictive Control design for energy efficient building thermal control. <i>Journal of Building Engineering</i> , 2019, 21, 28-36.	1.6	28
2426	Feasibility of a hybrid BIPV/T and thermal wheel system for exhaust air heat recovery: Energy and exergy assessment and multi-objective optimization. <i>Applied Thermal Engineering</i> , 2019, 146, 104-122.	3.0	37
2427	A systematic review on parametric dependencies of transpired solar collector performance. <i>International Journal of Energy Research</i> , 2019, 43, 86-112.	2.2	4
2428	New insulation replacement in buildings™ walls and its impact on air pollution reduction in Tehran. <i>Intelligent Buildings International</i> , 2019, 11, 65-74.	1.3	16
2429	Fast and Accurate Classification of Time Series Data Using Extended ELM: Application in Fault Diagnosis of Air Handling Units. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 1349-1356.	5.9	77
2430	Accurately forecasting temperatures in smart buildings using fewer sensors. <i>Personal and Ubiquitous Computing</i> , 2019, 23, 921-929.	1.9	7
2431	Further Opportunities to Reduce the Energy Use and Greenhouse Gas Emissions of Buildings. <i>Journal of Planning Education and Research</i> , 2019, 39, 315-331.	1.5	9
2432	Experimental investigation on energy saving potential of smart HVAC unit. <i>International Journal of Ambient Energy</i> , 2019, 40, 357-360.	1.4	2
2433	A compositional modeling framework for the optimal energy management of a district network. <i>Journal of Process Control</i> , 2019, 74, 160-176.	1.7	5
2434	The Power of Diversity: Data-Driven Robust Predictive Control for Energy-Efficient Buildings and Districts. <i>IEEE Transactions on Control Systems Technology</i> , 2019, 27, 132-145.	3.2	29
2435	Effects of the radiant heating system location on both the airflow and ventilation efficiency in a room. <i>Indoor and Built Environment</i> , 2019, 28, 372-383.	1.5	14
2436	Simultaneous Detection of Multiple Appliances From Smart-Meter Measurements via Multi-Label Consistent Deep Dictionary Learning and Deep Transform Learning. <i>IEEE Transactions on Smart Grid</i> , 2019, 10, 2969-2978.	6.2	78

#	ARTICLE	IF	CITATIONS
2437	Development, characterization and thermal performance of insulating nonwoven fabrics made from textile waste. <i>Journal of Industrial Textiles</i> , 2019, 48, 1167-1183.	1.1	35
2438	Comparison of artificial neural networks, fuzzy logic and neuro fuzzy for predicting optimization of building thermal consumption: a survey. <i>Artificial Intelligence Review</i> , 2019, 52, 495-525.	9.7	60
2439	Consistently accurate forecasts of temperature within buildings from sensor data using ridge and lasso regression. <i>Future Generation Computer Systems</i> , 2020, 110, 382-392.	4.9	16
2440	Experimental and numerical study on the thermal performance of alternative insulation materials based on textile waste: A finite-difference approach. <i>Journal of Industrial Textiles</i> , 2020, 49, 1281-1303.	1.1	13
2441	Mechanical performance of eco-efficient hollow clay bricks incorporating industrial nano-crystalline aluminium sludge. <i>European Journal of Environmental and Civil Engineering</i> , 2020, 24, 1921-1938.	1.0	6
2442	Sequence of practices in personal and societal rhythms – Showering as a case. <i>Time and Society</i> , 2020, 29, 256-281.	0.8	17
2443	Design and optimization of grid-tied and off-grid solar PV systems for super-efficient electrical appliances. <i>Energy Efficiency</i> , 2020, 13, 291-305.	1.3	14
2444	Use of Lime Mortar and Post-Occupancy Thermal Performance Analysis of Buildings. , 2020, , 302-314.		0
2445	The effects of thermochromic pigments on optical, mechanical, and heat insulation properties of plasticized PVC window film. <i>Journal of Thermoplastic Composite Materials</i> , 2020, 33, 1196-1216.	2.6	6
2446	Mathematical and experimental analysis of the thermal effectiveness of an oscillating jet with side-to-side swing louvers in a cassette split type air conditioner. <i>Indoor and Built Environment</i> , 2020, 29, 240-254.	1.5	5
2447	Water and energy consumption in schools: case studies in Brazil. <i>Environment, Development and Sustainability</i> , 2020, 22, 4225-4249.	2.7	15
2448	Environmental and economic assessment of a low energy consumption household refrigerator. <i>Engineering Science and Technology, an International Journal</i> , 2020, 23, 365-372.	2.0	13
2449	Investigating the effect of using <scp>PCM</scp> in building materials for energy saving: Case study of Sharif Energy Research Institute. <i>Energy Science and Engineering</i> , 2020, 8, 959-972.	1.9	31
2450	Get the Crowd Going: Eliciting and Maintaining Change Readiness Through Solution-Focused Communication. <i>Journal of Change Management</i> , 2020, 20, 35-58.	2.3	11
2451	Multilayer angular optical filter as a smart window. <i>Indian Journal of Physics</i> , 2020, 94, 95-103.	0.9	7
2452	Neural Network Predictive Control of a Vapor Compression Cycle. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 779-796.	1.7	3
2453	Utilizing shallow geothermal energy to develop an energy efficient HVAC system. <i>Renewable Energy</i> , 2020, 147, 672-682.	4.3	24
2454	Numerical analysis and performance investigation of new hybrid system integrating concentrated solar flat plate collector with a thermoelectric generator system. <i>Renewable Energy</i> , 2020, 147, 2077-2090.	4.3	30



#	ARTICLE	IF	CITATIONS
2455	Numerical analysis of the methods for reducing the energy use of air-conditioning systems in non-uniform indoor environments. <i>Building and Environment</i> , 2020, 167, 106442.	3.0	13
2456	The effect of an indoor-outdoor temperature difference on transient cross-ventilation. <i>Building and Environment</i> , 2020, 168, 106447.	3.0	18
2457	Optimization of cool roof and night ventilation in office buildings: A case study in Xiamen, China. <i>Renewable Energy</i> , 2020, 147, 2279-2294.	4.3	35
2458	Effect of R-values changes in the baseline codes: Embodied energy and environmental life cycle impacts of building envelopes. <i>Energy Reports</i> , 2020, 6, 554-560.	2.5	11
2459	An artificial neural network (ANN) expert system enhanced with the electromagnetism-based firefly algorithm (EFA) for predicting the energy consumption in buildings. <i>Energy</i> , 2020, 190, 116370.	4.5	113
2460	Multicriteria evaluation of ecolabels for the energy upgrade of dwellings in Greece. <i>International Journal of Sustainable Energy</i> , 2020, 39, 67-87.	1.3	3
2461	Assessment of reflective insulation systems in wall application in hot-arid climates. <i>Sustainable Cities and Society</i> , 2020, 52, 101734.	5.1	11
2462	A comparison of the thermal comfort performances of a radiation floor cooling system when combined with a range of ventilation systems. <i>Indoor and Built Environment</i> , 2020, 29, 527-542.	1.5	34
2463	A Comparative Analysis of Regression Algorithms for Energy Estimation in Residential Buildings. , 2020, , 300-311.		0
2464	Evolutionary model construction for electricity consumption prediction. <i>Neural Computing and Applications</i> , 2020, 32, 12155-12172.	3.2	4
2465	Assessing the duality of thermal performance and energy efficiency of residential buildings in hot arid climate of Laghouat, Algeria. <i>International Journal of Energy and Environmental Engineering</i> , 2020, 11, 143-162.	1.3	17
2466	Ventilation efficiency assessment according to the variation of opening position in L-shaped rooms. <i>Building Simulation</i> , 2020, 13, 213-221.	3.0	8
2467	Techno-Economical Model Based Optimal Sizing of PV-Battery Systems for Microgrids. <i>IEEE Transactions on Sustainable Energy</i> , 2020, 11, 1657-1668.	5.9	104
2468	Effect of high-performance facades on heating/cooling loads in London, UK office buildings. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2020, 173, 135-150.	0.4	2
2469	An assessment of the impact of natural ventilation strategies and window opening patterns in office buildings in the mediterranean basin. <i>Building and Environment</i> , 2020, 175, 106384.	3.0	40
2470	Numerical simulation and thermal performance of hybrid brick walls embedding a phase change material for passive building applications. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 965-978.	2.0	26
2471	Towards optimal control of air handling units using deep reinforcement learning and recurrent neural network. <i>Building and Environment</i> , 2020, 168, 106535.	3.0	87
2472	Rammed earth, as a sustainable and structurally safe green building: a housing solution in the era of global warming and climate change. <i>Asian Journal of Civil Engineering</i> , 2020, 21, 119-136.	0.8	14

#	ARTICLE	IF	CITATIONS
2473	Impact of chilled ceiling on indoor air distribution in a room with mixing ventilation. <i>Science and Technology for the Built Environment</i> , 2020, 26, 366-376.	0.8	9
2474	Finite element analysis of heat transfer performance of vacuum glazing with low-emittance coatings by using ANSYS. <i>Energy and Buildings</i> , 2020, 206, 109584.	3.1	22
2475	Distributed iterative learning temperature control for multi-zone HVAC system. <i>Journal of the Franklin Institute</i> , 2020, 357, 810-831.	1.9	17
2476	Optimization of building form to reduce incident solar radiation. <i>Journal of Building Engineering</i> , 2020, 28, 101025.	1.6	13
2477	Comparison of methodologies for generation of future weather data for building thermal energy simulation. <i>Energy and Buildings</i> , 2020, 206, 109556.	3.1	34
2478	Numerical investigation on building envelope optimization for low-energy buildings in low latitudes of China. <i>Building Simulation</i> , 2020, 13, 257-269.	3.0	23
2479	VO <sub>2</sub> (M) nanoparticles with controllable phase transition and high nanothermochromic performance. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152655.	2.8	22
2480	Energy performance investigation of net plus energy town: Energy balance of the Jincheon Eco-Friendly energy town. <i>Renewable Energy</i> , 2020, 147, 1784-1800.	4.3	24
2481	Using deep learning approaches with variable selection process to predict the energy performance of a heating and cooling system. <i>Renewable Energy</i> , 2020, 149, 1227-1245.	4.3	29
2482	Exploring the Energy Flexibility of Electric Water Heaters. <i>Energies</i> , 2020, 13, 46.	1.6	10
2483	Ensemble-based extreme learning machine model for occupancy detection with ambient attributes. <i>International Journal of Systems Assurance Engineering and Management</i> , 2020, 11, 173-183.	1.5	17
2484	Prospective life cycle assessment of third-generation photovoltaics at the pre-industrial scale: A long-term scenario approach. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 121, 109703.	8.2	63
2485	Experimental evaluation of calculated energy savings in schools. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 213-220.	2.0	6
2486	Hydration mechanism in Ce-exchanged zeolites and heat release performances upon adsorption of water vapour in support of their potential use in thermochemical storage of energy under mild conditions of adsorbent regeneration and saturation. <i>Microporous and Mesoporous Materials</i> , 2020, 296, 109999.	2.2	16
2487	Trombe walls with phase change materials: A review. <i>Energy Storage</i> , 2020, 2, e123.	2.3	26
2488	Interaction of glazing parameters, climatic condition and interior shadings: performing energy and cost analysis in a residential building in Iran. <i>Energy Efficiency</i> , 2020, 13, 159-176.	1.3	8
2489	Passive building characteristics, and summertime residential energy use: A spatial analysis of energy efficiency in Gainesville, FL. <i>Building and Environment</i> , 2020, 169, 106542.	3.0	15
2490	Economic model predictive control of space heating and dynamic solar shading. <i>Energy and Buildings</i> , 2020, 209, 109661.	3.1	22

#	ARTICLE	IF	CITATIONS
2491	Field study and numerical investigation on heating performance of air carrying energy radiant air-conditioning system in an office. <i>Energy and Buildings</i> , 2020, 209, 109712.	3.1	22
2492	Entropy and exergy analysis of an internally-cooled membrane liquid desiccant dehumidifier. <i>Energy</i> , 2020, 192, 116681.	4.5	17
2493	Potential analysis of the transfer learning model in short and medium-term forecasting of building HVAC energy consumption. <i>Energy</i> , 2020, 193, 116724.	4.5	55
2494	Dimension analysis of subjective thermal comfort metrics based on ASHRAE Global Thermal Comfort Database using machine learning. <i>Journal of Building Engineering</i> , 2020, 29, 101120.	1.6	39
2495	Integrated analysis of the energy and economic efficiency of PCM as an indoor decoration element: Application to an apartment building. <i>Solar Energy</i> , 2020, 196, 437-447.	2.9	51
2496	Energy, indoor air quality, occupant behavior, self-reported symptoms and satisfaction in energy-efficient dwellings in Switzerland. <i>Building and Environment</i> , 2020, 171, 106618.	3.0	42
2497	Combined effects of acoustic, thermal, and illumination on human perception and performance: A review. <i>Building and Environment</i> , 2020, 169, 106593.	3.0	41
2498	Theoretical study on heat transfer characteristics of single screw refrigeration compressor with Multicolumn envelope meshing pair. <i>Applied Thermal Engineering</i> , 2020, 166, 114635.	3.0	7
2499	Preliminary study of passive radiative cooling under Singapore's tropical climate. <i>Solar Energy Materials and Solar Cells</i> , 2020, 206, 110270.	3.0	56
2500	A predictive TRNSYS model for long-term operation of a hybrid ground source heat pump system with innovative horizontal buried pipe type. <i>Renewable Energy</i> , 2020, 151, 1046-1054.	4.3	43
2501	Optimization of energy saving with adaptive setpoint temperatures by calculating the prevailing mean outdoor air temperature. <i>Building and Environment</i> , 2020, 170, 106612.	3.0	28
2502	Experimental performance evaluation of a composite superabsorbent polymer coated heat exchanger based air dehumidification system. <i>Applied Energy</i> , 2020, 260, 114256.	5.1	47
2503	Concentration of Alkaline Hydrogen Peroxide (AHP) Affects the Recycle of the Liquid Fraction in the Pre-treatment and Enzymatic Hydrolysis of Corn Stover. <i>Waste and Biomass Valorization</i> , 2020, 11, 6179-6188.	1.8	6
2504	Real-time carbon emission monitoring in prefabricated construction. <i>Automation in Construction</i> , 2020, 110, 102945.	4.8	42
2505	Urban heat island impact on state residential energy cost and CO2 emissions in the United States. <i>Urban Climate</i> , 2020, 31, 100546.	2.4	62
2506	Do general pro-environmental behaviour, attitude, and knowledge contribute to energy savings and climate change mitigation in the residential sector?. <i>Energy</i> , 2020, 193, 116784.	4.5	40
2507	A load-disaggregation framework to sense personalized energy-use information in commercial buildings. <i>Energy and Buildings</i> , 2020, 207, 109633.	3.1	9
2508	Bayesian updates for indoor thermal comfort models. <i>Journal of Building Engineering</i> , 2020, 29, 101117.	1.6	17

#	ARTICLE	IF	CITATIONS
2509	Review on window-glazing technologies and future prospects. <i>International Journal of Low-Carbon Technologies</i> , 2020, 15, 112-120.	1.2	65
2510	Influence of moisture content on the thermophysical properties of tropical wood species. <i>Heat and Mass Transfer</i> , 2020, 56, 1365-1378.	1.2	11
2511	High-power impulse magnetron sputtering deposition of high crystallinity vanadium dioxide for thermochromic smart windows applications. <i>Ceramics International</i> , 2020, 46, 8145-8153.	2.3	23
2512	Ventilated skycourts to enhance energy savings in high-rise office buildings. <i>Architectural Science Review</i> , 2020, 63, 175-193.	1.1	6
2513	Deposition of dry particles on a fin-and-tube heat exchanger by a coupled soft-sphere DEM and CFD. <i>International Journal of Heat and Mass Transfer</i> , 2020, 149, 119046.	2.5	10
2514	Towards non-intrusive and high accuracy prediction of personal thermal comfort using a few sensitive physiological parameters. <i>Energy and Buildings</i> , 2020, 207, 109594.	3.1	46
2515	Sectorial study of technological progress and CO2 emission: Insights from a developing economy. <i>Technological Forecasting and Social Change</i> , 2020, 151, 119862.	6.2	78
2516	Integrating building shape optimization into the architectural design process. <i>Architectural Science Review</i> , 2020, 63, 63-73.	1.1	9
2517	Thermally controllable demand response with multiple load aggregators. <i>Electric Power Systems Research</i> , 2020, 179, 106102.	2.1	13
2518	Assessing unregulated electricity consumption in a case study university. <i>Building Services Engineering Research and Technology</i> , 2020, 41, 305-314.	0.9	6
2519	Recognition of Variable-Speed Equipment in an Air-Conditioning System Using Numerical Analysis of Energy-Consumption Data. <i>Energies</i> , 2020, 13, 4975.	1.6	3
2520	Adaptive building roof by coupling thermochromic material and phase change material: Energy performance under different climate conditions. <i>Construction and Building Materials</i> , 2020, 262, 120481.	3.2	52
2521	Developing data-driven models for energy-efficient heating design in office buildings. <i>Journal of Building Engineering</i> , 2020, 32, 101778.	1.6	8
2522	Air conditioning system with enthalpy recovery for space heating and air humidification: An experimental and numerical investigation. <i>Energy</i> , 2020, 213, 118789.	4.5	12
2523	Evaluation of School Building Energy Performance and Classroom Indoor Environment. <i>Energies</i> , 2020, 13, 2489.	1.6	21
2524	Enhancing the mechanical and thermal properties of aerated geopolymer concrete using porous lightweight aggregates. <i>Construction and Building Materials</i> , 2020, 264, 120713.	3.2	48
2525	Thermal conductivity of two kinds of earthen building materials formerly used in Algeria. <i>Journal of Building Engineering</i> , 2020, 32, 101823.	1.6	8
2526	Machine learning applications in urban building energy performance forecasting: A systematic review. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 133, 110287.	8.2	132

#	ARTICLE	IF	CITATIONS
2527	Recent Progress in the Abatement of Hazardous Pollutants Using Photocatalytic TiO <sub>2</sub> -Based Building Materials. <i>Nanomaterials</i> , 2020, 10, 1854.	1.9	44
2528	The Influence of Building Renovations on Indoor Comfort—A Field Test in an Apartment Building. <i>Energies</i> , 2020, 13, 4958.	1.6	7
2529	From concept to application: A review of use cases in urban building energy modeling. <i>Applied Energy</i> , 2020, 279, 115738.	5.1	109
2530	Renewable energy and energy conservation area policy (REECAP) framework: A novel methodology for bottom-up and top-down principles integration. <i>Energy Strategy Reviews</i> , 2020, 32, 100544.	3.3	9
2531	Highly Efficient All-Solid-State WO <sub>3</sub> -Perovskite Photovoltachromic Cells for Single-Glass Smart Windows. <i>ACS Applied Energy Materials</i> , 2020, 3, 10453-10462.	2.5	19
2532	Exploring Managerial Perspectives of Using Building Management System through TAM: An Empirical Study of Commercial Sector of Pakistan. <i>Periodica Polytechnica: Civil Engineering</i> , 2020, , .	0.6	2
2533	Physicochemical characterisation of bio-based insulation to explain their hygrothermal behaviour. <i>Construction and Building Materials</i> , 2020, 258, 120163.	3.2	4
2534	Enhancing operational performance of AHUs through an advanced fault detection and diagnosis process based on temporal association and decision rules. <i>Energy and Buildings</i> , 2020, 226, 110369.	3.1	38
2535	Optimization-Based Data-Enabled Modeling Technique for HVAC Systems Components. <i>Buildings</i> , 2020, 10, 163.	1.4	12
2536	Empirical and Comparative Validation for a Building Energy Model Calibration Methodology. <i>Sensors</i> , 2020, 20, 5003.	2.1	30
2537	Reinforcement learning for whole-building HVAC control and demand response. <i>Energy and AI</i> , 2020, 2, 100020.	5.8	110
2538	Review on passive daytime radiative cooling: Fundamentals, recent researches, challenges and opportunities. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 133, 110263.	8.2	84
2539	Advances in multifunctional balanced ventilation technology for dwellings and arising challenge to quantify energy efficiency and renewable generation contributions using international test standards. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 134, 110327.	8.2	4
2540	Artificial neural network structure optimisation for accurately prediction of exergy, comfort and life cycle cost performance of a low energy building. <i>Applied Energy</i> , 2020, 280, 115862.	5.1	26
2541	Light-years apart: Energy usage by schools across the South African affluence divide. <i>Energy Research and Social Science</i> , 2020, 70, 101692.	3.0	8
2542	Climate change impacts on trends and extremes in future heating and cooling demands over Europe. <i>Energy and Buildings</i> , 2020, 226, 110397.	3.1	63
2543	External wind on the optimum designing parameters of a wall solar chimney in building. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 42, 100842.	1.7	12
2544	Analysis of the Impact of the Use Profile of HVAC Systems Established by the Spanish Standard to Assess Residential Building Energy Performance. <i>Sustainability</i> , 2020, 12, 7153.	1.6	3

#	ARTICLE	IF	CITATIONS
2545	Nationwide HVAC energy-saving potential quantification for office buildings with occupant-centric controls in various climates. <i>Applied Energy</i> , 2020, 279, 115727.	5.1	80
2546	Impact of meteorological factors on high-rise office building energy consumption in Hong Kong: From a spatiotemporal perspective. <i>Energy and Buildings</i> , 2020, 228, 110468.	3.1	42
2547	Supervisory control of building heating system with insulation changes using three architectures of neural networks. <i>Journal of the Franklin Institute</i> , 2020, 357, 13362-13385.	1.9	3
2548	Design and implementation of low power bio signal sensors for wireless body sensing network applications. <i>Microprocessors and Microsystems</i> , 2020, 79, 103271.	1.8	29
2549	Upscaling of spatial energy planning, phases, methods, and techniques: A systematic review through meta-analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 132, 110036.	8.2	6
2550	Determining key drivers of efficient electricity management practices in public universities in Southwestern Nigeria. <i>International Journal of Sustainability in Higher Education</i> , 2020, 21, 281-314.	1.6	17
2551	Energy-Saving Potential of Extending Temperature Set-Points in a VRF Air-Conditioned Building. <i>Energies</i> , 2020, 13, 2160.	1.6	9
2552	Cross-overlapped flat-silver/hexagonal boron nitride for translucent heat-reflective coatings. <i>Applied Materials Today</i> , 2020, 20, 100764.	2.3	5
2553	Energy Performance Certification: Misassessment due to assuming default heat losses. <i>Energy and Buildings</i> , 2020, 224, 110229.	3.1	20
2554	Gray-box virtual sensor of the supply air temperature of air handling units. <i>Science and Technology for the Built Environment</i> , 2020, 26, 1151-1162.	0.8	14
2555	Comparison of Material-Technical Solution of Masonry Family House by Two Different Calculating LCA Approaches. <i>International Journal of Engineering Research in Africa</i> , 2020, 47, 69-76.	0.7	0
2556	Airtightness measurement of an outdoor chamber using the Pulse and blower door methods under various wind and leakage scenarios. <i>Building and Environment</i> , 2020, 179, 106950.	3.0	14
2557	A materials perspective on radiative cooling structures for buildings. <i>Solar Energy</i> , 2020, 207, 247-269.	2.9	63
2558	Bio-inspired cooling technologies and the applications in buildings. <i>Energy and Buildings</i> , 2020, 225, 110313.	3.1	34
2559	Thermal performance based optimization of an office wall containing PCM under intermittent cooling operation. <i>Applied Thermal Engineering</i> , 2020, 179, 115750.	3.0	92
2560	Transition from traditional historic urban block to positive energy block. <i>Energy</i> , 2020, 202, 117485.	4.5	21
2561	Experimental investigation on vapor liquid equilibrium and azeotropic behavior for the 1,1,1,2-tetrafluoroethane (R134a)+Propane (R290) system at temperatures from 253.15 to 303.15 K. <i>International Journal of Refrigeration</i> , 2020, 120, 209-220.	1.8	0
2562	Experimental Long-Term Investigation of Model Predictive Heat Pump Control in Residential Buildings with Photovoltaic Power Generation. <i>Energies</i> , 2020, 13, 6016.	1.6	5

#	ARTICLE	IF	CITATIONS
2563	Thermal behavior and structure stability analysis of Indonesian natural zeolite. AIP Conference Proceedings, 2020, , .	0.3	1
2564	The relationship between the concepts of sharing economy and smart cities: the case of shared mobility and smart transport. International Journal of Sustainable Society, 2020, 12, 152.	0.0	7
2565	A Behavioral-Based Machine Learning Approach for Predicting Building Energy Consumption. , 2020, , .		0
2566	Toward Sustainable Energy-Independent Buildings Using Internet of Things. Energies, 2020, 13, 5954.	1.6	8
2567	Using PCM in Two Proposed Residential Buildings in Christchurch, New Zealand. Energies, 2020, 13, 6025.	1.6	9
2568	A data-driven modeling and analysis approach to test the resilience of green buildings to uncertainty in operation patterns. Energy Science and Engineering, 2020, 8, 4250-4269.	1.9	7
2569	Data-centric innovation in retrofit: A bibliometric review of dwelling retrofit across North Western Europe. Energy and Buildings, 2020, 229, 110474.	3.1	9
2570	Climate Change and Environmental Awareness: a Study of Energy Consumption among the Residents of Abu Dhabi, UAE. Perspectives on Global Development and Technology, 2020, 18, 564-582.	0.2	5
2571	Evaporation-Driven Crystallization Method to Promote Coalescence-Induced Jumping on Superhydrophobic Surfaces. Langmuir, 2020, 36, 9843-9848.	1.6	11
2572	A TOPSIS optimization for the indoor thermal environment through oscillating airflow generated from a cassette split type air conditioner. Indoor and Built Environment, 2021, 30, 1200-1210.	1.5	4
2573	Development of structural layers PVC incorporating phase change materials for thermal energy storage. Applied Thermal Engineering, 2020, 179, 115707.	3.0	11
2574	Global comparison of building energy use data within the context of climate change. Energy and Buildings, 2020, 226, 110362.	3.1	34
2575	A Supervisory Model Predictive Control Framework for Dual Temperature Setpoint Optimization. , 2020, , .		0
2576	New concepts and applications of solar PV systems. , 2020, , 349-390.		2
2577	Model predictive control of building energy systems with thermal energy storage in response to occupancy variations and time-variant electricity prices. Energy and Buildings, 2020, 225, 110291.	3.1	31
2578	Multi-objective optimization of underfloor air distribution (UFAD) systems performance in a densely occupied environment: A combination of numerical simulation and Taguchi algorithm. Journal of Building Engineering, 2020, 32, 101495.	1.6	14
2579	Modeling and Implementation of an Adaptive Facade Design for Energy Efficiently Buildings Based Biomimicry. , 2020, , .		9
2580	Smart Energy-Aware Manufacturing Plant Scheduling under Uncertainty: A Risk-Based Multi-Objective Robust Optimization Approach. Energy, 2020, 209, 118385.	4.5	38

#	ARTICLE	IF	CITATIONS
2581	Use of Information Model in Creating the Investment-Construction Project. IOP Conference Series: Materials Science and Engineering, 2020, 728, 012013.	0.3	3
2582	Enhancing performance of wall mounted split air conditioner using capillary tube in a tube heat exchanger. IOP Conference Series: Materials Science and Engineering, 2020, 830, 042033.	0.3	0
2583	Visualization and prediction of energy consumption in smart homes. International Journal of Hybrid Intelligent Systems, 2020, 16, 81-97.	0.9	4
2584	Analysis of the Impact of Different Variables on the Energy Demand in Office Buildings. Sustainability, 2020, 12, 5347.	1.6	2
2585	UAV + BIM: Incorporation of Photogrammetric Techniques in Architectural Projects with Building Information Modeling Versus Classical Work Processes. Remote Sensing, 2020, 12, 2329.	1.8	25
2586	Energy and Environmental Comparison between a Concrete Wall with and without a Living Green Wall: A Case Study in Mexicali, Mexico. Sustainability, 2020, 12, 5265.	1.6	3
2587	A chronological review of advances in solar assisted heat pump technology in 21st century. Renewable and Sustainable Energy Reviews, 2020, 132, 110132.	8.2	49
2588	Energy and economic assessment of a solar air-conditioning process for thermal comfort requirements. Solar Energy, 2020, 208, 101-114.	2.9	11
2589	Energy Consumption Prediction using Data Stream Learning for Commercial Buildings. , 2020, , .		1
2590	Solar infrared radiation towards building energy efficiency: measurement, data, and modeling. Environmental Reviews, 2020, 28, 457-465.	2.1	6
2591	Evaluation of thermal comfort standards in office buildings of Chile: Thermal sensation and preference assessment. Building and Environment, 2020, 183, 107158.	3.0	18
2592	Experimental measurements of the residual solidification duration of a supercooled sodium acetate trihydrate. International Journal of Thermal Sciences, 2020, 158, 106544.	2.6	10
2593	A Distributed Optimization Method for Energy Saving of Parallel-Connected Pumps in HVAC Systems. Energies, 2020, 13, 3927.	1.6	4
2594	Simulated Annealing Wrapped Generic Ensemble Fault Diagnostic Strategy for VRF System. Energy and Buildings, 2020, 224, 110281.	3.1	6
2595	Energy performance evaluation and comparison of sampled Brazilian bank buildings with the existing and proposed energy rating systems. Energy and Buildings, 2020, 225, 110304.	3.1	4
2596	Quantifying the flexibility of lighting systems by optimal control in commercial buildings: Insight from a case study. Energy and Buildings, 2020, 225, 110310.	3.1	17
2597	A practical review of alternatives to the steady pressurisation method for determining building airtightness. Renewable and Sustainable Energy Reviews, 2020, 132, 110049.	8.2	18
2598	Use of a numerical weather prediction model as a meteorological source for the estimation of heating demand in building thermal simulations. Sustainable Cities and Society, 2020, 62, 102403.	5.1	8



#	ARTICLE	IF	CITATIONS
2599	Improved Method for Approximation of Heating and Cooling Load in Urban Buildings for Energy Performance Enhancement. <i>Electric Power Components and Systems</i> , 2020, 48, 436-446.	1.0	3
2600	Online simplified model and experimental comparison of CFB boiler thermal efficiency. <i>Applied Thermal Engineering</i> , 2020, 171, 115021.	3.0	8
2601	Formulation of Coefficient of Performance Characteristics of Water-cooled Chillers and Evaluation of Composite COP for Combined Chillers. <i>Energies</i> , 2020, 13, 1182.	1.6	3
2602	Energy-efficient mitigation measures for improving indoor thermal comfort during heat waves. <i>Applied Energy</i> , 2020, 278, 115620.	5.1	24
2603	Hybrid Multiobjective Optimization Using Deterministic and Metaheuristic Techniques for Flowback Water Reusing in Hydraulic Fracturing Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 15298-15308.	1.8	11
2604	Parametric study of a sustainable cooling system integrating phase change material energy storage for buildings. <i>Journal of Energy Storage</i> , 2020, 32, 101972.	3.9	18
2605	Effect of air change rate on particle dispersion from inlet opening under varying particle source strengths. <i>International Journal of Ventilation</i> , 2020, , 1-18.	0.2	1
2606	Analysis of occupant behaviour in the use of air-conditioners in public buildings in developing countries: evidence from Ghana. <i>International Journal of Building Pathology and Adaptation</i> , 2020, 39, 259-282.	0.7	4
2607	Experimental study on a fresh air heat pump desiccant dehumidification system using rejected heat. <i>Applied Thermal Engineering</i> , 2020, 179, 115742.	3.0	21
2608	Simulation study for natural ventilation retrofitting techniques in educational classrooms "A case study. <i>Heliyon</i> , 2020, 6, e05171.	1.4	12
2609	Research on EA-Xgboost Hybrid Model for Building Energy Prediction. <i>Journal of Physics: Conference Series</i> , 2020, 1518, 012082.	0.3	11
2610	Measurement and verification analysis on the energy performance of a retrofit residential building after energy efficiency measures using RETScreen Expert. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 4643-4657.	3.4	14
2611	Energy Forecasting with Building Characteristics Analysis. , 2020, , .		0
2612	Reinforcement Learning for Building Energy Optimization Through Controlling of Central HVAC System. <i>IEEE Open Access Journal of Power and Energy</i> , 2020, 7, 320-328.	2.5	16
2613	On the influence of concrete-straw-plaster envelope thermal mass on the cooling and heating loads for different climatic zones of India. <i>Journal of Cleaner Production</i> , 2020, 276, 123117.	4.6	14
2614	Impact assessment of window to wall ratio on energy consumption of an office building of subtropical monsoon climatic country Bangladesh. <i>International Journal of Construction Management</i> , 2022, 22, 2528-2553.	2.2	11
2615	Demand response through automated air conditioning in commercial buildings" a data-driven approach. <i>Business Research</i> , 2020, 13, 1491-1525.	4.0	0
2616	Plasmonic Oxygen-deficient TiO <sub>2</sub> Nanocrystals for Dual-Band Electrochromic Smart Windows with Efficient Energy Recycling. <i>Advanced Materials</i> , 2020, 32, e2004686.	11.1	155

#	ARTICLE	IF	CITATIONS
2617	Comparison of Multi-Control Strategies for the Control of Indoor Air Temperature and CO2 with OpenModelica Modeling. <i>Energies</i> , 2020, 13, 4425.	1.6	5
2618	Frequency Analysis of Solar PV Power to Enable Optimal Building Load Control. <i>Energies</i> , 2020, 13, 4593.	1.6	1
2619	A novel solar cooling cycle – A ground coupled PV/T desiccant cooling (GPVTDC) system with low heat source temperatures. <i>Renewable Energy</i> , 2020, 162, 1273-1284.	4.3	17
2620	Method of power consumption calculation of air conditioning systems on the basis of probability-statistic climate model. <i>E3S Web of Conferences</i> , 2020, 164, 02015.	0.2	0
2621	Field-based Analyses on Approach Temperatures for Performance Evaluation of Centralized Air Conditioning System in a Shopping Mall Building. <i>Journal of Physics: Conference Series</i> , 2020, 1569, 032041.	0.3	1
2622	Intelligent systems applied to buildings' management. , 2020, , .		4
2623	Fostering Sustainability through Visualization Techniques for Real-Time IoT Data: A Case Study Based on Gas Turbines for Electricity Production. <i>Sensors</i> , 2020, 20, 4556.	2.1	5
2624	Low-income load profile development using occupancy and occupants' activities in residential households. , 2020, , .		1
2625	Heating Performance Analysis of an Air-to-Water Heat Pump Using Underground Air for Greenhouse Farming. <i>Energies</i> , 2020, 13, 3863.	1.6	11
2626	Femtosecond Laser-Induced Vanadium Oxide Metamaterial Nanostructures and the Study of Optical Response by Experiments and Numerical Simulations. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 41905-41918.	4.0	21
2627	A Comprehensive Survey about Thermal Comfort under the IoT Paradigm: Is Crowdsensing the New Horizon?. <i>Sensors</i> , 2020, 20, 4647.	2.1	20
2628	On-site study the influences of load factor on power consumption and performance of air conditioning system for a commercial building. <i>Journal of Physics: Conference Series</i> , 2020, 1450, 012101.	0.3	0
2629	Aluminum Metal–Organic Frameworks with Photocatalytic Antibacterial Activity for Autonomous Indoor Humidity Control. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 46057-46064.	4.0	43
2630	Renewable Energy Application for Solar Air Conditioning. , 2020, , .		1
2631	Integration of a practical model to assess the local urban interactions in building energy simulation with a street canyon. <i>Journal of Building Performance Simulation</i> , 2020, 13, 720-739.	1.0	12
2632	A new approach for the mandatory application of the thermal regulation of construction (RTCM) in the future moroccan buildings. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	8
2633	Solar Thermal Energy Storage Using Paraffins as Phase Change Materials for Air Conditioning in the Built Environment. , 0, , .		3
2634	Estimating cooling production and monitoring efficiency in chillers using a soft sensor. <i>Neural Computing and Applications</i> , 2020, 32, 17291-17308.	3.2	12

#	ARTICLE	IF	CITATIONS
2635	Durable and Controllable Smart Windows Based on Thermochromic Hydrogels. ACS Applied Materials & Interfaces, 2020, 12, 42193-42201.	4.0	49
2636	Hierarchical Model Predictive Control for complex building energy systems. Bauphysik, 2020, 42, 306-314.	1.2	8
2637	Environmental monitoring and thermal performance of New Zealand rental housing: an exploratory study. Intelligent Buildings International, 2022, 14, 45-53.	1.3	1
2638	An Air Balancing Method Using Artificial Neural Networks for the Ventilation System. , 2020, , .		0
2639	Temporal and Spectral Analysis on the Performance of Solar Windows Film in Office Buildings in a Hot-Dry Climate. , 2020, , .		1
2640	Nonintrusive Load Monitoring of Variable Speed Drive Cooling Systems. IEEE Access, 2020, 8, 211451-211463.	2.6	6
2641	Improving the Estimation of Smart Homes Energy Consumption by Clustering the Correlated Loads. , 2020, , .		0
2642	Demand Response Control of Space Heating in Three Different Building Types in Finland and Germany. Energies, 2020, 13, 6296.	1.6	11
2643	The Data-Driven Multi-Step Approach for Dynamic Estimation of Buildings' Interior Temperature. Energies, 2020, 13, 6654.	1.6	8
2644	Numerical Investigation of the Pressure Drop Characteristics of Isothermal Ice Slurry Flow under Variable Ice Particle Diameter. Journal of Chemistry, 2020, 2020, 1-13.	0.9	4
2645	Literature Review on Energy Consumption in Road Construction Projects. Journal of Physics: Conference Series, 2020, 1625, 012034.	0.3	1
2646	Building and Urban Cooling Performance Indexes of Wetted and Green Roofs" A Case Study under Current and Future Climates. Energies, 2020, 13, 6192.	1.6	7
2647	An Exact Algorithm for the Optimal Chiller Loading Problem and Its Application to the Optimal Chiller Sequencing Problem. Energies, 2020, 13, 6372.	1.6	8
2648	Improvement of heat storage performance and electricity consumption reduction of porous feldspar mixture. Experimental Heat Transfer, 2020, , 1-17.	2.3	0
2649	Design Corrections in Spanish Office Buildings to Improve Energy Efficiency in the Face of Climate Change. Infrastructures, 2020, 5, 114.	1.4	0
2650	Post Energy Audit of Two Mosques as a Case Study of Intermittent Occupancy Buildings: Toward more Sustainable Mosques. Sustainability, 2020, 12, 10111.	1.6	11
2651	Distributed Adaptive Control of Air Handling Units for Interconnected Building Zones. , 2020, , .		5
2652	Investigations towards lower cooling load in a typical residential building in Kurdistan (Iraq). Energy Reports, 2020, 6, 571-580.	2.5	5

#	ARTICLE	IF	CITATIONS
2653	Modeling of Lighting Load in Office and Living Area Based on Multi-region. Journal of Physics: Conference Series, 2020, 1575, 012214.	0.3	0
2654	Business model for the optimization of energy consumption by VAC equipment in service sector buildings. IOP Conference Series: Materials Science and Engineering, 2020, 844, 012049.	0.3	0
2655	Processability of the device of exploited roofs with greening systems. IOP Conference Series: Materials Science and Engineering, 2020, 869, 022009.	0.3	0
2656	Evaluation of Using the Ceiling and Wall Spots Ventilation System on Indoor Thermal Environment. IOP Conference Series: Materials Science and Engineering, 2020, 881, 012056.	0.3	1
2657	Design of an on-off control system and a new display via internet based on Arduino Uno with application to window A/C. IOP Conference Series: Materials Science and Engineering, 2020, 830, 042021.	0.3	0
2658	Measured and Simulated Energy Use in a Secondary School Building in Sweden—A Case Study of Validation, Airing, and Occupancy Behaviour. Energies, 2020, 13, 2325.	1.6	17
2659	Development and Evaluation of Occupancy-Aware HVAC Control for Residential Building Energy Efficiency and Occupant Comfort. Energies, 2020, 13, 5396.	1.6	32
2660	Experimental Investigation of Desiccant Dehumidification Cooling System for Climatic Conditions of Multan (Pakistan). Energies, 2020, 13, 5530.	1.6	16
2661	On the Ventilation Performance of Low Momentum Confluent Jets Supply Device in a Classroom. Energies, 2020, 13, 5415.	1.6	7
2662	A study on the energy-saving potential of university campuses in Turkey. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2020, 173, 379-396.	0.4	4
2663	The Cost-Optimal Analysis of a Multistory Building in the Mediterranean Area: Financial and Macroeconomic Projections. Energies, 2020, 13, 1243.	1.6	4
2664	Design simulation of a novel fluid based footstep energy harvesting system. Sustainable Energy Technologies and Assessments, 2020, 39, 100708.	1.7	8
2665	Artificial Intelligence for Efficient Thermal Comfort Systems: Requirements, Current Applications and Future Directions. Frontiers in Built Environment, 2020, 6, .	1.2	44
2666	LSTM-based indoor air temperature prediction framework for HVAC systems in smart buildings. Neural Computing and Applications, 2020, 32, 17569-17585.	3.2	59
2667	A PMV-based HVAC control strategy for office rooms subjected to solar radiation. Building and Environment, 2020, 177, 106863.	3.0	40
2668	System performance analysis of a hybrid ground source heat pump with optimal control strategies based on numerical simulations. Geothermics, 2020, 86, 101849.	1.5	29
2669	Multi-criteria optimization of an earth-air heat exchanger for different French climates. Renewable Energy, 2020, 157, 342-352.	4.3	17
2670	Wind-driven pumping flow ventilation of highrise buildings: Effects of upstream building arrangements and opening area ratios. Science of the Total Environment, 2020, 722, 137924.	3.9	13

#	ARTICLE	IF	CITATIONS
2671	Automatic Energy-Saving Operations System Using Robotic Process Automation. <i>Energies</i> , 2020, 13, 2342.	1.6	9
2672	Vision-Based Contactless Pose Estimation for Human Thermal Discomfort. <i>Atmosphere</i> , 2020, 11, 376.	1.0	15
2673	Model Simplification on Energy and Comfort Simulation Analysis for Residential Building Design in Hot and Arid Climate. <i>Energies</i> , 2020, 13, 1876.	1.6	18
2674	High-Throughput Stamping of Hybrid Functional Surfaces. <i>Langmuir</i> , 2020, 36, 5730-5744.	1.6	23
2675	Experimental comparison of local low velocity unit combined with radiant panel and diffuse ceiling ventilation systems. <i>Indoor and Built Environment</i> , 2020, 29, 895-914.	1.5	14
2676	Short-Term Load Forecasting Using Smart Meter Data: A Generalization Analysis. <i>Processes</i> , 2020, 8, 484.	1.3	34
2677	Airflow Direction Control of Air Conditioners Using Deep Reinforcement Learning. , 2020, , .		7
2678	Robust scheduling of multi-chiller system with chilled-water storage under hourly electricity pricing. <i>Energy and Buildings</i> , 2020, 218, 110058.	3.1	18
2679	Drivers and Challenges Associated With the Implementation of Big Data Within U.K. Facilities Management Sector: An Exploratory Factor Analysis Approach. <i>IEEE Transactions on Engineering Management</i> , 2022, 69, 916-929.	2.4	17
2680	Application of the bin weather data for building energy analysis in the tropics. <i>Energy Efficiency</i> , 2020, 13, 935-953.	1.3	4
2681	Short-term prediction of building energy consumption employing an improved extreme gradient boosting model: A case study of an intake tower. <i>Energy</i> , 2020, 203, 117756.	4.5	68
2682	A virtual sensor based self-adjusting control for HVAC fast demand response in commercial buildings towards smart grid applications. <i>Applied Energy</i> , 2020, 269, 115103.	5.1	49
2683	A simplified prediction model for energy use of air conditioner in residential buildings based on monitoring data from the cloud platform. <i>Sustainable Cities and Society</i> , 2020, 60, 102194.	5.1	36
2684	Modeling the spatial relation between urban morphology, land surface temperature and urban energy demand. <i>Sustainable Cities and Society</i> , 2020, 60, 102246.	5.1	26
2685	Simultaneous structural and operating optimization of process flowsheets combining process simulators and metaheuristic techniques: The case of solar-grade silicon process. <i>Computers and Chemical Engineering</i> , 2020, 140, 106946.	2.0	11
2686	Performance analysis of a membrane dehumidifier system subject to component characteristics â€” a numerical model. <i>Science and Technology for the Built Environment</i> , 2020, 26, 987-999.	0.8	4
2687	The influence of acclimatization, age and gender-related differences on thermal perception in university buildings: Case studies in Scotland and England. <i>Building and Environment</i> , 2020, 179, 106933.	3.0	45
2688	Water adsorption behavior of Indonesian natural zeolite based on NaOH treatment: A preliminary study. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	2

#	ARTICLE	IF	CITATIONS
2689	DeepComfort: Energy-Efficient Thermal Comfort Control in Buildings Via Reinforcement Learning. IEEE Internet of Things Journal, 2020, 7, 8472-8484.	5.5	127
2690	Evaluating Energy Efficiency of Buildings using Artificial Neural Networks and K-means Clustering Techniques. , 2020, , .		2
2691	Energy & economic assessment of facade-integrated solar thermal systems combined with ultra-low temperature district-heating. Renewable Energy, 2020, 159, 1000-1014.	4.3	18
2692	Development of a small-scale test facility for effectiveness evaluation of fixed-bed regenerators. Applied Thermal Engineering, 2020, 174, 115263.	3.0	19
2693	Implementation of BIM Modelling and Simulation Tools in Reducing Annual Energy Consumption of Multifamily Dwellings. E3S Web of Conferences, 2020, 170, 01002.	0.2	0
2694	Hybrid mixed ventilation system aided with personalised ventilation to attain comfort and save energy. International Journal of Sustainable Energy, 2020, 39, 964-981.	1.3	13
2695	Energy Disaggregation Using Two-Stage Fusion of Binary Device Detectors. Energies, 2020, 13, 2148.	1.6	15
2696	Intelligent buildings: An overview. Energy and Buildings, 2020, 223, 110192.	3.1	65
2697	A method for evaluating both shading and power generation effects of rooftop solar PV panels for different climate zones of China. Solar Energy, 2020, 205, 432-445.	2.9	41
2698	Depletion of Lubricant from Nanostructured Oil-Infused Surfaces by Pendant Condensate Droplets. ACS Nano, 2020, 14, 8024-8035.	7.3	68
2699	Potential application of using vortex ring for personalized ventilation. Indoor Air, 2020, 30, 1296-1307.	2.0	8
2700	Adaptive model predictive climate control of multi-unit buildings using weather forecast data. Journal of Building Engineering, 2020, 32, 101449.	1.6	8
2701	Potential low powered smart window coating using a stoichiometrically downgraded vanadium oxide thin film structure. AIP Advances, 2020, 10, 065201.	0.6	1
2702	Operational Efficiency Improvement of PEM Fuel Cell – A Sliding Mode Based Modern Control Approach. IEEE Access, 2020, 8, 95823-95831.	2.6	20
2703	Development of a low-cost movable hot box for a preliminary definition of the thermal conductance of building envelopes. Building and Environment, 2020, 180, 107034.	3.0	8
2704	Power control and simulation of a building integrated stand-alone hybrid PV-wind-battery system in Kasuga City, Japan. Energy Reports, 2020, 6, 1528-1544.	2.5	44
2705	Nanocoating: An Energy Efficient Solution Towards Reducing Buildings Electrical Consumption In The State Of Kuwait. , 2020, , .		0
2706	Performance Evaluation of Two Machine Learning Techniques in Heating and Cooling Loads Forecasting of Residential Buildings. Applied Sciences (Switzerland), 2020, 10, 3829.	1.3	67

#	ARTICLE	IF	CITATIONS
2707	Thermal Management by Engineering the Alignment of Nanocellulose. <i>Advanced Materials</i> , 2021, 33, e2001228.	11.1	43
2708	Energy Production Analysis of Photovoltaic Shading Devices (PVSD) in Integrated Façade Systems (IFS). <i>Frontiers in Built Environment</i> , 2020, 6, .	1.2	2
2709	The Causal Connection of Natural Resources and Globalization with Energy Consumption in Top Asian Countries: Evidence from a Nonparametric Causality-in-Quantile Approach. <i>Energies</i> , 2020, 13, 2273.	1.6	14
2710	All-Day Energy Harvesting Power System Utilizing a Thermoelectric Generator with Water-Based Heat Storage. <i>Sustainability</i> , 2020, 12, 3659.	1.6	7
2711	Development of algorithms for building energy efficiency. , 2020, , 267-290.		3
2712	Internet of Things and artificial intelligence enable energy efficiency. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 4933-4954.	3.3	20
2713	ENERGY-CONSERVATION CONSIDERATIONS THROUGH A NOVEL INTEGRATION OF SUNSPACE AND SOLAR CHIMNEY IN THE TERRACED RURAL DWELLINGS. <i>International Journal of Energy Economics and Policy</i> , 2020, 10, 1-13.	0.5	2
2714	Enhancing building energy efficiency by adaptive façade: A computational optimization approach. <i>Applied Energy</i> , 2020, 265, 114797.	5.1	67
2715	The performance of a closed cavity radiation system with built-in heat exchanger. <i>Building and Environment</i> , 2020, 174, 106788.	3.0	5
2716	Research on a hierarchical air balancing control method of variable air volume ventilation system. <i>Building and Environment</i> , 2020, 175, 106710.	3.0	11
2717	Sustainable Residential Energy Supply: A Literature Review-Based Morphological Analysis. <i>Energies</i> , 2020, 13, 432.	1.6	6
2718	From Intelligent Energy Management to Value Economy through a Digital Energy Currency: Bahrain City Case Study. <i>Sensors</i> , 2020, 20, 1456.	2.1	15
2719	Simplified model of cooling/heating load prediction for various air-conditioned room types. <i>Energy Reports</i> , 2020, 6, 344-351.	2.5	17
2720	Improved balance between compressive strength and thermal conductivity of insulating and structural lightweight concretes for low rise construction. <i>Construction and Building Materials</i> , 2020, 247, 118448.	3.2	14
2721	Building Envelope Thermal Mass and Its Effect on Spring and the Autumn Seasonal Transition Period. <i>Journal of Architectural Engineering</i> , 2020, 26, .	0.8	2
2722	Load and energy profile development using occupancy and interactions/activities in the residential building. , 2020, , .		1
2723	Context-specific urban occupancy modeling using location-based services data. <i>Building and Environment</i> , 2020, 175, 106803.	3.0	26
2724	Mechanics of smart origami sunscreens with energy harvesting ability. <i>Mechanics Research Communications</i> , 2020, 105, 103503.	1.0	26

#	ARTICLE	IF	CITATIONS
2725	Application of Predictive Control in Scheduling of Domestic Appliances. Applied Sciences (Switzerland), 2020, 10, 1627.	1.3	10
2726	Urban Residential Building Energy Consumption by End-Use in Malawi. Buildings, 2020, 10, 31.	1.4	14
2727	Assessing the Importance of Biomass-Based Heating Systems for More Sustainable Buildings: A Case Study Based in Spain. Energies, 2020, 13, 1025.	1.6	5
2728	Modelling the Thermal Energy Storage of Cementitious Mortars Made with PCM-Recycled Brick Aggregates. Materials, 2020, 13, 1064.	1.3	7
2729	Effects of Architectural Space Layouts on Energy Performance: A Review. Sustainability, 2020, 12, 1829.	1.6	20
2730	Dual Thermal-/Electrical-Responsive Luminescent "Smart" Window. Applied Sciences (Switzerland), 2020, 10, 1421.	1.3	7
2731	A case study on understanding energy consumption through prediction and visualization (VIMOEN). Journal of Building Engineering, 2020, 30, 101315.	1.6	13
2732	An IoT Framework for Modeling and Controlling Thermal Comfort in Buildings. Frontiers in Built Environment, 2020, 6, .	1.2	34
2733	Fault diagnosis of VRF air-conditioning system based on improved Gaussian mixture model with PCA approach. International Journal of Refrigeration, 2020, 118, 1-11.	1.8	44
2734	Fuzzy Logic-Based Direct Load Control Scheme for Air Conditioning Load to Reduce Energy Consumption. IEEE Access, 2020, 8, 117413-117427.	2.6	18
2735	Detailed Office Building Energy Information Based on In Situ Measurements. Energies, 2020, 13, 3050.	1.6	2
2736	Application of Thermoconomics in HVAC Systems. Applied Sciences (Switzerland), 2020, 10, 4163.	1.3	2
2737	Conceptualisation of an IoT Framework for Multi-Person Interaction with Conditioning Systems. Energies, 2020, 13, 3094.	1.6	4
2738	Benchmarking of Water, Energy, and Carbon Flows in Academic Buildings: A Fuzzy Clustering Approach. Sustainability, 2020, 12, 4422.	1.6	13
2739	A Data-driven Approach for Sustainable Building Retrofit" A Case Study of Different Climate Zones in China. Sustainability, 2020, 12, 4726.	1.6	10
2740	Performance characteristics of variable conductance loop thermosyphon for energy-efficient building thermal control. Applied Energy, 2020, 275, 115337.	5.1	13
2741	A systematic and probabilistic approach for optimal design and on-site adaptive balancing of building central cooling systems concerning uncertainties. Science and Technology for the Built Environment, 2020, 26, 888-900.	0.8	0
2742	Gendered homes in theories of practice: A framework for research in residential energy consumption. Energy Research and Social Science, 2020, 67, 101538.	3.0	28



#	ARTICLE	IF	CITATIONS
2743	Electricity demand forecasting for decentralised energy management. <i>Energy and Built Environment</i> , 2020, 1, 178-186.	2.9	40
2744	Application of phase change material foam composites in the built environment: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 131, 110008.	8.2	73
2745	Effect of Graphene Oxide on Phase Change Materials Based on Disodium Hydrogen Phosphate Dodecahydrate for Thermal Storage. <i>ACS Omega</i> , 2020, 5, 15210-15217.	1.6	19
2746	Effect of efficient multi-stage indirect evaporative cooling on performance of solar assisted desiccant air conditioning in different climatic zones.. <i>Heat and Mass Transfer</i> , 2020, 56, 2725-2741.	1.2	11
2747	New generation of cement-based composites for civil engineering. , 2020, , 777-795.		2
2748	Metal oxides powder technology in energy technologies. , 2020, , 253-262.		1
2749	Recent advances and development in optimal design and control of ground source heat pump systems. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 131, 110001.	8.2	56
2750	Aerogel from Sustainably Grown Bacterial Cellulose Pellicles as a Thermally Insulative Film for Building Envelopes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 34115-34121.	4.0	29
2751	Actively Operable Thermoresponsive Smart Windows for Reducing Energy Consumption. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 33838-33845.	4.0	30
2752	Experimental studies on the performance improvement of household refrigerator connected to domestic water system with a water-cooled condenser in tropical regions. <i>Applied Thermal Engineering</i> , 2020, 179, 115684.	3.0	15
2753	Green Building Rating Systems and the New Framework Level(s): A Critical Review of Sustainability Certification within Europe. <i>Energies</i> , 2020, 13, 66.	1.6	63
2754	Investigation of heat transfer of a building wall in the presence of phase change material (PCM). <i>Energy and Built Environment</i> , 2020, 1, 199-206.	2.9	96
2755	Performance analysis of a novel augmented desalination and cooling system using modified vapor compression refrigeration integrated with humidification-dehumidification desalination. <i>Journal of Cleaner Production</i> , 2020, 255, 120224.	4.6	32
2756	Experimental and numerical thermal performance assessment of a multi-layer building envelope component made of biocomposite materials. <i>Energy and Buildings</i> , 2020, 214, 109846.	3.1	15
2757	Exploring key factors impacting cooling usage patterns of Chinese urban household based on a large-scale questionnaire survey. <i>Energy and Buildings</i> , 2020, 214, 109885.	3.1	9
2758	Analysis of Energy Consumption in Different European Cities: The Adaptive Comfort Control Implemented Model (ACCIM) Considering Representative Concentration Pathways (RCP) Scenarios. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1513.	1.3	11
2759	Rinse, Sense, Adjust, Repeat: Biomimetic Continuous Process Water Analysis in Washing Machines Based on the Hammerhead Shark's Olfaction Hydrodynamics. <i>Advanced Intelligent Systems</i> , 2020, 2, 1900152.	3.3	2
2760	Hydrogel smart windows. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10007-10025.	5.2	154

#	ARTICLE	IF	CITATIONS
2761	Use of timber for the sustainable city growth and its role in the climate change.. IOP Conference Series: Earth and Environmental Science, 2020, 410, 012034.	0.2	1
2762	Enhancing individual commitment to energy conservation in organizational settings: Identity manipulation for behavioral changes. Resources, Conservation and Recycling, 2020, 156, 104720.	5.3	4
2763	Solar activation of fungus coated in photothermal cloth. Journal of Materials Chemistry B, 2020, 8, 2466-2470.	2.9	10
2764	Building thermal load management through integration of solar assisted absorption and desiccant air conditioning systems: A model-based simulation-optimization approach. Journal of Building Engineering, 2020, 30, 101279.	1.6	21
2765	Multi-objective interior design optimization method based on sustainability concepts for post-disaster temporary housing units. Building and Environment, 2020, 173, 106742.	3.0	26
2766	Numerical study of tube arrangement and fin effects on improving the ice formation in ice-on-coil thermal storage systems. International Communications in Heat and Mass Transfer, 2020, 113, 104520.	2.9	22
2767	Designing sustainable concrete mixture by developing a new machine learning technique. Journal of Cleaner Production, 2020, 258, 120578.	4.6	88
2768	Exploring the localization process of low energy residential buildings: A case study of Korean passive houses. Journal of Building Engineering, 2020, 30, 101290.	1.6	16
2769	Effect of Hot Water Setting Temperature on Performance of Solar Absorption-Subcooled Compression Hybrid Cooling Systems. Applied Sciences (Switzerland), 2020, 10, 258.	1.3	1
2770	A Model of a Diaphragm Wall Ground Heat Exchanger. Energies, 2020, 13, 300.	1.6	22
2771	Energy Efficiency in Public Buildings: A Step toward the UN 2030 Agenda for Sustainable Development. Sustainability, 2020, 12, 1212.	1.6	11
2772	Energy Savings on an Industrial Building in Different Climate Zones: Envelope Analysis and PV System Implementation. Sustainability, 2020, 12, 1391.	1.6	4
2773	Thermodynamic efficiency comparison between thermal and electric storage for photovoltaic-driven chilling system. Journal of Energy Storage, 2020, 28, 101253.	3.9	3
2774	Machine learning algorithms applied to a prediction of personal overall thermal comfort using skin temperatures and occupants' heating behavior. Applied Ergonomics, 2020, 85, 103078.	1.7	52
2775	Hydrothermal carbonization of renewable waste biomass for solid biofuel production: A discussion on process mechanism, the influence of process parameters, environmental performance and fuel properties of hydrochar. Renewable and Sustainable Energy Reviews, 2020, 123, 109761.	8.2	280
2776	Experimental analysis of a multistage direct-indirect evaporative cooler using a straight heat pipe. Applied Thermal Engineering, 2020, 171, 115133.	3.0	23
2777	Embracing uncertainty in building energy efficiency policy: A case study of a building energy standard. Energy Policy, 2020, 139, 111303.	4.2	2
2778	Thermal performance analysis of a new structured-core translucent vacuum insulation panel in comparison to vacuum glazing: Experimental and theoretically validated analyses. Solar Energy, 2020, 199, 326-346.	2.9	23

#	ARTICLE	IF	CITATIONS
2780	Characterizing energy-related occupant behavior in residential buildings: Evidence from a survey in Beijing, China. <i>Energy and Buildings</i> , 2020, 214, 109823.	3.1	28
2781	An exploration of the relationship between density and building energy performance. <i>Urban Design International</i> , 2020, 25, 92-112.	1.3	8
2782	Health and wellness in commercial buildings: Systematic review of sustainable building rating systems and alignment with contemporary research. <i>Building and Environment</i> , 2020, 171, 106635.	3.0	69
2783	Smart embedded-analytics sensors with cloud-based measurement system for HVAC. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
2784	Effects of slip length and hydraulic diameter on hydraulic entrance length of microchannels with superhydrophobic surfaces. <i>Frontiers in Energy</i> , 2020, 14, 127-138.	1.2	7
2785	Experimental investigation on the thermal performance of double-layer PCM radiant floor system containing two types of inorganic composite PCMs. <i>Energy and Buildings</i> , 2020, 211, 109806.	3.1	47
2786	Rational Design of Single Atomic Co in CoN x Moieties on Graphene Matrix as an Ultra-Highly Efficient Active Site for Oxygen Reduction Reaction. <i>ChemNanoMat</i> , 2020, 6, 218-222.	1.5	3
2787	A response factor approach to modelling long-term thermal behaviour of energy piles. <i>Computers and Geotechnics</i> , 2020, 120, 103424.	2.3	7
2788	Assessment of the impact of HVAC system configuration and control zoning on thermal comfort and energy efficiency in flexible office spaces. <i>Energy and Buildings</i> , 2020, 212, 109785.	3.1	22
2789	A platform for power management based on indoor localization in smart buildings using long short-term neural networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2020, , e3867.	2.6	23
2790	Physical, mechanical, and microstructural characterisation of an innovative thermal insulating render incorporating silica aerogel. <i>Energy and Buildings</i> , 2020, 211, 109793.	3.1	59
2791	Energy Disaggregation Using Elastic Matching Algorithms. <i>Entropy</i> , 2020, 22, 71.	1.1	18
2792	Internet of Things (IoT) and the Energy Sector. <i>Energies</i> , 2020, 13, 494.	1.6	373
2793	Optimum design and analysis of HRES for rural electrification: a case study of Korkadu district. <i>Soft Computing</i> , 2020, 24, 13051-13068.	2.1	16
2794	Development of Vapor Absorption Cooling System Driven by Renewable Energy. , 2020, , 411-436.		0
2795	Can plants be considered a building service?. <i>Building Services Engineering Research and Technology</i> , 2020, 41, 374-384.	0.9	2
2796	Forced convective heat transfer enhancement of 90° bend plate-fin heat sink with grid generated turbulence. <i>Chemical Engineering Research and Design</i> , 2020, 156, 226-239.	2.7	9
2797	Building temperature regulation in a multi-zone HVAC system using distributed adaptive control. <i>Energy and Buildings</i> , 2020, 215, 109825.	3.1	39

#	ARTICLE	IF	CITATIONS
2798	Modeling of Energy Demand and Savings Associated with the Use of Epoxy-Phase Change Material Formulations. <i>Materials</i> , 2020, 13, 639.	1.3	3
2799	High latent heat and recyclable form-stable phase change materials prepared via a facile self-template method. <i>Chemical Engineering Journal</i> , 2020, 396, 125265.	6.6	24
2800	Applicability of control algorithms for variable water-flow control practice of central air-conditioning cooling water system. <i>Science and Technology for the Built Environment</i> , 2020, 26, 941-955.	0.8	1
2801	Model-free optimal chiller loading method based on Q-learning. <i>Science and Technology for the Built Environment</i> , 2020, 26, 1100-1116.	0.8	16
2802	Robust energy disaggregation using appliance-specific temporal contextual information. <i>Eurasip Journal on Advances in Signal Processing</i> , 2020, 2020, .	1.0	8
2803	Life Cycle Environmental and Cost Performance of Prefabricated Buildings. <i>Sustainability</i> , 2020, 12, 2609.	1.6	42
2804	Effect of flax fibers on early age shrinkage and cracking of earth concrete. <i>Construction and Building Materials</i> , 2020, 254, 119315.	3.2	43
2805	Can whole building energy models outperform numerical models, when forecasting performance of indirect evaporative cooling systems?. <i>Energy Conversion and Management</i> , 2020, 213, 112886.	4.4	13
2806	Investigation Of The Improvement Building Envelope Impact On Energy Consumption Using Energy Audit. <i>MATEC Web of Conferences</i> , 2020, 307, 01031.	0.1	2
2807	AI-Based Campus Energy Use Prediction for Assessing the Effects of Climate Change. <i>Sustainability</i> , 2020, 12, 3223.	1.6	21
2808	Experimental study on the performance of solar window films in office buildings in Kuwait. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	0.8	13
2809	iSEA: IoT-based smartphone energy assistant for prompting energy-aware behaviors in commercial buildings. <i>Applied Energy</i> , 2020, 266, 114892.	5.1	28
2810	A constraint multi-objective evolutionary optimization of a state-of-the-art dew point cooler using digital twins. <i>Energy Conversion and Management</i> , 2020, 211, 112772.	4.4	27
2811	A review on machine learning algorithms to predict daylighting inside buildings. <i>Solar Energy</i> , 2020, 202, 249-275.	2.9	67
2812	All solid state electrochromic devices based on the LiF electrolyte. <i>Chemical Communications</i> , 2020, 56, 5018-5021.	2.2	36
2813	The Challenge for Building Integration of Highly Transparent Photovoltaics and Photoelectrochromic Devices. <i>Energies</i> , 2020, 13, 1929.	1.6	26
2814	Experimental and numerical optimization on chilled water configuration for improving temperature performance and economic viability of a centralized chiller plant. <i>Journal of Physics: Conference Series</i> , 2020, 1450, 012106.	0.3	4
2815	A multi-criteria approach to affordable energy-efficient retrofit of primary school buildings. <i>Applied Energy</i> , 2020, 268, 115046.	5.1	39

#	ARTICLE	IF	CITATIONS
2816	Thermomechanical study of a sandwich material with ecological additives. <i>Construction and Building Materials</i> , 2020, 252, 119093.	3.2	13
2817	A hybrid neuro-fuzzy inference system-based algorithm for time series forecasting applied to energy consumption prediction. <i>Applied Energy</i> , 2020, 268, 114977.	5.1	58
2818	Experimental analysis of a solar assisted desiccant-based space heating and humidification system for cold and dry climates. <i>Applied Thermal Engineering</i> , 2020, 175, 115371.	3.0	21
2819	A long short-term memory artificial neural network to predict daily HVAC consumption in buildings. <i>Energy and Buildings</i> , 2020, 216, 109952.	3.1	79
2820	Revisiting individual and group differences in thermal comfort based on ASHRAE database. <i>Energy and Buildings</i> , 2020, 219, 110017.	3.1	59
2821	Model-free control method based on reinforcement learning for building cooling water systems: Validation by measured data-based simulation. <i>Energy and Buildings</i> , 2020, 218, 110055.	3.1	34
2822	On the assessment and control optimisation of demand response programs in residential buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 127, 109861.	8.2	90
2823	A generic prediction interval estimation method for quantifying the uncertainties in ultra-short-term building cooling load prediction. <i>Applied Thermal Engineering</i> , 2020, 173, 115261.	3.0	36
2824	Applicability of rotary thermal wheels to hot and humid climates. <i>Energy Reports</i> , 2020, 6, 539-544.	2.5	16
2825	Large-scale experiment of a novel non-domestic building using BPSC systems for energy saving. <i>Renewable Energy</i> , 2020, 152, 799-811.	4.3	9
2826	Energy Disaggregation from Low Sampling Frequency Measurements Using Multi-Layer Zero Crossing Rate. , 2020, , .		8
2827	Corporate social responsibility and construction design briefs: international case studies. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2020, 173, 271-279.	0.4	1
2828	Retrofitting an Existing Office Building in the UAE Towards Achieving Low-Energy Building. <i>Sustainability</i> , 2020, 12, 2573.	1.6	13
2829	Application and characterization of metamodels based on artificial neural networks for building performance simulation: A systematic review. <i>Energy and Buildings</i> , 2020, 217, 109972.	3.1	89
2830	Review on air and water thermal energy storage of buildings with phase change materials. <i>Experimental and Computational Multiphase Flow</i> , 2021, 3, 77-99.	1.9	24
2831	Suitable Application of <i>Echinodorus Cordifolius</i> -Microbial Fuel Cells Inoculated with <i>Bacillus Thuringiensis</i> . <i>Waste and Biomass Valorization</i> , 2021, 12, 2237-2245.	1.8	6
2832	Investigation and modeling of energy consumption of tall office buildings in Iran's 'hot-arid' and 'cold' climate conditions. <i>International Journal of Low-Carbon Technologies</i> , 2021, 16, 21-34.	1.2	4
2833	Hierarchical decompositions for MPC of resource constrained control systems: applications to building energy management. <i>Optimization and Engineering</i> , 2021, 22, 187-215.	1.3	9

#	ARTICLE	IF	CITATIONS
2834	A review of intensified conditioning of personal micro-environments: Moving closer to the human body. <i>Energy and Built Environment</i> , 2021, 2, 260-270.	2.9	37
2835	Impact of perforated solar screens on daylight availability and low energy use in offices. <i>Advances in Building Energy Research</i> , 2021, 15, 117-141.	1.1	11
2836	Impact of a Retrofitting Project on Thermal Comfort and Energy Efficiency of a Historic School in Miliana, Algeria. <i>International Journal of Architectural Heritage</i> , 2021, 15, 407-425.	1.7	11
2837	Hourly performance forecast of a dew point cooler using explainable Artificial Intelligence and evolutionary optimisations by 2050. <i>Applied Energy</i> , 2021, 281, 116062.	5.1	26
2838	Fracture behavior of flax fibers reinforced earth concrete. <i>Engineering Fracture Mechanics</i> , 2021, 241, 107378.	2.0	27
2839	Polyethylene Glycol-600/expanded clay aggregate with Alccofine1203 in concrete. <i>Materials Today: Proceedings</i> , 2021, 43, 1081-1088.	0.9	8
2840	Multistep energy consumption forecasting by metaheuristic optimization of time-series analysis and machine learning. <i>International Journal of Energy Research</i> , 2021, 45, 4581-4612.	2.2	36
2841	Transient sensor errors and their impact on fixed-bed regenerator (FBR) testing standards. <i>Science and Technology for the Built Environment</i> , 2021, 27, 656-678.	0.8	7
2842	Experimental and numerical analysis of the thermal performance of polyurethane foams panels incorporating phase change material. <i>Energy</i> , 2021, 216, 119213.	4.5	22
2843	A cost-effective building retrofit decision-making model – Example of China’s temperate and mixed climate zones. <i>Journal of Cleaner Production</i> , 2021, 280, 124370.	4.6	21
2844	Experimental study of an indoor temperature fuzzy control method for thermal comfort and energy saving using wristband device. <i>Building and Environment</i> , 2021, 187, 107432.	3.0	32
2845	Analysis of energy consumption and potential energy savings of an institutional building in Malaysia. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 805-820.	3.4	56
2846	Machine learning approach for power consumption model based on monsoon data for smart cities applications. <i>Computational Intelligence</i> , 2021, 37, 1309-1321.	2.1	5
2847	Handshaking towards zero-concept analysis and technical measures of LEED zero-energy building in connection with technical standard of nearly zero-energy building in China. <i>Energy Exploration and Exploitation</i> , 2021, 39, 669-689.	1.1	7
2848	Thermal inertia as an integrative parameter for building performance. <i>Journal of Building Engineering</i> , 2021, 33, 101623.	1.6	12
2849	Comparison of space cooling/heating load under non-uniform indoor environment with convective heat gain/loss from envelope. <i>Building Simulation</i> , 2021, 14, 565-578.	3.0	9
2850	Research on the effect of different position on classroom ventilation in a –type teaching building. <i>Journal of Building Engineering</i> , 2021, 33, 101852.	1.6	7
2851	Multi-stage heat-pipe heat exchanger for improving energy efficiency of the HVAC system in a hospital operating room 1. <i>International Journal of Low-Carbon Technologies</i> , 2021, 16, 259-267.	1.2	16

#	ARTICLE	IF	CITATIONS
2852	Using long-term measurements of airflow, electrical power, indoor temperature, and CO <sub>2</sub> -concentration for evaluating sizing and performance of an all-air HVAC system in an office building - a case study. <i>Science and Technology for the Built Environment</i> , 2021, 27, 714-729.	0.8	2
2853	Energy-efficient heating control for smart buildings with deep reinforcement learning. <i>Journal of Building Engineering</i> , 2021, 34, 101739.	1.6	48
2854	Solar transparent radiators based on in-plane worm-like assemblies of metal nanoparticles. <i>Solar Energy Materials and Solar Cells</i> , 2021, 219, 110796.	3.0	19
2855	Comparative analysis of window operating behavior in three different open-plan offices in Nanjing. <i>Energy and Built Environment</i> , 2021, 2, 175-187.	2.9	9
2856	Melamine-based polyol containing phosphonate and alkynyl groups and its application in rigid polyurethane foam. <i>Journal of Materials Science</i> , 2021, 56, 870-885.	1.7	9
2857	Investigation of single-storey residential green roof contribution to buildings energy demand reduction in different climate zones of Iran. <i>International Journal of Green Energy</i> , 2021, 18, 100-110.	2.1	11
2858	On the optimization of energy efficient fenestration for small commercial buildings in the United States. <i>Journal of Cleaner Production</i> , 2021, 283, 124604.	4.6	15
2859	Intelligent multi-zone residential HVAC control strategy based on deep reinforcement learning. <i>Applied Energy</i> , 2021, 281, 116117.	5.1	130
2860	Virtual agent organizations for user behaviour pattern extraction in energy optimization processes: A new perspective. <i>Neurocomputing</i> , 2021, 452, 374-385.	3.5	3
2861	Evaluating the utility of passive thermal storage as an energy storage system on the Australian energy market. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 137, 110615.	8.2	14
2862	Numerical and experimental validations of the theoretical basis for a nozzle based pulse technique for determining building airtightness. <i>Building and Environment</i> , 2021, 188, 107459.	3.0	5
2863	Evaluation and optimization of district energy network performance: Present and future. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 139, 110577.	8.2	16
2864	<sc>ASA</sc>/<sc>SEBS</sc>/paraffin composites as phase change material for potential cooling and heating applications in building. <i>Polymers for Advanced Technologies</i> , 2021, 32, 420-427.	1.6	19
2865	Thermal energy storage cement mortar with direct incorporation of organic and inorganic phase change materials. <i>Innovative Infrastructure Solutions</i> , 2021, 6, 1.	1.1	12
2866	Evaluation and optimization of the performance of the heating system in a nZEB educational building by monitoring and simulation. <i>Energy and Buildings</i> , 2021, 231, 110616.	3.1	12
2867	Transparent window film with embedded nano-shades for thermoregulation. <i>Construction and Building Materials</i> , 2021, 269, 121280.	3.2	11
2868	Development of an extremely concentrated solar energy delivery system using silica optical fiber bundle for deployment of solar energy: Daylighting to photocatalytic wastewater treatment. <i>Solar Energy</i> , 2021, 214, 93-100.	2.9	13
2869	Research on a forecasted load-and time delay-based model predictive control (MPC) district energy system model. <i>Energy and Buildings</i> , 2021, 231, 110631.	3.1	16

#	ARTICLE	IF	CITATIONS
2870	Optimization of a university timetable considering building energy efficiency: An approach based on the building controls virtual test bed platform using a genetic algorithm. Journal of Building Engineering, 2021, 35, 102095.	1.6	18
2871	CFD-Based Analysis of Heat Exchanging Performance of Rotary Thermal Wheels. Smart Innovation, Systems and Technologies, 2021, , 103-113.	0.5	0
2872	Review on Fault Detection and Diagnosis Feature Engineering in Building Heating, Ventilation, Air Conditioning and Refrigeration Systems. IEEE Access, 2021, 9, 2153-2187.	2.6	26
2873	Modelling the energy performance of residential buildings using advanced computational frameworks based on RVM, GMDH, ANFIS-BBO and ANFIS-IPSO. Journal of Building Engineering, 2021, 35, 102105.	1.6	59
2874	Event-driven Simulation of Multi-scale Dropwise Condensation. International Journal of Heat and Mass Transfer, 2021, 167, 120819.	2.5	11
2875	Gold nanoparticle decorated carbon nanotube nanocomposite for dye-sensitized solar cell performance and stability enhancement. Chemical Engineering Journal, 2021, 421, 127756.	6.6	20
2876	The reinforcement learning method for occupant behavior in building control: A review. Energy and Built Environment, 2021, 2, 137-148.	2.9	20
2877	Demand response of district heating using model predictive control to prevent the draught risk of cold window in an office building. Journal of Building Engineering, 2021, 33, 101855.	1.6	18
2878	Remote, informal, and ephemeral communities for testing technologies. Futures, 2021, 126, 102675.	1.4	0
2879	Quantitative effects of PM concentrations on spectral distribution of global normal irradiance. Solar Energy, 2021, 220, 1099-1108.	2.9	9
2880	Green Design Studio: A modular-based approach for high-performance building design. Building Simulation, 2021, 14, 241-268.	3.0	8
2881	Technology proposal and experimental study on an indirect evaporative cooling technology based on ultrasonic atomization. Science and Technology for the Built Environment, 2021, 27, 271-282.	0.8	0
2882	Investigations on mechanical and thermal properties of concrete with different proportions of insulation aggregates. Structural Concrete, 2021, 22, E720.	1.5	1
2883	Fast prediction for multi-parameters (concentration, temperature and humidity) of indoor environment towards the online control of HVAC system. Building Simulation, 2021, 14, 649-665.	3.0	29
2884	Modeling the cost of energy in public sector buildings by linear regression and deep learning. Central European Journal of Operations Research, 2021, 29, 307-322.	1.1	6
2885	Quantitative investigations on setting parameters of air conditioning (air-supply speed and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TFS	1.5	17
2886	Building Energy Efficiency and Sustainability. SpringerBriefs in Architectural Design and Technology, 2021, , 1-11.	0.3	0
2887	Modifying Building Energy-Saving Design Based on Field Research into Climate Features and Local Residentsâ€™ Habits. Energies, 2021, 14, 442.	1.6	3



#	ARTICLE	IF	CITATIONS
2890	Multi-agent Simulation of Occupant Behaviour Impact on Building Energy Consumption. <i>Studies in Computational Intelligence</i> , 2021, , 355-364.	0.7	1
2892	Nacre-Inspired Sustainable Coatings with Remarkable Fire-Retardant and Energy-Saving Cooling Performance. , 2021, 3, 243-248.		33
2893	Automated Smart Utilization of Background Lights and Daylight for Green Building Efficient and Economic Indoor Lighting Intensity Control. <i>Intelligent Control and Automation</i> , 2021, 12, 1-15.	1.0	9
2897	Overview of Geography, Socio-economy, Energy and Environment of the Tropical Countries. <i>Green Energy and Technology</i> , 2021, , 1-31.	0.4	1
2898	Research on the Recycle of Different Materials from Demolition Waste. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 643, 012144.	0.2	0
2899	Selection and implementation of green materials for the sustainable development of a residential layout. <i>Materials Today: Proceedings</i> , 2021, 42, 1077-1083.	0.9	0
2900	AI-Based Home Energy Management System Considering Energy Efficiency and Resident Satisfaction. <i>IEEE Internet of Things Journal</i> , 2022, 9, 1608-1621.	5.5	24
2901	Nanofluids: Thermal Conductivity and Applications. , 2022, , 288-296.		3
2902	Performance evaluation of a solarâ€powered flatâ€plate multichannel liquid desiccant air conditioning system. <i>Heat Transfer</i> , 2021, 50, 4103-4121.	1.7	4
2903	Application of Global Sensitivity Analysis to Building Performance Simulations for Screening Influential Input Parameters in a Humid Coastal Climate. <i>Springer Proceedings in Energy</i> , 2021, , 1011-1024.	0.2	0
2904	Real-time ventilation control based on a Bayesian estimation of occupancy. <i>Building Simulation</i> , 2021, 14, 1487-1497.	3.0	5
2905	Online differential pressure reset method with adaptive adjustment algorithm for variable chilled water flow control in central air-conditioning systems. <i>Building Simulation</i> , 2021, 14, 1407-1422.	3.0	12
2906	Performance of Composite Phase Change Material Using Disodium Hydrogen Phosphate Dodecahydrate as the Supporting. <i>Material Sciences</i> , 2021, 11, 885-893.	0.0	0
2907	Addressing energy storage needs at lower cost <i>via</i> on-site thermal energy storage in buildings. <i>Energy and Environmental Science</i> , 2021, 14, 5315-5329.	15.6	46
2908	Building Energy Performance: Comparison Between EnergyPlus and Other Certified Tools. <i>Lecture Notes in Computer Science</i> , 2021, , 493-503.	1.0	1
2909	Effect of the Orientation on the Comfort of a Building Made with Compressed Earth Block. <i>Smart Grid and Renewable Energy</i> , 2021, 12, 99-112.	0.7	0
2910	Behaviour and Characteristics of Construction Materials Subjected to Different Environmental Conditions. <i>RILEM Bookseries</i> , 2021, , 161-178.	0.2	0
2911	The effect of the chilled water temperature on the performance of an experimental air-cooled chiller. <i>Vietnam Journal of Mechanics</i> , 0, , .	0.2	0

#	ARTICLE	IF	CITATIONS
2912	Different Platforms Using Internet of Things for Monitoring and Control Temperature. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 795-803.	0.5	0
2913	Using various hybrid systems to supply thermal energy needs of buildings. , 2021, , 265-292.		0
2914	Energy consumption and environmental consequences. , 2021, , 1-55.		0
2915	Turning Up the Heat: The Impact of Indoor Temperature on Cognitive Processes and the Validity of Self-Report. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2916	Ventilative Cooling and Air Pollutants. <i>PoliTO Springer Series</i> , 2021, , 79-124.	0.3	1
2917	Double Fourier Integral Analysis Based Convolutional Neural Network Regression for High-Frequency Energy Disaggregation. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2022, 6, 439-449.	3.4	9
2918	Energy-Efficient Thermal Comfort Control in Smart Buildings. , 2021, , .		6
2919	Experimental study on pigmented coatings using two particle types with complementary optical features. <i>Solar Energy</i> , 2021, 214, 421-429.	2.9	1
2920	Social criteria to develop an in use holistic urban sustainable assessment tool: UHU2SAT. <i>E3S Web of Conferences</i> , 2021, 237, 04031.	0.2	0
2921	Classification of Heritage Residential Building Stock and Defining Sustainable Retrofitting Scenarios in Khedivial Cairo. <i>Sustainability</i> , 2021, 13, 880.	1.6	8
2922	Modular greening technologies for buildings. <i>E3S Web of Conferences</i> , 2021, 263, 04031.	0.2	6
2923	Performance evaluation for energy efficiency attainment in buildings based on orientation, temperature, and humidity parameters. <i>Intelligent Buildings International</i> , 0, , 1-17.	1.3	2
2924	Sol-gel materials for smart electrochromic devices. , 2021, , 439-475.		3
2925	Economic Applications for LED Lights in Industrial Sectors. , 0, , .		2
2926	Electricity Theft Detection With Automatic Labeling and Enhanced RUSBoost Classification Using Differential Evolution and Jaya Algorithm. <i>IEEE Access</i> , 2021, 9, 128521-128539.	2.6	10
2927	Performance investigation of regenerative evaporative cooled air-to-air heat recovery ventilator under different humidity conditions. <i>Materials Today: Proceedings</i> , 2021, 46, 9901-9907.	0.9	0
2928	Optimization of Building's Wall Using Phase Change Material (PCM) Toward Energy Performance Improvement. <i>Lecture Notes in Civil Engineering</i> , 2021, , 207-221.	0.3	0
2929	Radiative Exchanges in the Dense City. <i>PoliTO Springer Series</i> , 2021, , 321-349.	0.3	0

#	ARTICLE	IF	CITATIONS
2930	Perovskite Chromite With In-Situ Assembled Ni-Co Nano-Alloys: A Potential Bifunctional Electrode Catalyst for Solid Oxide Cells. <i>Frontiers in Chemistry</i> , 2020, 8, 595608.	1.8	7
2932	A Distributed Multi Party Consensus Algorithm for Temperature Control in Smart Buildings. , 2021, , .		2
2933	Energy Efficiency Indicators for Hotel Buildings. <i>Sustainability</i> , 2021, 13, 1754.	1.6	13
2934	Design and Performance of Solar PV Integrated Domestic Vapor Absorption Refrigeration System. <i>International Journal of Photoenergy</i> , 2021, 2021, 1-10.	1.4	20
2935	Optimal Renovation Strategies through Life-Cycle Analysis in a Pilot Building Located in a Mild Mediterranean Climate. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1423.	1.3	4
2936	Ortam BaĖÄ± Nemi ve SÄ±caklıĖÄ±n TaĖ¼ Yalıtım Malzemesinin PerformansĖ Ėzerine Etķileri. <i>Journal of Polytechnic</i> , 0, , .	0.4	0
2937	Fabrication of oxide-based near infrared-shielding coatings for a smart window to prevent infrared-induced photoaging in human skin. <i>Ceramics International</i> , 2021, 47, 5177-5186.	2.3	2
2938	Assessment of Enhancing Employee Engagement in Energy-Saving Behavior at Workplace: An Empirical Study. <i>Sustainability</i> , 2021, 13, 2457.	1.6	7
2939	Mathematical Model Development of a Solar Assisted Liquid Desiccant Air Conditioning System with Fin Coil Dehumidifier. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1080, 012040.	0.3	0
2940	Investigation of thermal performance of double-layered thermally activated building system in heating mode. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 0, , 095440622199279.	1.1	0
2941	Energy Profiling of a Plant Factory and Energy Conservation Opportunities. <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i> , 2021, 80, 13-23.	0.3	1
2942	Energy Performance Assessment Framework for Residential Buildings in Saudi Arabia. <i>Sustainability</i> , 2021, 13, 2232.	1.6	7
2943	A Study on the Use of Outdoor Temperature Information for Evaluating Building Energy Savings. <i>Journal of Climate Change Research</i> , 2021, 12, 109-120.	0.1	0
2944	Policy implementation and energy-saving strategies for the residential sector: The case of the Greek Energy Refurbishment program. <i>Energy Policy</i> , 2021, 149, 112100.	4.2	10
2945	A Critical Review of Current Imaging Techniques to Investigate Water Transfers in Wood and Biosourced Materials. <i>Transport in Porous Media</i> , 2021, 137, 21-61.	1.2	13
2946	Feasibility study for the use of variable air volume systems for office buildings. <i>Ventilation Illumination and Heat Gas Supply</i> , 0, 36, 62-79.	0.0	1
2947	Liquid Desiccant Air Conditioning Using Single Storage Solution Tank, Evaporative Cooling, and Marquise-Shaped Solar Collector. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2021, 143, .	1.4	2
2948	Effect of limestone powder on mechanical properties and microstructure of phosphogypsum. <i>Journal of Physics: Conference Series</i> , 2021, 1777, 012012.	0.3	1

#	ARTICLE	IF	CITATIONS
2949	Time-Periodic Cooling of Rayleigh-Bénard Convection. <i>Fluids</i> , 2021, 6, 87.	0.8	3
2950	Control of Electric Spring: A Lead-Lag Compensated Approach. <i>Journal of the Institution of Engineers (India): Series B</i> , 2021, 102, 469-476.	1.3	2
2951	Thermal Energy Storage by the Encapsulation of Phase Change Materials in Building Elements: A Review. <i>Materials</i> , 2021, 14, 1420.	1.3	32
2952	A Critical Review on the Control Strategies Applied to PCM-Enhanced Buildings. <i>Energies</i> , 2021, 14, 1929.	1.6	29
2954	Enhancing the electrochemical properties of a nickel-cobalt-manganese ternary hydroxide electrode using graphene foam for supercapacitors applications. <i>Materials for Renewable and Sustainable Energy</i> , 2021, 10, 1.	1.5	10
2955	The Interaction Effect of Occupant Behavior-Related Factors in Office Buildings Based on the DNAS Theory. <i>Sustainability</i> , 2021, 13, 3227.	1.6	0
2956	An investigation on the impact of shading devices on energy consumption of commercial buildings in the contexts of subtropical climate. <i>Smart and Sustainable Built Environment</i> , 2022, 11, 661-691.	2.2	9
2957	PAN-derived electrospun nanofibers for supercapacitor applications: ongoing approaches and challenges. <i>Journal of Materials Science</i> , 2021, 56, 10745-10781.	1.7	23
2958	Advances in Electrochemical Energy Devices Constructed with Tungsten Oxide-Based Nanomaterials. <i>Nanomaterials</i> , 2021, 11, 692.	1.9	20
2959	Household energy consumption within a low-income neighbourhood in Akure, Nigeria. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1036, 012025.	0.3	4
2960	Performance Enhancement of Roof-Mounted Photovoltaic System: Artificial Neural Network Optimization of Ground Coverage Ratio. <i>Energies</i> , 2021, 14, 1537.	1.6	5
2961	Research on intelligent regulation of air conditioning energy saving based on human thermal comfort. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 0, , 1.	3.3	5
2962	Window geometry impact on a room's wind comfort. <i>Engineering, Construction and Architectural Management</i> , 2021, 28, 2381-2410.	1.8	4
2963	Hemp building materials in the South African market. <i>International Journal of Architecture and Planning</i> , 2021, 1, 19-23.	0.1	0
2964	The Impact of Occupancy-Driven Models on Cooling Systems in Commercial Buildings. <i>Energies</i> , 2021, 14, 1722.	1.6	4
2965	FEEdBACK: An ICT-Based Platform to Increase Energy Efficiency through Buildings'™ Consumer Engagement. <i>Energies</i> , 2021, 14, 1524.	1.6	10
2966	Development and Validation of Building Control Algorithm Energy Management. <i>Buildings</i> , 2021, 11, 131.	1.4	1
2967	Natural ventilation in warm climates: The challenges of thermal comfort, heatwave resilience and indoor air quality. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 138, 110669.	8.2	102

#	ARTICLE	IF	CITATIONS
2968	Post occupancy evaluation of green residential buildings, in the Greater Kuala Lumpur, Malaysia. <i>Journal of Housing and the Built Environment</i> , 2021, 36, 825-857.	0.9	6
2969	Utilizing heat pipe heat exchanger to reduce the energy consumption of airborne infection isolation hospital room HVAC system. <i>Journal of Building Engineering</i> , 2021, 35, 102116.	1.6	18
2970	Design Optimization of Open Office Building Form for Thermal Energy Performance using Genetic Algorithm. <i>Advances in Science, Technology and Engineering Systems</i> , 2021, 6, 254-261.	0.4	3
2971	Model-based adaptive controller for personalized ventilation and thermal comfort in naturally ventilated spaces. <i>Building Simulation</i> , 2021, 14, 1757-1771.	3.0	11
2972	Climate change and thermo-solar patterns of office buildings with/without window films in extreme hot-arid climate of Kuwait. <i>Solar Energy</i> , 2021, 217, 354-374.	2.9	14
2973	A data-driven fault detection and diagnosis scheme for air handling units in building HVAC systems considering undefined states. <i>Journal of Building Engineering</i> , 2021, 35, 102111.	1.6	34
2974	Price-based demand response for household load management with interval uncertainty. <i>Energy Reports</i> , 2021, 7, 8493-8504.	2.5	38
2975	Modeling the Evolution of Construction Solutions in Residential Buildingsâ€™ Thermal Comfort. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2427.	1.3	7
2976	Modelling and Simulation of Solar Water Heating System (SWH) with Thermal Storage using Flat Plate Solar Collector. , 2021, , .		1
2977	Unsteady double diffusive convection inside a partial porous building enclosure subjected to time-periodic temperature boundary condition. <i>International Communications in Heat and Mass Transfer</i> , 2021, 122, 105128.	2.9	9
2978	Experimental evaluation of indoor thermal environment with modularity radiant heating in low energy buildings. <i>International Journal of Refrigeration</i> , 2021, 123, 159-168.	1.8	11
2979	Exploring the current challenges and emerging approaches in whole building life cycle assessment. <i>Canadian Journal of Civil Engineering</i> , 2022, 49, 149-158.	0.7	3
2980	Energy and CO <sub>2</sub> emission reduction potential from investment in energy efficiency building retrofits in Bangkok, Thailand. <i>International Journal of Sustainable Energy</i> , 2022, 41, 164-183.	1.3	1
2981	Improved elastocaloric cooling performance in gradient-structured NiTi alloy processed by localized laser surface annealing. <i>Acta Materialia</i> , 2021, 208, 116741.	3.8	45
2982	Analysis of Climate-Oriented Researches in Building. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3251.	1.3	10
2983	A novel spatial-temporal space heating and hot water demand method for expansion analysis of district heating systems. <i>Energy Conversion and Management</i> , 2021, 234, 113986.	4.4	17
2984	Data pre-processing and optimization techniques for stochastic and deterministic low-order grey-box models of residential buildings. <i>Energy and Buildings</i> , 2021, 236, 110775.	3.1	20
2985	Thermal environmental effects of vertical greening and building layout in open residential neighbourhood design: a case study in Shanghai. <i>Architectural Science Review</i> , 2022, 65, 72-88.	1.1	6

#	ARTICLE	IF	CITATIONS
2986	An Integrated Approach to Adaptive Control and Supervisory Optimisation of HVAC Control Systems for Demand Response Applications. <i>Energies</i> , 2021, 14, 2078.	1.6	8
2987	Influence of Temperature and Moisture Content on Thermal Performance of Green Roof Media. <i>Energies</i> , 2021, 14, 2421.	1.6	8
2988	Enforcing Sustainability in Cities: The Case of Electricity Demand and Supply of Spain. , 2021, , .		0
2989	Parametric Study on Residential Passive House Building in Different Chinese Climate Zones. <i>Sustainability</i> , 2021, 13, 4416.	1.6	4
2990	Role of graphitized mesoporous carbon on solidification and melting characteristics of water for cool thermal storage. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2021, 29, 890-898.	1.0	13
2991	A Mathematical Description of Selected Energy Transition Scenarios in the 21st Century, Intended to Realize the Main Goals of the Paris Climate Agreement. <i>Energies</i> , 2021, 14, 2558.	1.6	16
2992	Assessing the Ability of WRF+BEPA+BEM in Reproducing the Wintertime Building Energy Consumption of an Italian Alpine City. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033652.	1.2	15
2993	Thermodynamic sustainability assessment for residential building heating comparing different energy sources. <i>Science and Technology for the Built Environment</i> , 2022, 28, 73-83.	0.8	4
2994	Impacts of urban buildings on microclimate and cooling systems efficiency: Coupled CFD and BES simulations. <i>Sustainable Cities and Society</i> , 2021, 67, 102740.	5.1	18
2995	Urban form and building energy use: A systematic review of measures, mechanisms, and methodologies. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 139, 110662.	8.2	45
2996	Experimental study of a novel household exhaust air heat pump enhanced by indirect evaporative cooling. <i>Energy and Buildings</i> , 2021, 236, 110808.	3.1	26
2997	Versatile AHU fault detection " Design, field validation and practical application. <i>Energy and Buildings</i> , 2021, 237, 110781.	3.1	16
2998	High-Efficiency Responsive Smart Windows Fabricated by Carbon Nanotubes Modified by Liquid Crystalline Polymers. <i>Crystals</i> , 2021, 11, 440.	1.0	8
2999	Optimal control of switchable ethylene-tetrafluoroethylene (ETFE) cushions for building shades. <i>Solar Energy</i> , 2021, 218, 180-194.	2.9	6
3000	Optimized Energy and Air Quality Management of Shared Smart Buildings in the COVID-19 Scenario. <i>Energies</i> , 2021, 14, 2124.	1.6	15
3001	Developments in liquid desiccant dehumidification system integrated with evaporative cooling technology. <i>International Journal of Energy Research</i> , 2022, 46, 61-88.	2.2	5
3002	Energy Optimization and Management in a Building Using Clean Energy. <i>WSEAS Transactions on Power Systems</i> , 2021, 16, 61-66.	0.2	4
3003	Contribution of energy efficiency standards to life-cycle carbon footprint reduction in public buildings in Chile. <i>Energy and Buildings</i> , 2021, 236, 110797.	3.1	23

#	ARTICLE	IF	CITATIONS
3004	Energy saving analysis of a transparent radiative cooling film for buildings with roof glazing. Energy and Built Environment, 2021, 2, 214-222.	2.9	50
3005	Performance of an internally cooled and heated desiccant-coated heat and mass exchanger: Effectiveness criteria and design methodology. Applied Thermal Engineering, 2021, 188, 116593.	3.0	9
3006	Evolutionary double attention-based long short-term memory model for building energy prediction: Case study of a green building. Applied Energy, 2021, 288, 116660.	5.1	46
3007	Type-2 fuzzy wavelet neural network for estimation energy performance of residential buildings. Soft Computing, 2021, 25, 11175-11190.	2.1	12
3009	Life Cycle Assessment (LCA) of an Innovative Compact Hybrid Electrical-Thermal Storage System for Residential Buildings in Mediterranean Climate. Sustainability, 2021, 13, 5322.	1.6	4
3010	Two-dimensional selenium and its composites for device applications. Nano Research, 2022, 15, 104-122.	5.8	26
3011	Novel Integrated and Optimal Control of Indoor Environmental Devices for Thermal Comfort Using Double Deep Q-Network. Atmosphere, 2021, 12, 629.	1.0	6
3012	Fully-Convolutional Denoising Auto-Encoders for NILM in Large Non-Residential Buildings. IEEE Transactions on Smart Grid, 2021, 12, 2722-2731.	6.2	33
3013	Energy use and retrofitting potential of heat pumps in cold climate hotels. Journal of Cleaner Production, 2021, 298, 126799.	4.6	10
3014	Heat and mass transfer modeling of an energy efficient Hybrid Membrane-Based Air Conditioning System for humid climates. Journal of Membrane Science, 2021, 625, 119179.	4.1	17
3015	Numerical investigation on the ingress of particulate matter from ambient air into the inlet of a building air handling unit. Indoor Air, 2021, 31, 1940-1951.	2.0	3
3016	Multiple time-scale economic dispatching strategy for commercial building with virtual energy storage under demand response mechanism. International Journal of Energy Research, 2021, 45, 16204-16227.	2.2	6
3017	Investigation of students' short-term memory performance and thermal sensation with heart rate variability under different environments in summer. Building and Environment, 2021, 195, 107765.	3.0	16
3018	Predicting Hourly Energy Consumption in Buildings. , 2021, , .		0
3019	Determining optimal parameter ranges of warm supply air for stratum ventilation using Pareto-based MOPSO and cluster analysis. Journal of Building Engineering, 2021, 37, 102145.	1.6	10
3020	Enhanced condensation heat transfer using porous silica inverse opal coatings on copper tubes. Scientific Reports, 2021, 11, 10675.	1.6	12
3021	Phase Change Materials Technologies Review and Future Application in Lebanon: Part 1. Key Engineering Materials, 0, 886, 228-240.	0.4	0
3024	A comparative analysis on the effects of pumice, tuff and conventional aggregates on energy efficiency performance in new generation composite mortars. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	3

#	ARTICLE	IF	CITATIONS
3025	Sensitivity analysis of household factors and energy consumption in residential houses: A multi-dimensional hybrid approach using energy monitoring and modeling. <i>Energy and Buildings</i> , 2021, 239, 110864.	3.1	12
3026	Numerical evaluation of the thermal performance of a near-surface earth-to-air heat exchanger with short-grass ground cover: A parametric study. <i>International Journal of Refrigeration</i> , 2021, 125, 25-33.	1.8	10
3027	Benchmarking the practice of validation and uncertainty analysis of building energy models. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 142, 110842.	8.2	24
3028	Energy Audit System for Households using Machine Learning. <i>International Journal of Innovative Technology and Exploring Engineering</i> , 2021, 10, 33-36.	0.2	0
3029	Impact of natural and social environmental factors on building energy consumption: Based on bibliometrics. <i>Journal of Building Engineering</i> , 2021, 37, 102136.	1.6	52
3030	Comparative analysis on predictability of natural ventilation rate based on machine learning algorithms. <i>Building and Environment</i> , 2021, 195, 107744.	3.0	35
3031	Optimal Control Strategies for Switchable Transparent Insulation Systems Applied to Smart Windows for US Residential Buildings. <i>Energies</i> , 2021, 14, 2917.	1.6	5
3032	Research on diagnostic strategy for faults in VRF air conditioning system using hybrid data mining methods. <i>Energy and Buildings</i> , 2021, 247, 111144.	3.1	12
3033	Performance investigations of cross flow indirect evaporative cooler. <i>Materials Today: Proceedings</i> , 2021, , .	0.9	1
3034	Phase Change Materials Technologies Review and Future Application in Lebanon: Part II. <i>Key Engineering Materials</i> , 0, 886, 256-270.	0.4	0
3035	My Optimal Residential House Implementation through Power Audit. , 2021, , .		1
3036	Multi-Objective Optimization of HVAC Operation for Balancing Energy Use and Occupant Comfort in Educational Buildings. <i>Energies</i> , 2021, 14, 2847.	1.6	10
3037	Techno-economic assessment of reversible Solid Oxide Cell integration to renewable energy systems at building and district scale. <i>Energy Conversion and Management</i> , 2021, 235, 113993.	4.4	36
3038	Evaluation of Energy Saving Effort on Office Buildings in Archipelago City. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1125, 012097.	0.3	1
3039	Study of energy consumption in a wastewater treatment plant using logistic regression. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 664, 012054.	0.2	3
3040	Studies on geothermal energy utilization: a review. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 664, 012072.	0.2	1
3041	Using the internet of things in smart energy systems and networks. <i>Sustainable Cities and Society</i> , 2021, 68, 102783.	5.1	88
3042	A critical review of combined natural ventilation techniques in sustainable buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 141, 110795.	8.2	93



#	ARTICLE	IF	CITATIONS
3043	Electrochemical ion insertion from the atomic to the device scale. <i>Nature Reviews Materials</i> , 2021, 6, 847-867.	23.3	84
3044	Impact of the COVID-19 Pandemic on the Energy Use at the University of Almeria (Spain). <i>Sustainability</i> , 2021, 13, 5843.	1.6	26
3045	Performance improvement of integrated CO <sub>2</sub> systems with HVAC and hot water for hotels. <i>Thermal Science and Engineering Progress</i> , 2021, 23, 100869.	1.3	3
3046	Data-driven model predictive control for power demand management and fast demand response of commercial buildings using support vector regression. <i>Building Simulation</i> , 2022, 15, 317-331.	3.0	29
3047	Comparison of Downdraught and Up Draft Passive Air Conduction Systems (PACS) in a Winery Building. <i>Buildings</i> , 2021, 11, 259.	1.4	2
3048	Identification of passive solar design determinants in office building envelopes in hot and humid climates using data mining techniques. <i>Building and Environment</i> , 2021, 196, 107566.	3.0	24
3049	A new study on passive radiative sky cooling resource maps of China. <i>Energy Conversion and Management</i> , 2021, 237, 114132.	4.4	30
3050	Thermophysics Analysis of Office Buildings with a Temperature-Humidity Coupling Strategy Under Hot-Arid Climatic Conditions. <i>International Journal of Thermophysics</i> , 2021, 42, 1.	1.0	6
3051	Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene-Decorated Nanoporous Polyethylene Textile for Passive and Active Personal Precision Heating. <i>ACS Nano</i> , 2021, 15, 11396-11405.	7.3	141
3052	Energy Efficient Smart Plasmochromic Windows: Properties, Manufacturing and Integration in Insulating Glazing. <i>Nano Energy</i> , 2021, 84, 105894.	8.2	23
3053	Practical issues in implementing machine-learning models for building energy efficiency: Moving beyond obstacles. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 143, 110929.	8.2	63
3054	A data-driven network optimisation approach to coordinated control of distributed photovoltaic systems and smart buildings in distribution systems. <i>IET Energy Systems Integration</i> , 2021, 3, 285-294.	1.1	3
3055	Research on residential thermal environment differences in relation to transition and heating periods in Beijing. <i>Building and Environment</i> , 2021, 197, 107851.	3.0	9
3056	Thermal energy regulation with 3D printed polymer-phase change material composites. <i>Matter</i> , 2021, 4, 1975-1989.	5.0	55
3057	Analysis of Envelopes Applied To Bioclimatic Architectures. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1154, 012038.	0.3	1
3058	Adaptive thermal comfort study of workers in a mini-industrial unit during summer and winter season in a tropical country, India. <i>Building and Environment</i> , 2021, 197, 107874.	3.0	10
3059	The impacts of occupant behavior on building energy consumption: A review. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 101212.	1.7	32
3060	Effect of sunspace and PCM louver combination on the energy saving of rural residences: Case study in a severe cold region of China. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 101126.	1.7	19

#	ARTICLE	IF	CITATIONS
3061	3D Modeling of the Thermal Transfer through Precast Buildings Envelopes. <i>Energies</i> , 2021, 14, 3751.	1.6	2
3062	Mitigating the Energy Consumption and the Carbon Emission in the Building Structures by Optimization of the Construction Processes. <i>Energies</i> , 2021, 14, 3287.	1.6	21
3063	Embedded heating, ventilation, and air-conditioning control systems: From traditional technologies toward radar advanced sensing. <i>Review of Scientific Instruments</i> , 2021, 92, 061501.	0.6	18
3064	Waste to phosphorus: A transdisciplinary solution to P recovery from wastewater based on the TRIZ approach. <i>Journal of Environmental Management</i> , 2021, 287, 112235.	3.8	28
3065	Who drives green innovations? Characteristics and policy implications for green building collaborative innovation networks in China. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 143, 110875.	8.2	69
3066	Fabrication of FTO/PNIPAm/FTO Electrical-Thermal Dual-Response Smart Window for Solar Radiation Management in the Full Temperature Range**. <i>ChemistrySelect</i> , 2021, 6, 5496-5503.	0.7	6
3067	Energy performance of window with PCM frame. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 101109.	1.7	9
3068	Investigation of a passive design approach for a building facility: a case study. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-19.	1.2	4
3069	Informing the planning of rotating power outages in heat waves through data analytics of connected smart thermostats for residential buildings. <i>Environmental Research Letters</i> , 2021, 16, 074003.	2.2	12
3070	A fuzzy robust multi-objective optimization model for building energy retrofit considering utility function: A university building case study. <i>Energy and Buildings</i> , 2021, 241, 110933.	3.1	23
3071	Holistic integration of multi-stage dew point counter flow indirect evaporative cooler with the solar-assisted desiccant cooling system: A techno-economic evaluation. <i>Energy for Sustainable Development</i> , 2021, 62, 163-174.	2.0	19
3072	Towards Sustainable Energy Retrofitting, a Simulation for Potential Energy Use Reduction in Residential Buildings in Palestine. <i>Energies</i> , 2021, 14, 3876.	1.6	29
3073	Combined thermal and moisture convection and entropy generation in an inclined rectangular enclosure partially saturated with porous wall: Nonlinear effects with Soret and Dufour numbers. <i>International Journal of Mechanical Sciences</i> , 2021, 199, 106412.	3.6	17
3074	A New Model Predictive Control Method for Eliminating Hydraulic Oscillation and Dynamic Hydraulic Imbalance in a Complex Chilled Water System. <i>Energies</i> , 2021, 14, 3608.	1.6	6
3075	A review on behavioural propensity for building load and energy profile development – Model inadequacy and improved approach. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 101235.	1.7	2
3076	Building HVAC Control via Neural Networks and Natural Evolution Strategies. , 2021, , .		5
3077	Experimental study of a hybrid solar thermoelectric generator energy conversion system. <i>Energy Conversion and Management</i> , 2021, 238, 113997.	4.4	12
3078	A comprehensive comfort assessment method for indoor environmental quality in university open-plan offices in severe cold regions. <i>Building and Environment</i> , 2021, 197, 107845.	3.0	14

#	ARTICLE	IF	CITATIONS
3079	Privacy-preserving distributed optimal scheduling of regional integrated energy system considering different heating modes of buildings. <i>Energy Conversion and Management</i> , 2021, 237, 114096.	4.4	25
3080	Impact of Solar Gain on Energy Consumption and Thermal Comfort. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 723-733.	0.3	0
3081	Hygrothermal performance of a new thermal aerogel-based render under distinct climatic conditions. <i>Energy and Buildings</i> , 2021, 243, 111001.	3.1	21
3082	Wireless Performance Evaluation of Building Layouts: Closed-Form Computation of Figures of Merit. <i>IEEE Transactions on Communications</i> , 2021, 69, 4890-4906.	4.9	19
3083	Optimisation of HVAC control and manufacturing schedules for the reduction of peak energy demand in the manufacturing sector. <i>Energy</i> , 2021, 227, 120436.	4.5	14
3084	Decision-Making Processes in Controlling Exposure to Sunlight Supported by Simulation Tools: A Case Study in Warm Weather. <i>Energies</i> , 2021, 14, 4100.	1.6	0
3085	The promotion of innovative service business models through public procurement. An analysis of Energy Service Companies in Spain. <i>Sustainable Production and Consumption</i> , 2021, 27, 1857-1868.	5.7	13
3086	Comparative Analysis of Various Insulation Materials for Building Envelope Components. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 822, 012014.	0.2	1
3087	Energy Efficiency Strategies in the Social Housing Sector: Dynamic Considerations and Policies. <i>Journal of Management in Engineering - ASCE</i> , 2021, 37, .	2.6	11
3088	Developing a Long Short-Term Memory-Based Model for Forecasting the Daily Energy Consumption of Heating, Ventilation, and Air Conditioning Systems in Buildings. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6722.	1.3	3
3089	BIM-based analysis of energy efficiency design of building thermal system and HVAC system based on GB50189-2015 in China. <i>International Journal of Low-Carbon Technologies</i> , 2021, 16, 1277-1289.	1.2	6
3090	Intelligent Proximate Analysis of Coal Based on Near-Infrared Spectroscopy. <i>Journal of Applied Spectroscopy</i> , 2021, 88, 645-652.	0.3	12
3091	Evaluation of occupant's adaptive thermal comfort behaviour in naturally ventilated courtyard houses. <i>Smart and Sustainable Built Environment</i> , 2022, 11, 793-811.	2.2	11
3092	The Application of Silica-Based Aerogel Board on the Fire Resistance and Thermal Insulation Performance Enhancement of Existing External Wall System Retrofit. <i>Energies</i> , 2021, 14, 4518.	1.6	10
3093	A framework approach to the design of energy efficient residential buildings in Nigeria. <i>Energy and Built Environment</i> , 2022, 3, 384-397.	2.9	14
3094	Artificial Intelligence for the Prediction of the Thermal Performance of Evaporative Cooling Systems. <i>Energies</i> , 2021, 14, 3946.	1.6	25
3095	LoRaWAN-WiFi device semiconductor technology-based for airflow measurements in HVAC systems. , 2021, , .		0
3096	Some Aspects of HVAC Design in Energy Renovation of Buildings. , 0, , .		1

#	ARTICLE	IF	CITATIONS
3097	Net Zero Energy Consumption building in India: An overview and initiative toward sustainable future. <i>International Journal of Green Energy</i> , 2022, 19, 544-561.	2.1	29
3098	Energy Evaluation and Energy Savings Analysis with the 2 Selection of AC Systems in an Educational Building. <i>Sustainability</i> , 2021, 13, 7527.	1.6	6
3099	Different grades and different green premiums: a cross sectional analysis of a green certification scheme. <i>Pacific Rim Property Research Journal</i> , 2020, 26, 207-221.	0.4	1
3100	The energy and environment connection, research trends based on a bibliometric analysis. <i>Energy, Ecology and Environment</i> , 2021, 6, 479-495.	1.9	7
3101	The influencing factors on efficacy enhancement of HVAC systems – A review. <i>Materials Today: Proceedings</i> , 2023, 80, 3423-3432.	0.9	4
3102	Modeling hospital energy and economic costs for COVID-19 infection control interventions. <i>Energy and Buildings</i> , 2021, 242, 110948.	3.1	10
3103	Effect of the opening and location ratio on the performance of an H-Darrieus VAWT. <i>Revista Facultad De Ingeniería</i> , 0, , .	0.5	0
3104	A constrained distributed time-series neural network MPC approach for HVAC system energy saving in a medium-large building. <i>Journal of Building Performance Simulation</i> , 2021, 14, 383-400.	1.0	5
3105	Stacking Ensemble Tree Models to Predict Energy Performance in Residential Buildings. <i>Sustainability</i> , 2021, 13, 8298.	1.6	20
3106	Image-based occupancy positioning system using pose-estimation model for demand-oriented ventilation. <i>Journal of Building Engineering</i> , 2021, 39, 102220.	1.6	15
3107	An Integrated Sensitivity Analysis Method for Energy and Comfort Performance of an Office Building along the Chinese Coastline. <i>Buildings</i> , 2021, 11, 371.	1.4	17
3108	A sex/age anomaly in thermal comfort observed in an office worker field study: A menopausal effect?. <i>Indoor Air</i> , 2022, 32, .	2.0	5
3109	A Hybrid Simulation Model to Predict the Cooling Energy Consumption for Residential Housing in Hong Kong. <i>Energies</i> , 2021, 14, 4850.	1.6	6
3110	Comprehensive assessment of sustainable potential of agricultural residues for bioenergy based on geographical information system: A case study of China. <i>Renewable Energy</i> , 2021, 173, 466-478.	4.3	12
3111	Optimal control of chilled water systems based on collaboration of the equipment's near-optimal performance maps. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 46, 101236.	1.7	3
3112	Controlling radiative heat flows in interior spaces to improve heating and cooling efficiency. <i>IScience</i> , 2021, 24, 102825.	1.9	13
3113	Measurement of solar reflectance of roofs: Effect of paint aging and a discussion on ASTM E1918 standard. <i>Energy and Buildings</i> , 2021, 245, 111057.	3.1	5
3114	Compressive and thermal properties of foamed concrete at high temperature. <i>Journal of Sustainable Cement-Based Materials</i> , 2022, 11, 353-369.	1.7	6

#	ARTICLE	IF	CITATIONS
3115	Analytical model of semi-transparent photovoltaic double-skin facade system (STPV-DSF) for natural and forced ventilation modes. <i>International Journal of Ventilation</i> , 2023, 22, 138-167.	0.2	3
3116	Numerical and experimental investigation of thermal performance in data center with different deflectors for cold aisle containment. <i>Building and Environment</i> , 2021, 200, 107961.	3.0	18
3117	Building envelopes toward energy-efficient buildings: A balanced multi-approach decision making. <i>International Journal of Energy Research</i> , 2021, 45, 21096-21113.	2.2	20
3118	Educational building retrofit under climate change and urban heat island effect. <i>Journal of Building Engineering</i> , 2021, 40, 102294.	1.6	27
3119	Advancing smart building readiness: Automated metadata extraction using neural language processing methods. <i>Advances in Applied Energy</i> , 2021, 3, 100041.	6.6	10
3120	Improving energy efficiency of HVAC systems in buildings: a review of best practices. <i>International Journal of Building Pathology and Adaptation</i> , 2022, 40, 165-182.	0.7	9
3121	Radiative heat loss estimation of building envelopes based on 3D thermographic models utilizing small unmanned aerial systems (sUAS). <i>Energy and Buildings</i> , 2021, 244, 110957.	3.1	5
3122	Machine Learning Algorithms for Predicting Electricity Consumption of Buildings. <i>Wireless Personal Communications</i> , 2021, 121, 3329-3341.	1.8	6
3123	Experimental and modeling investigation of water adsorption of hydrophilic carboxylate-based MOF for indoor moisture control. <i>Energy</i> , 2021, 228, 120654.	4.5	19
3124	Parametric analysis of factors affecting thermal performance of photovoltaic triple skin facade system (PV-TSF). <i>Journal of Building Engineering</i> , 2021, 40, 102344.	1.6	4
3125	The Impact of Incentives on Employees to Change Thermostat Settings—A Field Study. <i>Energies</i> , 2021, 14, 5315.	1.6	3
3126	A framework to identify key occupancy indicators for optimizing building operation using WiFi connection count data. <i>Building and Environment</i> , 2021, 200, 107936.	3.0	26
3127	The Effectiveness of TiO <sub>2</sub> -Loaded Air-Cathode in a Floating Microbial Fuel Cell. <i>Key Engineering Materials</i> , 0, 896, 67-71.	0.4	0
3128	Heritage conservation as a bridge to sustainability assessing thermal performance and the preservation of identity through heritage conservation in the Mediterranean city of Nablus. <i>Ain Shams Engineering Journal</i> , 2022, 13, 101553.	3.5	25
3129	A Novel Approach to Save Energy by Detecting Faulty HVACs. <i>Journal of the Institution of Engineers (India): Series B</i> , 2022, 103, 305-311.	1.3	3
3130	A hybrid ANN-LSTM based model for indoor temperature prediction. , 2021, , .		3
3131	Construction method for air cooling/heating process in HVAC system based on grade match between energy and load. <i>International Journal of Refrigeration</i> , 2021, 131, 10-19.	1.8	8
3132	A Review on Thermophysical Properties for Heat Transfer Enhancement of Carbon-Based Nanolubricant. <i>Advanced Engineering Materials</i> , 2021, 23, 2100403.	1.6	5

#	ARTICLE	IF	CITATIONS
3133	Differential pressure reset strategy based on reinforcement learning for chilled water systems. <i>Building Simulation</i> , 2022, 15, 233-248.	3.0	6
3134	Global populationâ€weighted degreeâ€day projections for a combination of climate and socioâ€economic scenarios. <i>International Journal of Climatology</i> , 2021, 41, 5447-5464.	1.5	5
3135	A Distributed Fusion LSTM Model to Forecast Temperature and Relative Humidity in Smart Buildings. , 2021, , .		2
3136	Towards a holistic approach to indoor environmental quality assessment: Weighting schemes to combine effects of multiple environmental factors. <i>Energy and Buildings</i> , 2021, 245, 111056.	3.1	39
3137	Exploring the potential of photoluminescence for urban passive cooling and lighting applications: A new approach towards materialsâ€™ optimization. <i>Energy</i> , 2021, 231, 120815.	4.5	14
3138	HVAC Energy Saving Strategies for Public Buildings Based on Heat Pumps and Demand Controlled Ventilation. <i>Energies</i> , 2021, 14, 5541.	1.6	18
3139	Heating Performances of a Large-Scale Factory Evaluated through Thermal Comfort and Building Energy Consumption. <i>Energies</i> , 2021, 14, 5617.	1.6	2
3140	Green building aspects in Bangladesh: A study based on experts opinion regarding climate change. <i>Environment, Development and Sustainability</i> , 2022, 24, 9260-9284.	2.7	7
3141	Climate Responsive Strategy Matrix for Designing Buildings in India. <i>Nature Environment and Pollution Technology</i> , 2021, 20, .	0.2	1
3142	Annealing effect on the electrochromic properties of amorphous WO <sub>3</sub> films in Mg <sup>2+</sup> based electrolytes. <i>Materials Chemistry and Physics</i> , 2021, 270, 124745.	2.0	9
3143	Cooling/heating load management in educational buildings through course scheduling. <i>Journal of Building Engineering</i> , 2021, 41, 102405.	1.6	5
3144	Investigating the Effect of High-Rise Buildingsâ€™ Mass Geometry on Energy Efficiency within the Climatic Variation of Egypt. <i>Sustainability</i> , 2021, 13, 10529.	1.6	1
3145	Flow topology and loss analysis of a square-to-square sudden expansion relevant to HVAC systems: A case study. <i>Journal of Building Engineering</i> , 2021, 41, 102802.	1.6	4
3146	Performance improvement of heat pumps by optimizing refrigerant charge using novel variable liquid-line length system. <i>Applied Thermal Engineering</i> , 2021, 196, 117287.	3.0	7
3147	A comprehensive review on energy saving options and saving potential in low voltage electricity distribution networks: Building and public lighting. <i>Sustainable Cities and Society</i> , 2021, 72, 103064.	5.1	44
3148	Dual-mode thermal-regulating and self-powered pressure sensing hybrid smart fibers. <i>Chemical Engineering Journal</i> , 2021, 420, 129650.	6.6	34
3149	A semi-supervised approach to fault detection and diagnosis for building HVAC systems based on the modified generative adversarial network. <i>Energy and Buildings</i> , 2021, 246, 111044.	3.1	47
3150	Performance evaluation of adsorption thermophysical battery for air conditioning applications. <i>Thermal Science and Engineering Progress</i> , 2022, 28, 101060.	1.3	1

#	ARTICLE	IF	CITATIONS
3151	A review of data-driven building performance analysis and design on big on-site building performance data. <i>Journal of Building Engineering</i> , 2021, 41, 102706.	1.6	12
3152	Heat Mapping, a Method for Enhancing the Sustainability of the Smart District Heat Networks. <i>Energies</i> , 2021, 14, 5462.	1.6	6
3153	Conventional and Advanced Glazing Technologies for Enhancing Thermal and Lighting Performance. <i>Engineering Research Journal</i> , 2021, 171, 1-15.	0.1	0
3154	Scientometric mapping of smart building research: Towards a framework of human-cyber-physical system (HCPS). <i>Automation in Construction</i> , 2021, 129, 103776.	4.8	33
3155	Energy efficiency analysis of a multifunctional hybrid open absorption system for dehumidification, heating, and cooling: An industrial waste heat recovery application. <i>Energy Conversion and Management</i> , 2021, 243, 114356.	4.4	12
3156	Radiant air-conditioning with infrared transparent polyethylene aerogel. <i>Materials Today Energy</i> , 2021, 21, 100800.	2.5	10
3157	Towards a quadrupole-based method for buildings simulation: Validation with ASHRAE 140 standard. <i>Thermal Science and Engineering Progress</i> , 2021, 28, 101069.	1.3	1
3158	The role of concrete in life cycle greenhouse gas emissions of US buildings and pavements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	15
3159	Nanolayers of carbon protected copper oxide nanocomposite for high performance energy storage and non-enzymatic glucose sensor. <i>Journal of Alloys and Compounds</i> , 2021, 875, 160063.	2.8	15
3160	Partition-Based Analytic Evaluation of Building Wireless Performance. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 9036-9049.	3.9	5
3161	The energy saving potential of thermo-responsive desiccants for air dehumidification. <i>Energy Conversion and Management</i> , 2021, 244, 114520.	4.4	21
3162	Comprehensive parameters for the definition of nearly zero energy and cost optimal levels considering the life cycle energy and thermal comfort of school buildings. <i>Energy and Buildings</i> , 2021, 253, 111487.	3.1	11
3163	Análisis de la influencia del coeficiente de transferencia de calor en la caracterización de la transmitancia térmica de fachadas con el método termométrico. <i>Informes De La Construcción</i> , 2021, 73, e409.	0.1	1
3164	The entransy analysis in the wet channel of dew point evaporative cooler. <i>Journal of Building Engineering</i> , 2021, , 103371.	1.6	3
3165	Analysis of thermal energy storage tanks and PV panels combinations in different buildings controlled through model predictive control. <i>Energy</i> , 2022, 239, 122201.	4.5	10
3166	Solar energy for air conditioning of an office building in a case study: Techno-economic feasibility assessment. <i>Renewable Energy Focus</i> , 2021, 39, 148-162.	2.2	9
3167	Data-Driven Distributionally Robust Hierarchical Coordination for Home Energy Management. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 4090-4101.	6.2	32
3168	Evaporative Cooling Integrated with Solid Desiccant Systems: A Review. <i>Energies</i> , 2021, 14, 5982.	1.6	12

#	ARTICLE	IF	CITATIONS
3169	A review for using swarm intelligence in architectural engineering. International Journal of Architectural Computing, 0, , 147807712110390.	0.9	0
3170	Enhancing the sustainability and energy conservation in heritage buildings: The case of Nottingham Playhouse. Frontiers of Architectural Research, 2022, 11, 142-160.	1.3	10
3171	Simulation of the roof shapes and building orientation on the energy performance of the buildings. Journal of Building Pathology and Rehabilitation, 2021, 6, 1.	0.7	4
3172	A Temperature & Humidity Setback Demand Response Strategy for HVAC Systems. Sustainable Cities and Society, 2021, 75, 103393.	5.1	8
3173	Experimental assessment of combining geothermal with conventional air conditioner regarding energy consumption in summer and winter. Diyala Journal of Engineering Sciences, 2021, 14, 94-107.	0.3	2
3174	AI-Assisted approach for building energy and carbon footprint modeling. Energy and AI, 2021, 5, 100091.	5.8	17
3175	Vacuum-Based Impregnation of Liquid Glass into Sunflower Press Cake Particles and Their Use in Bio-Based Rigid Polyurethane Foam. Materials, 2021, 14, 5351.	1.3	3
3176	Potential building energy savings by passive strategies combining daytime radiative coolers and thermochromic smart windows. Case Studies in Thermal Engineering, 2021, 28, 101517.	2.8	21
3177	A comparative life cycle assessment between green walls and green facades in the Mediterranean continental climate. Energy and Buildings, 2021, 249, 111236.	3.1	19
3178	Biomimetic adaptive electrochromic windows for enhancing building energy efficiency. Applied Energy, 2021, 300, 117341.	5.1	25
3179	Towards next generation virtual power plant: Technology review and frameworks. Renewable and Sustainable Energy Reviews, 2021, 150, 111358.	8.2	95
3180	Global Air Conditioning Performance Indicator (ACPI) for buildings, in tropical climate. Building and Environment, 2021, 203, 108071.	3.0	12
3181	Development of smart window using an hydroxypropyl cellulose-acrylamide hydrogel and evaluation of weathering resistance and heat shielding effect. Solar Energy Materials and Solar Cells, 2021, 232, 111348.	3.0	17
3182	Methodology for developing economically efficient strategies for net zero energy buildings: A case study of a prototype building in the Yangtze River Delta, China. Journal of Cleaner Production, 2021, 320, 128849.	4.6	10
3183	Utilization of U-shaped finned heat pipe heat exchanger in energy-efficient HVAC systems. Thermal Science and Engineering Progress, 2021, 25, 100984.	1.3	12
3184	A wall solar chimney to ventilate multi-zone buildings. Sustainable Energy Technologies and Assessments, 2021, 47, 101381.	1.7	8
3185	Natural ventilation flows established by a localised heat source in a room with a doorway and a high-level vent. Building and Environment, 2021, 203, 108093.	3.0	4
3186	Nature-inspired moisture management fabric for unidirectional liquid transport and surface repellence and resistance. Energy and Buildings, 2021, 248, 111203.	3.1	35



#	ARTICLE	IF	CITATIONS
3187	Novel stochastic approach to predict the energy demand and thermal comfort in the office buildings considering materials and human-related Gaussian uncertainties. <i>Journal of Building Engineering</i> , 2021, 42, 102831.	1.6	3
3188	A review of optimization approaches for controlling water-cooled central cooling systems. <i>Building and Environment</i> , 2021, 203, 108100.	3.0	24
3189	From bandages to buildings: Identifying the environmental hotspots of hospitals. <i>Journal of Cleaner Production</i> , 2021, 319, 128479.	4.6	23
3190	Ultrathin, transparent, thermally-insulated, and energy-efficient flexible window using coatable chiral-nematic liquid crystal polymer. <i>Journal of Molecular Liquids</i> , 2021, 339, 116804.	2.3	7
3191	Optimisation of a smart energy hub with integration of combined heat and power, demand side response and energy storage. <i>Energy</i> , 2021, 234, 121268.	4.5	27
3192	Zoned heating, ventilation, and air conditioning residential systems: A systematic review. <i>Journal of Building Engineering</i> , 2021, 43, 102925.	1.6	6
3193	A novel fault diagnosis and self-calibration method for air-handling units using Bayesian Inference and virtual sensing. <i>Energy and Buildings</i> , 2021, 250, 111293.	3.1	21
3194	Intelligent control for energy conservation of air conditioning system in manufacturing systems. <i>Energy Reports</i> , 2021, 7, 2125-2137.	2.5	6
3195	A framework for a multi-source, data-driven building energy management toolkit. <i>Energy and Buildings</i> , 2021, 250, 111255.	3.1	10
3196	Ultrahigh water sorption on highly nitrogen doped carbonaceous materials derived from uric acid. <i>Journal of Colloid and Interface Science</i> , 2021, 602, 880-888.	5.0	9
3197	Are you an energy saver at home? The personality insights of household energy conservation behaviors based on theory of planned behavior. <i>Resources, Conservation and Recycling</i> , 2021, 174, 105823.	5.3	59
3198	Thermal energy storage using phase change material: Analysis of partial tank charging and discharging on system performance in a building cooling application. <i>Applied Thermal Engineering</i> , 2021, 198, 117437.	3.0	33
3199	Design of a novel LED bulb with entire surface thermally activated for passive cooling. <i>Applied Thermal Engineering</i> , 2021, 198, 117466.	3.0	4
3200	Parametric study of solid-solid translucent phase change materials in building windows. <i>Applied Energy</i> , 2021, 301, 117467.	5.1	24
3201	Computational approach to extend the air-conditioning usage to adaptive comfort: Adaptive-Comfort-Control-Implementation Script. <i>Automation in Construction</i> , 2021, 131, 103900.	4.8	9
3202	Effect of an on/off HVAC control on indoor temperature distribution and cycle variability in a single-floor residential building. <i>Energy and Buildings</i> , 2021, 251, 111289.	3.1	9
3203	Climatic division for the design of HVAC systems. <i>Journal of Cleaner Production</i> , 2021, 323, 129160.	4.6	3
3204	Microscopic estimation of swelling and shrinkage of hemp concrete in response to relative humidity variations. <i>Journal of Building Engineering</i> , 2021, 43, 102929.	1.6	4

#	ARTICLE	IF	CITATIONS
3205	Numerical assessment on the thermal imbalance of multiple ground heat exchangers connected in parallel. <i>Geothermics</i> , 2021, 96, 102191.	1.5	8
3206	Phase change material based ventilation module - Numerical study and experimental validation of serial design. <i>Energy</i> , 2021, 234, 121209.	4.5	7
3207	Identifying practical sustainable retrofit measures for existing high-rise residential buildings in various climate zones through an integrated energy-cost model. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111578.	8.2	24
3208	Cooling load disaggregation using a NILM method based on random forest for smart buildings. <i>Sustainable Cities and Society</i> , 2021, 74, 103202.	5.1	18
3209	Design of cascade analysis for renewable and waste heat recovery in a solar thermal regeneration unit of a liquid desiccant dehumidification system. <i>Energy</i> , 2021, 235, 121284.	4.5	9
3210	Energy performance analytics and behavior prediction during unforeseen circumstances of retrofitted buildings in the arid climate. <i>Energy Reports</i> , 2021, 7, 6182-6195.	2.5	15
3211	Thermal comfort assessment of the first residential Passivhaus in Latin America. <i>Journal of Building Engineering</i> , 2021, 43, 103081.	1.6	5
3212	Measuring the monetary value of environmental externalities derived from urban underground facilities: Towards a better understanding of sustainable underground spaces. <i>Energy and Buildings</i> , 2021, 250, 111313.	3.1	19
3213	Energy performance analysis of a historical building using cost-optimal assessment. <i>Energy and Buildings</i> , 2021, 250, 111301.	3.1	12
3214	A method for optimal operation of HVAC with heat pumps for reducing the energy demand of large-scale non residential buildings. <i>Journal of Building Engineering</i> , 2021, 43, 103175.	1.6	8
3215	Towards an energy efficient cement composite incorporating silica aerogel: A state of the art review. <i>Journal of Building Engineering</i> , 2021, 44, 103227.	1.6	13
3216	Investigating effects of urban configuration and density on urban climate and building systems energy consumption. <i>Journal of Building Engineering</i> , 2021, 44, 102710.	1.6	9
3217	Predictive models for daylight performance of general floorplans based on CNN and GAN: A proof-of-concept study. <i>Building and Environment</i> , 2021, 206, 108346.	3.0	21
3218	Thermal preference prediction based on occupants' adaptive behavior in indoor environments- A study of an air-conditioned multi-occupancy office in China. <i>Building and Environment</i> , 2021, 206, 108355.	3.0	15
3219	Optimal chiller loading in dual-temperature chilled water plants for energy saving. <i>Energy and Buildings</i> , 2021, 252, 111425.	3.1	9
3220	Modelling and experimental performance investigation of a transpired solar collector and underground heat exchanger assisted hybrid evaporative cooling system. <i>Journal of Building Engineering</i> , 2021, 44, 102620.	1.6	7
3221	Multi-step building energy model calibration process based on measured data. <i>Energy and Buildings</i> , 2021, 252, 111380.	3.1	24
3222	Development of the closed loop pulsating heat pipe cool roof system for residential buildings. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101487.	2.8	7

#	ARTICLE	IF	CITATIONS
3223	Insights into the deposition of nanostructured nickel oxides by amino acid chelated Complexes: Benefits of mixed side chains in the formation of nanostructures for Energy-efficient Electrochromic windows. <i>Applied Surface Science</i> , 2021, 568, 150914.	3.1	3
3224	Analyzing energy consumption patterns of an educational building through data mining. <i>Journal of Building Engineering</i> , 2021, 44, 103385.	1.6	10
3225	Investigation of the friction-induced vibration of a novel four-way reversing valve using spectral kurtosis and number of peaks spectrum. <i>Mechanical Systems and Signal Processing</i> , 2022, 166, 108425.	4.4	8
3226	A hybrid method of cooling load forecasting for large commercial building based on extreme learning machine. <i>Energy</i> , 2022, 238, 122073.	4.5	51
3227	An electrochromic window based on hierarchical amorphous WO <sub>3</sub> /SnO <sub>2</sub> nanoflake arrays with boosted NIR modulation. <i>Applied Surface Science</i> , 2022, 571, 151277.	3.1	26
3228	Experimental study on liquid desiccant regeneration performance of solar still and natural convective regenerators with/without mixed convection effect generated by solar chimney. <i>Energy</i> , 2022, 239, 121919.	4.5	8
3229	Energy Efficient and Safe Control Strategy for Electric Vehicles Including Driver Preference. <i>IEEE Access</i> , 2021, 9, 11109-11122.	2.6	6
3230	Sensitivity Analysis of 4R3C Model Parameters with Respect to Structure and Geometric Characteristics of Buildings. <i>Energies</i> , 2021, 14, 657.	1.6	3
3231	Implementation of MPC for an all-air system in an educational building. <i>E3S Web of Conferences</i> , 2021, 246, 11007.	0.2	0
3232	Efficient Refrigeration and Air-Conditioning Systems. , 2021, , 209-327.		0
3233	Solar Heating and Cooling Systems. , 2021, , 329-445.		1
3234	Towards Post-Carbon Cities: Which retrofit scenarios for hotels in Italy?. <i>Renewable Energy</i> , 2021, 163, 950-963.	4.3	7
3235	IoT-Based Household Energy Consumption Prediction Using Machine Learning. <i>EAI/Springer Innovations in Communication and Computing</i> , 2021, , 137-152.	0.9	1
3236	Energy-Efficiency Model for Residential Buildings Using Supervised Machine Learning Algorithm. <i>Intelligent Automation and Soft Computing</i> , 2021, 30, 881-888.	1.6	12
3237	Data-Driven Approaches for Prediction and Classification of Building Energy Consumption. <i>Sustainable Development Goals Series</i> , 2021, , 11-45.	0.2	0
3238	Energy-Efficient Homes. <i>Impact of Meat Consumption on Health and Environmental Sustainability</i> , 2021, , 49-71.	0.4	0
3240	Energy Consumption Analysis of Education Buildings: The Case Study of Balikesir University. <i>Gazi University Journal of Science</i> , 2021, 34, 665-677.	0.6	5
3241	Sensor-Based Optimization of Energy Efficiency in Internet of Things: A Review. <i>Lecture Notes in Civil Engineering</i> , 2021, , 153-161.	0.3	3

#	ARTICLE	IF	CITATIONS
3242	Concepts of Energy-Efficient Buildings. Springer Tracts in Civil Engineering, 2021, , 43-65.	0.3	1
3243	Sustainable Panels Made with Industrial and Agricultural Waste: Thermal and Environmental Critical Analysis of the Experimental Results. Applied Sciences (Switzerland), 2021, 11, 494.	1.3	18
3245	The Uses of Renewable Energy in Buildings. Impact of Meat Consumption on Health and Environmental Sustainability, 2021, , 257-274.	0.4	0
3246	Interrelationships between electricity, gas, and water consumption in large-scale buildings. Journal of Industrial Ecology, 2021, 25, 932-947.	2.8	12
3247	Automatic Evolutionary Settings of Machine Learning Methods for Buildings' Thermal Loads Prediction. Lecture Notes in Computer Science, 2021, , 183-195.	1.0	0
3248	Evaluation of mustard oil for the synthesis of biodiesel: Pretreatment and optimization study. Environmental Progress and Sustainable Energy, 2018, 37, 1829-1835.	1.3	17
3249	Biofuel Production With Sulfonated High Surface Area Carbons Derived From Glucose. ChemistrySelect, 2020, 5, 1534-1538.	0.7	5
3250	Energy Consumption Prediction of Residential Buildings Using Fuzzy Neural Networks. Advances in Intelligent Systems and Computing, 2019, , 507-515.	0.5	1
3251	Deep Learning in Modeling Energy Cost of Buildings in the Public Sector. Advances in Intelligent Systems and Computing, 2020, , 101-110.	0.5	2
3252	Gradient Boosting Ensembles for Predicting Heating and Cooling Loads in Building Design. Lecture Notes in Computer Science, 2019, , 495-506.	1.0	1
3253	Explainable Artificial Intelligence Based Heat Recycler Fault Detection in Air Handling Unit. Lecture Notes in Computer Science, 2019, , 110-125.	1.0	14
3254	Sustainable Urban Form and Design. , 2020, , 137-147.		1
3255	Multimodal Structure for the Management of Energies in a Residential Home. , 2014, , 459-469.		1
3256	Toward Web Enhanced Building Automation Systems. Studies in Computational Intelligence, 2014, , 259-283.	0.7	6
3257	Environmental Impact and Life Cycle Evaluation of Materials. , 2015, , 799-835.		4
3258	Exploration of Building-Occupant Communication Methods for Reducing Energy Consumption in Buildings. Communications in Computer and Information Science, 2015, , 558-563.	0.4	1
3259	Predicting Future Overheating in a Passivhaus Dwelling Using Calibrated Dynamic Thermal Simulation Models. , 2017, , 163-183.		2
3260	Modeling Human Behavior for Energy-Usage Prediction. Communications in Computer and Information Science, 2011, , 298-302.	0.4	5

#	ARTICLE	IF	CITATIONS
3261	Comfort as a Multidimensional Preference Model for Energy Efficiency Control Issues. Lecture Notes in Computer Science, 2012, , 486-499.	1.0	3
3262	A Negotiation Approach for Energy-Aware Room Allocation Systems. Communications in Computer and Information Science, 2013, , 280-291.	0.4	4
3263	Towards a BIM Approach for a High Performance Renovation of Apartment Buildings. IFIP Advances in Information and Communication Technology, 2014, , 21-30.	0.5	7
3264	Prediction of Energy Consumed by Home Appliances with the Visualization of Plot Analysis Applying Different Classification Algorithm. Advances in Intelligent Systems and Computing, 2020, , 246-257.	0.5	2
3265	Present State of Cooling, Energy Consumption and Sustainability. Green Energy and Technology, 2021, , 1-15.	0.4	3
3266	Algal Butanol Production. Clean Energy Production Technologies, 2020, , 33-50.	0.3	1
3267	Building Insulating Materials from Agricultural By-Products: A Review. Smart Innovation, Systems and Technologies, 2020, , 309-318.	0.5	12
3268	Role of MPC in Building Climate Control. Computer Aided Chemical Engineering, 2011, 29, 728-732.	0.3	10
3269	A semi-physical static model for optimizing power consumption of HVAC systems. Control Engineering Practice, 2020, 96, 104312.	3.2	10
3270	A systematic review of solar driven waste to fuel pyrolysis technology for the Australian state of Victoria. Energy Reports, 2020, 6, 3212-3229.	2.5	14
3271	Investigation of the correlation of building energy use intensity estimated by six building performance simulation tools. Energy and Buildings, 2017, 147, 14-26.	3.1	30
3272	Thermodynamic analysis of a hybrid membrane liquid desiccant dehumidification and dew point evaporative cooling system. Energy Conversion and Management, 2018, 156, 440-458.	4.4	58
3273	A variation focused cluster analysis strategy to identify typical daily heating load profiles of higher education buildings. Energy, 2017, 134, 90-102.	4.5	70
3274	Dynamic thermal performance of ultra-light and thermal-insulative aerogel foamed concrete for building energy efficiency. Solar Energy, 2020, 204, 569-576.	2.9	41
3276	Assessment of users' responses to air change rates in free running office buildings. Sustainable Buildings, 2017, 2, 1.	0.7	4
3277	Adoption Dynamics of Carbon Abatement Strategies in the Colombian Office Building Sector. , 2020, , .		2
3278	The Operating Expense Puzzle of U.S. Green Office Buildings. Journal of Sustainable Real Estate, 2013, 5, 86-110.	0.5	9
3279	Managing household electricity consumption: a correlational, regression analysis. International Journal of Sustainable Energy, 2020, 39, 486-496.	1.3	7

#	ARTICLE	IF	CITATIONS
3280	Electrical Demand and its Flexibility in Different Energy Sectors. Electric Power Components and Systems, 2020, 48, 1339-1361.	1.0	21
3281	A multi-occupantsâ€™ comfort-driven and energy-efficient control strategy of VAV system based on learned thermal comfort profiles. Science and Technology for the Built Environment, 2018, 24, 1141-1149.	0.8	10
3282	Energy Exchangers: Run-Around Membrane. , 2014, , 630-636.		1
3283	Coalescence-induced nanodroplet jumping. Physical Review Fluids, 2016, 1, .	1.0	128
3284	Design and implementation of IoT-based HVAC system for future zero energy building. , 2017, , .		10
3285	Mild-to-moderate Vibration Sensible Cost-effective Electricity Generating Floor Tile. , 2019, , .		3
3286	Energy Consumption Scheduling of HVAC Considering Weather Forecast Error Through the Distributionally Robust Approach. IEEE Transactions on Industrial Informatics, 2018, 14, 846-857.	7.2	54
3287	Evaluation of Dynamic Insulation Systems for Residential Buildings in Barcelona, Spain. ASME Journal of Engineering for Sustainable Buildings and Cities, 2020, 1, .	0.6	4
3288	Assessment of Photovoltaic Capabilities in Urban Environments: A Case Study of Islamabad, Pakistan. Journal of Solar Energy Engineering, Transactions of the ASME, 2020, 142, .	1.1	8
3289	Potential of Implementing the Low Concentration Photovoltaic Systems in the United Kingdom. International Journal of Electrical and Computer Engineering, 2017, 7, 1398.	0.5	4
3290	Computational and Artificial Intelligence Study of the Parameters Affecting the Performance of Heat Recovery Wheels. American Journal of Energy Engineering, 2015, 3, 79.	0.1	1
3291	Dividing air handling loads into different grades and handling air with different grade energies. Indoor and Built Environment, 0, , 1420326X2096150.	1.5	3
3292	Identification of Primary Factors Influencing Energy Consumption Patterns of Commercial and Residential Buildings. KIEAE Journal, 2020, 20, 21-30.	0.1	2
3293	Development of Fuzzy Logic Control for Indoor Lighting Using LEDs Group. Telkomnika (Telecommunication Computing Electronics and Control), 2018, 16, 1165.	0.6	7
3294	Non-Compliance with Building Energy Regulations: The Profile, Issues, and Implications on Practice and Policy in England and Wales. Journal of Sustainable Development of Energy, Water and Environment Systems, 2013, 1, 340-351.	0.9	4
3295	Evaluating Sustainability of Buildings Using Multi-Attribute Decision Tools. Forest Products Journal, 2017, 67, 179-189.	0.2	9
3296	Flexible thermal responsive infrared reflector based on cholesteric liquid crystals and polymer stabilized cholesteric liquid crystals. Optics Express, 2019, 27, 13516.	1.7	31
3297	Energy and Cost Associated with Ventilating Office Buildings in a Tropical Climate. PLoS ONE, 2015, 10, e0122310.	1.1	37

#	ARTICLE	IF	CITATIONS
3298	Application of acoustic agglomeration to enhance air filtration efficiency in air-conditioning and mechanical ventilation (ACMV) systems. <i>PLoS ONE</i> , 2017, 12, e0178851.	1.1	38
3299	A Statistical Analysis of Desiccant Dehumidifier for Air Conditioning Application. <i>International Journal of Hybrid Information Technology</i> , 2015, 8, 245-256.	0.6	5
3300	The Typical Application of Building Energy Consumption Monitoring and Energy Management: A Case Study. <i>International Journal of Smart Home</i> , 2015, 9, 177-188.	0.6	3
3301	Design of Sunshade Board with South External Window of Residential Building in Hangzhou Based on Software Simulation Analysis of Energy Saving. <i>International Journal of Smart Home</i> , 2015, 9, 157-166.	0.6	1
3302	Heating Load Predictions using The Static Neural Networks Method. <i>International Journal of Technology</i> , 2015, 6, 946.	0.4	16
3303	Smart House - inteligentny budynek - idea przyszłości. <i>Przegląd Elektrotechniczny</i> , 2017, 1, 3-12.	0.1	5
3304	Performance of Vacuum Insulation Panel Constructed With Fiber&#x2013;Powder Composite as Core Material. , 2014, , 1-10.		3
3305	Identifying Causality Relationship between Energy Consumption and Economic Growth in Developed Countries. <i>International Business and Accounting Research Journal</i> , 2017, 1, 71.	0.2	28
3306	A Transient Two-dimensional CFD Evaluation of Indoor Thermal Comfort with an Intermittently-operated Radiant Floor Heating System in an Office Building. <i>International Journal of Architectural Engineering Technology</i> , 0, 7, 62-87.	0.1	6
3307	Simulations of the changes of the heating energy demand and transmission losses of buildings in central European climate: Combination of experiments and simulations. <i>International Review of Applied Sciences and Engineering</i> , 2015, 6, 129-139.	0.3	4
3308	PERFORMANCE EVALUATION OF AN INCORPORATION OF A COMPACT LIQUID DESICCANT SYSTEM INTO AN EVAPORATIVE COOLING-ASSISTED 100% OUTDOOR AIR SYSTEM. <i>International Journal of Research in Engineering and Technology</i> , 2015, 04, 376-382.	0.1	1
3309	Energy Efficient Building Design in Nigeria: An Assessment of the Effect of the Sun on Energy Consumption in Residential Buildings. <i>Journal of Engineering and Architecture</i> , 2019, 7, .	0.2	11
3310	Análise energética de sistemas solares térmicos para diferentes demandas de água em uma residência unifamiliar. <i>Ambiente Construído</i> , 2012, 12, 75-87.	0.2	11
3311	Use of a card game tool to capture end users' preferences and add sustainability value to social housing projects. <i>Ambiente Construído</i> , 2020, 20, 7-20.	0.2	2
3312	Analysis of Influencing Factors of Building and Urban Planning on Building Energy Consumption Considering Income Gap : Focused on electricity consumption on August in Seoul. <i>Journal of Korea Planning Association</i> , 2017, 52, 253-267.	0.2	6
3313	Energy Simulation of Buildings with a Modular Object-Oriented Tool. , 2011, , .		4
3314	Smart Control Strategy for PV and Heat Pump System Utilizing Thermal and Electrical Storage and Forecast Services. , 2017, , .		4
3315	A TECHNO-ECONOMIC FEASIBILITY STUDY FOR REDUCING THE ENERGY CONSUMPTION IN A BUILDING: A SOLAR ENERGY CASE STUDY FOR BANDAR ABBAS. <i>Journal of Thermal Engineering</i> , 0, , 633-650.	0.8	3

#	ARTICLE	IF	CITATIONS
3316	Earth to Air Heat Exchanger and Its Applications in Arid Regions - An Updated Review. <i>Tecnica Italiana</i> , 2020, 64, 83-90.	0.2	16
3317	Prediction of Hourly Cooling Energy Consumption of Educational Buildings Using Artificial Neural Network. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , 2019, 9, 159-166.	0.2	9
3318	Uma ferramenta BIM para simulaçŁo de eficiŁncia energŁtica nas fases iniciais de projeto. <i>PARC: Pesquisa Em Arquitetura E ConstruçŁo</i> , 0, 11, e020003.	0.3	1
3319	Analysis of Energy Consumption Patterns and Climate Effects Using Panel Data. <i>International Journal of Automation Technology</i> , 2014, 8, 626-633.	0.5	2
3320	Consumo domŁstico de electricidad y forma urbana en la regiŁn metropolitana de Barcelona. <i>Boletin De La Asociacion De Geografos Espanoles</i> , 2018, , 329.	0.2	1
3321	A Case Study on the Impact of Building Envelope on Energy Efficiency in High-Rise Residential Buildings. <i>Architecture Civil Engineering Environment</i> , 2020, 13, 5-18.	0.6	10
3322	The Operating Expense Puzzle of US Green Office Buildings. <i>SSRN Electronic Journal</i> , 0, , .	0.4	6
3323	Residential Energy Use and the City-Suburb Dichotomy. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
3324	A Feasibility Analysis of Photovoltaic Solar Power for Small Communities in Ireland. <i>The Open Renewable Energy Journal</i> , 2011, 4, 78-92.	0.7	6
3326	Modelling and Optimization of Direct Expansion Air Conditioning System for Commercial Building Energy Saving. , 2011, , .		8
3327	Predicting Energy Usage Using Historical Data and Linear Models. , 2014, , .		3
3328	Towards Measuring the Impact of Personal Control on Energy Use through the Use of Immersive Virtual Environments. , 2014, , .		5
3329	The impact of clerestory lights on energy efficiency of buildings. <i>Thermal Science</i> , 2015, 19, 893-904.	0.5	2
3330	Energy indicators for public buildings in autonomous province of Vojvodina with focus on healthcare, educational and administrative buildings. <i>Thermal Science</i> , 2016, 20, 331-342.	0.5	7
3331	Parametric investigation of a counter-flow heat and mass exchanger based on Maisotsenko cycle. <i>Thermal Science</i> , 2018, 22, 3099-3106.	0.5	5
3332	Sensitivity analysis for daily building operation from the energy and thermal comfort standpoint. <i>Thermal Science</i> , 2016, 20, 1485-1500.	0.5	10
3333	Development and preliminary evaluation of PCM thermal energy storage for air cooling in buildings. <i>International Journal of Energy Production and Management</i> , 2017, 2, 153-164.	1.9	1
3334	Characterization of environmental and energy performance of an average social dwelling in a tropical region of Colombia. , 2016, , .		2



#	ARTICLE	IF	CITATIONS
3335	Urban transport: analysis of commute energy use. WIT Transactions on the Built Environment, 2015, , 855-865.	0.0	3
3336	ANALYSIS OF ANNUAL ENERGY REQUIREMENT OF A RESIDENTIAL HOUSE WITH TS825 AND ASHRAE HEAT BALANCE METHODS. Turkish Journal of Engineering, 2017, 1, 5-10.	0.7	1
3337	Behavior of a graphene/epoxy composite used as thermal interface material for LED heat dissipation. Materialpruefung/Materials Testing, 2017, 59, 1037-1042.	0.8	4
3339	Methodology for Obtaining Linear State Space Building Energy Simulation Models. , 2015, , .		15
3340	Geographically Parameterized Residential Sector Energy and Service Profile. Frontiers in Energy Research, 2019, 7, .	1.2	5
3341	On the Kinematics and Actuation of Dynamic Sunscreens With Tensegrity Architecture. Frontiers in Materials, 2019, 6, .	1.2	13
3342	Assessing Cement Stabilized Rammed Earth Durability in A Humid Continental Climate. Buildings, 2020, 10, 26.	1.4	16
3343	Impact of Heating Control Strategy and Occupant Behavior on the Energy Consumption in a Building with Natural Ventilation in Poland. Energies, 2019, 12, 4304.	1.6	7
3344	Measurements of Energy Consumption and Environment Quality of High-Speed Railway Stations in China. Energies, 2020, 13, 168.	1.6	8
3345	Improving Energy Efficiency of Thermal Processes in Healthcare Institutions: A Review on the Latest Sustainable Energy Management Strategies. Energies, 2020, 13, 569.	1.6	13
3346	Multivariate Features Extraction and Effective Decision Making Using Machine Learning Approaches. Energies, 2020, 13, 609.	1.6	14
3347	Dynamic Energy Performance Gap Analysis of a University Building: Case Studies at UAE University Campus, UAE. Sustainability, 2021, 13, 120.	1.6	7
3349	Research on building energy consumption monitoring system model and routing strategy for multi-sink node. Journal of Electronic Measurement and Instrument, 2013, 26, 491-497.	0.1	1
3350	A Study of the Cooling Effect of an Evaporation-Type Cool Roof Fan. Transactions of the Korean Society of Mechanical Engineers, B, 2016, 40, 191-200.	0.0	3
3351	BIM-BASED SPACE MANAGEMENT SYSTEM FOR OPERATION AND MAINTENANCE PHASE IN EDUCATIONAL OFFICE BUILDING. Journal of Civil Engineering and Management, 2019, 26, 29-42.	1.9	5
3352	Particle Boards from Papyrus Fibers as Thermal Insulation. Journal of Applied Sciences, 2011, 11, 2640-2645.	0.1	29
3353	A Study on the Impact of Operational Behavior on Cooling Energy in Highly-Glazed Academic Buildings in a Tropical Country. Trends in Applied Sciences Research, 2011, 6, 1256-1269.	0.4	3
3354	Applying LIDAR datasets and GIS based model to evaluate solar potential over roofs: a review. AIMS Energy, 2015, 3, 326-343.	1.1	38

#	ARTICLE	IF	CITATIONS
3355	Certificación energética de edificios en España y sus implicaciones económicas. Informes De La Construcción, 2012, 64, 307-318.	0.1	14
3356	«Estudio Precost&e»: evaluación de los costes constructivos y consumos energéticos derivados de la certificación energética en un edificio de viviendas situado en Madrid. Informes De La Construcción, 2014, 66, e026.	0.1	10
3357	ECONOMIC IMPACT OF NEW GREEN BUILDING CODE ON RESIDENTIAL PROJECT DEVELOPMENT FROM ENERGY CONSUMPTION PERSPECTIVES. Journal of Green Building, 2014, 9, 105-123.	0.4	5
3358	INFLUENCING PARAMETERS OF THE LIFE CYCLE COST-ENERGY RELATIONSHIP OF BUILDINGS. Journal of Green Building, 2018, 13, 103-121.	0.4	13
3359	OPTIMIZING WINDOW TO WALL RATIO FOR CONSERVING ENERGY IN OFFICE BUILDINGS FOR COOLING DOMINANT CLIMATES WITH AND WITHOUT DAYLIGHT UTILIZATION. Journal of Green Building, 2019, 14, 129-142.	0.4	3
3360	RESIDENTIAL SOLAR ENERGY POTENTIAL FOR PUBLIC DISSEMINATION: A CASE STUDY IN CONCEPCIÓN, CHILE. Journal of Green Building, 2016, 11, 118-133.	0.4	4
3361	Novelty Detection in Human Behavior through Analysis of Energy Utilization. , 2013, , 65-85.		1
3362	User-Based Load Visualization of Categorical Forecasted Smart Meter Data Using LSTM Network. International Journal of Multimedia Data Engineering and Management, 2020, 11, 30-50.	0.3	8
3363	Structural and Functional Characterization of a Soil Microbial Community which is Able to Convert Waste Cooking Oil to Fatty-acid-Derived Fuels. Journal of Bioremediation & Biodegradation, 2013, 04, .	0.5	1
3364	Structural observability analysis and EKF based parameter estimation of building heating models. Modeling, Identification and Control, 2016, 37, 171-180.	0.6	3
3365	Aerosol-assisted Production of NIR Shielding Nanoparticles: Sodium Tungsten Bronze. Aerosol and Air Quality Research, 2020, 20, 690-701.	0.9	6
3366	Indicators of Energy Efficiency in Buildings. Comparison with Standards in Force in Argentina. Open Journal of Energy Efficiency, 2013, 02, 163-170.	0.6	1
3367	Hot-film and calorimetric thermal air flow sensors realized with printed board technology. Journal of Sensors and Sensor Systems, 2016, 5, 283-291.	0.6	8
3368	Energy Book for Buildings - Occupants Incorporation in Energy Efficiency of Buildings. , 2015, , .		3
3369	Experimental Studies of a Pulse Pressurisation Technique for Measuring Building Airtightness. Future Cities and Environment, 2019, 5, .	0.6	9
3371	Efficient Residential Buildings in Hot and Humid Regions: The Case of Abu Dhabi, UAE. International Journal of Thermal and Environmental Engineering, 2018, 17, 29-40.	1.3	5
3373	District Energy Use Patterns and Potential Savings in the Built Environment: Case Study of Two Districts in Seoul, South Korea. Asian Journal of Atmospheric Environment, 2014, 8, 48-58.	0.4	3
3374	Numerical Analysis on the Coupled Operation of Ventilation Window System and Central Cooling System. Journal of Korean Society for Atmospheric Environment, 2015, 31, 385-395.	0.2	3

#	ARTICLE	IF	CITATIONS
3375	Numerical Study of an Ejector as an Expansion Device in Split-type Air Conditioners for Energy Savings. Journal of Engineering and Technological Sciences, 2013, 45, 179-192.	0.3	10
3376	Fully Fresh Air Air-conditioning System Equipped with Double Heat Pipe Based Heat Recovery Technology. International Journal of Engineering, Transactions B: Applications, 2013, 26, .	0.6	3
3378	Environmental impacts and potential of the sharing economy. TemaNord, 2017, , .	1.3	10
3379	Development of an HVAC&R Systems Energy Evaluation Methodology and Simulation Program for Office Buildings. Korean Journal of Air-Conditioning and Refrigeration Engineering, 2013, 25, 363-370.	0.1	4
3380	STRATEGIC ORIENTATION TO SOLAR ENERGY PRODUCTION AND LONG TERM FINANCIAL BENEFITS. Archives for Technical Sciences, 2017, 2, 1-12.	0.1	4
3382	Prediction of Space Heating Energy Consumption in Cabins Based on Multivariate Regression Modelling. International Journal of Modeling and Optimization, 2015, 5, 385-392.	0.4	6
3383	Analytical Study of a Heat Recovery/Desiccant Cooling System under Tunisian Climatic Conditions. Journal of Clean Energy Technologies, 2015, 3, 159-164.	0.1	6
3384	Experimental Investigation of Building Thermal Insulation from Agricultural By-products. British Journal of Applied Science & Technology, 2012, 2, 227-239.	0.2	51
3385	Applications of Koopman Mode Decomposition to Modeling of Heat Transfer Dynamics in Building Atriums-I. Transactions of the Society of Instrument and Control Engineers, 2017, 53, 123-133.	0.1	4
3386	Strategic Approach in Hiring, Developing and Retaining Employees in Manufacturing Organizations - An Overview of HR Function from the Business Perspective. Bonfring International Journal of Industrial Engineering and Management Science, 2013, 3, 13-19.	0.0	2
3387	Field Study on Thermal Comfort and Adaptive Behaviors of University Students in the Cold Climate Zone. Strategies for Sustainability, 2021, , 111-131.	0.2	0
3388	Factors influencing the life-cycle GHG emissions of Brazilian office buildings. Buildings and Cities, 2021, 2, 856-873.	1.1	0
3389	Interoperable and Intelligent Architecture for Smart Buildings. , 2021, , .		2
3390	OpenCity: An Open Architecture Testbed for Smart Cities. , 2021, , .		13
3391	A Mobile Application for a Smart Home Ecosystem. , 2021, , .		0
3392	Estimating Multi-point Indoor Temperature from Different Season Data based on Correlation-based Two-Step Learning. , 2021, , .		0
3393	Prediction of Unsteady Indoor-Temperature with Few Pattern Data Learning and Prediction Model Selection Based on Feature Contribution. , 2021, , .		0
3394	HASTANELER Ā°ĀĤ°N DĀ°ĀZER BĀ°NALARA GĀ—RE FARKLI ENERJĀ° VERĀ°MLĀ°LĀ°ĀžĀ° UYGULAMALARI. MĀ¼4hendis Ve Makina, 0,		

#	ARTICLE	IF	CITATIONS
3395	Shape-morphing materials and structures for energy-efficient building envelopes. <i>Materials Today Energy</i> , 2021, 22, 100874.	2.5	19
3396	Impact of rooftop photovoltaic on energy demand of a building in a hot semi-arid climate. <i>Journal of Renewable and Sustainable Energy</i> , 2021, 13, .	0.8	5
3397	Fault detection and diagnosis for variable-air-volume systems using combined residual, qualitative and quantitative techniques. <i>Energy and Buildings</i> , 2022, 254, 111491.	3.1	5
3398	Preparation of Passive Daytime Cooling Fabric with the Synergistic Effect of Radiative Cooling and Evaporative Cooling. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	49
3399	Lifecycle cost analysis of an insulated duct with an air gap. <i>Environmental Science and Pollution Research</i> , 2022, 29, 16503-16516.	2.7	4
3400	Comparing multi-step ahead building cooling load prediction using shallow machine learning and deep learning models. <i>Sustainable Energy, Grids and Networks</i> , 2021, 28, 100543.	2.3	17
3401	A Review of Lightweight Composite Development Using Paper Waste and Pulverized Ceramics - Towards a Sustainable and Eco-Friendly Construction. <i>International Journal of Engineering Research in Africa</i> , 0, 56, 77-94.	0.7	3
3402	Design and analysis of compound structures integrated with bio-based phase change materials and lattices obtained through additive manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 119, 149.	1.5	10
3403	Energy performance of air-conditioned buildings based on short-term weather forecast. <i>Science and Technology for the Built Environment</i> , 0, , 1-18.	0.8	1
3404	An Integer Non-Cooperative Game Approach for the Transactive Control of Thermal Appliances in Energy Communities. <i>Energies</i> , 2021, 14, 6971.	1.6	2
3405	Thermal Resistance of Insulated Precast Concrete Sandwich Panels. <i>International Journal of Concrete Structures and Materials</i> , 2021, 15, .	1.4	4
3406	Influence of Cold Water Inlets and Obstacles on the Energy Efficiency of the Hot Water Production Process in a Hot Water Storage Tank. <i>Energies</i> , 2021, 14, 6509.	1.6	4
3407	Budget-constrained economic model predictive control: A user-friendly proposal for HVAC. <i>Chemical Engineering Research and Design</i> , 2021, 176, 229-242.	2.7	1
3408	Evaluation of optical performance due to coating Au, Ag, Pr and Yb nano-layer on a commercial WO <sub>3</sub> -based switchable window: A simulation approach. <i>Solar Energy</i> , 2021, 228, 678-688.	2.9	0
3409	Simulation-based techno-economic feasibility study on sector coupled net-zero/positive energy metro railway system in Hong Kong. <i>Energy Conversion and Management</i> , 2021, 248, 114786.	4.4	16
3410	Window+: Electrostatic levitation enabled Polymer-Air multilayer (EPAM) structures for highly transparent energy efficient windows. <i>Energy Conversion and Management</i> , 2021, 248, 114803.	4.4	1
3411	Natural gas consumption behavior of companies by clustering analysis. <i>Engineering Applications of Artificial Intelligence</i> , 2021, 106, 104502.	4.3	2
3412	MgF <sub>2</sub> as abundant and environmentally friendly electrolytes for high performance electrochromic devices. <i>Journal of Materiomics</i> , 2021, 7, 1318-1323.	2.8	9

#	ARTICLE	IF	CITATIONS
3413	Benchmarking urban local weather with long-term monitoring compared with weather datasets from climate station and EnergyPlus weather (EPW) data. Energy Reports, 2021, 7, 6501-6514.	2.5	16
3414	Enhancing spectral response towards high-performance dye-sensitised solar cells by multiple dye approach: A comprehensive review. Applied Materials Today, 2021, 25, 101204.	2.3	11
3415	Effects of uncertainties on the capacity and operation of an integrated energy system. Sustainable Energy Technologies and Assessments, 2021, 48, 101625.	1.7	9
3416	Unconventional smart windows: Materials, structures and designs. Nano Energy, 2021, 90, 106613.	8.2	71
3417	Numerical investigation of the working mechanisms of solar chimney coupled with earth-to-air heat exchanger (SCEAHE). Solar Energy, 2021, 230, 109-121.	2.9	12
3418	The effect of external airflows on ventilation with a rooftop windcatcher. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 219, 104799.	1.7	6
3419	Comparison between artificial neural network and random forest for effective disaggregation of building cooling load. Case Studies in Thermal Engineering, 2021, 28, 101589.	2.8	11
3420	MONITORING AND MODELING BUILDING ENERGY EXPENDITURE WITH SENSOR NETWORKS. , 2011, , .		0
3421	Development of a Multi-Functional Ventilated Façade with an Integrated Collector-Storage: Numerical Model and Experimental Facility. , 2011, , .		0
3423	Toward a Zero Energy Home: Applying Swiss Building Practices/Attitudes to U.S. Residential Construction. The Journal of Technology Studies, 2011, 37, .	0.7	0
3424	Effect of the Moments of Probability Density Function for Non-uniform Air Flow Distribution on the Hydraulic Performance of a Fin-tube Heat Exchanger. Journal of Applied Sciences, 2011, 11, 1952-1958.	0.1	1
3425	Fault Detection and Diagnosis (FDD) Using Nonlinear Regression Models for Heat Exchanger Faults in Heat Pump System. Transactions of the Korean Society of Mechanical Engineers, B, 2011, 35, 1111-1117.	0.0	0
3426	Research for IT Driven Energy Efficiency Based on a Multidimensional Comfort Control*. Lecture Notes in Computer Science, 2012, , 18-32.	1.0	1
3427	Bat-MP: An Ontology-Based Energy Management Platform. Lecture Notes in Computer Science, 2012, , 9-16.	1.0	1
3428	Energy Consumption Monitoring Analysis for Residential, Educational and Public Buildings. Smart Grid and Renewable Energy, 2012, 03, 231-238.	0.7	9
3430	Facilities Management Carbon Footprints: An Audit of Critical Elements of Management and Reporting. Journal of Civil Engineering and Architecture, 2012, 6, .	0.0	0
3431	Design procedures for an average Saudi villa using integrated green building techniques. WIT Transactions on Ecology and the Environment, 2012, , .	0.0	1
3432	Supply Mix Optimization for Decentralized Energy Systems. Open Journal of Applied Sciences, 2013, 03, 5-11.	0.2	1

#	ARTICLE	IF	CITATIONS
3433	A Library of Energy Efficiency Functions for Home Appliances. Smart Innovation, Systems and Technologies, 2013, , 435-444.	0.5	0
3434	Towards a Self-managing Tool for Optimizing Energy Usage in Buildings. Smart Innovation, Systems and Technologies, 2013, , 425-434.	0.5	1
3435	A Network of Sensor and Actuator Agents for Building Automation Systems. Atlantis Ambient and Pervasive Intelligence, 2013, , 121-132.	0.2	1
3436	A Case Study on HVAC&R Energy Efficiency in Office Buildings. Transactions of the Korea Society of Geothermal Energy Engineers, 2013, 9, 8-14.	0.2	0
3438	Significance of sub-criteria in measuring sustainable performance of building envelope development. International Journal of Sustainable Development and Planning, 2013, 8, 464-484.	0.3	1
3439	Combined Photovoltaic Solar Cell&Fuel Cell System: Powering a Dormitory Building. , 2014, , 339-353.		0
3440	Evaluation of Sustainable Energy Options for Non-residential Buildings. , 2014, , 11-34.		1
3443	Cost Analysis Study : Development of HVAC&R System Cost Estimation and Prediction Methodology for Office Buildings. Korean Journal of Air-Conditioning and Refrigeration Engineering, 2014, 26, 115-121.	0.1	1
3444	THE WIND AND THE CITY: EVALUATING THE LIMITS TO APPLY NATURAL VENTILATION FOR THERMAL COMFORT IN DENSE URBAN SETTLEMENTS USING A COMPUTATIONAL FLUID DYNAMICS TOOL.. , 0, , .		0
3445	Reducing energy consumption in public buildings through user awareness. , 2014, , 637-642.		2
3447	Creating Sustainable Homes and Environmental Minds at Staffordshire University&GreenPad: A Student&TM's Green Fund Project. World Sustainability Series, 2015, , 365-376.	0.3	0
3448	A Preliminary Study on the Drawing of Proper Distance between the Window and Internal Light-Shelf for Improving the Lighting Performance. , 2014, , .		0
3449	Sistemas de Automa&S&#x2264;o Residencial Construindo H&#x2264;bitos Sustent&#x2264;veis nos Moradores. , 0, , .		0
3450	The comparison of energy performance of buildings with selected heating control systems. Journal of Civil Engineering, Environment and Architecture, 2014, XXXI, 73-81.	0.0	0
3451	Energy Saving and Emission Analysis via Lighting Retrofitting in a Large-Scale Hospital: Case Study in Malaysia. , 2015, , 415-421.		0
3452	Modeling of the working cycle of the pressure-powered pump. Thermal Science, 2015, 19, 1051-1058.	0.5	0
3453	Layout Synthesis for Symmetrical Facades. IFIP Advances in Information and Communication Technology, 2015, , 293-306.	0.5	0
3454	Constitutive Explanations as a Methodological Framework for Integrating Thermodynamics and Economics. SSRN Electronic Journal, 0, , .	0.4	1

#	ARTICLE	IF	CITATIONS
3455	Analiza wpływu wybranych nośników energii na koszty ogrzewania obiektu agroturystycznego oraz emisji szkodliwych substancji do atmosfery. Europa Regionum, 2015, 24, 299-310.	0.0	0
3456	EVALUATION OF CaCl <sub>2</sub> -SILICA GEL SORBENT FOR WATER SORPTION COOLING SYSTEMS. Heat Pipe Science and Technology an International Journal, 2015, 6, 229-239.	0.2	0
3457	ASSESSING DISCREPANCIES IN CURRENT PRACTICES FOR SELECTING HEATING, VENTILATING AND AIRCONDITIONING SYSTEMS IN BUILDINGS. JES Journal of Engineering Sciences, 2015, 43, 140-155.	0.0	0
3458	Future Human-Centric Smart Environments. Modeling and Optimization in Science and Technologies, 2015, , 341-365.	0.7	6
3459	Characterization of the Effects of Insulating Wall Paint on Space Conditioning in a Room. Journal of Thermal Engineering, 2015, 1, 322.	0.8	3
3460	B7.2 - Development of Flow Sensors Realized with Printed Circuit Board Technology for Air Conditioning Systems. , 2015, , .		1
3461	Analysis and Evaluation of Holistic Energy Saving for Modern Buildings. International Journal of Smart Home, 2015, 9, 219-230.	0.6	0
3462	Interaction Analysis between Cooling-to-Heating Load Ratio and Primary Energy Consumption of HVAC&R System for Building Energy Conservation. Korean Journal of Air-Conditioning and Refrigeration Engineering, 2015, 27, 113-122.	0.1	1
3463	Real-Time Building Energy and Comfort Parameter Data Collection Using Mobile Indoor Robots. , 2015, , .		3
3464	Wybrane przykłady zastosowania materiału PCM w budownictwie. Journal of Civil Engineering, Environment and Architecture, 2015, XXXII, 29-38.	0.0	0
3465	Improving Energy Efficiency of a Refrigeration System with a Rankine Cycle and an Expander. , 0, , .		0
3466	Energy study of a non-residential and historic building in transient conditions. , 2015, , .		0
3467	Shifting the Focus of Green Building Rating Systems: A Structural Engineering Assessment of Existing Systems Including Building Life Cycle Considerations. , 2015, , .		0
3468	Application of latent-heat-storage building envelope systems for increasing energy efficiency in the building sector. , 2015, , .		0
3469	Determination of Optimum Threshold for Accuracy of People-counting System Based on Motion Detection. Korean Journal of Environmental Health Sciences, 2015, 41, 299-304.	0.1	0
3470	Schools: Trends and Perspectives. , 2016, , 251-268.		0
3471	Virtual test bench as a complement to study thermal area application in vapor compression systems. Revista Facultad De Ingenieria, 2015, , .	0.5	1
3473	Prediction of Temperature in Buildings using Machine Learning Techniques. Advances in Computer and Electrical Engineering Book Series, 2016, , 314-333.	0.2	0

#	ARTICLE	IF	CITATIONS
3474	The use of algorithms for light control. , 2016, , 375-395.		0
3475	Energy Performance Indices for Hospital Buildings in Nigeria. International Journal of Technology, 2016, 7, 15.	0.4	3
3476	Creation of Zero CO <sub>2</sub> Emissions School Buildings Due to Energy Use in Crete-Greece. Open Journal of Energy Efficiency, 2016, 05, 12-18.	0.6	1
3477	Energy Audits in a Private Firm Environment – Energy Efficiency Consultantss Cost Calculation for Innovative Technologies in the Housing Sector. SSRN Electronic Journal, 0, , .	0.4	0
3478	Evaluating Natural Ventilation in Future Climate Scenarios as Part of a Long-Term Non-domestic Retrofit Strategy for an Educational Facility. , 2016, , 207-221.		0
3479	A Data Analysis Approach for Diagnosing Malfunctioning in Domestic Space Heating. , 2016, , .		2
3480	Global and Local Clustering-Based Regression Models to Forecast Power Consumption in Buildings. Advances in Computer and Electrical Engineering Book Series, 2016, , 207-234.	0.2	0
3481	A measure to manage approach to characterizing the energy impact of residential building stocks. AIMS Energy, 2016, 4, 574-588.	1.1	0
3482	Building Life-Cycle Commissioning and Optimisation: Approach and Practice. SpringerBriefs in Environment, Security, Development and Peace, 2016, , 101-129.	0.1	0
3484	High Quality of Calibration Accuracy for Smart Building Energy-Efficiency Opportunities. , 2017, , 465-477.		0
3485	Design of a Fuzzy Logic Based Framework for Comprehensive Anomaly Detection in Real-World Energy Consumption Data. Communications in Computer and Information Science, 2017, , 121-136.	0.4	0
3486	Self-Adjusting Concrete. , 2017, , 157-176.		2
3487	Two-Stage Optimization for Building Energy Management. Smart Innovation, Systems and Technologies, 2017, , 225-243.	0.5	2
3488	Multiscale Simulation Modeling Concept for Battery Production Systems. Sustainable Production, Life Cycle Engineering and Management, 2017, , 59-129.	0.2	1
3489	Smart Building Energy Systems. , 2017, , 1-29.		1
3490	Study on Envelope in Office Buildings Under the Influence of Climate Change in Santiago, Chile. , 2017, , 393-401.		0
3491	Optimal Control for Multi-mode Systems with Discrete Costs. Lecture Notes in Computer Science, 2017, , 77-96.	1.0	1
3492	Implementation of 4D/BIM in the Iraqi construction industry. International Journal of Engineering Systems Modelling and Simulation, 2017, 9, 227.	0.2	1



#	ARTICLE	IF	CITATIONS
3493	Economics of the Anthropocene: An Exploratory Essay. SSRN Electronic Journal, 0, , .	0.4	0
3494	Low Carbon Cooling Approach for the Residences in the UAE: A Case Study in Dubai. , 0, , .		1
3495	Development and Validation of a Heat Pump System Model Using Artificial Neural Network. Advances in Science, Technology and Engineering Systems, 2017, 2, 182-185.	0.4	0
3496	Environmental pollution from waste and biomass energy generation. International Journal of Energy Production and Management, 2017, 2, 133-139.	1.9	0
3497	A Platform for Automated Technical Building Management Services Using Ontology. , 0, , .		1
3498	Indoor air quality and mechanical ventilation for technology buildings. Pollack Periodica, 2017, 12, 141-150.	0.2	2
3499	Perceptions of earth in the age of global architecture. , 2017, , 569-574.		1
3500	Modeling of Aerogel Blanket Insulation Applications in Exterior Wall Constructions. , 2017, , 186-197.		0
3502	Natural Ventilation. , 2018, , 1-45.		1
3503	Economic Analysis for Sustainable Renovation. Eurasia Journal of Mathematics, Science and Technology Education, 2017, 13, .	0.7	1
3504	Reducing Cooling Loads in Hot-Humid Climates: A Best Practice Research Building in China. , 2018, , 23-36.		1
3505	Analysis on the Influencing Factors of Building Energy Consumptionâ€”A Southwest China Case Study. , 2018, , 259-272.		0
3506	Positioning Temperature Sensors in Confined Spaces Subject to Various Exogenous Impacts. Architecture Civil Engineering Environment, 2018, 11, 5-14.	0.6	0
3507	Improving the efficiency of using heat in preschool buildings: Case study of 'Ciciban' kindergarten. Tehnika, 2018, 73, 381-388.	0.0	0
3508	Measurements and simulation of CO2 concentration in a bedroom of a passive house. Czasopismo Techniczne, 0, 9, .	0.2	1
3509	Hygrothermal study of dwelling submitted to passive cooling. Thermal Science, 2018, 22, 2597-2604.	0.5	0
3511	Smart Building Energy Systems. , 2018, , 1485-1512.		1
3512	Analysis of Traditional Housing Architecture in the Context of Sustainability: A Case Study of AyvalÄ±k and Oxford Houses. Mehmet Akif Ersoy Äœniversitesi Fen Bilimleri EnstitÄ¼sÄ¼ Dergisi, 2018, 9, 83-90.	0.4	6

#	ARTICLE	IF	CITATIONS
3513	Esquemas urbano-forestales en una «ciudad oasis» de zona Árida: Mendoza (Argentina). Influencia sobre el consumo energético residencial. Informes De La Construcción, 2018, 70, 239.	0.1	1
3514	Thermal analysis of smart building. Przegląd Elektrotechniczny, 2018, 1, 41-44.	0.1	0
3515	Automatic Detection of Device Types by Consumption Curve. Smart Innovation, Systems and Technologies, 2019, , 164-174.	0.5	1
3516	Angle-selective reflection surface for energy efficiency. , 2018, , .		0
3517	Numerical Investigation Of Heat Transfer in a Multi-Layer Wall Used in Brazilian Buildings. , 0, , .		0
3518	Development of Clay Plasters Containing Thermoregulating Microcapsules for Indoor Walls. , 0, , .		0
3519	Potential reduction in energy consumption in consolidated built environments. An analysis based on climate, urban planning and users. Vitruvio, 2018, 3, 46.	0.2	0
3520	A study on energy consumption of hotel buildings in Vietnam. Journal of Science and Technology in Civil Engineering (STCE) - NUCE, 2018, 12, 109-116.	0.2	1
3521	Feasibility Studies for Developing Energy Efficient Building in the Juet Campus Using Solar and Biomass Energy. Current World Environment Journal, 2018, 13, 424-433.	0.2	0
3522	Connecting to Smart Cities: Analyzing Energy Times Series to Visualize Monthly Electricity Peak Load in Residential Buildings. Advances in Intelligent Systems and Computing, 2019, , 333-342.	0.5	3
3523	Building Energy Simulation and the Design of Sustainable and Resilient Buildings. , 2019, , 241-271.		0
3524	Envolvente arquitectónica: un espacio para la sostenibilidad. Ergodesign, 2018, 1, 49-61.	0.2	2
3525	Thermal Analysis of an Educational Building with Different Construction Materials. Journal of Art Architecture and Built Environment, 2018, 01, 75-86.	0.0	0
3526	Zmniejszenie zużycia energii do ogrzewania budynków w procesie ograniczania zanieczyszczenia powietrza. Czł. I. Ciepłownictwo Ogrzewnictwo Wentylacja, 2018, 1, 25-30, 35.	0.0	0
3527	Application of the Innovated Building Structure of Double Layers of Glass Curtain Wall to Energy Conservation in Penang. Advances in Civil Engineering Materials, 2018, 7, 20170069.	0.2	0
3528	A Stochastic Decision Model for the Collaborative Building Cluster Considering the Benefit Requirements of Buildings. Management Science and Engineering, 2019, 08, 264-274.	0.1	0
3529	Global and Local Clustering-Based Regression Models to Forecast Power Consumption in Buildings. , 2019, , 506-536.		0
3530	Models for control of thermal energy in buildings. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
3531	A Critical Overview of Net Zero Energy Buildings and Fuzzy Cognitive Maps. , 2019, , 537-559.		0
3532	Indoor Technologies and Quality of Indoor Environment. , 0, , .		0
3533	Modelica-Based Dynamic Modeling of a Solar-Powered Ground Source Heat Pump System: A Preliminary Case Study. , 2019, , .		0
3534	Use of infrared imaging for structure from motion assessment of heat loss in buildings. , 2019, , .		1
3535	Piezoelectric pressure harvester for autonomous sensors. , 2019, , .		1
3536	Comparison of Battery Technologies for DC Microgrids with Integrated PV. , 2019, , .		2
3537	Analysis and Modeling of Energy Demand System in Iran's Buildings and the Industry. Journal of Applied Engineering Sciences, 2019, 9, 53-62.	0.2	1
3538	OPTIMUM STREET LAYOUT OR CONFIGURATION FOR MINIMIZING ENERGY DEMAND IN BERLIN. , 2019, 4, 417-424.		0
3539	Evaluation of Energy Properties of Lesser Known Native Species; NATAWA ( <i>Xylopiya parviflora</i> ). Journal of Environmental Professionals Sri Lanka, 2019, 8, 52.	0.2	1
3540	Abu Dhabi Schools: Optimization of Building Form for Energy Efficiency. Innovative Renewable Energy, 2020, , 623-631.	0.2	0
3541	A REVIEW ON SUB-COOLING IN VAPOR COMPRESSION REFRIGERATION CYCLE FOR ENERGY SAVING. Jurnal Teknologi (Sciences and Engineering), 2019, 81, .	0.3	1
3542	I fattori urbanistici nella certificazione dell'edilizia sostenibile. Territorio, 2019, , 141-148.	0.1	0
3543	Community Morphology and Energy Consumption. , 2020, , 189-272.		0
3544	ENERGY AND SUSTAINABLE PERFORMANCE OF A MULTIFUNCTIONAL FAÇADE. WIT Transactions on Ecology and the Environment, 2019, , .	0.0	3
3545	Angularly selective microstructured surface for tuning seasonal sunlight interaction. Optics Express, 2019, 27, 36426.	1.7	2
3546	Toward Halogen-Free Flame Retardants for Polystyrene Thermal Insulation Boards. Green Energy and Technology, 2020, , 665-694.	0.4	0
3547	A Parametric Study Of Window, Orientation And Shading to Minimize Energy Consumption in Mechanically Ventilated High Rise Office Buildings in Dhaka, Bangladesh. Asia Pacific Journal of Energy and Environment, 2019, 6, 103-114.	0.3	0
3548	Energy Demand Prediction of the Building Sector Based on Induced Kernel Method and MESSAGEix Model. Chinese Journal of Urban and Environmental Studies, 2019, 07, 1950016.	0.5	0

#	ARTICLE	IF	CITATIONS
3549	Elektrik Motorların Verimlilik ve CO2 Emisyon Analizi; Bir Gıda Fabrikasında Üretilen. European Journal of Science and Technology, 0, , 564-569.	0.5	3
3550	Large Neighborhood Search for Temperature Control with Demand Response. Lecture Notes in Computer Science, 2020, , 603-619.	1.0	1
3551	Adaptation of TIMES Model Structure to Industrial, Commercial and Residential Sectors. Environmental and Climate Technologies, 2020, 24, 392-405.	0.5	3
3553	Performance Comparison of Enthalpy Recovery Devices Using Liquid Desiccant and Desiccant Wheel. Journal of Thermal Science and Engineering Applications, 2020, 12, .	0.8	0
3554	Understanding the Effects of Capturing Climate and Occupancy Trends During Concept-Stage Sustainable Building Design. Journal of Solar Energy Engineering, Transactions of the ASME, 2020, 142, .	1.1	0
3555	AN INTENSIVE METHODOLOGY FOR DESIGNING NEAR ZERO ENERGY PUBLIC BUILDINGS IN EGYPT, OFFICE BUILDING AS A CASE STUDY. JES Journal of Engineering Sciences, 2020, 48, 447-467.	0.0	0
3556	Enantiomorphic double-polymerized chiral polymer composite template for highly efficient energy-saving green window. Polymer, 2020, 200, 122586.	1.8	1
3557	Yeşil Binalar için Analitik Ayrıştırma (AAS) Kullanılarak Yapılan Seviye. Döner Mühendislik Dergisi, 0,2.	0	0
3558	MELODY. , 2020, , .		6
3560	Distributed Day-ahead Peer-to-Peer Trade for Multimicrogrid Integration of Smart Buildings in Active Distribution Networks. , 2020, , .		1
3561	Non-intrusive Load Monitoring Using Water Consumption Patterns. , 2020, , .		1
3562	A Real-Time Approach to Evaluate Occupants' Thermal Comfort in the Indoor Environment. , 0, , .		0
3563	Development of an Adaptive HVAC Fuzzy Logic Controller for Commercial Facilities: A Case Study. Advances in Science, Technology and Engineering Systems, 2020, 5, 531-539.	0.4	2
3564	Konut Yapılarında Enerji Performansının Tahmininde Regresyon Analizi. Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 0, , .	0.1	1
3565	Non-dimensional analysis for heat pipe characteristics in the heat pipe heat exchanger as energy recovery device in the HVAC systems. Thermal Science and Engineering Progress, 2021, 26, 101122.	1.3	4
3566	Thermal Performance Optimization of Double and Triple Glazing Systems for Slovenian Climate Conditions. Sustainability, 2021, 13, 11857.	1.6	1
3567	The effects of a novel personal comfort system on thermal comfort, physiology and perceived indoor environmental quality, and its health implications - Stimulating human thermoregulation without compromising thermal comfort. Indoor Air, 2022, 32, .	2.0	20
3568	Stable Na-ion supercapacitor under non-ambient conditions using maricite-NaMnPO4 nanoparticles. Journal of Power Sources, 2021, 516, 230679.	4.0	13

#	ARTICLE	IF	CITATIONS
3569	Intelligent Systems for Functional Improvement of Buildings. International Journal of Environmental Science and Development, 2020, 11, 244-250.	0.2	4
3570	Indoor Temperature Characterization and its Implication on Power Consumption in a Campus Building. , 2020, , .		0
3571	IoT based energy efficient architecture for integrated Smart Grid. IOP Conference Series: Materials Science and Engineering, 0, 993, 012091.	0.3	4
3573	Phytoremediation as Adaptive Design Strategy to Improve Indoor Air Quality. Experimental Results Relating to the Application of a Vertical Hydroponic Biofilter. Smart Innovation, Systems and Technologies, 2021, , 479-489.	0.5	1
3574	HIGHLY EFFICIENT HEAT PUMP VENTILATION AND AIR CONDITIONING SYSTEM OF THE PRODUCTION AREA WITH VENTILATION AIR RECIRCULATION. POWER ENGINEERING Economics Technique Ecology, 2020, .	0.0	0
3575	The Applicability of Coanda Effect Hysteresis for Designing Unsteady Ventilation Systems. Energies, 2021, 14, 34.	1.6	6
3576	Review and experimental study on performance improvement of split air conditioner by reducing inlet air temperature to the ODU. Journal of Physics: Conference Series, 2020, 1706, 012211.	0.3	0
3577	Numerical Modelling of Air Driven High-Temperature Phase Change Material Energy Storage System. , 2020, , .		0
3578	Advances in the research of building energy saving. Energy and Buildings, 2022, 254, 111556.	3.1	37
3579	Data driven model for heat load prediction in buildings connected to District Heating by using smart heat meters. Energy, 2022, 239, 122318.	4.5	31
3580	Internal condensation heat transfer in a hydrophobic near-horizontal tube with high pressure and low mass flux. International Journal of Heat and Mass Transfer, 2022, 182, 122046.	2.5	4
3581	A solar-driven 5th generation district heating and cooling network with ground-source heat pumps: a thermo-economic analysis. Sustainable Cities and Society, 2022, 76, 103438.	5.1	41
3582	Facile fabrication of VO <sub>2</sub> /SiO <sub>2</sub> aerogel composite films with excellent thermochromic properties for smart windows. Applied Surface Science, 2022, 573, 151507.	3.1	31
3583	Numerical investigation of the heat and mass transfer process within a cross-flow indirect evaporative cooling system for hot and humid climates. Journal of Building Engineering, 2022, 45, 103499.	1.6	8
3584	Predictive Model of Energy Consumption of a Home. Advances in Intelligent Systems and Computing, 2020, , 531-540.	0.5	0
3585	Challenges in Implementing Solar Energy Conversion Systems in the Built Environment. Springer Proceedings in Energy, 2020, , 3-17.	0.2	0
3586	Renewable Energy Production in Decommissioned Power Plant Sites for Sustainable Citiesâ€™The Case Study of Romania. Springer Proceedings in Energy, 2020, , 267-282.	0.2	0
3587	Low Carbon Industries and the Built Environment. , 2020, , 207-216.		0

#	ARTICLE	IF	CITATIONS
3588	Day-ahead Scheduling of Thermal Storage Systems Using Bayesian Neural Networks. IFAC-PapersOnLine, 2020, 53, 13281-13286.	0.5	1
3589	Energy performance of the Serbian and Estonian family house with a selective absorption facade. IOP Conference Series: Materials Science and Engineering, 0, 659, 012047.	0.3	0
3590	Passive ventilative cooling in residential buildings: a review. IOP Conference Series: Materials Science and Engineering, 0, 609, 032037.	0.3	0
3591	ECONOMIC AND ENVIRONMENTAL IMPACTS OF THERMAL INSULATION USED IN DIFFERENT DUCT SIZES. Journal of Thermal Engineering, 0, , 141-156.	0.8	3
3592	The study of a seasonal solar CCHP system based on evacuated flat-plate collectors and organic Rankine cycle. Thermal Science, 2020, 24, 915-924.	0.5	4
3593	Sustainable Air-Conditioning. , 2020, , 201-218.		0
3594	Validation of an Analytical Calculation Computer Programming on a Flat Plate Thermal Solar Collector. Springer Proceedings in Energy, 2020, , 127-133.	0.2	0
3595	A Performance Comparison of Three Ventilation Modes in an Office with Internal Partitions. Environmental Science and Engineering, 2020, , 351-361.	0.1	1
3596	Software-Defined Networking for Smart Buildings: Advances and Challenges. EAI/Springer Innovations in Communication and Computing, 2020, , 31-42.	0.9	2
3597	Factors Contributing to Carbon Emission in Construction Activity. , 0, , .		3
3598	The Impact of the Government's Incentives on Increasing Investment in Turkey's Solar Photovoltaic Power Plants. Balkan Journal of Electrical and Computer Engineering, 0, , .	0.4	1
3599	IoT Based Climate Control Systems Diffusion in Intelligent Buildings - A System Dynamics Model. IFIP Advances in Information and Communication Technology, 2020, , 673-684.	0.5	1
3600	Multi-Building Systems Thermal and Energy Management via Geothermal Heat Pump. IFAC-PapersOnLine, 2020, 53, 17125-17131.	0.5	1
3601	Economic analysis on renovating lighting system on existing building: A case study in Thailand. International Journal of Smart Grid and Clean Energy, 2020, , 77-81.	0.4	1
3602	Day-Ahead Building Load Forecasting with a Small dataset. IFAC-PapersOnLine, 2020, 53, 13076-13081.	0.5	5
3603	Tube-based Internal Model Control and its Application to Temperature Control in Buildings. IFAC-PapersOnLine, 2020, 53, 17095-17100.	0.5	0
3604	Teardown Index. Impact of Meat Consumption on Health and Environmental Sustainability, 2020, , 64-101.	0.4	0
3605	Analysis of Data Generated by an Automated Platform for Aggregation of Distributed Energy Resources. Communications in Computer and Information Science, 2020, , 282-294.	0.4	2

#	ARTICLE	IF	CITATIONS
3606	A Study on the Parametric Evaluation of a Tubular Structured Electromagnetic Energy Harvester. , 2020, , .		0
3607	Energy-efficiency-oriented Gradient-based Economic Predictive Control of Multiple-Chiller Cooling Systems. IFAC-PapersOnLine, 2020, 53, 6656-6661.	0.5	0
3608	Experimental Study on PCM-Based External Wall Cladding for Energy Efficient Buildings. Lecture Notes in Mechanical Engineering, 2020, , 513-526.	0.3	0
3609	Evaluation of Vapor Jet Refrigeration Cycle Driven by Solar Thermal Energy for Air Conditioning Applications: Case Study. Advances in Science, Technology and Engineering Systems, 2020, 5, 646-652.	0.4	0
3610	Large-Scale Building Thermal Modeling Based on Artificial Neural Networks: Application to Smart Energy Management. , 2020, , 15-44.		0
3611	A Parametric Study Of Window, Orientation And Shading to Minimize Energy Consumption in Mechanically Ventilated High Rise Office Buildings in Dhaka, Bangladesh. Asia Pacific Journal of Energy and Environment, 2020, 7, 27-38.	0.3	0
3612	Fundamental Wireless Performance of a Building. IEEE Wireless Communications, 2022, 29, 186-193.	6.6	15
3613	Incorporation of Phase Change Materials in Lightweight Aggregate Concrete. WSEAS Transactions on Environment and Development, 2020, 16, 105-118.	0.3	0
3615	Design, Assembly and Testing of HVAC Electrical Panel. International Journal of Engineering Research & Technology, 2020, V9, .	0.2	0
3616	ANALYSIS OF NEARLY ZERO ENERGY RESIDENTIAL BUILDING IN MUSCAT. Journal of Thermal Engineering, 0, , 346-358.	0.8	1
3617	ANALYSING THE GAP BETWEEN PREDICTED AND ACTUAL OPERATIONAL ENERGY CONSUMPTION IN BUILDINGS: A REVIEW. , 2021, , .		1
3618	ASSESSING THE CARBON EMISSION REDUCTION BY GRID-TIED PHOTOVOLTAIC (PV) TECHNOLOGY FOR BUILDINGS IN SRI LANKA. , 2021, , .		1
3619	A Comparative Review of Energy Management Controllers in Building. , 2021, , .		1
3620	Prediction of heating energy consumption with operation pattern variables for non-residential buildings using LSTM networks. Energy and Buildings, 2022, 255, 111647.	3.1	45
3621	Revealing the Contribution of Informal Settlements to Climate Change Mitigation in Latin America: A Case Study of Isidro Fabela, Mexico City. Sustainability, 2021, 13, 12108.	1.6	3
3622	From hygrothermal adaptation of endemic plants to meteorosensitive biomimetic architecture: case of Mediterranean biodiversity hotspot in Northeastern Algeria. Environment, Development and Sustainability, 2021, , 1-26.	2.7	3
3623	Studying Energy Performance and Thermal Comfort Conditions in Heritage Buildings: A Case Study of Murabba Palace. Sustainability, 2021, 13, 12250.	1.6	14
3624	Thermal Performance of Cemented Paste Backfill Body Considering Its Slurry Sedimentary Characteristics in Underground Backfill Stopes. Energies, 2021, 14, 7400.	1.6	3

#	ARTICLE	IF	CITATIONS
3625	Experimental study and numerical simulation of heat transfer behavior based on silicone rubber/paraffin @SiO <sub>2</sub> shape-stabilized phase change material. Journal of Energy Storage, 2021, 44, 103431.	3.9	4
3626	In situ latent thermal energy storage in underfloor heating system of building connected to the parabolic trough solar collector-an experimental study. Journal of Energy Storage, 2021, 44, 103489.	3.9	9
3627	Inverse Problem Method to Optimize Cascade Heat Exchange Network in Central Heating System. International Journal of Energy Optimization and Engineering, 2020, 9, 62-82.	0.4	2
3628	Population Dynamics, Economic Growth, and Energy Consumption in Kenya. Advances in Finance, Accounting, and Economics, 0, , 178-191.	0.3	0
3629	Carbon Materials as Electrodes of Electrochemical Double-Layer Capacitors: Textural and Electrochemical Characterization. , 2021, , 149-185.		0
3630	Dew-Point Evaporative Cooling Systems. Green Energy and Technology, 2021, , 53-130.	0.4	1
3631	An Investigation of Optimal Clay Brick Properties for Evaporative Cooling. Lecture Notes in Civil Engineering, 2021, , 173-200.	0.3	0
3632	ANALYSIS OF EQUIPMENT FAULTS IN INDOOR CLIMATE SYSTEMS AND THEIR DETECTION AND DIAGNOSIS MEASURES. Science: Future of Lithuania, 2020, 12, 1-7.	0.0	0
3633	Sustainability Assessment of Prefabricated Building Based on ANP-Entropy Weight Method: Case Study of Guangzhou City. , 2020, , .		1
3634	Business Development in Small Commercial Building Energy Retrofit Projects—A Review on Current Industry Practices. , 2020, , .		0
3635	Implications of the timing of residential natural gas use for appliance electrification efforts. Environmental Research Letters, 2020, 15, 124008.	2.2	4
3636	Noninvasive Method to Measure Thermal Energy Flow Rate in a Pipe. Journal of Thermal Science and Engineering Applications, 2021, 13, .	0.8	4
3637	Reduction of Annual Energy Consumption of Multifamily Dwellings Using BIM and Simulation Tools. RILEM Bookseries, 2021, , 285-297.	0.2	0
3639	Sustainable Approaches Toward the Production of Bioethanol from Biomass. , 2021, , 15-38.		2
3641	Verification of usefulness of Power generation system using Bilateral Drive Gear. , 2020, , .		0
3642	ENERGY EMBODIED IN, AND TRANSMITTED THROUGH, WALLS OF DIFFERENT TYPES WHEN ACCOUNTING FOR THE DYNAMIC EFFECTS OF THERMAL MASS. Journal of Green Building, 2020, 15, 43-66.	0.4	5
3643	The effects of non-renewable energy, renewable energy, economic growth, and foreign direct investment on the sustainability of African countries. Renewable Energy, 2022, 183, 676-686.	4.3	85
3644	Understanding the relationships between the development of the construction sector, carbon emissions, and economic growth in China: Supply-chain level analysis based on the structural production layer difference approach. Sustainable Production and Consumption, 2022, 29, 730-743.	5.7	25



#	ARTICLE	IF	CITATIONS
3645	Home EMS controlled by Neural Networks. , 2021, , .		1
3646	A Multi-Agent Reinforcement Learning Approach to Price and Comfort Optimization in HVAC-Systems. Energies, 2021, 14, 7491.	1.6	4
3647	Effect of orientation and heat input on behavior of solid-liquid interface boundary of phase change material in latent heat thermal energy storage container. Journal of Energy Storage, 2021, 47, 103539.	3.9	3
3648	Simulating heat load profiles in buildings using mixed effects models. Journal of Physics: Conference Series, 2021, 2069, 012138.	0.3	0
3649	Reducing cooling load and lifecycle cost for residential buildings: a case of Lahore, Pakistan. International Journal of Life Cycle Assessment, 2021, 26, 2355-2374.	2.2	7
3650	Exploring the Critical Barriers to the Implementation of Renewable Technologies in Existing University Buildings. Sustainability, 2021, 13, 12662.	1.6	1
3651	Utilizing High Performance Computing to Improve the Application of Machine Learning for Time-Efficient Prediction of Buildingsâ€™ Daylighting Performance. Journal of Physics: Conference Series, 2021, 2069, 012153.	0.3	1
3652	Short-term effects of natural view and daylight from windows on thermal perception, health, and energy-saving potential. Building and Environment, 2022, 208, 108575.	3.0	26
3653	Comparison of simulation-based methods and metaheuristic optimization algorithms for optimizing window design by considering daylighting and heat transfer in a tropical region of Indonesia. IOP Conference Series: Earth and Environmental Science, 2021, 907, 012016.	0.2	0
3654	Urban underground space capacity demand forecasting based on sustainable concept: A review. Energy and Buildings, 2022, 255, 111656.	3.1	17
3655	Nearly optimal demand side management for energy, thermal, EV and storage loads: An Approximate Dynamic Programming approach for smarter buildings. Energy and Buildings, 2022, 255, 111676.	3.1	27
3656	Experimental study of natural materials for an evaporative cooling design in hot-arid climate. Building and Environment, 2022, 207, 108564.	3.0	8
3657	Economic Design of Hybrid Pico-Hydraulic/Photovoltaic Generation System: A Case Study in Egypt. Electronics (Switzerland), 2021, 10, 2947.	1.8	4
3658	Isolated Areas Consumption Short-Term Forecasting Method. Energies, 2021, 14, 7914.	1.6	1
3659	Development of a zero-energy-sauna: Simulation study of thermal energy storage. Energy and Buildings, 2022, 256, 111659.	3.1	1
3660	Distributed Diagnosis of Sensor and Actuator Faults in Air Handling Units in Multi-Zone Buildings: A Model-Based Approach. Energy and Buildings, 2022, 256, 111709.	3.1	8
3661	Feasibility of MOF-based carbon capture from indoor spaces as air revitalization system. Energy and Buildings, 2022, 255, 111666.	3.1	11
3662	Exploratory comparison of control algorithms and machine learning as regulators for a personalized climatization system. Energy and Buildings, 2022, 255, 111653.	3.1	10

#	ARTICLE	IF	CITATIONS
3663	Comprehensive Management Systems of the Quito Heritage. Church the Compañía de Jesús. Lecture Notes in Civil Engineering, 2022, , 524-538.	0.3	0
3664	Evaluating the Impact of Energy Efficiency Building Codes for Residential Buildings in the GCC. Energies, 2021, 14, 8088.	1.6	8
3665	A bidirectional and low-frequency energy harvester for collecting human crowd energy in shopping malls. Energy Conversion and Management, 2022, 252, 115046.	4.4	4
3666	Distributed real-time optimal control of central air-conditioning systems. Energy and Buildings, 2022, 256, 111756.	3.1	5
3668	Advanced State Fuzzy Cognitive Maps applied on nearly Zero Energy Building model. IFAC-PapersOnLine, 2021, 54, 533-538.	0.5	4
3670	Cr-doped UiO-66 with enhanced water adsorption for adsorption heat transformation. Microporous and Mesoporous Materials, 2022, 331, 111642.	2.2	13
3671	The Power of Nudging: Using Feedback, Competition, and Responsibility Assignment to Save Electricity in a Non-residential Setting. Environmental and Resource Economics, 2022, 81, 573-589.	1.5	3
3672	Technical, environmental, and economic evaluation of a solar/gas driven absorption chiller for shopping malls in the Caribbean region of Colombia. Case Studies in Thermal Engineering, 2022, 30, 101743.	2.8	9
3673	Impact of time resolution averaging analysis on integrated photovoltaic with office buildings and grid interaction metrics: Case study. Energy and Buildings, 2022, 257, 111818.	3.1	3
3674	Membrane-based enthalpy exchangers for coincident sensible and latent heat recovery. Energy Conversion and Management, 2022, 253, 115144.	4.4	20
3675	Experimental investigation of an integrated absorption- solid desiccant air conditioning system. Applied Thermal Engineering, 2022, 203, 117912.	3.0	13
3676	Effectiveness of personal comfort systems on whole-body thermal comfort – A systematic review on which body segments to target. Energy and Buildings, 2022, 256, 111766.	3.1	17
3677	NiO films prepared by e-beam evaporation for Mg <sup>2+</sup> based electrochromic devices. Optical Materials, 2022, 124, 111959.	1.7	6
3678	Highly stable Megalopolis lignite based N and S self-doped hierarchically porous activated carbons for high performance supercapacitors and ash content effects on performance. Journal of Energy Storage, 2022, 46, 103817.	3.9	18
3679	Characterization and thermophysical properties of erythritol/expanded graphite as phase change material for thermal energy storage. Journal of Energy Storage, 2022, 46, 103864.	3.9	16
3680	Impact of internet of things paradigm towards energy consumption prediction: A systematic literature review. Sustainable Cities and Society, 2022, 78, 103624.	5.1	21
3681	Impacts of electric-driven heat pumps on residential electricity consumption: An empirical analysis from Arizona, USA. Cleaner and Responsible Consumption, 2022, 4, 100045.	1.6	4
3682	Towards optimal HVAC control in non-stationary building environments combining active change detection and deep reinforcement learning. Building and Environment, 2022, 211, 108680.	3.0	38

#	ARTICLE	IF	CITATIONS
3683	A numerical analysis of particulate matter control technology integrated with HVAC system inlet design and implications on energy consumption. <i>Building and Environment</i> , 2022, 211, 108726.	3.0	4
3684	Advanced thermal regulating materials and systems for energy saving and thermal comfort in buildings. <i>Materials Today Energy</i> , 2022, 24, 100925.	2.5	14
3685	Domestic hot water consumption pattern: Relation with total water consumption and air temperature. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 157, 112035.	8.2	15
3686	Computational time reduction using detailed building models with Typical Short Sequences. <i>Energy</i> , 2022, 244, 123109.	4.5	4
3687	Analysis of the performance of an integrated multistage helical coil heat transfer device and passive cooling windcatcher for buildings in hot climates. <i>Journal of Building Engineering</i> , 2022, 48, 103899.	1.6	0
3688	A techno-economical study of a solar-assisted under-floor air distribution system for buildings in the tropics. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 51, 101915.	1.7	0
3689	A fully distributed voting strategy for AHU fault detection and diagnosis based on a decentralized structure. <i>Energy Reports</i> , 2022, 8, 390-404.	2.5	7
3690	A review on buildings energy information: Trends, end-uses, fuels and drivers. <i>Energy Reports</i> , 2022, 8, 626-637.	2.5	213
3691	Comparative Assessment of Awareness and Knowledge of Impact of Energy Use Behaviour among Nigerian Higher Education Institutions Residence Students. <i>Journal of Energy Research and Reviews</i> , 0, , 1-19.	0.0	0
3692	Prediction on the Indoor Thermal Comfort of Occupied Room Based on IoT Climate Measurement Open Datasets. , 2020, , .		2
3693	A Comprehensive approach to Study Double Diode Model and Shading Effects on Photovoltaic Arrays. , 2020, , .		0
3694	Peak Regulation Market Design for End-users in the Presence of Load Aggregators. , 2020, , .		0
3695	A Fuzzy Logic-Based Automation toward Intelligent Air Conditioning Systems. <i>Kinetik</i> , 0, , 335-344.	0.1	0
3696	Adaptive control and identification for heating demand-response in buildings. , 2021, , .		1
3697	Indoor Climate Modelling and Optimal Planning With Respect To Electricity Prices. , 2021, , .		0
3699	Unsupervised Clustering for Pattern Recognition of Heating Energy Demand in Buildings Connected to District-Heating Network. , 2021, , .		1
3700	HVAC Load Forecasting in Office Buildings Using Machine Learning. , 2021, , .		1
3701	A Demand Response Strategy for HVAC Systems for Peak Load Shedding. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
3702	Decision Support System for Forecasting the trends in Energy Sector of Pakistan: Multivariate Modeling with Socio-economic and Environmental Factors. , 2021, , .		0
3703	Control Architectures of Solar-Powered HVAC Systems: A DC-DC Converter's Perspective. , 2021, , .		0
3704	Adversarial Attacks on Multi-Level Fault Detection and Diagnosis Systems. , 2021, , .		2
3705	A comprehensive review of nano-phase change materials with a focus on the effects of influential factors. Environmental Progress and Sustainable Energy, 2022, 41, e13808.	1.3	4
3706	The Evolution of Knowledge and Trends within the Building Energy Efficiency Field of Knowledge. Energies, 2022, 15, 691.	1.6	4
3707	Passive Energy-Saving Technologies for Low-Rise Residential Buildings Based on Building Prototyping: Cixi City as a Case. Lecture Notes in Civil Engineering, 2022, , 391-398.	0.3	2
3708	A hybrid RF-LSTM based on CEEMDAN for improving the accuracy of building energy consumption prediction. Energy and Buildings, 2022, 259, 111908.	3.1	53
3709	Performance Evaluation on the In-Cylinder Heat Transfer of a Reciprocating Compressor using CO <sub>2</sub> as a Working Fluid. Journal of Thermal Science, 0, , 1.	0.9	1
3711	A case study on the electrical energy auditing and saving techniques in an educational institution (IMCO, Sohar, Oman). Case Studies in Thermal Engineering, 2022, 31, 101820.	2.8	11
3712	Global Prospects, Advance Technologies and Policies of Energy-Saving and Sustainable Building Systems: A Review. Sustainability, 2022, 14, 1316.	1.6	19
3713	An Overview of the Recent Advances of Additive-Improved Mg(BH <sub>4</sub> ) <sub>2</sub> for Solid-State Hydrogen Storage Material. Energies, 2022, 15, 862.	1.6	13
3714	Improving Energy Efficiency by Utilizing Wetted Cellulose Pads in Passive Cooling Systems. Energies, 2022, 15, 369.	1.6	4
3715	Life cycle energy analysis of a green building in Vietnam. IOP Conference Series: Materials Science and Engineering, 2022, 1212, 012004.	0.3	0
3716	Assessing and Monitoring of Building Performance by Diverse Methods. Sustainability, 2022, 14, 1242.	1.6	14
3717	Potential Electricity Production by Installing Photovoltaic Systems on the Rooftops of Residential Buildings in Jordan: An Approach to Climate Change Mitigation. Energies, 2022, 15, 496.	1.6	21
3718	Assessment of Different CFD Modeling and Solving Approaches for a Supersonic Steam Ejector Simulation. Atmosphere, 2022, 13, 144.	1.0	7
3719	Fluid mechanics of sash windows. Flow, 2022, 2, .	1.0	1
3720	On the Impact of Climate Change on Building Energy Consumptions: A Meta-Analysis. Energies, 2022, 15, 354.	1.6	28

#	ARTICLE	IF	CITATIONS
3721	Design of Metalâ€“Dielectric Multilayer Coatings for Energyâ€“Efficient Building Glazing. Energy Technology, 0, , 2100776.	1.8	0
3722	Waste management in fashion and textile industry: Recent advances and trends, life-cycle assessment, and circular economy. , 2022, , 215-242.		11
3723	Data engineering for digital twinning and optimization of naturally ventilated solar facade with phase changing material under global projection scenarios. Renewable Energy, 2022, 187, 1184-1203.	4.3	26
3724	Building Geometry as a Variable in Energy, Comfort, and Environmental Design Optimizationâ€“A Review from the Perspective of Architects. Buildings, 2022, 12, 69.	1.4	13
3725	Sustainability of Heating, Ventilation and Air-Conditioning (HVAC) Systems in Buildingsâ€“An Overview. International Journal of Environmental Research and Public Health, 2022, 19, 1016.	1.2	30
3726	An applicable surface heating in a two-phase ejector refrigeration. European Physical Journal Plus, 2022, 137, 1.	1.2	9
3727	Predicting the renewable energy consumption in 2026 by using a recursive moving average model. International Journal of Ambient Energy, 2022, 43, 6694-6701.	1.4	2
3728	Carbon Peak and Carbon Neutrality in the Building Sector: A Bibliometric Review. Buildings, 2022, 12, 128.	1.4	51
3729	A statistical-based online cross-system fault detection method for building chillers. Building Simulation, 2022, 15, 1527-1543.	3.0	6
3730	A Study on Control Strategy for Air Conditioning of Western Exposed Rooms in Subtropical Region. Energies, 2022, 15, 731.	1.6	3
3731	Chillerâ€“pump system optimisation method for minimum energy operation based on multi-objective evolutionary algorithm. Applied Thermal Engineering, 2022, 208, 118150.	3.0	5
3732	Sky luminance distribution model based on the information method and ant colony system. Lighting Research and Technology, 0, , 147715352110382.	1.2	1
3733	Thermal comfort in offices based on office workersâ€™ awareness of discomfort. Building and Environment, 2022, 213, 108851.	3.0	2
3734	Heat pipe-based waste heat recovery systems: Background and applications. Thermal Science and Engineering Progress, 2022, 29, 101221.	1.3	31
3735	Performance analysis of a novel double stage multifunctional open absorption heat pump system: An industrial moist flue gas heat recovery application. Energy Conversion and Management, 2022, 254, 115224.	4.4	10
3736	A gas flow velocity sensor fabricated with femtosecond laser using 4 ¼m ultra-thin glass sheet. Applied Physics Express, 2022, 15, 036502.	1.1	2
3737	End-to-end chiller fault diagnosis using fused attention mechanism and dynamic cross-entropy under imbalanced datasets. Building and Environment, 2022, 212, 108821.	3.0	20
3738	Experimental investigations on indirect contact type liquid desiccant cooling systems for high latent heat load application. Case Studies in Thermal Engineering, 2022, 31, 101814.	2.8	15

#	ARTICLE	IF	CITATIONS
3739	The interactive dispatch strategy for thermostatically controlled loads based on the source-load collaborative evolution. <i>Applied Energy</i> , 2022, 309, 118395.	5.1	5
3740	Monitoring and diagnostics of buildings' heat loss based on 3D IR model of multiple buildings. <i>Energy and Buildings</i> , 2022, 259, 111889.	3.1	5
3741	Buildings' internal heat gains prediction using artificial intelligence methods. <i>Energy and Buildings</i> , 2022, 258, 111794.	3.1	9
3742	Real vs. simulated: Questions on the capability of simulated datasets on building fault detection for energy efficiency from a data-driven perspective. <i>Energy and Buildings</i> , 2022, 259, 111872.	3.1	9
3743	Development of a low-pressure loss PM2.5 filter for building natural ventilation. <i>Building and Environment</i> , 2022, 212, 108798.	3.0	1
3744	Experimental analysis of artificial intelligence-based model predictive control for thermal energy storage under different cooling load conditions. <i>Sustainable Cities and Society</i> , 2022, 79, 103700.	5.1	13
3745	Optimization and BIM-based lifecycle assessment integration for energy efficiency retrofit of buildings. <i>Journal of Building Engineering</i> , 2022, 49, 104022.	1.6	24
3746	Performance evaluation of active chilled beam systems for office buildings – A literature review. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 101999.	1.7	3
3747	Real-time building heat gains prediction and optimization of HVAC setpoint: An integrated framework. <i>Journal of Building Engineering</i> , 2022, 49, 104103.	1.6	7
3748	A synchronous prediction method for hourly energy consumption of abnormal monitoring branch based on the data-driven. <i>Energy and Buildings</i> , 2022, 260, 111940.	3.1	4
3749	Experimental exploration on airtightness performance of residential buildings in the hot summer and cold winter zone in China. <i>Building and Environment</i> , 2022, 214, 108848.	3.0	9
3750	Decision Support System to Classify and Optimize the Energy Efficiency in Smart Buildings: A Data Analytics Approach. <i>Sensors</i> , 2022, 22, 1380.	2.1	4
3751	Performance on heating human body of an optimised radiant-convective combined personal electric heater. <i>Building and Environment</i> , 2022, 214, 108882.	3.0	8
3752	Single-sided natural ventilation in buildings: a critical literature review. <i>Building and Environment</i> , 2022, 212, 108797.	3.0	51
3753	Using machine learning algorithms to multidimensional analysis of subjective thermal comfort in a library. <i>Building and Environment</i> , 2022, 212, 108790.	3.0	12
3754	Uncertainties in whole-building life cycle assessment: A systematic review. <i>Journal of Building Engineering</i> , 2022, 50, 104191.	1.6	13
3755	A review of the structure and application of active chilled beams (ACBs) for central air conditioning systems. <i>Science and Technology for the Built Environment</i> , 2022, 28, 350-367.	0.8	3
3756	Energy Management Model for HVAC Control Supported by Reinforcement Learning. <i>Energies</i> , 2021, 14, 8210.	1.6	9

#	ARTICLE	IF	CITATIONS
3760	Nanoparticles for Cleaning up Oil Sands Process-Affected Water. Lecture Notes in Nanoscale Science and Technology, 2021, , 445-496.	0.4	1
3762	New technologies in energy management systems of buildings. Ekonomika Preduzeca, 2022, 70, 75-86.	0.3	1
3764	AN EMPIRICAL STUDY OF STUDENTS' AIR CONDITIONING ENERGY USE BEHAVIOR IN UNIVERSITY DORMITORIES—A CASE OF NANJING, CHINA. Journal of Green Building, 2022, 17, 169-198.	0.4	1
3765	Machine Learning Models for Predicting Indoor Air Temperature of Smart Building. Communications in Computer and Information Science, 2022, , 586-595.	0.4	0
3766	Experimental study the effect of CaCl <sub>2</sub> solution temperature variation as a liquid desiccant on regenerator/humidifier performance. AIP Conference Proceedings, 2022, , .	0.3	0
3767	Understanding and Reducing HVAC Power Consumption Post-Evacuation Events in Commercial Buildings. IEEE Internet of Things Journal, 2022, 9, 17235-17248.	5.5	0
3769	AN EMPIRICAL STUDY OF STUDENTS' AIR CONDITIONING ENERGY USE BEHAVIOR IN UNIVERSITY DORMITORIES—A CASE OF NANJING, CHINA. Journal of Green Building, 2022, 17, 169-198.	0.4	2
3770	Trainingless Energy Disaggregation Without Plug-Level Sensing. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	2.4	2
3771	Role of microbial nanotechnology in energy devices. , 2022, , 517-547.		0
3772	Engineered Living Materials for Construction. , 2022, , 187-216.		3
3773	An Energy Performance Evaluation of Commercially Available Window Glazing in Darwin's Tropical Climate. Sustainability, 2022, 14, 2394.	1.6	1
3774	Development of Renewable Energy Sources in the European Union in the Context of Sustainable Development Policy. Energies, 2022, 15, 1545.	1.6	23
3775	Deep Learning Based Active Power Disaggregation of Appliances for Personalized Energy Feedback System. Journal of the Korean Solar Energy Society, 2022, 42, 103-114.	0.1	0
3776	An investigation of the design process's effect on a high-performance building's actual energy system performance. Journal of Integrated Design and Process Science, 2023, 26, 85-100.	0.2	1
3777	A Numerical and Experimental Investigation of a Confluent Jets Ventilation Supply Device in a Conference Room. Energies, 2022, 15, 1630.	1.6	5
3778	Current Practice and Potential Associated with Timber-Based Solutions for Buildings Retrofitting. Infrastructures, 2022, 7, 25.	1.4	1
3779	Influence of occupant presence patterns on energy consumption and its relation to comfort: a case study based on sensor and crowd-sensed data. Energy, Sustainability and Society, 2022, 12, 13.	1.7	7
3780	Estimation of Total Solar Transmittance for Twin-Wall Polycarbonate Sheet with Rectangular Structure on the Basis of Experimental Research. Energies, 2022, 15, 1360.	1.6	3

#	ARTICLE	IF	CITATIONS
3781	Thermo-Economic Analysis of Near-Surface Geothermal Energy Considering Heat and Cold Supply within a Low-Temperature District Heating Network. Processes, 2022, 10, 421.	1.3	2
3782	Integrated Value Engineering and Life Cycle Cost Modeling for HVAC System Selection. Sustainability, 2022, 14, 2126.	1.6	11
3783	A review of human thermal plume and its influence on the inhalation exposure to particulate matter. Indoor and Built Environment, 2022, 31, 1758-1774.	1.5	12
3784	Exploring the thermal behaviour of building materials: Terracotta, concrete hollow block and hollow brick, under the arid climate, case study of Biskra-Algeria. Materials Today: Proceedings, 2022, 58, 1380-1388.	0.9	4
3785	Development of nitrogen-decorated carbon dots (NCDs) thermally conductive film for windows application. Carbon Letters, 2022, 32, 1065-1072.	3.3	18
3786	Demand Flexibility of Residential Buildings: Definitions, Flexible Loads, and Quantification Methods. Engineering, 2022, 16, 123-140.	3.2	33
3787	User-friendly fault detection method for building chilled water flowmeters: Field data validation. Science and Technology for the Built Environment, 0, , 1-22.	0.8	2
3788	Characterizing Residential Energy Consumption Patterns in the Rural Midwest. , 2022, , .		0
3789	Analysis of thermal environment and energy performance by biased economizer outdoor air temperature sensor fault. Journal of Mechanical Science and Technology, 2022, 36, 2083-2094.	0.7	1
3790	The Development of ARIMA Models for the Clear Sky Beam and Diffuse Optical Depths for HVAC Systems Design Using RTSM: A Case Study of the Umlazi Township Area, South Africa. Sustainability, 2022, 14, 3662.	1.6	1
3791	All-Ceramic and Elastic Aerogels with Nanofibrous-Granular Binary Synergistic Structure for Thermal Superinsulation. ACS Nano, 2022, 16, 5487-5495.	7.3	59
3792	Asymmetric Design for a High-Performance Indoor Radiative Heating Fabric. Advanced Materials Technologies, 0, , 2101738.	3.0	1
3793	Variable refrigerant flow air conditioning system applicant company selection using PROMETHEE method. International Journal of Energy and Environmental Engineering, 2022, 13, 1177-1204.	1.3	3
3794	Systematic Review Analysis on Smart Building: Challenges and Opportunities. Sustainability, 2022, 14, 3009.	1.6	26
3795	A proof-of-concept study of a novel ventilation heat recovery vapour injection air source heat pump. Energy Conversion and Management, 2022, 256, 115404.	4.4	13
3796	A highly transparent compressed wood prepared by cell wall densification. Wood Science and Technology, 2022, 56, 669-686.	1.4	14
3797	Scalable Room Occupancy Prediction with Deep Transfer Learning Using Indoor Climate Sensor. Energies, 2022, 15, 2078.	1.6	8
3798	A hybrid machine learning approach integrating recurrent neural networks with subspace identification for modelling <sc>HVAC</sc> systems. Canadian Journal of Chemical Engineering, 2022, 100, 3620-3634.	0.9	3



#	ARTICLE	IF	CITATIONS
3799	Urban Residential Buildings's Energy Consumption Pattern and Efficiency. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 0, , 1.	1.0	2
3800	An occupant-centric adaptive facade based on real-time and contactless glare and thermal discomfort estimation using deep learning algorithm. Building and Environment, 2022, 214, 108907.	3.0	13
3801	Seasonal adaptation of VRF HVAC model calibration process to a mediterranean climate. Energy and Buildings, 2022, 261, 111941.	3.1	7
3802	Food waste to bioenergy: current status and role in future circular economies in Indonesia. Energy, Ecology and Environment, 2022, 7, 297-339.	1.9	8
3803	A progressive comparison of the novel pulse and conventional steady state methods of measuring the airtightness of buildings. Energy and Buildings, 2022, 261, 111983.	3.1	2
3804	Performance analysis of a pilot-scale municipal solid waste gasification and dehumidification system for the production of energy and resource. Energy Conversion and Management, 2022, 258, 115505.	4.4	7
3805	A three-year dataset supporting research on building energy management and occupancy analytics. Scientific Data, 2022, 9, 156.	2.4	23
3806	Reduction of solar infrared heating by using highly transparent thin films based on organic chiral nematic liquid crystal polymer. Applied Optics, 2022, 61, 3771.	0.9	6
3807	Research Development in Silica Aerogel Incorporated Cementitious Composites: A Review. Polymers, 2022, 14, 1456.	2.0	13
3808	Integration and Verification of PLUG-N-HARVEST ICT Platform for Intelligent Management of Buildings. Energies, 2022, 15, 2610.	1.6	6
3809	Influence of geometric design parameters of double skin facade on its thermal and fluid dynamics behavior: A comprehensive review. Solar Energy, 2022, 236, 249-279.	2.9	31
3810	A Digital Twin predictive maintenance framework of air handling units based on automatic fault detection and diagnostics. Energy and Buildings, 2022, 261, 111988.	3.1	85
3811	Contrasting accuracies of single and ensemble models for predicting solar and thermal performances of traditional vaulted roofs. Solar Energy, 2022, 236, 335-355.	2.9	4
3812	CntrlDA: A building energy management control system with real-time adjustments. Application to indoor temperature. Building and Environment, 2022, 215, 108938.	3.0	8
3813	Techno-economic analysis of energy storage systems using reversible fuel cells and rechargeable batteries in green buildings. Energy, 2022, 247, 123466.	4.5	39
3814	Energy balances, thermal performance, and heat stress: Disentangling occupant behaviour and weather influences in a Dutch net-zero energy neighborhood. Energy and Buildings, 2022, 263, 112020.	3.1	9
3815	Design of district heating networks in built environments using GIS: A case study in Vitoria-Gasteiz, Spain. Journal of Cleaner Production, 2022, 349, 131491.	4.6	8
3816	Energy savings potential of occupancy-based HVAC control in laboratory buildings. Energy and Buildings, 2022, 263, 112031.	3.1	13

#	ARTICLE	IF	CITATIONS
3817	Thermal analysis of a solar-powered absorption air-conditioning system: Case study for a tent in Mina zone, Saudi Arabia. <i>Cleaner Engineering and Technology</i> , 2022, 8, 100472.	2.1	2
3818	Sub-ambient radiative cooling under tropical climate using highly reflective polymeric coating. <i>Solar Energy Materials and Solar Cells</i> , 2022, 240, 111723.	3.0	18
3819	Durable vanadium dioxide with 33-year service life for smart windows applications. <i>Materials Today Energy</i> , 2022, 26, 100978.	2.5	20
3820	Tetra-Fish-Inspired aesthetic thermochromic windows toward Energy-Saving buildings. <i>Applied Energy</i> , 2022, 315, 119053.	5.1	19
3821	Longtime solar performance estimations of low-E glass depending on local atmospheric conditions. <i>Solar Energy Materials and Solar Cells</i> , 2022, 240, 111730.	3.0	6
3822	Thermal comfort performance and energy-efficiency evaluation of six personal heating/cooling devices. <i>Building and Environment</i> , 2022, 217, 109069.	3.0	28
3823	Short-term hybrid forecasting model of ice storage air-conditioning based on improved SVR. <i>Journal of Building Engineering</i> , 2022, 50, 104194.	1.6	12
3824	Numerical simulation of the melting and solidification processes of two organic phase change materials in spherical enclosures for cold thermal energy storage applications. <i>Journal of Energy Storage</i> , 2022, 51, 104337.	3.9	17
3825	Investigation into the daylight performance of expanded-metal shading through parametric design and multi-objective optimisation in Japan. <i>Journal of Building Engineering</i> , 2022, 51, 104241.	1.6	13
3826	Dissimilarity-driven ensemble model-based real-time optimization for control of building HVAC systems. <i>Journal of Building Engineering</i> , 2022, 52, 104376.	1.6	1
3827	Natural ventilation performance of solar chimney with and without earth-air heat exchanger during transition seasons. <i>Energy</i> , 2022, 250, 123818.	4.5	13
3828	Evaluation of the Efficiency of Already Existing Network Solar Photovoltaic Plants Operating 24/7/365 in Low-Voltage Power Supply Systems of Social Facilities in the City of Dushanbe. <i>Applied Solar Energy (English Translation of Geliotekhnika)</i> , 2021, 57, 323-332.	0.2	1
3829	Direct Thermal Load Control in Active Distribution Networks Based on Deep Reinforcement Learning. , 2021, , .		0
3830	Effect of input parameters on energy requirements of phase change material integrated local heating system. <i>Journal of Physics: Conference Series</i> , 2021, 2116, 012083.	0.3	2
3832	Research Progress of Photo-/Electro-Driven Thermochromic Smart Windows. <i>Nanomaterials</i> , 2021, 11, 3335.	1.9	21
3833	Ceiling-fan-integrated air-conditioning: thermal comfort evaluations. <i>Buildings and Cities</i> , 2021, 2, .	1.1	2
3834	Numerical Analysis of the Impact of the Location of a Commercial Broiler House on Its Energy Management and Heat Exchange with the Ground. <i>Energies</i> , 2021, 14, 8565.	1.6	5
3835	Reconfigurable Low-Emissivity Optical Coating Using Ultrathin Phase Change Materials. <i>ACS Photonics</i> , 2022, 9, 90-100.	3.2	18

#	ARTICLE	IF	CITATIONS
3836	Contrastive Analysis on the Ventilation Performance of a Combined Solar Chimney. Applied Sciences (Switzerland), 2022, 12, 156.	1.3	7
3837	Evaluation of Energy Performance and Thermal Comfort Considering the Heat Storage Capacity and Thermal Conductivity of Biocomposite Phase Change Materials. Processes, 2021, 9, 2191.	1.3	5
3838	Solar Energy in the United States: Development, Challenges and Future Prospects. Energies, 2021, 14, 8142.	1.6	15
3839	Mechanical Properties of Lightweight Cementitious Cellular Composites Incorporating Micro-Encapsulated Phase Change Material. Materials, 2021, 14, 7586.	1.3	5
3840	Assessment of energy efficiency for traditional non-engineered and engineered residential buildings – A case of North-Eastern India. Materials Today: Proceedings, 2021, , .	0.9	2
3841	Enhanced IR Radiative Cooling of Silver Coated PA Textile. Polymers, 2022, 14, 147.	2.0	6
3842	Metal Fuels as Alternative Sources of Energy for Zero Carbon Emission. IOP Conference Series: Earth and Environmental Science, 2021, 943, 012016.	0.2	3
3843	Thinking inside the box: new ways of considering energy consumption in a multi-user agency-constrained environment. Energy Efficiency, 2021, 14, 1.	1.3	13
3844	Extracting Influential Factors for Building Energy Consumption via Data Mining Approaches. Energies, 2021, 14, 8505.	1.6	0
3845	Deformable Thermo-Responsive Smart Windows Based on a Shape Memory Polymer for Adaptive Solar Modulations. ACS Applied Materials & Interfaces, 2021, 13, 61196-61204.	4.0	16
3846	Building as an energy system. , 2022, , 59-94.		0
3847	Demonstration of an MPC framework for all-air systems in non-residential buildings. Building and Environment, 2022, 217, 109053.	3.0	15
3848	Effect of pH on the structure and morphology of W18O49 nanowires and their electrochromic properties. Ceramics International, 2022, 48, 20791-20800.	2.3	6
3849	Inorganic additive-incorporated composites with infrared radiation performance for thermal management. International Journal of Clothing Science and Technology, 2022, ahead-of-print, .	0.5	1
3850	Conduction heat transfer switching using magnetic Fe <sub>x</sub> O <sub>y</sub> -decorated carbon-based nanomaterials. European Physical Journal: Special Topics, 0, , 1.	1.2	1
3851	A passive loss reduction method of square-to-square sudden expansions. Energy and Buildings, 2022, 266, 112113.	3.1	2
3852	Investigation of Ventilation Systems to Improve Air Quality in the Occupied Zone in Office Buildings. Buildings, 2022, 12, 493.	1.4	13
3853	Digital twins model and its updating method for heating, ventilation and air conditioning system using broad learning system algorithm. Energy, 2022, 251, 124040.	4.5	27

#	ARTICLE	IF	CITATIONS
3854	Performance study of heat and mass transfer in a counterflow liquid to air membrane-based parallel-plate dehumidifier. <i>Indoor and Built Environment</i> , 0, , 1420326X2210803.	1.5	0
3855	Comprehensive Energy Consumption of Elevator Systems Based on Hybrid Approach of Measurement and Calculation in Low- and High-Rise Buildings of Tropical Climate towards Energy Efficiency. <i>Sustainability</i> , 2022, 14, 4779.	1.6	8
3856	A water and greenhouse gas inventory for hygroscopic building-scale cooling tower operations. <i>Building and Environment</i> , 2022, 218, 109086.	3.0	2
3857	Drivers for energy analysis towards a BIM-enabled information flow. <i>Smart and Sustainable Built Environment</i> , 2023, 12, 507-533.	2.2	2
3858	Radiative cooling for buildings: A review of techno-enviro-economics and life-cycle assessment methods. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 162, 112415.	8.2	31
3859	Novel multifunctional open absorption heat pump system with compressed air dryer assisted preliminary flash regeneration-An industrial application. <i>Applied Thermal Engineering</i> , 2022, 211, 118526.	3.0	1
3871	Prediction of Temperature in Buildings Using Machine Learning Techniques. , 0, , 2901-2919.		0
3873	A Novel Data-Driven Method for Behind-the-Meter Solar Generation Disaggregation With Cross-Iteration Refinement. <i>IEEE Transactions on Smart Grid</i> , 2022, 13, 3823-3835.	6.2	7
3874	How to Derive and Implement a Minimalistic RC Model from Thermodynamics for the Control of Thermal Parameters for Assuring Thermal Comfort in Buildings. , 2022, , .		3
3875	Synchronization Optimization of Pipe Diameter and Operation Frequency in a Pressurized Irrigation Network Based on the Genetic Algorithm. <i>Agriculture (Switzerland)</i> , 2022, 12, 673.	1.4	2
3876	Two-time-scale coordinated optimal control of building energy systems for demand response considering forecast uncertainties. <i>Energy</i> , 2022, 253, 124204.	4.5	7
3877	Wind tunnel experiments on pumping ventilation through a three-story reduce-scaled building with two openings affected by upwind and downwind buildings. <i>Building and Environment</i> , 2022, 219, 109188.	3.0	4
3878	Can phase change materials in building insulation improve self-consumption of residential rooftop solar? An Australian case study. <i>Renewable Energy</i> , 2022, 192, 24-34.	4.3	4
3879	LA-PA eutectic/ nano- SiO <sub>2</sub> composite phase change material for thermal energy storage application in buildings. <i>Construction and Building Materials</i> , 2022, 338, 127663.	3.2	20
3880	Assessing the potential and utilization of solar energy at the building-scale in Shanghai. <i>Sustainable Cities and Society</i> , 2022, 82, 103917.	5.1	25
3881	Energy, exergy, economic and environmental analysis of an indirect evaporative cooling integrated with liquid dehumidification. <i>Energy</i> , 2022, 253, 124147.	4.5	7
3882	Study on water spraying distribution to improve the energy recovery performance of indirect evaporative coolers with nozzle arrangement optimization. <i>Applied Energy</i> , 2022, 318, 119212.	5.1	21
3883	Analysis of Hydronic Heating and Cooling Systems in Commercial Buildings Using CBECS Microdata. <i>Journal of Architectural Engineering</i> , 2022, 28, .	0.8	1

#	ARTICLE	IF	CITATIONS
3884	Effects of local heating of body on human thermal sensation and thermal comfort. Journal of Building Engineering, 2022, 53, 104543.	1.6	7
3885	Overview of Variable Refrigerant Flow Air Conditioning System. , 2021, 11, 37-46.		0
3886	Methodology for the Evaluation of an Energetic Model of Thermal Transmittance in a Window by Means of Horizontal Aggregation (HA) from Short-range Photogrammetry for Model Digital Twin. Lecture Notes in Civil Engineering, 2022, , 47-65.	0.3	1
3887	Learning Efficient Dynamic Controller for HVAC System. Mobile Information Systems, 2022, 2022, 1-7.	0.4	0
3888	Additive manufacturing on the façade: functional use of direct metal laser sintering hatch distance process parameters in building envelope. Rapid Prototyping Journal, 2022, 28, 1808-1820.	1.6	6
3889	Building performance analysis for optimizing the energy consumption of an educational building. International Journal of Building Pathology and Adaptation, 2022, ahead-of-print, .	0.7	3
3891	Using Genetic Algorithm to Control Ventilation Systems Based on Demand in a Single-Family House in Sweden. , 2022, , .		0
3892	Toward Smart Multizone HVAC Control by Combining Context-Aware System and Deep Reinforcement Learning. IEEE Internet of Things Journal, 2022, 9, 21010-21024.	5.5	4
3893	A Decision Support System for Optimal Building Cold Source Selection. Shock and Vibration, 2022, 2022, 1-13.	0.3	0
3894	Urban Building Energy Modeling: A Time-Series Building Energy Consumption Use Simulation Prediction Tool Based on Graph Neural Network. , 2022, , .		0
3895	A cosine-based correlation information entropy approach for building automatic fault detection baseline construction. Science and Technology for the Built Environment, 2022, 28, 1138-1149.	0.8	2
3896	Extracting Building Characteristics Essential for Building Energy Consumption Predictions: Learning from Façade Images through Deep Learning. , 2022, , .		0
3897	Blockchain-based IoT system for personalized indoor temperature control. Automation in Construction, 2022, 140, 104339.	4.8	19
3898	Machine learning enabled condensation heat transfer measurement. International Journal of Heat and Mass Transfer, 2022, 194, 123016.	2.5	15
3901	Heating, Ventilation, and Air Conditioning Control by Range-Doppler and Micro-Doppler Radar Sensor. , 2022, , .		10
3902	Validity of Orifice equation and impact of building parameters on wind-induced natural ventilation rates with minute mean wind pressure difference. Building and Environment, 2022, 219, 109248.	3.0	10
3905	Analysis on the performance of interactive cascade ventilation for space heating based on non-uniform indoor environment demand. Building and Environment, 2022, 219, 109244.	3.0	10
3906	Welfare maximization with the least subsidy: Pricing model for surface water loop heat pump PPP projects considering occupancy rate growth and coefficient of performance. Renewable Energy, 2022, 194, 1131-1141.	4.3	3

#	ARTICLE	IF	CITATIONS
3907	A Flexible Deep Learning Method for Energy Forecasting. <i>Energies</i> , 2022, 15, 3926.	1.6	13
3908	Energy and mass exchange at an urban site in mountainous terrain – the Alpine city of Innsbruck. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 6559-6593.	1.9	4
3909	Multi-Task Learning for Concurrent Prediction of Thermal Comfort, Sensation and Preference in Winters. <i>Buildings</i> , 2022, 12, 750.	1.4	12
3910	Bridging the Gap in Technology Transfer for Advanced Process Control with Industrial Applications. <i>Sensors</i> , 2022, 22, 4149.	2.1	4
3911	Improving thermal model predictions for naturally ventilated buildings using large-eddy simulations. <i>Building and Environment</i> , 2022, , 109241.	3.0	9
3912	Effect of thermal buoyancy on vortex ring air supply mode. <i>Building and Environment</i> , 2022, 221, 109257.	3.0	1
3913	Selective Solar Harvesting Windows for Full-Spectrum Utilization. <i>Advanced Science</i> , 2022, 9, .	5.6	10
3914	Development and optimization of highly efficient heat recoveries for low carbon residential buildings. <i>Energy and Buildings</i> , 2022, 268, 112236.	3.1	8
3915	Toward Energy-Efficient Houses Considering Social Cultural Needs in Bahrain: A New Framework Approach. <i>Sustainability</i> , 2022, 14, 6842.	1.6	4
3916	Rendering passive radiative cooling capability to cotton textile by an alginate/CaCO <sub>3</sub> coating via synergistic light manipulation and high water permeation. <i>Composites Part B: Engineering</i> , 2022, 240, 109988.	5.9	14
3917	High-efficiency cooling solution for exhaust air heat pump: Modeling and experimental validation. <i>Energy</i> , 2022, 254, 124396.	4.5	6
3921	A Case Study of Energy Conservation using Python in Bapatla Engineering College, Andhra Pradesh. , 2021, 10, 40-43.		0
3922	Multi-Criteria Assessment for City-Wide Rooftop Solar PV Deployment: A Case Study of Bandung, Indonesia. <i>Remote Sensing</i> , 2022, 14, 2796.	1.8	8
3923	Algorithmic Generation of Building Typology for Office Building Design. <i>Buildings</i> , 2022, 12, 884.	1.4	0
3924	Historical decarbonization of global commercial building operations in the 21st century. <i>Applied Energy</i> , 2022, 322, 119401.	5.1	103
3925	Dynamic insulation systems of building envelopes: A review. <i>Energy and Buildings</i> , 2022, 270, 112268.	3.1	33
3926	Analysis of domestic hot water in residential buildings in Spain. <i>Science and Technology for the Built Environment</i> , 2022, 28, 1227-1236.	0.8	0
3927	Diversity for transfer in learning-based control of buildings. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
3928	A labelling strategy to define airtightness performance ranges of naturally ventilated dwellings: an application in southern Europe. <i>Energy and Buildings</i> , 2022, , 112266.	3.1	5
3929	A Survey on Deep Learning for Building Load Forecasting. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-25.	0.6	4
3930	Fault Detection and Diagnosis Encyclopedia for Building Systems: A Systematic Review. <i>Energies</i> , 2022, 15, 4366.	1.6	8
3932	Load pattern recognition based optimization method for energy flexibility in office buildings. <i>Energy</i> , 2022, 254, 124475.	4.5	7
3933	Actual energy performance and indoor climate in Finnish NZEB daycare and school buildings. <i>Journal of Building Engineering</i> , 2022, 56, 104759.	1.6	2
3935	Using an Ensemble Learning Framework to Predict Residential Energy Consumption in the Hot and Humid Climate of Iran. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3936	A Thermal Comfort and Peak Power Demand Aware VRF Heating/Cooling Management Framework: Simulation and On-site Experiment. <i>Journal of Information Processing</i> , 2022, 30, 476-485.	0.3	3
3937	A numerical Study of the Effect of Façade Opening on Nighttime Ventilation of a Low-Energy Building. , 2022, , .		0
3938	Building Matters: Spatial Variability in Machine Learning Based Thermal Comfort Prediction in Winters. , 2022, , .		6
3939	Construction and Calibration of a Unique Hot Box Apparatus. <i>Energies</i> , 2022, 15, 4677.	1.6	6
3940	Using total equivalent temperature difference approach to estimate air conditioning cooling load in buildings. <i>Journal of Engineering and Thermal Sciences</i> , 2022, 2, 59-68.	0.2	0
3941	Application of artificial intelligence (AI) control system on chiller plant at MTR station. <i>HKIE Transactions</i> , 2022, 29, 90-97.	1.9	0
3942	Thermoregulatory clothing with temperature-adaptive multimodal body heat regulation. <i>Cell Reports Physical Science</i> , 2022, 3, 100958.	2.8	23
3943	Indoor air quality and health in schools: A critical review for developing the roadmap for the future school environment. <i>Journal of Building Engineering</i> , 2022, 57, 104908.	1.6	43
3944	A multi-energy load prediction of a building using the multi-layer perceptron neural network method with different optimization algorithms. <i>Energy Exploration and Exploitation</i> , 2023, 41, 273-305.	1.1	7
3945	Distributed iterative learning temperature control for large-scale buildings. <i>International Journal of Robust and Nonlinear Control</i> , 2023, 33, 4210-4227.	2.1	1
3946	Non-intrusive load monitoring based on semi-supervised smooth teacher graph learning with voltage-current trajectory. <i>Neural Computing and Applications</i> , 2022, 34, 19147-19160.	3.2	11
3947	Development of a Framework to Aid the Transition from Reactive to Proactive Maintenance Approaches to Enable Energy Reduction. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6704.	1.3	2

#	ARTICLE	IF	CITATIONS
3948	Energy and comfort evaluation of a novel hybrid control algorithm for smart electrochromic windows: A simulation study. <i>Solar Energy</i> , 2022, 241, 671-685.	2.9	8
3949	Residential Building Envelope Energy Retrofit Methods, Simulation Tools, and Example Projects: A Review of the Literature. <i>Buildings</i> , 2022, 12, 954.	1.4	14
3950	Decapod-inspired pigment modulation for active building facades. <i>Nature Communications</i> , 2022, 13, .	5.8	8
3951	Real-world implementation and cost of a cloud-based MPC retrofit for HVAC control systems in commercial buildings. <i>Energy and Buildings</i> , 2022, 270, 112269.	3.1	23
3952	Reduced building energy consumption by combined indoor CO <sub>2</sub> and H <sub>2</sub> O composition control. <i>Applied Energy</i> , 2022, 322, 119526.	5.1	13
3953	Deep learning and physics-based modeling for the optimization of ice-based thermal energy systems in cooling plants. <i>Applied Energy</i> , 2022, 322, 119443.	5.1	13
3954	Optimization and performance analysis of water-mediated series indirect evaporative chillers: Experimental and simulated investigation. <i>Energy Conversion and Management</i> , 2022, 268, 115990.	4.4	9
3955	Thermomechanical characterization and thermal simulation of a new multilayer mortar and a light-weight pozzolanic concrete for building energy efficiency. <i>Construction and Building Materials</i> , 2022, 346, 128479.	3.2	9
3956	Research on design day generation method for air-conditioning system design considering the coincidence of hourly variation coefficient. <i>Energy and Buildings</i> , 2022, 270, 112300.	3.1	2
3957	Do more efficient buildings lead to lower household energy consumption for cooling? Evidence from Guangzhou, China. <i>Energy Policy</i> , 2022, 168, 113119.	4.2	13
3958	Thermal energy storage enhancement of a forced circulation solar water heater's vertical tank unit using phase change material. <i>Applied Thermal Engineering</i> , 2022, 215, 118972.	3.0	6
3959	Study on the performance of solar interfacial evaporation for high-efficiency liquid desiccant regeneration. <i>Energy</i> , 2022, 257, 124721.	4.5	13
3960	Sustainable thin-film condensation with free surface flow through water film network. <i>International Journal of Heat and Mass Transfer</i> , 2022, 196, 123222.	2.5	3
3961	Editable shape-memory transparent wood based on epoxy-based dynamic covalent polymer with excellent optical and thermal management for smart building materials. <i>Cellulose</i> , 2022, 29, 7955-7972.	2.4	12
3962	Evaluation of nonlinear control performance of air handling units under variable operation conditions using root distribution approach. <i>Science and Technology for the Built Environment</i> , 0, , 1-14.	0.8	0
3963	Analysis of a low-temperature small approach open cooling tower integrated with radiant cooling and displacement ventilation for space conditioning in temperate climates. <i>Advances in Building Energy Research</i> , 2022, 16, 754-779.	1.1	0
3964	A multi-stage supervised learning optimisation approach on an aerogel glazing system with stochastic uncertainty. <i>Energy</i> , 2022, 258, 124815.	4.5	9
3965	Experimental and Co-Simulation Performance Evaluation of an Earth-to-Air Heat Exchanger System Integrated into a Smart Building. <i>Energies</i> , 2022, 15, 5407.	1.6	8



#	ARTICLE	IF	CITATIONS
3966	Development of Microclimatic Hvac System for Nano Painted Rooms Using Occupancy Based Regression Controller. SSRN Electronic Journal, 0, , .	0.4	0
3967	Microclimate Monitoring System Design for the Smart Grid Analysis and Constructive Parameters Estimation. IFAC-PapersOnLine, 2022, 55, 479-484.	0.5	1
3968	Quantitative Correlation between Adsorbed and Condensed Water Mass with Response Galvanic Current Detected at the Micron Gap of Galvanic-Coupled Arrays. Chemosensors, 2022, 10, 300.	1.8	4
3969	Development of Eco-Friendly Bricks for Sustainable Construction. IOP Conference Series: Materials Science and Engineering, 2022, 1248, 012109.	0.3	0
3970	A Bibliometric Review on Artificial Intelligence for Smart Buildings. Sustainability, 2022, 14, 10230.	1.6	6
3971	Solar-HVAC Thermal Investigation Utilizing (Cu-AA7075/C6H9NaO7) MHD-Driven Hybrid Nanofluid Rotating Flow via Second-Order Convergent Technique: A Novel Engineering Study. Arabian Journal for Science and Engineering, 2023, 48, 3301-3322.	1.7	16
3972	A novel method for building air conditioning energy saving potential pre-estimation based on thermodynamic perfection index for space cooling. Journal of Asian Architecture and Building Engineering, 2023, 22, 2348-2364.	1.2	11
3973	Use of membrane energy exchanger in ventilation: Odour sensory measurement. Building and Environment, 2022, 222, 109430.	3.0	4
3974	Analysis of the Impact of Flooring Material and Construction Solutions on Heat Exchange with the Ground in a Historic Wooden Building. Energies, 2022, 15, 5924.	1.6	0
3975	Multi-criteria Performance Dynamic Optimization for Heating Operation of Stratum Ventilation Considering Different Metabolic Rates. Arabian Journal for Science and Engineering, 0, , .	1.7	1
3976	Robust and Flexible Multimaterial Aerogel Fabric Toward Outdoor Passive Heating. Advanced Fiber Materials, 2022, 4, 1545-1555.	7.9	23
3977	Determining realistic U-values to substitute default U-values in EPC database to make more representative; a case-study in Ireland. Energy and Buildings, 2022, 274, 112358.	3.1	14
3978	A comprehensive review: Fault detection, diagnostics, prognostics, and fault modeling in HVAC systems. International Journal of Refrigeration, 2022, 144, 283-295.	1.8	27
3979	Enhanced solar modulation ability of smart windows based on hydroxypropyl cellulose mixed with nonionic surfactants. Renewable Energy, 2022, 198, 749-759.	4.3	5
3980	Influence of Gender on Thermal, Air-Movement, Humidity and Air-Quality Perception in Mixed-Mode and Fully Air-Conditioned Offices. Sustainability, 2022, 14, 9722.	1.6	1
3981	Assessment of Energy Efficiency Measuresâ€™ Impact on Energy Performance in the Educational Building of Kazakh-German University in Almaty. Sustainability, 2022, 14, 9813.	1.6	6
3982	Modelling community-scale renewable energy and electric vehicle management for cold-climate regions using machine learning. Energy Strategy Reviews, 2022, 43, 100930.	3.3	35
3983	Comparative analysis of thermal preference prediction performance in different conditions using ensemble learning models based on ASHRAE Comfort Database II. Building and Environment, 2022, 223, 109462.	3.0	7

#	ARTICLE	IF	CITATIONS
3984	Urban heat island reduces annual building energy consumption and temperature related mortality in severe cold region of China. <i>Urban Climate</i> , 2022, 45, 101262.	2.4	8
3985	How can energy saving culture of a company influence energy behaviors and consumptions in its offices? A simulation and optimization model. <i>Journal of Building Engineering</i> , 2022, 58, 105011.	1.6	3
3986	Screening innovative technologies for energy-efficient domestic hot water systems. <i>Journal of Environmental Management</i> , 2022, 320, 115713.	3.8	9
3987	Relationships between building characteristics, urban form and building energy use in different local climate zone contexts: An empirical study in Seoul. <i>Energy and Buildings</i> , 2022, 272, 112335.	3.1	11
3988	Understanding building energy efficiency with administrative and emerging urban big data by deep learning in Glasgow. <i>Energy and Buildings</i> , 2022, 273, 112331.	3.1	19
3989	Influence of distinct input parameters on performance indices of dehumidifier, regenerator and on liquid desiccant-operated evaporative cooling system "A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 168, 112834.	8.2	6
3990	Using neural network in a model-based predictive control loop to enhance energy performance of buildings. <i>Energy Reports</i> , 2022, 8, 1196-1207.	2.5	6
3991	Rapid quantification of demand response potential of building HVAC system via data-driven model. <i>Applied Energy</i> , 2022, 325, 119796.	5.1	8
3992	Experimental evaluation of indirect evaporative cooler with improved heat and mass transfer. <i>Applied Thermal Engineering</i> , 2022, 217, 119152.	3.0	5
3993	Innovative glass-ceramic foams prepared by alkali activation and reactive sintering of clay containing zeolite (zeolite-poor rock) and sawdust for thermal insulation. <i>Journal of Building Engineering</i> , 2022, 59, 105160.	1.6	5
3994	Scalable, large-size, and flexible transparent bamboo. <i>Chemical Engineering Journal</i> , 2023, 451, 138349.	6.6	13
3995	Influence of architectural space layout and building perimeter on the energy performance of buildings: A systematic literature review. <i>International Journal of Energy and Environmental Engineering</i> , 0, , .	1.3	0
3996	FMI real-time co-simulation-based machine deep learning control of HVAC systems in smart buildings: Digital-twins technology. <i>Transactions of the Institute of Measurement and Control</i> , 2023, 45, 661-673.	1.1	2
3997	Heat recovery ventilation design limitations due to LHC for different ventilation strategies in ZEB. <i>Building and Environment</i> , 2022, 224, 109542.	3.0	6
3998	Evaluation of energy-saving retrofits for sunspace of rural residential buildings based on orthogonal experiment and entropy weight method. <i>Energy for Sustainable Development</i> , 2022, 70, 569-580.	2.0	37
3999	Stratified micro-environments using a sidewall air supply: An experimental and simulation study. <i>Building and Environment</i> , 2022, 224, 109558.	3.0	5
4000	Photothermal enhancement of reduced graphene oxide in hydroxypropyl cellulose for a smart-window application. <i>Solar Energy</i> , 2022, 245, 376-384.	2.9	5
4001	Activity and efficiency trends for the residential sector across countries. <i>Energy and Buildings</i> , 2022, 273, 112428.	3.1	15

#	ARTICLE	IF	CITATIONS
4002	Prediction and optimization of thermal comfort, IAQ and energy consumption of typical air-conditioned rooms based on a hybrid prediction model. <i>Building and Environment</i> , 2022, 225, 109576.	3.0	16
4003	The application of solar integrated absorption cooling system to improve the air quality and reduce the energy consumption of the air conditioning systems in buildings – A full year model simulation. <i>Energy and Buildings</i> , 2022, 274, 112420.	3.1	9
4004	Stochastic simulation of occupant-driven energy use in a bottom-up residential building stock model. <i>Applied Energy</i> , 2022, 325, 119890.	5.1	12
4005	Quantifying the impact of personal comfort systems on thermal satisfaction and energy consumption in office buildings under different U.S. climates. <i>Energy and Buildings</i> , 2022, 274, 112448.	3.1	4
4006	Stochastic models for window opening and air-conditioning usage in mixed-mode offices for a humid subtropical climate in Brazil. <i>Building and Environment</i> , 2022, 225, 109579.	3.0	4
4007	Extreme learning machine evolved by fuzzified hunger games search for energy and individual thermal comfort optimization. <i>Journal of Building Engineering</i> , 2022, 60, 105187.	1.6	8
4008	Data-driven Offline Reinforcement Learning for HVAC-systems. <i>Energy</i> , 2022, 261, 125290.	4.5	19
4009	Environmental and energy benefits assessment of alkali-activated concrete (AAC) energy pile. <i>Journal of Building Engineering</i> , 2022, 61, 105282.	1.6	0
4010	A critical review for formulation and conceptualization of an ideal building envelope and novel sustainability framework for building applications. <i>Cleaner Engineering and Technology</i> , 2022, 11, 100555.	2.1	10
4011	Energy and economic potential for photovoltaic systems installed on the rooftop of apartment buildings in Jordan. <i>Results in Engineering</i> , 2022, 16, 100642.	2.2	23
4012	Evaluating the parameters affecting the direct and indirect evaporative cooling systems. <i>Engineering Analysis With Boundary Elements</i> , 2022, 145, 211-223.	2.0	26
4013	Forecast of air-conditioning duration in office buildings in summer using machine learning and Bayesian theories. <i>Journal of Building Engineering</i> , 2022, 61, 105218.	1.6	1
4014	An Optimization Procedure Based On Thermal Discomfort Minimization To Support The Design Of Comfortable Net Zero Energy Buildings. , 2013, , .		8
4015	Implications Of Climate Change And Occupant Behaviour On Future Energy Demand In A Zero Carbon House. , 2013, , .		0
4016	Heat Ventilation And Air Conditioning Modelling For Model Based Fault Detection And Diagnosis. , 2013, , .		1
4017	Energy-Sustainable Hospitals: Integration of a Novel Compound Parabolic Concentrator System with Two Storage Tanks for Domestic Hot Water Production at High and Low Temperatures. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
4018	Thermal Conductance of a Hollow-Core Vacuum Insulated Panel. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
4019	The Share of Energy Consumption by End Use in Electrical Residential Buildings in Jordan. <i>Environmental and Climate Technologies</i> , 2022, 26, 754-766.	0.5	1

#	ARTICLE	IF	CITATIONS
4020	STC Short-Circuit Current Prediction and Simulation of Colored BIPV Modules With Machine Learning and One-Diode Equivalent Circuit Models. IEEE Journal of Photovoltaics, 2022, 12, 1533-1542.	1.5	5
4021	A pilot study of occupant centric control stratum ventilation based on computer vision. E3S Web of Conferences, 2022, 356, 01029.	0.2	1
4022	Occupancy Data Sensing, Collection, and Modeling for Residential Buildings. Green Energy and Technology, 2022, , 103-121.	0.4	0
4023	Biomimicry Influences Architecture and Design: Thinking, Approaches, Levels, Application Types, and Inspiration. , 2022, , 145-206.		0
4024	The Impact of Large Deployment of Distributed Solar Photovoltaic at the Urban Scale on the Building Performance and the Correlation Between Energy Supply and Demand Over the Grid. Green Energy and Technology, 2022, , 19-45.	0.4	0
4025	Concurrent Learning-Based Fault Detection in Closed-Loop HVAC Systems with Inaccessible Control Inputs. IFAC-PapersOnLine, 2022, 55, 341-346.	0.5	0
4026	POWER CONSUMPTION MANAGEMENT SYSTEM (PCMS) IN WIRED NETWORKS USING ADAPTIVE GENETIC ALGORITHM. , 2022, , .		0
4027	A dynamic anomaly detection method of building energy consumption based on data mining technology. Energy, 2023, 263, 125575.	4.5	25
4028	Optimal Energy Forecasting Using Hybrid Recurrent Neural Networks. Intelligent Automation and Soft Computing, 2023, 36, 249-265.	1.6	6
4029	Model Predictive Control of Air Handling Unit for a Single Zone Setup. , 2022, , .		0
4030	Comprehensive energy efficiency study of different climate -adapted BIPV roof forms in single-family houses for five climate zones of China based on PV energy substitution rates (PVESR). IOP Conference Series: Earth and Environmental Science, 2022, 1074, 012005.	0.2	0
4031	Real-time regulation of room temperature based on individual thermal sensation using an online brain-computer interface. Indoor Air, 2022, 32, .	2.0	3
4032	Indoor CO <sub>2</sub> buffering potential of clay-based building materials. IOP Conference Series: Earth and Environmental Science, 2022, 1078, 012135.	0.2	0
4033	Infrared-Reflective Transparent Hyperbolic Metamaterials for Use in Radiative Cooling Windows. Advanced Functional Materials, 2023, 33, .	7.8	21
4034	Energy savings for a junior high school classroom that actively uses daylighting and sensitivity study on the effect of the building envelope thermal performance. Japan Architectural Review, 0, , .	0.4	2
4035	Integrating Machine Learning with Parametric Modeling Environments to Predict Building Daylighting Performance. IOP Conference Series: Earth and Environmental Science, 2022, 1085, 012006.	0.2	0
4036	Digital Twins™ Applications for Building Energy Efficiency: A Review. Energies, 2022, 15, 7002.	1.6	28
4038	Robust and Low-Cost Cascaded-PI Control of Electric Spring Using Filtering Capacitor Current as Minor Current Loop Feedback. Journal of the Institution of Engineers (India): Series B, 0, , .	1.3	0

#	ARTICLE	IF	CITATIONS
4039	Towards selecting the optimized external wall solution in Iran: Comparison between life cycle assessment (LCA), cost benefits, and thermal performance. <i>Building and Environment</i> , 2022, 223, 109532.	3.0	3
4040	Scalable and High-Performance Radiative Cooling Fabrics through an Electrospinning Method. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 45707-45715.	4.0	8
4041	Energy-efficient control of thermal comfort in multi-zone residential HVAC via reinforcement learning. <i>Connection Science</i> , 2022, 34, 2364-2394.	1.8	9
4042	Composition and Role of Lignin in Biochemicals. , 0, , .		1
4043	Building energy flexibility with battery energy storage system: a comprehensive review. , 2022, 1, .		1
4044	Fungal Mycelium Bio-Composite Acts as a CO <sub>2</sub> -Sink Building Material with Low Embodied Energy. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 12099-12106.	3.2	26
4045	Optimal gust wind energy capture using critical tracking frequency for wind turbines. <i>Wind Energy</i> , 2022, 25, 1938-1958.	1.9	0
4046	Theoretical and Experimental Comparisons of Total Solar Transmittance for Polycarbonate Sheet with Twin Wall Rectangular Structure. <i>Applied Mechanics</i> , 2022, 3, 1163-1175.	0.7	0
4047	Determinants of Electricity Consumption of Energy-Vulnerable Group Using Ensemble Gradient-Boosting Algorithm. <i>KSCE Journal of Civil Engineering</i> , 2022, 26, 5010-5021.	0.9	1
4048	Experimental investigation of a hybrid configuration of solar thermal collectors and desiccant indirect evaporative cooling system. <i>Frontiers in Energy Research</i> , 0, 10, .	1.2	4
4049	Influencing of the Building Energy Policies upon the Efficiency of Energy Consumption: The Case of Courthouse Buildings in South Korea. <i>Energies</i> , 2022, 15, 6679.	1.6	5
4050	Wind Catchers: An Element of Passive Ventilation in Hot, Arid and Humid Regions, a Comparative Analysis of Their Design and Function. <i>Sustainability</i> , 2022, 14, 11088.	1.6	6
4051	Evaluaci3n del confort t3rmico y la calidad de aire en centros docentes p3blicos en Madrid. Estudio de tres casos durante un a3o. <i>Informes De La Construcci3n</i> , 2022, 74, e456.	0.1	0
4052	Performance Assessment of a Solar/Gas Driven NH <sub>3</sub> /LiNO <sub>3</sub> Absorption Cooling System for Malls. <i>Lecture Notes in Mechanical Engineering</i> , 2023, , 311-328.	0.3	1
4053	Parametric Performance Analysis of the Cooling Potential of Earth-to-Air Heat Exchangers in Hot and Humid Climates. <i>Energies</i> , 2022, 15, 7054.	1.6	2
4054	Evaluating and Identifying Climatic Design Features in Traditional Iranian Architecture for Energy Saving (Case Study of Residential Architecture in Northwest of Iran). <i>Complexity</i> , 2022, 2022, 1-12.	0.9	4
4055	A review of the development of colored radiative cooling surfaces. <i>Carbon Capture Science &amp; Technology</i> , 2022, 4, 100066.	4.9	9
4056	Circular supplier selection in the construction industry: A sustainability perspective for the emerging economies. , 2022, 1, 100005.		17

#	ARTICLE	IF	CITATIONS
4057	Sustainability performance of space-cooling technologies and approaches. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 9017-9042.	1.2	7
4058	Energy saving potential in open museum spaces: A comparative hygrothermal microclimates analysis. Building and Environment, 2022, 225, 109639.	3.0	3
4059	Comparison and analysis of energy loss and flow characteristics of T-junctions via secondary flow and entropy production. Building and Environment, 2022, 225, 109635.	3.0	9
4060	Using an ensemble learning framework to predict residential energy consumption in the hot and humid climate of Iran. Energy Reports, 2022, 8, 12327-12347.	2.5	2
4061	Analysis of input parameters for deep learning-based load prediction for office buildings in different climate zones using eXplainable Artificial Intelligence. Energy and Buildings, 2022, 276, 112521.	3.1	16
4062	Non-invasive thermal energy flow rate sensor for turbulent pipe flows. Flow Measurement and Instrumentation, 2022, 88, 102236.	1.0	0
4063	Optimal Thermostatically Controlled Loads Coordination Under Stochastic Renewable Energy. , 2022, , .		0
4064	Analyzing the Multiscale Impacts of Implementing Energy-Efficient HVAC Improvements Through Energy Audits and Economic Inputâ€“Output Analysis. Journal of Energy Resources Technology, Transactions of the ASME, 2023, 145, .	1.4	4
4065	A SCIENCE MAPPING APPROACH BASED REVIEW OF MODEL PREDICTIVE CONTROL FOR SMART BUILDING OPERATION MANAGEMENT. Journal of Civil Engineering and Management, 2022, 28, 661-679.	1.9	2
4066	Interaction between a Cyclically Heated Building and the Ground, for Selected Locations in Europe. Energies, 2022, 15, 7493.	1.6	2
4067	Investigative Study on Adaptive Thermal Comfort in Office Buildings with Evaporative Cooling Systems (ECS) under Dry Hot Climate. Buildings, 2022, 12, 1827.	1.4	2
4068	The Applicability of Biogeography-Based Optimization and Earthworm Optimization Algorithm Hybridized with ANFIS as Reliable Solutions in Estimation of Cooling Load in Buildings. Energies, 2022, 15, 7323.	1.6	5
4069	CFD Simulation Supported Development of Wind Catcher Shape Topology in a Passive Air Conduction System (PACS). Buildings, 2022, 12, 1583.	1.4	2
4070	Effect of Compressor-Discharge-Cooler Heat-Exchanger Length Using Condensate Water on the Performance of a Split-Type Air Conditioner Using R32 as Working Fluid. Energies, 2022, 15, 8024.	1.6	1
4071	Regulating Monolayer Aligned Silver Nanowire Coatings for Energy-Saving Windows. Coatings, 2022, 12, 1552.	1.2	0
4072	Dynamic Electro-, Mechanochromic Materials and Structures for Multifunctional Smart Windows. , 2023, , 73-97.		0
4073	Simplified Energy Model and Multi-Objective Energy Consumption Optimization of a Residential House. Applied Sciences (Switzerland), 2022, 12, 10212.	1.3	3
4074	Energy and comfort. The historical evolution of the faÃ§ade in Western Architecture. VLC Architectura, 2022, 9, 179-200.	0.1	0

#	ARTICLE	IF	CITATIONS
4075	Science mapping the knowledge domain of energy performance research in the AEC industry: A scientometric analysis. <i>Energy</i> , 2023, 264, 125938.	4.5	5
4076	Performance enhancement and life cycle analysis of a novel solar HVAC system using underground water and energy recovery technique. <i>Thermal Science and Engineering Progress</i> , 2022, 36, 101515.	1.3	1
4077	Bio-solar green roofs increase solar energy output: The sunny side of integrating sustainable technologies. <i>Building and Environment</i> , 2022, 226, 109703.	3.0	12
4078	MyComfort: An integration of BIM-IoT-machine learning for optimizing indoor thermal comfort based on user experience. <i>Energy and Buildings</i> , 2022, 277, 112547.	3.1	10
4079	Octadecane filled bubble wrap as phase change material layers to smooth temperature variations of buildings during summer time. An experimental study. <i>Energy and Buildings</i> , 2022, 277, 112568.	3.1	3
4080	Adaptive thermal comfort approach to save energy in tropical climate educational building by artificial intelligence. <i>Energy</i> , 2023, 263, 125706.	4.5	9
4081	Connecting Dwellers to Building Performance and Weather Data through Sustainable Automation Systems. , 2013, , .		1
4082	Validated Cfd Study Of Indoor Environmental Conditions In A Highly Glazed, Cross-ventilated Meeting Room. , 2013, , .		0
4083	HVAC-Aware Occupancy Scheduling. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2015, 29, .	3.6	7
4084	Control and Informatics for Demand Response And Renewables Integration. , 2022, , 193-212.		0
4085	Ontology-Based Expert System for Automated Monitoring of Building Energy Systems. <i>Journal of Computing in Civil Engineering</i> , 2023, 37, .	2.5	2
4086	Numerical simulation of turbulent coupled heat transfer in a Trombe wall subjected to periodic thermal excitations. <i>Energy and Buildings</i> , 2023, 278, 112631.	3.1	4
4087	Experimental study on radiant cooling with double-skin infrared-transparent membranes. <i>Energy and Buildings</i> , 2023, 278, 112654.	3.1	7
4088	Evaluation of Machine Learning Algorithms for Demand Response Potential Forecasting. , 2017, , .		2
4089	Real-Time Assessment of Human Thermal Comfort Using Image Recognition in Conjunction with a Detailed Numerical Human Model. , 2017, , .		4
4090	Time Delay Estimation for Indoor Temperature Prediction by Weather Conditions. , 2022, , .		1
4091	Indoor Thermal and Ventilation Indicator on University Studentsâ€™ Overall Comfort. <i>Buildings</i> , 2022, 12, 1921.	1.4	6
4092	Comparing the performance of four shading strategies based on a multi-objective genetic algorithm: A case study in a university library. <i>Journal of Building Engineering</i> , 2023, 63, 105532.	1.6	2

#	ARTICLE	IF	CITATIONS
4093	Dual-Responsive Hydrogels with Three-Stage Optical Modulation for Smart Windows. ACS Applied Materials & Interfaces, 2022, 14, 53314-53322.	4.0	7
4094	Application of Spatial Analysis to Determine the Effect of Insulation Thickness on Energy Efficiency and Cost Savings for Cold Storage. Processes, 2022, 10, 2393.	1.3	4
4095	Sustainable Buildings: Heating, Ventilation, and Air-Conditioning. Energies, 2022, 15, 8208.	1.6	0
4096	Solar and Thermal Radiation-Modulation Materials for Building Applications. Advanced Energy Materials, 2023, 13, .	10.2	13
4097	Experimental study on a phase change cooling garment to improve thermal comfort of factory workers. Building and Environment, 2023, 227, 109819.	3.0	7
4098	Thermal effects of dew on cool roofs and conventional roofs in building performance simulations. Energy and Buildings, 2023, 279, 112645.	3.1	3
4099	Impact of Dynamic Slab Insulation on Energy Performance of Residential Buildings. ASME Journal of Engineering for Sustainable Buildings and Cities, 0, , 1-33.	0.6	0
4100	Design and experimental study of an outdoor portable thermoelectric air-conditioning system. Applied Thermal Engineering, 2023, 219, 119471.	3.0	5
4101	Developing a Smart Grid System in the UAE: Challenges and Opportunities. Buildings, 2022, 12, 1863.	1.4	1
4102	Demand-controlled ventilation in educational buildings: Energy efficient but is it resilient?. Building and Environment, 2022, 226, 109778.	3.0	8
4103	Modelling and analysis of a renewable energy-driven climate-controlled sustainable greenhouse for hot and arid climates. Energy Conversion and Management, 2022, 273, 116412.	4.4	10
4104	A hybrid energy-saving prediction model based on SSA-DNN for district heating system. Advances in Building Energy Research, 0, , 1-23.	1.1	0
4105	Study of the experimental performance of dew point evaporative cooling arrangement for modified fluid flow passages. Frontiers in Mechanical Engineering, 0, 8, .	0.8	0
4106	Eigen-Entropy: A metric for multivariate sampling decisions. Information Sciences, 2023, 619, 84-97.	4.0	1
4107	Adaptive Linear Grey-Box Models for Model Predictive Controller of Residential Buildings. E3S Web of Conferences, 2022, 362, 12001.	0.2	0
4108	Non-invasive measurements of thermal discomfort for thermal preference prediction based on occupants' adaptive behavior recognition. Building and Environment, 2023, 228, 109889.	3.0	4
4109	Deploying data driven applications in smart buildings: Overcoming the initial onboarding barrier using machine learning. Energy and Buildings, 2023, 279, 112699.	3.1	2
4110	The viability of double-skin facade systems in the 21st century: A systematic review and meta-analysis of the nexus of factors affecting ventilation and thermal performance, and building integration. Building and Environment, 2023, 228, 109870.	3.0	8



#	ARTICLE	IF	CITATIONS
4111	Three-dimensional numerical analysis of fin-tube desiccant-coated heat exchanger for air dehumidification in tropics. Applied Energy, 2023, 331, 120346.	5.1	8
4112	Energy-sustainable hospitals: Integration of a novel compound parabolic concentrator system with two storage tanks for domestic hot water production at high and low temperatures. Applied Thermal Engineering, 2023, 221, 119773.	3.0	11
4113	Space-filling single square and square fractal grids induced turbulence: Reynolds stress model parameters-optimization. Results in Engineering, 2023, 17, 100806.	2.2	3
4114	Optimized deep learning-based prediction model for chiller performance prediction. Data and Knowledge Engineering, 2023, 144, 102120.	2.1	2
4115	Energy efficiency in shared buildings: Quantification of the potential at multiple scales. Energy Reports, 2023, 9, 84-95.	2.5	4
4116	Soil Nature Effect Investigation on the Ground-to-Air Heat Exchanger for the Passive Cooling of Rooms. Open Journal of Fluid Dynamics, 2022, 12, 321-341.	0.3	0
4117	Comparative LSTM and SVM Machine Learning Approaches for Energy Consumption Prediction: Case Study in Akmola. , 2022, , .		2
4118	Simulation Method for Energy Estimation of Variable Speed Pump for Heating System. , 2022, , .		0
4119	Increasing the Efficiency of HVAC Systems using Schedule-Based Control. , 2022, , .		0
4120	Konutlardaki Elektrikli Cihazların Evrişimli Sınır Aşımı ile Otomatik Sıvı ve Gaz Akışları. Gazi Üni. Fen Bilimleri Dergisi, 0, , .	0,2	0
4121	Photovoltaics as an Energetic Solution for a Commercial Building. , 2022, , .		0
4122	Designing facade and envelope for a high-rise residential building using energy-efficient materials: A case in Istanbul, Turkey. IOP Conference Series: Earth and Environmental Science, 2022, 1101, 022020.	0.2	0
4123	HVAC multivariable system modelling and control. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622211388.	1.1	0
4124	Multiscale cellulose-based fireproof and thermal insulation gel materials with water-regulated forms. Nano Research, 0, , .	5.8	0
4125	Recent Progress in Liquid Crystal-Based Smart Windows: Materials, Structures, and Design. Laser and Photonics Reviews, 2023, 17, .	4.4	23
4126	Active Soil Filter System for Indoor Air Purification in School Classrooms. International Journal of Environmental Research and Public Health, 2022, 19, 15666.	1.2	3
4127	Building energy benchmarking in India. , 2022, , .		0
4128	Short-Term Regional Temperature Prediction Based on Deep Spatial and Temporal Networks. Atmosphere, 2022, 13, 1948.	1.0	5

#	ARTICLE	IF	CITATIONS
4129	Effect of input parameters on energy requirements of phase change material integrated local heating system: a case study. <i>Heat and Mass Transfer</i> , 0, , .	1.2	1
4130	Microstructural Investigations of VO <sub>2</sub> Thermochromic Thin Films Grown by Pulsed Laser Deposition for Smart Windows Applications. <i>Inorganics</i> , 2022, 10, 220.	1.2	2
4131	A Review of Data-Driven Approaches and Techniques for Fault Detection and Diagnosis in HVAC Systems. <i>Sensors</i> , 2023, 23, 1.	2.1	9
4132	The Effectiveness of a Simulation Model of Thermal Insulation in Building Materials Using Cellulose Extracted from Agricultural Waste in Baghdad. <i>Engineering Journal</i> , 2022, 28, 1-17.	0.3	1
4133	An Investigation to Reduce Electricity Bills using Inverter AC in Pakistan. <i>Sir Syed Research Journal of Engineering &amp; Technology</i> , 2022, 12, 07-12.	0.2	0
4134	Extraction and Performance Analysis of Hydrocarbons from Waste Plastic Using the Pyrolysis Process. <i>Energies</i> , 2022, 15, 9381.	1.6	2
4135	Invisible walls: Exploration of microclimate effects on building energy consumption in New York City. <i>Sustainable Cities and Society</i> , 2023, 90, 104364.	5.1	9
4136	The development of ultralightweight expanded perlite-based thermal insulation panel using alkali activator solution. <i>Frontiers of Structural and Civil Engineering</i> , 0, , .	1.2	0
4137	Steady-state performance assessment and geometrical optimization of packed-bed liquid desiccant air dehumidification systems. <i>Thermal Science and Engineering Progress</i> , 2023, 38, 101626.	1.3	1
4138	Active Optimization of Chilled Water Pump Running Number: Engineering Practice Validation. <i>Sustainability</i> , 2023, 15, 96.	1.6	1
4139	Effects of correlated color temperature of light on thermal comfort, thermophysiology and cognitive performance. <i>Building and Environment</i> , 2023, 231, 109944.	3.0	8
4140	Dual-band electrochromic materials for energy-saving smart windows. , 2023, 2, 4-27.		11
4141	In Situ Opto-Hydrodynamic Characterization of Lubricant-Infused Surface Degradation. <i>Langmuir</i> , 2023, 39, 367-376.	1.6	2
4142	Model free optimization of building cooling water systems with refined action space. <i>Building Simulation</i> , 2023, 16, 615-627.	3.0	3
4143	Overheating and energy use in urban office buildings in a warming climate. <i>Japan Architectural Review</i> , 2023, 6, .	0.4	0
4144	Feasibility of Harris Hawks Optimizations in Combination with Fuzzy Inference System Predicting Heating Load Energy Inside Buildings. <i>Energies</i> , 2022, 15, 9187.	1.6	4
4145	Analysis of Residential Buildings in Poland for Potential Energy Renovation toward Zero-Emission Construction. <i>Energies</i> , 2022, 15, 9327.	1.6	5
4146	Data driven fault detection and diagnostics for hydronic and monitoring systems in a residential building. <i>Journal of Physics: Conference Series</i> , 2022, 2385, 012012.	0.3	2

#	ARTICLE	IF	CITATIONS
4147	Detection and Diagnosis of Multiple-Dependent Faults (MDFDD) of Water-Cooled Centrifugal Chillers Using Grey-Box Model-Based Method. <i>Energies</i> , 2023, 16, 210.	1.6	4
4148	An empirical model for assessing consumer behaviour towards hotel sustainable practices: a study from emerging economy. <i>Competitiveness Review</i> , 2023, 33, 222-239.	1.8	2
4149	The Thermal Responses between Young Adults and Preschool Children in a Radiant Floor Heating Environment. <i>Buildings</i> , 2022, 12, 2234.	1.4	1
4150	Estimation of Occupancy Using IoT Sensors and a Carbon Dioxide-Based Machine Learning Model with Ventilation System and Differential Pressure Data. <i>Sensors</i> , 2023, 23, 585.	2.1	4
4151	A novel information gap decision theory-based demand response scheduling for a smart residential community considering deep uncertainties. <i>IET Generation, Transmission and Distribution</i> , 2023, 17, 1383-1399.	1.4	2
4152	Emerging Materials and Strategies for Passive Daytime Radiative Cooling. <i>Small</i> , 2023, 19, .	5.2	23
4153	Hygrothermal Study of a House Made of Local Biosourced Materials Based on Clay: Experimental Study. <i>Open Journal of Applied Sciences</i> , 2023, 13, 60-75.	0.2	0
4154	Mock-up experimental study on the performance of a combined cooling-domestic hot water-ground source heat pump system. <i>Building Services Engineering Research and Technology</i> , 0, , 014362442211483.	0.9	0
4155	Bioinspired hollow porous fibers with low emissivity and conductivity aluminum platelet skin for thermal insulation. <i>Journal of Materials Chemistry A</i> , 2023, 11, 1704-1711.	5.2	2
4156	A Feasibility Study on CHP Systems for Hotels in the Maltese Islands: A Comparative Analysis Based on Hotels' Star Rating. <i>Sustainability</i> , 2023, 15, 1337.	1.6	3
4157	Portable Prototype of Hydrogen Fuel Cells for Educational Training. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 608.	1.3	1
4158	Numerical investigation of a novel tubular dew-point evaporative cooler. <i>Applied Thermal Engineering</i> , 2023, 223, 120064.	3.0	3
4159	Ecological and Carbon Footprints of Cities. , 2023, , .		4
4160	Experimental and numerical evaluation of a novel dual-channel windcatcher with a rotary scoop for energy-saving technology integration. <i>Building and Environment</i> , 2023, 230, 110018.	3.0	4
4161	Influence of built environment on building energy consumption: a case study in Nanjing, China. <i>Environment, Development and Sustainability</i> , 2024, 26, 5199-5222.	2.7	8
4162	Optimization of an office building form using a lattice incubate boxes method. <i>Advanced Engineering Informatics</i> , 2023, 55, 101847.	4.0	4
4163	Review on Mechanoresponsive Smart Windows: Structures and Driving Modes. <i>Materials</i> , 2023, 16, 779.	1.3	1
4164	The investigation of optical and photocatalytic properties in Dy <sub>2</sub> M <sub>2</sub> O <sub>7</sub> (M= Hf, Zr and Ce) . <i>Revista Mexicana De Física</i> , 2023, 69, .	0.2	0

#	ARTICLE	IF	CITATIONS
4165	Dynamic analysis of the heat theft issue for residential buildings. <i>Energy and Buildings</i> , 2023, 282, 112790.	3.1	1
4166	Design and experimental analysis of energy-saving and heat storage of a hot water tank based on the source-sink matching principle. <i>Case Studies in Thermal Engineering</i> , 2023, 41, 102672.	2.8	2
4167	Performance comparison and suitable climatic zones of three water-mediated evaporative cooling technologies. <i>Energy Conversion and Management</i> , 2023, 277, 116637.	4.4	3
4168	A critique on the UK's net zero strategy. <i>Sustainable Energy Technologies and Assessments</i> , 2023, 56, 103003.	1.7	0
4169	Integration of IoT in building energy infrastructure: A critical review on challenges and solutions. <i>Renewable and Sustainable Energy Reviews</i> , 2023, 174, 113121.	8.2	14
4170	Determinants of energy efficient retrofits in residential sector: A comprehensive analysis. <i>Energy and Buildings</i> , 2023, 282, 112801.	3.1	11
4171	Multi-objective optimization of heating operation of stratum ventilation under different clothing insulations using Taguchi method, RSM, and SPA-TOPSIS. <i>International Journal of Thermal Sciences</i> , 2023, 186, 108124.	2.6	3
4172	Thermal sensation and occupancy-based cooperative control method for multi-zone VAV air-conditioning systems. <i>Journal of Building Engineering</i> , 2023, 66, 105859.	1.6	1
4173	Turning up the heat: The impact of indoor temperature on selected cognitive processes and the validity of self-report. <i>Judgment and Decision Making</i> , 2021, 16, 766-795.	0.8	0
4174	Evaluating Sustainability Aspects of Housing in UNESCO world heritage city of Yazd Case Study: Lariha House. <i>Aurum Mühendislik Sistemleri Ve Mimarlık Dergisi</i> , 0, , .	0.3	0
4175	Scheduling for Multiple HVAC Systems with Electrical Power Allocation. , 2022, , .		0
4176	Energy Efficiency in Buildings Using Multivariate Extreme Gradient Boosting. , 2022, , .		1
4177	Experimental study of heat transfer characteristics of phase change material-filled glazed windows. <i>Materials Today: Proceedings</i> , 2022, , .	0.9	0
4178	Assessment of thermal loading in energy-efficient buildings: parametric review on the window design aspects. <i>Journal of Thermal Analysis and Calorimetry</i> , 2023, 148, 2703-2718.	2.0	5
4179	Targeted reduction of airborne viral transmission risk in long-term residential aged care. <i>Age and Ageing</i> , 2022, 51, .	0.7	4
4180	Valorization of the Recovered Lime in Cement-Typha Concretes: Thermal and Mechanical Behavior. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2022, , 267-276.	0.2	0
4181	On the Performance of Diffuse Ceiling Ventilation in Classrooms: A Pre-Occupancy Study at a School in Southern Sweden. <i>Sustainability</i> , 2023, 15, 2546.	1.6	1
4182	Material Selection for Ornamental Products Based on Carbon Footprint and Embodied Water. <i>Smart Innovation, Systems and Technologies</i> , 2023, , 213-222.	0.5	0

#	ARTICLE	IF	CITATIONS
4183	Multi-framework-based approach for optimizing dwelling conditions and energy efficiency in subtropical climatic conditions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2023, 148, 3535-3554.	2.0	1
4184	Nature-Inspired Solar-Thermal Gradient Reduced Graphene Oxide Aerogel-based Bilayer Phase Change Composites for Self-Adaptive Personal Thermal Management. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	23
4185	Modelling and Simulation of Residential Load Profiles as an Approach for Data-Driven Prediction. <i>European Journal of Education and Pedagogy</i> , 2023, 8, 59-65.	0.2	0
4186	Effect of changes in the internal shape of the evaporator on the performance characteristics of the household refrigerator. <i>Journal of Mechanical Science and Technology</i> , 2023, 37, 739-747.	0.7	0
4187	Multicriteria Design and Operation Optimization of a Solar-Assisted Geothermal Heat Pump System. <i>Energies</i> , 2023, 16, 1266.	1.6	0
4188	Mandated temperature levels in the European building stock - how low can you go?. <i>Science and Technology for the Built Environment</i> , 2023, 29, 1-3.	0.8	0
4189	Study of Energy Saving Using Silica Aerogel Insulation in a Residential Building. <i>Gels</i> , 2023, 9, 86.	2.1	6
4190	An Automated Space-Based Graph Generation Framework for Building Energy Consumption Estimation. <i>Buildings</i> , 2023, 13, 350.	1.4	2
4191	Single-Point and Surface Quality Assessment Algorithm in Continuous Production with the Use of 3D Laser Doppler Scanning Vibrometry System. <i>Sensors</i> , 2023, 23, 1263.	2.1	18
4192	Multilayered optofluidics for sustainable buildings. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	4
4193	Field Test and Evaluation of VRF System. , 2023, , 169-221.		0
4194	Thermal and Acoustic Performance of Green Polyethylene/Cork Composite for Civil Construction Applications. <i>Materials Research</i> , 0, 26, .	0.6	2
4195	The influences of the plate shape on the performance of the indirect evaporative cooler based on the CFD approach. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2023, 45, .	0.8	3
4196	Optimization of top-floor rooms coupling cool roofs, natural ventilation and solar shading for residential buildings in hot-summer and warm-winter zones. <i>Journal of Building Engineering</i> , 2023, 66, 105933.	1.6	4
4197	Methods of Assessing Thermal Performance of Buildings. <i>Lecture Notes in Civil Engineering</i> , 2023, , 41-52.	0.3	0
4198	Synergic effect of recycled paper sludge and expanded perlite on the engineering properties of porous clay bricks: A new mathematical modelling approach. <i>Construction and Building Materials</i> , 2023, 370, 130450.	3.2	4
4199	The impact of personal preference-based thermal control on energy use and thermal comfort: Field implementation. <i>Energy and Buildings</i> , 2023, 284, 112848.	3.1	11
4200	Engineering design of optimized reinforced concrete floor grillages. <i>Structures</i> , 2023, 51, 1292-1304.	1.7	2

#	ARTICLE	IF	CITATIONS
4201	Development and strength prediction of sustainable concrete having binary and ternary cementitious blends and incorporating recycled aggregates from demolished UAE buildings: Experimental and machine learning-based studies. <i>Construction and Building Materials</i> , 2023, 380, 131278.	3.2	13
4202	Fabrication and thermophysical characterization of microencapsulated stearyl alcohol as thermal energy storage material. <i>AEJ - Alexandria Engineering Journal</i> , 2023, 71, 645-658.	3.4	1
4203	An enhanced principal component analysis method with Savitzky-Golay filter and clustering algorithm for sensor fault detection and diagnosis. <i>Applied Energy</i> , 2023, 337, 120862.	5.1	13
4204	An adaptive neural fuzzy interface structure optimisation for prediction of energy consumption and airflow of a ventilation system. <i>Applied Energy</i> , 2023, 337, 120879.	5.1	4
4205	Retrofitting buildings with Phase Change Materials (PCM) – The effects of PCM location and climatic condition. <i>Building and Environment</i> , 2023, 236, 110224.	3.0	8
4206	Data-driven predictive control for smart HVAC system in IoT-integrated buildings with time-series forecasting and reinforcement learning. <i>Applied Energy</i> , 2023, 338, 120936.	5.1	37
4207	Experimental investigations of flow and thermal behavior of wall confluent jets as a heating device for large-space enclosures. <i>Building and Environment</i> , 2023, 236, 110282.	3.0	0
4208	Research on indoor thermal comfort and energy consumption of zero energy wooden structure buildings in severe cold zone. <i>Journal of Building Engineering</i> , 2023, 67, 105965.	1.6	2
4209	Synergistic effect of fibres on the physical, mechanical, and microstructural properties of aerogel-based thermal insulating renders. <i>Cement and Concrete Composites</i> , 2023, 139, 105045.	4.6	6
4210	Evaluating the energy-saving potential of earth-air heat exchanger (EAHX) for Passivhaus standard buildings in different climates in China. <i>Energy and Buildings</i> , 2023, 288, 113005.	3.1	5
4211	Priority Weight-Based Systems to Predict Energy Consumption Behavior in Residential Buildings. <i>Journal of Architectural Engineering</i> , 2023, 29, .	0.8	1
4212	Analysis on the energy efficiency, thermal performance and infection intervention characteristics of interactive cascade ventilation (ICV). <i>Journal of Building Engineering</i> , 2023, 68, 106045.	1.6	1
4213	Thermal Comfort in Buildings: Scientometric Analysis and Systematic Review. <i>Journal of Architectural Engineering</i> , 2023, 29, .	0.8	1
4214	Predicting the energy consumption in buildings using the optimized support vector regression model. <i>Energy</i> , 2023, 273, 127188.	4.5	12
4215	A control strategy of heating system based on adaptive model predictive control. <i>Energy</i> , 2023, 273, 127192.	4.5	4
4216	Comparison of reinforcement learning and model predictive control for building energy system optimization. <i>Applied Thermal Engineering</i> , 2023, 228, 120430.	3.0	13
4217	Reinforcement learning building control approach harnessing imitation learning. <i>Energy and AI</i> , 2023, 14, 100255.	5.8	5
4218	Performance analysis of water flow window systems with thermal energy storage tank includes phase change material in autumn season. <i>Journal of Building Engineering</i> , 2023, 70, 106281.	1.6	1

#	ARTICLE	IF	CITATIONS
4219	Magnetic refrigeration: Current progress in magnetocaloric properties of perovskite manganite materials. <i>Materials Today Communications</i> , 2023, 35, 105988.	0.9	5
4220	A laboratory test of an Offline-trained Multi-Agent Reinforcement Learning Algorithm for Heating Systems. <i>Applied Energy</i> , 2023, 337, 120807.	5.1	2
4221	Physical properties and thermal conductivity of cork-based sandwich panels for building insulation. <i>Construction and Building Materials</i> , 2023, 368, 130420.	3.2	11
4222	Occupant behavior effects on energy-saving measures and thermal comfort in severe cold areas. <i>Energy for Sustainable Development</i> , 2023, 73, 1-12.	2.0	3
4223	Combining ICESat-2 photons and Google Earth Satellite images for building height extraction. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2023, 117, 103213.	0.9	1
4224	Experimental study on heating performance of air source heat pump fresh air unit with fresh air and return air mixing in severe cold regions. <i>Energy and Buildings</i> , 2023, 283, 112839.	3.1	5
4225	Establishment of a Thermal Comfort Model for Young Adults with Physiological Parameters in Cold and Hot Stimulation. <i>Sustainability</i> , 2023, 15, 2667.	1.6	1
4226	Improving building thermal comfort through passive design – An experimental analysis of phase change material 3D printed concrete. <i>Journal of Cleaner Production</i> , 2023, 392, 136247.	4.6	10
4227	A Review on Adaptive Thermal Comfort of Office Building for Energy-Saving Building Design. <i>Energies</i> , 2023, 16, 1524.	1.6	19
4228	A Review on Optimal Energy Management in Commercial Buildings. <i>Energies</i> , 2023, 16, 1609.	1.6	15
4229	Energy-Use and Indoor Thermal Performance in Junior High School Building after Air-Conditioning Installation with the Private Finance Initiative. <i>Buildings</i> , 2023, 13, 455.	1.4	1
4230	Gradient Variation Oxygen-Content Vanadium–Oxygen Composite Films with Enhanced Crystallinity and Excellent Durability for Smart Windows. <i>ACS Applied Materials &amp; Interfaces</i> , 2023, 15, 9401-9411.	4.0	8
4231	An RGB-D camera-based indoor occupancy positioning system for complex and densely populated scenarios. <i>Indoor and Built Environment</i> , 2023, 32, 1198-1212.	1.5	4
4232	Sensitivity Analysis of Factors Influencing Rural Housing Energy Consumption in Different Household Patterns in the Zhejiang Province. <i>Buildings</i> , 2023, 13, 463.	1.4	3
4233	Real-time model predictive cooling control for an HVAC system in a factory building. <i>Energy and Buildings</i> , 2023, 285, 112860.	3.1	7
4234	Improving training efficiency for scalable automated fault detection and diagnosis in chilled water plants by transfer learning. <i>Energy and Buildings</i> , 2023, 285, 112877.	3.1	2
4235	Research on systematic analysis and optimization method for chillers based on model predictive control: A case study. <i>Energy and Buildings</i> , 2023, 285, 112916.	3.1	5
4236	Implementación de medidas de eficiencia energética para la construcción factible de un refrigerador comercial con suministro de energía solar fotovoltaica. <i>Ciencia E Ingeniería Neogranadina</i> , 2022, 32, 61-84.	0.1	0

#	ARTICLE	IF	CITATIONS
4237	How circular economy can reduce scope 3 carbon footprints: Lessons learned from FIFA world cup Qatar 2022. , 2023, 2, 100026.		3
4238	MAQMC: Multi-Agent Deep Q-Network for Multi-Zone Residential HVAC Control. CMES - Computer Modeling in Engineering and Sciences, 2023, 136, 2759-2785.	0.8	0
4239	Indoor Air Sensing: A Study in Cost, Energy, Reliability and Fidelity in Sensing. Sensing and Imaging, 2023, 24, .	1.0	0
4240	Mapping Knowledge Domain to Analyze the Building Information Modeling on Building Energy Saving Based on Visualized Analysis Method. Advances in Civil Engineering, 2023, 2023, 1-10.	0.4	0
4241	Experimental Study of the Model Predictive Control for a Residential Split Air Conditioner. E-Prime, 2023, 3, 100099.	2.1	2
4242	A Meta-Synthesis Review of Occupant Comfort Assessment in Buildings (2002â€“2022). Sustainability, 2023, 15, 4303.	1.6	3
4243	Performance investigation of solar assisted desiccant integrated Maisotsenko cycle cooler in subtropical climate conditions. Case Studies in Thermal Engineering, 2023, 44, 102864.	2.8	7
4244	Statistical analysis of the compositions of insulating plasters with aerogel. , 2023, , .		0
4245	Defect-Density-Controlled Phase-Change Phenomena. ACS Applied Materials & Interfaces, 0, , .	4.0	1
4246	Eventâ€“triggered distributed model predictive control scheme for temperature regulation in multiâ€“zone air conditioning systems with improved indoor thermal preference indicator. International Journal of Adaptive Control and Signal Processing, 2023, 37, 1389-1409.	2.3	3
4247	HVAC Optimal Control Based on the Sensitivity Analysis: An Improved SA Combination Method Based on a Neural Network. CMES - Computer Modeling in Engineering and Sciences, 2023, 136, 2741-2758.	0.8	0
4248	Investigating the Influence of Thermal Conductivity and Thermal Storage of Lightweight Concrete Panels on the Energy and Thermal Comfort in Residential Buildings. Buildings, 2023, 13, 720.	1.4	8
4249	Synergistic Effect of J-Shape Airfoil on the Performance of Darrieus-Type Straight-Bladed Vertical Axis Wind Turbine. Journal of Energy Resources Technology, Transactions of the ASME, 2023, 145, .	1.4	1
4250	Thermal bridges in buildings of consolidated contexts in high-altitude cities. Case study: Ambato, Ecuador. IOP Conference Series: Earth and Environmental Science, 2023, 1141, 012006.	0.2	0
4251	Impregnation of Norway spruce with low melting-point binary fatty acid as a phase-change material. Wood Material Science and Engineering, 2023, 18, 1755-1764.	1.1	3
4253	Highly transparent silanized cellulose aerogels for boosting energy efficiency of glazing in buildings. Nature Energy, 2023, 8, 381-396.	19.8	34
4254	Development and Integration of Biomass and Concentrating Photovoltaic System for Rural and Urban Areas. , 2022, , .		0
4255	Identifying the Most Efficient Natural Fibre for Common Commercial Building Insulation Materials with an Integrated PSI, MEREC, LOPCOW and MCRAT Model. Polymers, 2023, 15, 1500.	2.0	17



#	ARTICLE	IF	CITATIONS
4256	Novel lightweight Portland Pozzolana cement (PPC) stabilized mud composites using crumb rubber & agricultural waste: physico-mechanical and thermal performance. <i>Materials Today: Proceedings</i> , 2023, , .	0.9	0
4257	Preparation of lightweight ceramsite from remediated soil, waste glass and ceramics. <i>International Journal of Low-Carbon Technologies</i> , 2023, 18, 348-353.	1.2	0
4258	Strategies to save energy in the context of the energy crisis: a review. <i>Environmental Chemistry Letters</i> , 2023, 21, 2003-2039.	8.3	59
4259	Phase change materials applications in buildings. , 2023, , 225-248.		0
4260	Accelerating Optimal Control Strategy Generation for HVAC Systems Using a Scenario Reduction Method: A Case Study. <i>Energies</i> , 2023, 16, 2988.	1.6	2
4261	Holistic yield modeling, top-down loss analysis, and efficiency potential study of thin-film solar modules. <i>Communications Physics</i> , 2023, 6, .	2.0	0
4262	Theoretical studies of air losses of air heat exchanger of indirect-evaporative type of livestock rooms. <i>Machinery &amp; Energetics</i> , 2021, 12, .	0.1	1
4263	Energy-Efficient Approaches for a Machine Tool Building in a University through Field Measurement and Energy Modelling. <i>Energy Engineering: Journal of the Association of Energy Engineers</i> , 2023, 120, 1387-1399.	0.3	0
4264	Optimization of the Thermal Environment of Large-Scale Open Space with Subzone-Based Temperature Setting Using BEM and CFD Coupling Simulation. <i>Energies</i> , 2023, 16, 3214.	1.6	2
4265	Experimental study on performance of different local radiant cooling schemes. <i>International Journal of Refrigeration</i> , 2023, 151, 241-252.	1.8	2
4266	Analysis of Electricity and Water Consumption in Existing Mosque Buildings in the UAE. <i>Buildings</i> , 2023, 13, 1007.	1.4	2
4267	Makina ĀĀrenmesi ile pencere parametrelerinin bina performansĀ±na etkisinin iklim deĀĀiĀĀikliĀĀi gĀĀzetilerek incelenmesi. <i>Journal of the Faculty of Engineering and Architecture of Gazi University</i> , 0, , .	0.3	0
4268	Shielding Encapsulation to Enhance Fire Endurance of Phase Change Materials in Energy-Efficient Concrete. <i>Fire Technology</i> , 2023, 59, 1697-1723.	1.5	2
4269	Energy Consumption Analysis Using Weighted Energy Index and Energy Modeling for a Hotel Building. <i>Buildings</i> , 2023, 13, 1022.	1.4	0
4270	Application of recycled aggregates generated from waste materials towards improvement in acoustical and thermal conductivity of concrete. <i>Materials Today: Proceedings</i> , 2023, , .	0.9	0
4271	Research on intervention PID control of VAV terminal based on LabVIEW. <i>Case Studies in Thermal Engineering</i> , 2023, 45, 103002.	2.8	2
4272	A novel occupant-centric stratum ventilation system using computer vision: Occupant detection, thermal comfort, air quality, and energy savings. <i>Building and Environment</i> , 2023, 237, 110332.	3.0	16
4273	BIM adoption in sustainability, energy modelling and implementing using ISO 19650: A review. <i>Ain Shams Engineering Journal</i> , 2024, 15, 102252.	3.5	8

#	ARTICLE	IF	CITATIONS
4274	Modelling energy performance of residential dwellings by using the MARS technique, SVM-based approach, MLP neural network and M5 model tree. Applied Energy, 2023, 341, 121074.	5.1	1
4275	Analysis and optimization of energy loss reduction in a modified tee with deflectors via energy dissipation and vortex strength. Energy and Buildings, 2023, 290, 113094.	3.1	1
4276	Smart Buildings in the IoT Era –“ Necessity, Challenges, and Opportunities. , 2023, , 1-21.		1
4277	Optimal control and energy efficiency evaluation of district ice storage system. Energy, 2023, 276, 127598.	4.5	1
4278	Agricultural policies and sustainable agriculture in EU countries. , 2023, , 455-486.		0
4279	Dropwise Condensate Comb for Enhanced Heat Transfer. ACS Applied Materials & Interfaces, 2023, 15, 21549-21561.	4.0	5
4280	Research on Air-Conditioning Cooling Load Correction and Its Application Based on Clustering and LSTM Algorithm. Applied Sciences (Switzerland), 2023, 13, 5151.	1.3	1
4287	Minimizing Building Energy Waste by Detecting and Addressing HVAC Issues. Lecture Notes in Networks and Systems, 2023, , 755-764.	0.5	0
4291	Field and numerical evaluation on cooling and heating system alternatives for a five star hotel building towards energy conservation. AIP Conference Proceedings, 2023, , .	0.3	0
4298	Technologies for a Diagnostic Technique for HVAC Systems Using IoT and Cloud-Based Architecture. , 2023, , .		2
4300	Navigating the Green Transition During the Pandemic Equitably: A New Perspective on Technological Resilience Among Boston Neighborhoods Facing the Shock. Lecture Notes in Networks and Systems, 2023, , 285-308.	0.5	1
4304	Electric Fans. , 2023, , 129-150.		0
4306	Contactless Sensing of Indoor Thermal Comfort and Air Quality Using Computer Vision Technology. , 2023, , 265-280.		0
4320	Efficient Energy Management in Bangladesh Perspective using Green Transformer. , 2022, , .		0
4322	Passive Thermal Performance of Earth-Sheltered Thin-Shell Concrete Dome Structures. , 2023, , .		1
4335	Passive building cooling using tree-shaped converging microchannel nets. AIP Conference Proceedings, 2023, , .	0.3	1
4346	Evaluation Methods of Energy Performances in Buildings. , 2023, , 499-513.		0
4348	State-of-the-Art Air-Conditioning Technologies. Green Energy and Technology, 2023, , 1-14.	0.4	0

#	ARTICLE	IF	CITATIONS
4350	Home Energy Management Using Fuzzy Logic. , 2023, , .		0
4351	Photonic structures in radiative cooling. Light: Science and Applications, 2023, 12, .	7.7	28
4355	Design and Simulation of a High Power LED Bulbs with Different Array of Fins in Passive Mode of Cooling. Lecture Notes in Electrical Engineering, 2023, , 197-210.	0.3	0
4359	Modeling Energy Transition in US Commercial Real Estate: A Diffusion Comparison with the Industrial Sector. , 0, , .		0
4360	Hospital Energy Analysis in Turkey. Springer Proceedings in Energy, 2023, , 643-654.	0.2	0
4371	Demand Side Management and Transactive Energy Strategies for Smart Cities. Studies in Big Data, 2023, , 193-227.	0.8	0
4388	Indoor thermal comfort analysis for developing energy-saving strategies in buildings. , 2023, , .		0
4392	A Novel Concrete Mix Design Methodology. Lecture Notes in Civil Engineering, 2023, , 457-468.	0.3	0
4394	Applied data cleaning methods in outlier detection for residential consumer. , 2023, , .		0
4395	Occupant Entry and Exit Event Extraction Using Continuous Wave (CW) Doppler Radar and Wavelet Analysis. , 2023, , .		2
4410	System for Water and Electricity Consumption Prediction in Smart Cities Using ML. , 2023, , .		0
4440	MPC-Suitable Hydrothermal, Data-Based Modeling of an Aquaculture Hall for the (Energetic) Optimisation of Inner Climate. , 2023, , .		0
4442	Smart Buildings in the IoT Era: Necessity, Challenges, and Opportunities. , 2023, , 1915-1935.		0
4450	Preliminary study of thermal distribution in semi-transparent photovoltaic double skin facade in South Lampung. AIP Conference Proceedings, 2023, , .	0.3	0
4451	Bio-inspired Lightweight Structural Systems: Nature-Inspired Architecture. , 2023, , 3-18.		0
4453	Metal-Organic Frameworks Based Hygroscopic Nanofiber Membrane for Indoor Dehumidification. Environmental Science and Engineering, 2023, , 595-601.	0.1	0
4454	Energy Management of Sustainable Smart Cities Using Internet-of-Energy. , 2023, , 143-173.		0
4455	Thermal and Optical Performance of Advanced Polycarbonate Systems with Granular Aerogel and Hollow Silica Powder. Environmental Science and Engineering, 2023, , 693-702.	0.1	0

#	ARTICLE	IF	CITATIONS
4456	Quantifying Convective Heat Transfer Coefficients During Natural Ventilation in a Full-Scale Operational Building. <i>Environmental Science and Engineering</i> , 2023, , 2001-2009.	0.1	1
4458	Energy and Occupancy Analytics to Improve Understanding and Efficiency of Building Operations—A Case Study of an Office Building in Northern California. <i>Environmental Science and Engineering</i> , 2023, , 1613-1625.	0.1	0
4467	What influences occupants'™ behavior in residential buildings: An experimental study on window operation in the KTH Live-In Lab. , 2023, , .		0
4469	Energy efficiency initiatives and regulations for commercial buildings in India: a review. <i>Environment, Development and Sustainability</i> , 0, , .	2.7	1
4472	Random Forests Model for HVAC System Fault Detection in Hotel Buildings. <i>Lecture Notes in Computer Science</i> , 2023, , 654-665.	1.0	0
4475	Experimental Analysis of Impact of Solar Chimney on Ventilation Rate in a Building. <i>Lecture Notes in Civil Engineering</i> , 2024, , 257-266.	0.3	0
4478	Mitigating climate change through retrofitting commercial building. A case study and analysis of the commercial office building located in Cyberjaya, Selangor. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0
4480	Designing a Technology Roadmap Through Demand Response Management in Energy. <i>Science, Technology and Innovation Studies</i> , 2023, , 271-293.	0.1	0
4485	Prospects for the Development of Corona Discharge Detection Method by Spectral Acoustic Radiation. <i>Studies in Systems, Decision and Control</i> , 2024, , 175-200.	0.8	0
4495	Explaining Deep Reinforcement Learning-Based Methods for Control of Building HVAC Systems. <i>Communications in Computer and Information Science</i> , 2023, , 237-255.	0.4	0
4496	IoT-based data collection system for central air conditioning. , 2023, , .		0
4499	A Building Wireless Performance Evaluation Scheme in Terms of Root-Mean-Square Delay Spread for Buildings with Complex Structures. , 2023, , .		0
4501	Urban Water Operational Robustness Failure Preliminary Study: Step Forward Solution to Resilience Improvement of Future Sustainable City. <i>Environmental Science and Engineering</i> , 2023, , 329-339.	0.1	0
4505	Multidisciplinary design optimization in Architecture, Engineering, and Construction: a detailed review and call for collaboration. <i>Structural and Multidisciplinary Optimization</i> , 2023, 66, .	1.7	1
4521	Evaluation of the Indoor Space Temperature Distribution by Point Measurements for the Comfort Level Control Problem. , 2023, , .		0
4523	Thermo-responsive smart glass. , 2023, , .		0
4524	Intelligent Multi-zone Residential HVAC Control Strategy Based on Deep Reinforcement Learning. <i>Power Electronics and Power Systems</i> , 2024, , 71-96.	0.6	0
4531	Occupancy Prediction in Buildings Using Cascaded LSTM Model. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
4532	Sustainable Buildings: A Comprehensive Review and Classification of Challenges and Issues, Benefits, and Future Directions. , 2024, , 1-28.		0
4533	Building-Integrated Photovoltaic (BIPV) and Its Application, Design, and Policy and Strategies. , 2024, , 91-109.		0
4541	Theoretical Analysis for a Multi-Zone of the Single Floor. Green Energy and Technology, 2024, , 95-121.	0.4	0
4544	State of Art on Enhanced Energy-Efficient Building Through Various Materials and Construction Techniques. Lecture Notes in Civil Engineering, 2024, , 99-113.	0.3	0
4550	A Probabilistic Fault Detection Approach for the Management of Energy and Environment in Buildings Using BiGRU-SA Approach. , 2023, , .		0
4552	TRIVAMZDÄ–S VRF SISTEMOS SU ATLIEKINE ENERGIJA IR BE JOS ATGAVIMO EFEKTYVUMO TYRIMAS PEREINAMUOJU METÄ² LAIKU. , 0, , .		0
4564	A Unified Framework for Querying Dynamic and Semantic Data Sources. , 2023, , .		0
4565	Data-Driven Airport Multi-Step Very Short-Term Load Forecasting. , 2023, , .		0
4570	THERMORESPONSIVE PHASE VARIANT SLIPPERY LIQUID INFUSED POROUS SURFACES FOR CONTROLLED CONDENSATION HEAT TRANSFER. , 2023, , .		0
4573	Study and design of archimedes screw turbine for micro hydro power generation. AIP Conference Proceedings, 2023, , .	0.3	0
4586	Performance Anlysis of Water-Cooled VRF System in Cooling Mode by Changing Scroll Compressor Geometry. Springer Proceedings in Energy, 2024, , 223-238.	0.2	0
4589	Energy Characteristic Analyses of Waste Wood Pellets. , 2023, , .		0
4592	Multi-Objective Optimization of Techno-Economic Feasibility of Heat Pipe Heat Exchanger (HPHE) for Air Conditioning Systems. Advances in Science and Technology, 0, , .	0.2	0
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#	ARTICLE	IF	CITATIONS
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