Zero Energy Building – A review of definitions and ca

Energy and Buildings 43, 971-979

DOI: 10.1016/j.enbuild.2010.12.022

Citation Report

#	Article	IF	CITATIONS
1	Materials Selection for Green Buildings: which Tools for Engineers and Architects?. Procedia Engineering, 2011, 21, 883-890.	1.2	85
2	Photovoltaic technology for renewable electricity production: Towards net zero energy buildings. , 2011, , .		14
3	From Low-Energy to Net Zero-Energy Buildings: Status and Perspectives. Journal of Green Building, 2011, 6, 46-57.	0.4	120
4	PROPOSAL OF A NORWEGIAN ZEB DEFINITION: ASSESSING THE IMPLICATIONS FOR DESIGN. Journal of Green Building, 2011, 6, 133-150.	0.4	8
5	Cost optimal and nearly zero (nZEB) energy performance calculations for residential buildings with REHVA definition for nZEB national implementation. Energy and Buildings, 2011, 43, 3279-3288.	3.1	215
6	Life cycle cost analysis of a multi-storey residential Net Zero Energy Building in Denmark. Energy, 2011, 36, 5600-5609.	4.5	189
7	Towards Energy-neutral New Housing Developments. Municipal Climate Governance in The Netherlands. European Planning Studies, 2012, 20, 111-130.	1.6	12
8	Energy and environmental performance of tall buildings: state of the art. Advances in Building Energy Research, 2012, 6, 36-60.	1.1	5
9	Positive-energy homes: Impacts on, and implications for, ecologically sustainable urban design. Urban Design International, 2012, 17, 45-61.	1.3	10
10	Net sustainable buildings: Approaching future. AIP Conference Proceedings, 2012, , .	0.3	1
11	The relationship between the shape of a building and its energy performance. Architectural Engineering and Design Management, 2012, 8, 246-256.	1.2	36
12	Net ZEB office in Sweden – A case study, testing the Swedish Net ZEB definition. International Journal of Sustainable Built Environment, 2012, 1, 217-226.	3.2	17
13	Nested Thermal Envelope Design construction: Achieving significant reductions in heating energy use. Energy and Buildings, 2012, 54, 215-224.	3.1	2
14	Distributed energy resources for a zero-energy neighborhood. , 2012, , .		4
15	Net Zero Energy Buildings: Expense or Investment?. Energy Procedia, 2012, 14, 1331-1336.	1.8	30
16	Simulation-based decision support tool for early stages of zero-energy building design. Energy and Buildings, 2012, 49, 2-15.	3.1	304
17	Measured end-use electric load profiles for 12 Canadian houses at high temporal resolution. Energy and Buildings, 2012, 49, 519-530.	3.1	81
18	Solar Load Ratio and ISO 13790 methodologies: Indirect gains from sunspaces. Energy and Buildings, 2012, 51, 212-222.	3.1	20

#	Article	IF	CITATIONS
19	A methodology for economic efficient design of Net Zero Energy Buildings. Energy and Buildings, 2012, 55, 765-778.	3.1	122
20	ARCHITECTURAL SOLUTIONS TO INCREASE THE ENERGY EFFICIENCY OF BUILDINGS / ARCHITEKTŮROS SPRENDINIAI, DIDINANTYS ENERGINĮ PASTATŲ EFEKTYVUMĄ. Journal of Civil Engineering and Management, 2012, 18, 71-80.	1.9	50
21	Zero- and low-energy housing for the Mediterranean climate. Advances in Building Energy Research, 2012, 6, 81-118.	1.1	21
22	Zero peak housing: Exploring the possibility of eliminating electrical draws from houses during periods of high demand on the electrical grid. Building and Environment, 2012, 58, 103-113.	3.0	9
23	Demonstration of the new ESP-r and TRNSYS co-simulator for modelling solar buildings. Energy Procedia, 2012, 30, 505-514.	1.8	31
24	A Case Study of Solar Technologies Adoption: Criteria for BIPV Integration in Sensitive Built Environment. Energy Procedia, 2012, 30, 1006-1015.	1.8	16
25	District Geometry Simulation: A Study for the Optimization of Solar Façades in Urban Canopy Layers. Energy Procedia, 2012, 30, 1163-1172.	1.8	22
26	A net-zero building application and its role in exergy-aware local energy strategies for sustainability. Energy Conversion and Management, 2012, 63, 208-217.	4.4	42
27	Excess heat production of future net zero energy buildings within district heating areas in Denmark. Energy, 2012, 48, 23-31.	4.5	73
28	A cost optimization model for 100% renewable residential energy supply systems. Energy, 2012, 48, 118-127.	4.5	88
29	Energy plus standard in buildings constructed by housing associations?. Energy, 2012, 48, 56-65.	4.5	13
30	Compliance with building energy regulations for new-build dwellings. Energy, 2012, 48, 11-22.	4.5	78
31	Sustainable Sustainable Heating Ventilation and Air Conditioning sustainability/sustainable heating ventilation and air conditioning., 2012, , 10332-10344.		0
32	Sustainability Assessment in the Construction Sector: Rating Systems and Rated Buildings. Sustainable Development, 2012, 20, 411-424.	6.9	285
33	Energy and environmental assessment of two high energy performance residential buildings. Building and Environment, 2012, 51, 276-284.	3.0	84
34	Designing net-zero energy buildings for the future climate, not for the past. Building and Environment, 2012, 55, 150-158.	3.0	179
35	Optimization of the building integrated photovoltaic system in office buildingsâ€"Focus on the orientation, inclined angle and installed area. Energy and Buildings, 2012, 46, 92-104.	3.1	118
36	Net zero energy buildings: A consistent definition framework. Energy and Buildings, 2012, 48, 220-232.	3.1	674

#	Article	IF	Citations
37	Numerical modelling and experimental measurements for a low-temperature district heating substation for instantaneous preparation of DHW with respect to service pipes. Energy, 2012, 41, 392-400.	4.5	41
38	On-site or off-site renewable energy supply options? Life cycle cost analysis of a Net Zero Energy Building in Denmark. Renewable Energy, 2012, 44, 154-165.	4.3	95
39	Anatomy of a sub-tropical Positive Energy Home (PEH). Solar Energy, 2012, 86, 231-241.	2.9	36
40	Solar powered net zero energy houses for southern Europe: Feasibility study. Solar Energy, 2012, 86, 634-646.	2.9	80
41	Achieving informed decision-making for net zero energy buildings design using building performance simulation tools. Building Simulation, 2013, 6, 3-21.	3.0	40
42	Progress in ZEBs—A review of definitions, policies and construction activity. Energy Policy, 2013, 62, 196-206.	4.2	91
43	Analysis and solution for renewable energy load matching for a single-family house. Energy and Buildings, 2013, 65, 398-411.	3.1	50
44	On-site energy matching indices for buildings with energy conversion, storage and hybrid grid connections. Energy and Buildings, 2013, 64, 423-438.	3.1	105
45	Potential of structural thermal mass for demand-side management in dwellings. Building and Environment, 2013, 64, 187-199.	3.0	167
46	Drivers, trends, and uncertainty in long-term price projections for energy management in public buildings. Energy Policy, 2013, 62, 617-624.	4.2	12
47	Manually-operated window shade patterns in office buildings: A critical review. Building and Environment, 2013, 60, 319-338.	3.0	197
48	Energy performance of net-zero and near net-zero energy homes in New England. Energy and Buildings, 2013, 67, 551-558.	3.1	49
49	Assessment of technical and economical viability for large-scale conversion of single family residential buildings into zero energy buildings in Brazil: Climatic and cultural considerations. Energy Policy, 2013, 63, 716-725.	4.2	30
50	Life cycle energy analysis of a zero-energy house. Building Research and Information, 2013, 41, 435-449.	2.0	32
52	An Italian pilot project for zero energy buildings: Towards a quality-driven approach. Renewable Energy, 2013, 50, 840-846.	4.3	32
53	A multi-stage optimization method for cost-optimal and nearly-zero-energy building solutions in line with the EPBD-recast 2010. Energy and Buildings, 2013, 56, 189-203.	3.1	334
54	Towards sustainability index for healthy buildingsâ€"Via intrinsic thermodynamics, green accounting and harmony. Energy and Buildings, 2013, 62, 627-637.	3.1	28
55	Active Energy Conserving Strategies of the Malaysia Energy Commission Diamond Building. Procedia Environmental Sciences, 2013, 17, 775-784.	1.3	8

#	ARTICLE	IF	Citations
56	Energy payback: An attributional and environmentally focused approach to energy balance in net zero energy buildings. Energy and Buildings, 2013, 65, 84-92.	3.1	39
57	Energy certification of existing office buildings: Analysis of two case studies and qualitative reflection. Sustainable Cities and Society, 2013, 9, 81-95.	5.1	11
58	Recycling concepts and the index of recyclability for building materials. Resources, Conservation and Recycling, 2013, 72, 127-135.	5.3	67
59	Zero energy buildings and sustainable development implications – A review. Energy, 2013, 54, 1-10.	4.5	415
60	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
61	Micro-sources design of an intelligent building integrated with micro-grid. Energy and Buildings, 2013, 57, 261-267.	3.1	26
62	LCE analysis of buildings – Taking the step towards Net Zero Energy Buildings. Energy and Buildings, 2013, 62, 381-391.	3.1	81
63	Review of passive PCM latent heat thermal energy storage systems towards buildings' energy efficiency. Energy and Buildings, 2013, 59, 82-103.	3.1	785
64	Potentials for energy savings and long term energy demand of Croatian households sector. Applied Energy, 2013, 101, 15-25.	5.1	26
65	Nearly Zero-Energy Buildings of the Lombardy Region (Italy), a Case Study of High-Energy Performance Buildings. Energies, 2013, 6, 3506-3527.	1.6	25
66	Development of Innovative Heating and Cooling Systems Using Renewable Energy Sources for Non-Residential Buildings. Energies, 2013, 6, 5114-5129.	1.6	33
67	Common Characteristics of Zero Energy Buildings in Relation to the Energy Distribution Networks. Advanced Materials Research, 2013, 855, 31-34.	0.3	0
68	Process Integration for Energy Saving in Buildings and Building Complexes., 2013,, 938-965.		0
69	Water and sunlight: regenerative hydronics. International Journal of Sustainable Building Technology and Urban Development, 2013, 4, 260-273.	1.0	0
70	Global climate targets and future consumption level: an evaluation of the required GHG intensity. Environmental Research Letters, 2013, 8, 014016.	2.2	30
71	Cost optimal and nearly zero energy performance requirements for buildings in Estonia. Estonian Journal of Engineering, 2013, 19, 183.	0.3	39
72	A model of a Serbian energy efficient house for decentralized electricity production. Journal of Renewable and Sustainable Energy, 2013, 5, 041810.	0.8	5
73	Nearly Zero-Energy Building's (nZEB) Definitions and Assessment Boundaries. Green Energy and Technology, 2013, , 7-30.	0.4	1

#	Article	IF	CITATIONS
74	Hourly load modelling of non-residential building stock., 2013,,.		9
75	Optimization of photovoltaics panels area at Serbian zero-net energy building. Journal of Renewable and Sustainable Energy, 2013, 5, .	0.8	1
76	Classification and Basic Economic Quantification of Renewable Energy Sources for the Sustainable Architecture Design. Advanced Materials Research, 0, 855, 25-30.	0.3	0
77	Sustainable Design of a Nearly Zero Energy Building Facilitated by a Smart Microgrid. Journal of Renewable Energy, 2014, 2014, 1-11.	2.1	18
78	Buildings. , 2015, , 671-738.		13
79	Data-driven evaluation of building demand response capacity. , 2014, , .		6
80	The impact of urban design decisions on net zero energy solar buildings in Sweden. Urban, Planning and Transport Research, 2014, 2, 312-332.	0.8	36
81	Interaction of New Physical-Energy Quantification of Buildings and Renewable Energy Sources as a Dominant Production Technology of Natural Capital. Advanced Materials Research, 2014, 899, 46-51.	0.3	0
82	Optimization Models and Methods for Demand-Side Management of Residential Users: A Survey. Energies, 2014, 7, 5787-5824.	1.6	179
83	Shadowing Impact on Amount of Power Generated by Photovoltaic Modules. Applied Mechanics and Materials, 0, 587-589, 342-347.	0.2	41
84	Feasibility of an Energy Efficient Large-Scale Aquaponic Food Production and Distribution Facility. , 2014, , .		1
85	Grounding and safety considerations for residential DC microgrids. , 2014, , .		38
86	Zero emission housing: Policy development in Australia and comparisons with the EU, UK, USA and California. Environmental Innovation and Societal Transitions, 2014, 11, 25-45.	2.5	38
87	Resource management in organized housing settlements, a case study at Kastoria Region, Greece. Energy and Buildings, 2014, 74, 17-29.	3.1	4
88	Photovoltaic low power systems and their environmental impact:Yuma, Arizona, U.S.A. case study and projections for Mexicali, Mexico. Renewable and Sustainable Energy Reviews, 2014, 32, 172-177.	8.2	2
89	Passive design strategies and performance of Net Energy Plus Houses. Energy and Buildings, 2014, 83, 10-22.	3.1	138
90	Matching analysis for on-site hybrid renewable energy systems of office buildings with extended indices. Applied Energy, 2014, 113, 230-247.	5.1	57
91	Energy matching analysis of on-site micro-cogeneration for a single-family house with thermal and electrical tracking strategies. Energy and Buildings, 2014, 68, 351-363.	3.1	37

#	Article	IF	CITATIONS
92	The contextual factors contributing to occupants' adaptive comfort behaviors in offices – A review and proposed modeling framework. Building and Environment, 2014, 77, 77-87.	3.0	204
93	Energy generation from grey water in high raised buildings: The case of India. Renewable Energy, 2014, 69, 284-289.	4.3	26
94	The convergence of life cycle assessment and nearly zero-energy buildings: The case of Germany. Energy and Buildings, 2014, 76, 551-557.	3.1	83
95	Performance analysis of commercial buildingsâ€"Results and experiences from the German demonstration program â€"Energy Optimized Building (EnOB)'. Energy and Buildings, 2014, 68, 634-638.	3.1	18
96	Green building research–current status and future agenda: A review. Renewable and Sustainable Energy Reviews, 2014, 30, 271-281.	8.2	795
97	Improving the renewable energy mix in a building toward the nearly zero energy status. Energy and Buildings, 2014, 68, 72-78.	3.1	63
98	Fulfillment of net-zero energy building (NZEB) with four metrics in a single family house with different heating alternatives. Applied Energy, 2014, 114, 385-399.	5.1	138
99	Advanced control of heat pumps for improved flexibility of Net-ZEB towards the grid. Energy and Buildings, 2014, 69, 74-84.	3.1	100
100	Legislation driven scenarios based on recent construction advancements towards the achievement of nearly zero energy dwellings in the southern European country of Cyprus. Energy, 2014, 66, 588-597.	4.5	47
101	Cost-effective design solutions for low-rise residential Net ZEBs in Mediterranean climate. Energy and Buildings, 2014, 68, 7-18.	3.1	43
102	A net zero emission concept analysis of a single-family house. Energy and Buildings, 2014, 74, 101-110.	3.1	91
103	Portuguese sustainable construction assessment tools benchmarked with BREEAM and LEED: An energy analysis. Energy and Buildings, 2014, 69, 451-463.	3.1	71
104	Energy life-cycle approach in Net zero energy buildings balance: Operation and embodied energy of an Italian case study. Energy and Buildings, 2014, 72, 371-381.	3.1	156
105	Co-simulation between ESP-r and TRNSYS. Journal of Building Performance Simulation, 2014, 7, 133-151.	1.0	17
106	Performance demonstration and evaluation of the synergetic application of vanadium dioxide glazing and phase change material in passive buildings. Applied Energy, 2014, 136, 89-97.	5.1	57
107	The energy sustainability of Palazzo Italia at EXPO 2015: Analysis of an nZEB building. Energy and Buildings, 2014, 82, 534-539.	3.1	17
108	Implications of weighting factors on technology preference in net zero energy buildings. Energy and Buildings, 2014, 82, 250-262.	3.1	51
109	Evaluation of the influence of design factors on the CO2 emissions and costs of reinforced concrete columns. Energy and Buildings, 2014, 82, 378-384.	3.1	37

#	ARTICLE	IF	CITATIONS
110	A simplified framework to assess the feasibility of zero-energy at the neighbourhood/community scale. Energy and Buildings, 2014, 82, 114-122.	3.1	117
111	Analysis of load match and grid interaction indicators in net zero energy buildings with simulated and monitored data. Applied Energy, 2014, 136, 119-131.	5.1	205
112	Balancing envelope and heating system parameters for zero emissions retrofit using building sensor data. Applied Energy, 2014, 131, 56-66.	5.1	50
113	Defining zero carbon and zero energy homes from a performance-based regulatory perspective. Energy Efficiency, 2014, 7, 303-322.	1.3	26
114	A Survey of Energy Efficiency in Buildings and Microgrids using Networking Technologies. IEEE Communications Surveys and Tutorials, 2014, 16, 1709-1731.	24.8	52
115	Strategy for Energy Efficient Buildings in Tropical Climate. Energy Procedia, 2014, 52, 10-17.	1.8	27
116	Zero energy buildings and the rebound effect: A solution to the paradox of energy efficiency?. Energy and Buildings, 2014, 84, 633-640.	3.1	24
117	Nano Insulation Materials: Synthesis and Life Cycle Assessment. Procedia CIRP, 2014, 15, 490-495.	1.0	36
118	Building thermal energy modeling with loss minimization. Simulation Modelling Practice and Theory, 2014, 49, 110-121.	2.2	8
119	Achieving net zero energy cost house from old thermally non-insulated house using photovoltaic panels. Energy and Buildings, 2014, 76, 57-63.	3.1	24
120	Case analysis of utilizing alternative energy sources and technologies for the single family detached house. Solar Energy, 2014, 105, 243-263.	2.9	23
121	Analysis of Net Zero-energy Building in Spain. Integration of PV, Solar Domestic Hot Water and Air-conditioning Systems. Energy Procedia, 2014, 48, 828-836.	1.8	21
122	Apartment Building Electricity System Impact of Operational Electric Vehicle Charging Strategies. IEEE Transactions on Sustainable Energy, 2014, 5, 264-272.	5.9	67
123	How to evaluate performance of net zero energy building – A literature research. Energy, 2014, 71, 1-16.	4.5	251
124	System boundaries of zero carbon buildings. Renewable and Sustainable Energy Reviews, 2014, 37, 424-434.	8.2	98
125	Selection of micro-cogeneration for net zero energy buildings (NZEB) using weighted energy matching index. Energy and Buildings, 2014, 80, 490-503.	3.1	29
126	Briefing: Delivering buildings and infrastructure towards zero carbon. Infrastructure Asset Management, 2014, 1, 60-65.	1.2	2
127	Zero Emission Building And Conversion Factors Between Electricity Consumption And Emissions Of Greenhouse Gases In A Long Term Perspective. Environmental and Climate Technologies, 2014, 13, 12-19.	0.5	35

#	ARTICLE	IF	CITATIONS
128	Net zero emissions in radio base stations operating at different conditions. , 2014, , .		1
129	Effects of Thermophysical Properties of Wall Materials on Energy Performance in an Active Building. Energy Procedia, 2015, 75, 1850-1855.	1.8	14
130	Energy Modeling for NZEBs: A Case-study. Energy Procedia, 2015, 78, 2034-2039.	1.8	4
131	Assessing the smartness of buildings. Facilities, 2015, 33, 553-572.	0.8	32
132	Unified generating and storing capacity reliability evaluation in nearly-Zero Energy Buildings. , 2015, , .		6
137	Intelligent energy buildings based on RES and nanotechnology. AIP Conference Proceedings, 2015, , .	0.3	1
138	Adaptive Operation Decisions in Net Zero Building Clusters. , 2015, , .		6
139	A Preliminary Check of the Refurbishing Large Office Buildings to a Zero Energy Condition. Procedia CIRP, 2015, 34, 193-198.	1.0	1
140	New Challenge of the Public Buildings: nZEB Findings from IEE RePublic_ZEB Project. Energy Procedia, 2015, 78, 2016-2021.	1.8	15
141	Smart multi-terminal DC \hat{l} 4-grids for autonomous zero-net energy buildings: Implicit concepts. , 2015, , .		8
142	A Demonstrated Net Zero Energy Building in Thailand: The Way for Sustainable Development in Buildings. Advanced Materials Research, 0, 1119, 741-747.	0.3	8
143	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
145	Analysis of Photovoltaic Applications in Zero Energy Building Cases of IEA SHC/EBC Task 40/Annex 52. Sustainability, 2015, 7, 8782-8800.	1.6	26
146	Assessment of Passive vs. Active Strategies for a School Building Design. Sustainability, 2015, 7, 15136-15151.	1.6	14
147	Energy considerations of social dwellings in Colombia according to NZEB concept. DYNA (Colombia), 2015, 82, 120-130.	0.2	6
148	Load match optimisation of a residential building case study: A cross-entropy based electricity storage sizing algorithm. Applied Energy, 2015, 154, 380-391.	5.1	50
149	New Industrial Energy and Resource Saving Structural Solutions for Public Buildings. Applied Mechanics and Materials, 2015, 725-726, 1423-1429.	0.2	5
150	Hourly electricity load modelling of non-residential passive buildings in a nordic climate. , 2015, , .		6

#	ARTICLE	IF	CITATIONS
151	Impacts of renewable energy system design inputs on the performance robustness of net zero energy buildings. Energy, 2015, 93, 1595-1606.	4.5	43
152	Framing evidence: policy design for the zero-carbon home. Building Research and Information, 2015, 43, 420-434.	2.0	11
153	Optimal Power Control of Grid Tied PV-battery-diesel System Powering Heat Pump Water Heaters. Energy Procedia, 2015, 75, 1514-1521.	1.8	12
154	Solar energy for net zero energy buildings – A comparison between solar thermal, PV and photovoltaic–thermal (PV/T) systems. Solar Energy, 2015, 122, 986-996.	2.9	180
155	Embodied Energy and Operational Energy Assessment in the Framework of Nearly Zero Energy Building and Building Energy Rating. Energy Procedia, 2015, 78, 3204-3209.	1.8	39
156	A review on Zero Energy Buildings and intelligent systems. , 2015, , .		14
157	Thermal and Daylight Evaluation of Building Zones. Energy Procedia, 2015, 78, 2784-2789.	1.8	12
158	Classification of smart metering systems for zero-energy buildings. , 2015, , .		5
159	Assessment of the progress towards the establishment of definitions of Nearly Zero Energy Buildings (nZEBs) in European Member States. Journal of Building Engineering, 2015, 1, 20-32.	1.6	108
160	A comprehensive analysis of building energy efficiency policies inÂChina: status quo and development perspective. Journal of Cleaner Production, 2015, 90, 326-344.	4.6	121
161	Building integrated renewable energy to achieve zero emission in Bahrain. Energy and Buildings, 2015, 93, 32-39.	3.1	31
162	Sustainability assessments of buildings, communities, and cities. , 2015, , 497-545.		35
163	Different energy balances for the redesign of nearly net zero energy buildings: An Italian case study. Renewable and Sustainable Energy Reviews, 2015, 45, 100-112.	8.2	72
164	Zero carbon homes: Perceptions from the UK construction industry. Energy Policy, 2015, 79, 23-36.	4.2	60
165	Social problems of green buildings: From the humanistic needs to social acceptance. Renewable and Sustainable Energy Reviews, 2015, 51, 1594-1609.	8.2	155
166	What does built environment research have to do with risk mitigation, resilience and disaster recovery?. Sustainable Cities and Society, 2015, 19, 91-97.	5.1	38
167	Real-time estimation of thermal comfort indices in an office building with a solar powered HVAC system. , $2015, , .$		2
168	Design optimization and optimal control of grid-connected and standalone nearly/net zero energy buildings. Applied Energy, 2015, 155, 463-477.	5.1	186

#	ARTICLE	IF	CITATIONS
169	Energy consumption and efficiency in buildings: current status and future trends. Journal of Cleaner Production, 2015, 109, 118-130.	4.6	467
170	Preliminary design method for naturally ventilated buildings using target air change rate and natural ventilation potential maps in the United States. Energy, 2015, 89, 655-666.	4.5	39
171	Optimal design of hybrid renewable energy systems in buildings with low to high renewable energy ratio. Renewable Energy, 2015, 83, 1026-1042.	4.3	91
172	Retrofitting an office building towards a net zero energy building. Advances in Building Energy Research, 2015, 9, 20-33.	1.1	26
173	Influence of natural and artificial light on structured steel buildings. Renewable and Sustainable Energy Reviews, 2015, 48, 392-398.	8.2	7
174	A multi-criteria system design optimization for net zero energy buildings under uncertainties. Energy and Buildings, 2015, 97, 196-204.	3.1	80
175	The historical evolution of the energy efficient buildings. Renewable and Sustainable Energy Reviews, 2015, 49, 243-253.	8.2	119
176	Thermal performance of a nearly zero energy passive house integrated with the air–air heat exchanger and the earth–water heat exchanger. Energy and Buildings, 2015, 96, 53-63.	3.1	35
177	Optimal energy control of grid tied PV–diesel–battery hybrid system powering heat pump water heater. Solar Energy, 2015, 115, 243-254.	2.9	55
178	Assessment of indoor environmental quality in existing multi-family buildings in North–East Europe. Environment International, 2015, 79, 74-84.	4.8	58
179	Module composition for reliability test of organic photovoltaics. Japanese Journal of Applied Physics, 2015, 54, 08KF07.	0.8	1
180	Experimental study on the physical–mechanical durability of innovative hemp-based composites for the building industry. Energy and Buildings, 2015, 104, 316-322.	3.1	26
181	Life-cycle cost assessment and energy performance evaluation of NZEB enhancement for LEED-rated educational facilities. Advances in Building Energy Research, 2015, 9, 267-279.	1.1	10
182	Regenerative Design of Existing Buildings for Net-Zero Energy Use. Procedia Engineering, 2015, 118, 72-80.	1.2	39
183	Investigations of Nearly (net) Zero Energy Residential Buildings in Beijing. Procedia Engineering, 2015, 121, 1051-1057.	1.2	16
184	Technical feasibility of a hybrid on-site H2 and renewable energy system for a zero-energy building with a H2 vehicle. Applied Energy, 2015, 158, 568-583.	5.1	41
185	Spatial life cycle sustainability assessment: a conceptual framework for net-zero buildings. Clean Technologies and Environmental Policy, 2015, 17, 2243-2253.	2.1	38
186	Sensitivity analysis in determining the optimum energy for residential buildings in Polish conditions. Energy and Buildings, 2015, 107, 307-318.	3.1	34

#	Article	IF	CITATIONS
187	Modeling and Simulation-based Analysis for Large Scale Campus Chilled Water Networks. , 2015, , .		2
188	Estimation of Indicators of Ecological Safety in Civil Engineering. Procedia Engineering, 2015, 117, 126-131.	1.2	29
189	Shifting from net-zero to net-positive energy buildings. Building Research and Information, 2015, 43, 111-120.	2.0	52
190	Life cycle emissions analysis of two nZEB concepts. Building Research and Information, 2015, 43, 82-93.	2.0	63
191	Framework for net-zero and net-positive building water cycle management. Building Research and Information, 2015, 43, 121-132.	2.0	8
192	A socio-technical framework of zero-carbon building policies. Building Research and Information, 2015, 43, 94-110.	2.0	47
193	An integrated energy–emergy approach to building form optimization: Use of EnergyPlus, emergy analysis and Taguchi-regression method. Building and Environment, 2015, 84, 89-104.	3.0	64
194	Modelling solar potential in the urban environment: State-of-the-art review. Renewable and Sustainable Energy Reviews, 2015, 41, 915-931.	8.2	323
195	Net-zero buildings: incorporating embodied impacts. Building Research and Information, 2015, 43, 62-81.	2.0	91
196	Evaluating Thermal and Lighting Energy Performance of Shading Devices on Kinetic Façades. Sustainability, 2016, 8, 883.	1.6	22
197	A Field Study of Thermal and Visual Performance of Self-Shading Energy Commission Diamond Building, Putrajaya, Malaysia. Indian Journal of Science and Technology, 2016, 9, .	0.5	1
198	Future trends for solar energy useÂin nearly zero energy buildings. , 2016, , 547-569.		5
199	Energy efficiency and environmental impact of solar heating and cooling systems., 2016,, 43-59.		0
200	The assessment of the relevance of building components and life phases for the environmental profile of nearly zero-energy buildings: life cycle assessment of a multifamily building in Italy. International Journal of Life Cycle Assessment, 2016, 21, 1667-1690.	2.2	25
201	Building energy-consumption status worldwide and the state-of-the-art technologies for zero-energy buildings during the past decade. Energy and Buildings, 2016, 128, 198-213.	3.1	876
202	Role of Municipal Steering in Sustainable Building and Refurbishment. Energy Procedia, 2016, 96, 650-661.	1.8	10
203	Assessment of Social Indicators in Energy Housing Retrofits. , 2016, , .		5
204	Analysis of Energy Consumption in Building with NZEB Concept. Applied Mechanics and Materials, 2016, 824, 347-354.	0.2	3

#	Article	IF	CITATIONS
205	An Investment Allocation Approach for Building Energy Retrofits., 2016,,.		7
206	Adaptive Energy Optimization Toward Net-Zero Energy Building Clusters. Journal of Mechanical Design, Transactions of the ASME, 2016, 138, .	1.7	5
207	Real-time matching of local generation and demand: The use of high resolution load modeling. , 2016, , .		0
208	Renewable energy generation and integration inSustainable Buildings – a focus on eco-fuels. Sustainable Buildings, 2016, 1, 2.	0.7	2
209	Concept, Design and Energy Performance of a Net Zero-Energy Building in Mediterranean Climate. Procedia Engineering, 2016, 169, 26-37.	1.2	19
210	The roles of thermal insulation and heat storage in the energy performance of the wall materials: a simulation study. Scientific Reports, 2016, 6, 24181.	1.6	39
211	Life cycle production and costs of a residential solar hot water and grid-connected photovoltaic system in humid subtropical Texas. Journal of Renewable and Sustainable Energy, 2016, 8, 053702.	0.8	4
212	A techno-economic analysis for an integrated solar PV/T system for building applications. , 2016, , .		2
213	Effects of Energy Retrofits on Indoor Air Quality in Three Northern European Countries. Energy Procedia, 2016, 96, 253-259.	1.8	22
214	Minimax Analysis of Economic and Energy Efficiencies of Heat-Supply Pipelines. Journal of Engineering Physics and Thermophysics, 2016, 89, 1401-1409.	0.2	1
215	Environmental, energy and economic aspects in a zero-emission façade system design. Management of Environmental Quality, 2016, 27, 708-721.	2.2	4
216	Grid-connected PV system design option for nearly zero energy building in reference building in Hanoi. , 2016, , .		9
217	Methodology for optimal energy system design of Zero Energy Buildings using mixed-integer linear programming. Energy and Buildings, 2016, 127, 194-205.	3.1	70
218	Clusters and exemplars of buildings towards zero carbon. Building and Environment, 2016, 104, 92-101.	3.0	36
219	Solar heating and cooling systems versus conventional systems assisted by photovoltaic: Application of a simplified LCA tool. Solar Energy Materials and Solar Cells, 2016, 156, 92-100.	3.0	49
220	Search for the optimal window-to-wall ratio in office buildings in different European climates and the implications on total energy saving potential. Solar Energy, 2016, 132, 467-492.	2.9	185
221	Energy performance of ETFE cushion roof integrated photovoltaic/thermal system on hot and cold days. Applied Energy, 2016, 173, 40-51.	5.1	60
222	The impact of future scenarios on building refurbishment strategies towards plus energy buildings. Energy and Buildings, 2016, 124, 153-163.	3.1	90

#	Article	IF	CITATIONS
223	Energy improvement of office buildings in Southern Europe. Energy and Buildings, 2016, 123, 17-33.	3.1	15
224	Effective ventilation strategies for net zero-energy buildings in Mediterranean climates. International Journal of Ventilation, 0, , 1-17.	0.2	4
225	Optimization of building envelope design for nZEBs in Mediterranean climate: Performance analysis of residential case study. Applied Energy, 2016, 183, 938-957.	5.1	162
226	Zero energy consumption home based on utilization - pricing ratio, using solar system in Bangkok. , 2016, , .		3
227	Vulnerability to climate change impacts of present renewable energy systems designed for achieving net-zero energy buildings. Energy, 2016, 114, 1288-1305.	4.5	47
228	From smart ground to smart grid: A method to achieve multi-energy system. , 2016, , .		1
229	Towards European targets by monitoring the energy profile of the Cyprus housing stock. Energy and Buildings, 2016, 132, 130-140.	3.1	32
230	Energy efficiency at the building and district levels in a multi-energy context. , 2016, , .		2
231	Towards next generation district heating in Finland. Renewable and Sustainable Energy Reviews, 2016, 65, 915-924.	8.2	71
232	Sustainable design model to reduce environmental impact of building construction with composite structures. Journal of Cleaner Production, 2016, 137, 823-832.	4.6	28
233	Multi-criteria assessment for the effective decision management in residential energy retrofitting. Energy and Buildings, 2016, 129, 284-307.	3.1	58
234	Getting to net zero energy building: Investigating the role of vehicle to home technology. Energy and Buildings, 2016, 130, 465-476.	3.1	86
235	Usability of energy performance assessment tools for different use purposes with the focus on refurbishment projects. Energy and Buildings, 2016, 127, 217-228.	3.1	6
236	Multi-criterion optimization of building envelope in the function of indoor illumination quality towards overall energy performance improvement. Energy, 2016, 114, 302-317.	4.5	45
237	A new insight into opaque envelopes in a passive solar house: Properties and roles. Applied Energy, 2016, 183, 685-699.	5.1	28
238	Regenerative design and adaptive reuse of existing commercial buildings for net-zero energy use. Sustainable Cities and Society, 2016, 27, 185-195.	5.1	40
239	A hybrid Genetic Algorithm and Monte Carlo simulation approach to predict hourly energy consumption and generation by a cluster of Net Zero Energy Buildings. Applied Energy, 2016, 179, 626-637.	5.1	58
240	Factors Influencing the Energy Consumption of Residential Buildings: A Review. , 2016, , .		7

#	Article	IF	CITATIONS
241	Net zero-energy buildings in Germany: Design, model calibration and lessons learned from a case-study in Berlin. Energy and Buildings, 2016, 133, 688-710.	3.1	63
242	Event-driven human based evolutionary knowledge base for smart buildings. , 2016, , .		O
243	Large scale introduction of Zero Energy Buildings in the Nordic power system. , 2016, , .		2
244	Smart micro grids for Nearly Zero Energy Buildings. , 2016, , .		8
246	Performance criteria system for passive nearly zero energy buildings in China. Indoor and Built Environment, 2016, 25, 1181-1184.	1.5	17
247	Analysis on a net-zero energy renovation of a 1920s vintage home. Science and Technology for the Built Environment, 2016, 22, 1060-1073.	0.8	5
248	Application of a BIPV to cover net energy use of the adjacent office room. Management of Environmental Quality, 2016, 27, 649-662.	2.2	14
249	The roles of the outdoors and occupants in contributing to a potential pan-microbiome of the built environment: a review. Microbiome, 2016, 4, 21.	4.9	99
250	Benefits of utilizing on-site and off-site renewable energy sources for the single family detached house. International Journal of Energy and Environmental Engineering, 2016, 7, 145-166.	1.3	11
251	Fabrication and characterization of low-cost and green vacuum insulation panels with fumed silica/rice husk ash hybrid core material. Materials and Design, 2016, 107, 440-449.	3.3	32
252	Product-oriented climate policy: learning from the past to shape the future. Journal of Cleaner Production, 2016, 128, 209-220.	4.6	14
253	A new way of thinking about environmental building standards: Developing and demonstrating a client-led zero-energy standard. Building Services Engineering Research and Technology, 2016, 37, 413-430.	0.9	4
254	Photovoltaics' architectural and landscape design options for Net Zero Energy Buildings, towards Net Zero Energy Communities: spatial features and outdoor thermal comfort related considerations. Progress in Photovoltaics: Research and Applications, 2016, 24, 477-495.	4.4	20
255	Parabolic Trough Collector Performance in a Hot Climate. Journal of Energy Engineering - ASCE, 2016, 142, .	1.0	8
256	Achieving annual and monthly net-zero energy of existing building in hot climate. Applied Energy, 2016, 165, 511-521.	5.1	90
257	Roof top PV retrofitting: A rehabilitation assessment towards nearly zero energy buildings in remote off-grid vernacular settlements in Egypt. Solar Energy, 2016, 123, 160-173.	2.9	31
258	Choosing by advantages: A case study for selecting an HVAC system for a net zero energy museum. Energy and Buildings, 2016, 111, 26-36.	3.1	48
259	Optimization framework for distributed energy systems with integrated electrical grid constraints. Applied Energy, 2016, 171, 296-313.	5.1	121

#	Article	IF	CITATIONS
260	A review of underground building towards thermal energy efficiency and sustainable development. Renewable and Sustainable Energy Reviews, 2016, 60, 692-713.	8.2	64
261	Energy performance heterogeneity in China׳s buildings sector: A data-driven investigation. Renewable and Sustainable Energy Reviews, 2016, 58, 1587-1600.	8.2	17
262	Prospects of energy conservation and management in buildings – The Saudi Arabian scenario versus global trends. Renewable and Sustainable Energy Reviews, 2016, 58, 1647-1663.	8.2	62
263	The impact of building orientation and discount rates on a Portuguese reference building refurbishment decision. Energy Policy, 2016, 91, 329-340.	4.2	27
264	Influence of PV technology and system design on the emission balance of a net zero emission building concept. Solar Energy, 2016, 130, 89-100.	2.9	32
265	User satisfaction and well-being in energy efficient office buildings: Evidence from cutting-edge projects in Austria. Energy and Buildings, 2016, 118, 18-26.	3.1	29
266	A multi-criterion renewable energy system design optimization for net zero energy buildings under uncertainties. Energy, 2016, 94, 654-665.	4.5	136
267	A planning process map for solar buildings in urban environments. Renewable and Sustainable Energy Reviews, 2016, 57, 173-185.	8.2	45
268	A review of renewable energy applications in buildings in the hot-summer and warm-winter region of China. Renewable and Sustainable Energy Reviews, 2016, 57, 327-336.	8.2	38
269	Simulation study of a naturally-ventilated building integrated photovoltaic/thermal (BIPV/T) envelope. Renewable Energy, 2016, 87, 517-531.	4.3	60
270	A model for the optimal design and management of a cogeneration system with energy storage. Energy and Buildings, 2016, 124, 241-247.	3.1	53
271	Experimental analysis of a self consumption strategy for residential building: The integration of PV system and geothermal heat pump. Renewable Energy, 2016, 86, 1075-1085.	4.3	80
272	Assessment of energy and environmental performance of office building models: A case study. Energy and Buildings, 2016, 115, 11-22.	3.1	20
273	Identifying key design parameters of the integrated energy system for a residential Zero Emission Building in Norway. Renewable Energy, 2016, 87, 1076-1087.	4.3	30
274	Encapsulation of Tandem Organic Luminescence Solar Concentrator With Optically Transparent Triple Layers of SiO ₂ /Epoxy/SiO ₂ . IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 82-87.	1.9	8
275	Multiobjective optimization design of green building envelope material using a non-dominated sorting genetic algorithm. Applied Thermal Engineering, 2017, 111, 1255-1264.	3.0	72
276	Design of Financial Incentive Programs Pub _newline ? to Promote Net Zero Energy Buildings. IEEE Transactions on Power Systems, 2017, 32, 75-84.	4.6	23
277	Zero-energy hydrogen economy (ZEH2E) for buildings and communities including personal mobility. Renewable and Sustainable Energy Reviews, 2017, 71, 697-711.	8.2	76

#	ARTICLE	IF	Citations
278	An optimization framework for building energy retrofits decision-making. Building and Environment, 2017, 115, 118-129.	3.0	144
279	Silver nanoparticles as low-emissivity coating materials. Translational Materials Research, 2017, 4, 015001.	1.2	16
280	Experimental study on Venturi-type natural ventilator. Energy and Buildings, 2017, 139, 232-241.	3.1	7
281	Design technology based on resizing method for reduction of costs and carbon dioxide emissions of high-rise buildings. Energy and Buildings, 2017, 138, 612-620.	3.1	24
282	Demand Side Management in Microgrids for Load Control in Nearly Zero Energy Buildings. IEEE Transactions on Industry Applications, 2017, 53, 1769-1779.	3.3	75
283	Quantitative analysis on a zero energy building performance from energy trilemma perspective. Sustainable Cities and Society, 2017, 32, 130-141.	5.1	28
285	A review on current advances in the energy and environmental performance of buildings towards a more sustainable built environment. Renewable and Sustainable Energy Reviews, 2017, 77, 845-860.	8.2	151
286	Environmental and energy impact of the EPBD in residential buildings in cold Mediterranean zones: The case of Spain. Energy and Buildings, 2017, 150, 567-582.	3.1	30
287	Life-cycle cost analyses of heat pump concepts for Finnish new nearly zero energy residential buildings. Energy and Buildings, 2017, 150, 396-402.	3.1	40
288	Thermal comfort and indoor air quality of the "Concept 22/26â€, a new high performance building standard. Energy and Buildings, 2017, 149, 114-122.	3.1	6
289	Life cycle embodied energy analysis of residential buildings: A review of literature to investigate embodied energy parameters. Renewable and Sustainable Energy Reviews, 2017, 79, 390-413.	8.2	185
290	Smart Energy Control Systems for Sustainable Buildings. Smart Innovation, Systems and Technologies, 2017, , .	0.5	5
291	Probabilistic life cycle costing of existing buildings retrofit interventions towards nZE target: Methodology and application example. Energy and Buildings, 2017, 144, 416-432.	3.1	40
292	Sustainability in Buildings – A Teaching Approach. Energy Procedia, 2017, 107, 15-22.	1.8	3
293	Fuel Cell Amplifier: An Innovative Hybrid CHP Unit for Small Medium Size Buildings. Energy Procedia, 2017, 107, 332-339.	1.8	1
294	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
295	Evaluation of the performance gap in industrial, residential & Energy and Buildings, 2017, 148, 58-73.	3.1	93
297	An Experimental Performance Evaluation of a Cold-Region Photovoltaic System With Tracking. Journal of Solar Energy Engineering, Transactions of the ASME, 2017, 139, .	1.1	1

#	Article	IF	Citations
298	Super-insulated wooden envelopes in Mediterranean climate: Summer overheating, thermal comfort optimization, environmental impact on an Italian case study. Energy and Buildings, 2017, 138, 716-732.	3.1	38
299	Variation of household electricity consumption and potential impact of outdoor PM2.5 concentration: A comparison between Singapore and Shanghai. Applied Energy, 2017, 188, 475-484.	5.1	23
300	The impact of Zero Energy Buildings on the Scandinavian energy system. Energy, 2017, 118, 284-296.	4.5	59
301	A multi-objective life cycle approach for optimal building design: A case study in Finnish context. Journal of Cleaner Production, 2017, 143, 1021-1035.	4.6	51
302	Distributed resources coordination inside nearly-zero energy buildings providing grid voltage support from a symmetrical component perspective. Electric Power Systems Research, 2017, 144, 208-214.	2.1	8
303	An ecological understanding of net-zero energy building: Evaluation of sustainability based on emergy theory. Journal of Cleaner Production, 2017, 143, 654-671.	4.6	43
304	Definition of Parameters Useful to Describe Dynamic Thermal Behavior of Hollow Bricks. Energy Procedia, 2017, 126, 50-57.	1.8	5
305	Synthesis of Silica-Based Nano Insulation Materials for Potential Application in Low-Energy or Zero Emission Buildings. Energy Procedia, 2017, 122, 949-954.	1.8	10
306	Enhancing energy efficiency in residential buildings through the use of BIM: The case for embedding parameters during design. Energy Procedia, 2017, 121, 57-64.	1.8	20
307	Working with models: Social and material relations entangled with energy efficiency modelling in Sweden. Energy Research and Social Science, 2017, 34, 224-230.	3.0	7
308	Social transition from energy consumers to prosumers: Rethinking the purpose and functionality of eco-feedback technologies. Sustainable Cities and Society, 2017, 35, 615-625.	5.1	41
309	Net zero energy home including photovoltaic solar cells, wind turbines, battery energy storage systems and hydrogen vehicles. , 2017, , .		4
310	Upgrading Qualifications of European Energy Professionals in NZEB – The MEnS Project. Procedia Environmental Sciences, 2017, 38, 898-904.	1.3	2
312	Does window-to-wall ratio have a significant effect on the energy consumption of buildings? A parametric analysis in Italian climate conditions. Journal of Building Engineering, 2017, 13, 169-183.	1.6	108
313	A simulation based comparison of AC and DC power distribution networks in buildings. , 2017, , .		18
314	Built environment energy trade-offs scaling. Energy, 2017, 141, 1374-1383.	4.5	0
315	Polygeneration systems in buildings: A survey on optimization approaches. Energy and Buildings, 2017, 151, 439-454.	3.1	64
316	Towards Zero Energy and Zero Emission Buildings—Definitions, Concepts, and Strategies. Current Sustainable/Renewable Energy Reports, 2017, 4, 63-71.	1.2	11

#	ARTICLE	IF	CITATIONS
317	Building Automation and Control Systems and performance optimization: A framework for analysis. Renewable and Sustainable Energy Reviews, 2017, 75, 313-330.	8.2	118
318	Robust optimal design of renewable energy system in nearly/net zero energy buildings under uncertainties. Applied Energy, 2017, 187, 62-71.	5.1	92
319	Canadian low-energy housing: National energy context, and a case study of a demonstration house with focus on its ground-source heat pump. Science and Technology for the Built Environment, 2017, 23, 651-668.	0.8	2
320	A nZEB housing structure derived from end of life containers: Energy, lighting and life cycle assessment. Building Simulation, 2017, 10, 165-181.	3.0	19
321	Ventilative cooling application in Mediterranean buildings: impacts on grid interaction and load match. International Journal of Ventilation, 2017, 16, 99-111.	0.2	6
322	Life cycle assessment (LCA) of building refurbishment: A literature review. Energy and Buildings, 2017, 135, 286-301.	3.1	287
323	PCM thermal storage design in buildings: Experimental studies and applications to solaria in cold climates. Applied Energy, 2017, 185, 95-106.	5.1	137
324	An analysis on how proposed requirements for near zero energy buildings manages PV electricity in combination with two different types of heat pumps and its policy implications – A Swedish example. Energy Policy, 2017, 101, 10-19.	4.2	26
325	Factors governing mass transfer during membrane electrodialysis regeneration of LiCl solution for liquid desiccant dehumidification systems. Sustainable Cities and Society, 2017, 28, 30-41.	5.1	35
326	New Envelopes. , 2017, , 127-173.		6
327	High-Level Framework for GIS-Based Optimization of Building Photovoltaic Potential at Urban Scale Using BIM and LiDAR. , 2017, , .		5
328	Obtaining a NZEB in Mediterranean climate by using only on-site renewable energy: is it a realistic goal?. Energy Procedia, 2017, 140, 23-35.	1.8	13
329	Life cycle energy performances of a Net Zero Energy prefabricated building in Sicily. Energy Procedia, 2017, 140, 486-494.	1.8	12
330	Design and optimization of zero-energy-consumption based solar energy residential building systems. IOP Conference Series: Earth and Environmental Science, 2017, 93, 012055.	0.2	1
331	Design and performance analysis of a zero-energy settlement in Greece. International Journal of Low-Carbon Technologies, 2017, 12, 141-161.	1.2	15
332	Choosing measures for energy efficient hospital buildings., 2017,,.		5
333	Energy Positivity and Flexibility in Districts. , 2017, , 7-30.		3
335	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

#	Article	IF	CITATIONS
336	Testing and evaluation of dynamic energy simulations for the development of an intelligent management of energy for the ADREAM smart building. , 2017 , , .		0
337	Worldwide Research on Energy Efficiency and Sustainability in Public Buildings. Sustainability, 2017, 9, 1294.	1.6	87
338	Nearly Zero Energy Standard for Non-Residential Buildings with high Energy Demandsâ€"An Empirical Case Study Using the State-Related Properties of BAVARIA. Buildings, 2017, 7, 25.	1.4	5
339	An Assisted Workflow for the Early Design of Nearly Zero Emission Healthcare Buildings. Energies, 2017, 10, 993.	1.6	12
340	Energy Refurbishment of an Office Building with Hybrid Photovoltaic System and Demand-Side Management. Energies, 2017, 10, 1117.	1.6	10
341	Demand Side Management in Nearly Zero Energy Buildings Using Heuristic Optimizations. Energies, 2017, 10, 1131.	1.6	48
342	Optimal Design of a Multi-Carrier Microgrid (MCMG) Considering Net Zero Emission. Energies, 2017, 10, 2109.	1.6	15
343	Evaluating the financial efficiency of energy and water saving installations in passive house. E3S Web of Conferences, 2017, 22, 00168.	0.2	19
344	The living building: integrating the built environment with nature evaluating the Bibliotheca of Alexandria according to the challenge imperatives. International Journal of Low-Carbon Technologies, 2017, 12, 244-255.	1.2	3
345	Adaptable equivalent circuit model for electrochemical storage elements as a part of energy system modeling for ZEB., 2017,,.		0
346	Optimizing Existing Multistory Building Designs towards Net-Zero Energy. Sustainability, 2017, 9, 399.	1.6	19
347	Optimization of the proton exchange membrane fuel cell hybrid power system for residential buildings. Energy Conversion and Management, 2018, 163, 22-37.	4.4	50
348	Energy flexible buildings: An evaluation of definitions and quantification methodologies applied to thermal storage. Energy and Buildings, 2018, 166, 372-390.	3.1	145
349	Parametric design to minimize the embodied GHG emissions in a ZEB. Energy and Buildings, 2018, 167, 106-123.	3.1	81
350	Building Performance and Post Occupancy Evaluation for an off-grid low carbon and solar PV plus-energy powered building. A case from the Western Desert in Egypt. Journal of Building Engineering, 2018, 18, 418-428.	1.6	16
351	Green public procurement $\hat{a} \in A$ case study of an innovative building project in Norway. Journal of Cleaner Production, 2018, 188, 879-887.	4.6	59
352	Transparent heat regulating (THR) materials and coatings for energy saving window applications: Impact of materials design, micro-structural, and interface quality on the THR performance. Progress in Materials Science, 2018, 95, 42-131.	16.0	128
353	Statistical methodology to assess changes in the electrical consumption profile of buildings. Energy and Buildings, 2018, 164, 99-108.	3.1	22

#	Article	IF	CITATIONS
354	Grid-independent residential buildings with renewable energy sources. Energy, 2018, 148, 448-460.	4.5	32
355	How green building rating systems affect designing green. Building and Environment, 2018, 133, 19-31.	3.0	92
356	Selecting HVAC systems to achieve comfortable and cost-effective residential net-zero energy buildings. Applied Energy, 2018, 212, 577-591.	5.1	101
357	Embodied energy analysis of higher education buildings using an input-output-based hybrid method. Energy and Buildings, 2018, 161, 41-54.	3.1	45
358	Selection of optimization objectives for decision-making in building energy retrofits. Building and Environment, 2018, 130, 94-103.	3.0	64
359	\hat{l}^2 -Substituted ZnII porphyrins as dyes for DSSC: A possible approach to photovoltaic windows. Coordination Chemistry Reviews, 2018, 358, 153-177.	9.5	85
360	Improved adhesion of multi-layered front electrodes of transparent a-Si:H solar cells for varying front colors. Solar Energy Materials and Solar Cells, 2018, 183, 92-100.	3.0	9
361	Towards the development of a net-zero energy district evaluation approach: A review of sustainable approaches and assessment tools. Sustainable Cities and Society, 2018, 39, 784-800.	5.1	60
362	Is a net life cycle balance for energy and materials achievable for a zero emission single-family building in Norway?. Energy and Buildings, 2018, 168, 457-469.	3.1	28
363	Housing stock in cold-climate countries: Conversion challenges for net zero emission buildings. Applied Energy, 2018, 217, 88-100.	5.1	24
364	Towards an efficient energy management to reduce CO <inf>2</inf> emissions and billing cost in smart buildings. , 2018, , .		9
365	Invigorating polyurethane foams with phase change materials supported in inorganic containers. Polymer Composites, 2018, 39, 1420-1432.	2.3	5
366	Design scenarios for renovation of sports complex: a case study. International Journal of Sustainable Energy, 2018, 37, 105-114.	1.3	0
367	A simulation-based efficiency comparison of AC and DC power distribution networks in commercial buildings. Applied Energy, 2018, 210, 1167-1187.	5.1	126
368	Performance of a reversible heat pump/organic Rankine cycle unit coupled with a passive house to get a positive energy building. Journal of Building Performance Simulation, 2018, 11, 19-35.	1.0	15
369	Identification of cost-optimal and NZEB refurbishment levels for representative climates and building typologies across Europe. Energy Efficiency, 2018, 11, 337-369.	1.3	55
370	Technical and economic evaluation of thin-film CdTe building-integrated photovoltaics (BIPV) replacing façade and rooftop materials in office buildings in a warm and sunny climate. Renewable Energy, 2018, 118, 84-98.	4.3	112
371	A review of Net Zero Energy Buildings with reflections on the Australian context. Energy and Buildings, 2018, 158, 616-628.	3.1	141

#	Article	IF	CITATIONS
372	Energy performance analysis of an office building in three climate zones. Energy and Buildings, 2018, 158, 1023-1035.	3.1	27
373	Techno-economical Analysis based on a Parametric Computational Evaluation for decision process on envelope technologies and configurations. Energy and Buildings, 2018, 158, 736-749.	3.1	11
374	New consumer-dependent energy management system to reduce cost and carbon impact in smart buildings. Sustainable Cities and Society, 2018, 39, 740-750.	5.1	25
375	Path toward net-zero buildings: a natural capital assessment framework. Clean Technologies and Environmental Policy, 2018, 20, 201-218.	2.1	5
376	Distributed evolutionary algorithm for co-optimization of building and district systems for early community energy masterplanning. Applied Soft Computing Journal, 2018, 63, 14-22.	4.1	20
377	Involving occupants in net-zero-energy solar housing retrofits: An Australian sub-tropical case study. Solar Energy, 2018, 159, 390-404.	2.9	29
378	Airborne bacterial assemblage in a zero carbon building: A case study. Indoor Air, 2018, 28, 40-50.	2.0	11
379	Rheology of Clay and Clay Housing in Bensmim. , 2018, , .		1
380	Analysis of Load Match in Nearly Zero Energy Buildings. , 2018, , .		3
381	Study on Energy Management System for Energy Saving on Semi Underground Rotary Parking Lot. , 2018, , .		2
382	A review of zero energy housing regulations for low-income households. International Journal of Knowledge-Based Development, 2018, 9, 343.	0.4	3
383	Demand-Side Energy Management in an Administrative Building by Considering Generation Optimization. , $2018, , .$		0
385	Energy Simulation of Proposed Net Zero Energy Laboratory Building in Central America. , 2018, , .		4
386	Energy Consumption Optimization through Dynamic Simulations for an Intelligent Energy Management of a BIPV Building. , 2018, , .		16
387	Potential Impacts of Net-Zero Energy Buildings With Distributed Photovoltaic (PV) Power Generation on the Electrical Grid. , 2018, , .		0
388	Machine learning for estimation of building energy consumption and performance: a review. Visualization in Engineering, 2018, 6, .	8.8	238
389	Net-zero nation: HVAC and PV systems for residential net-zero energy buildings across the United States. Energy Conversion and Management, 2018, 177, 605-628.	4.4	80
390	Promoting and implementing urban sustainability in China: An integration of sustainable initiatives at different urban scales. Habitat International, 2018, 82, 83-93.	2.3	170

#	Article	IF	CITATIONS
391	Potential to reduce energy consumption and GHG emissions by using renewable energy technologies in the conversion of existing houses into net-zero and near net-zero energy buildings. , 2018, , .		1
392	Electricity self-sufficiency of single-family houses in Germany and the Czech Republic. Applied Energy, 2018, 228, 902-915.	5.1	25
393	A dialectical system framework of zero carbon emission building policy for high-rise high-density cities: Perspectives from Hong Kong. Journal of Cleaner Production, 2018, 205, 1-13.	4.6	49
394	Review on performance aspects of nearly zero-energy districts. Sustainable Cities and Society, 2018, 43, 406-420.	5.1	80
395	Review of district-scale energy performance analysis: Outlooks towards holistic urban frameworks. Sustainable Cities and Society, 2018, 41, 252-264.	5.1	42
396	Ground heat exchangers: Applications, technology integration and potentials for zero energy buildings. Renewable Energy, 2018, 128, 337-349.	4.3	73
397	A systems simulation framework to realize net-zero building energy retrofits. Sustainable Cities and Society, 2018, 41, 405-420.	5.1	28
398	A Review of Internet of Energy Based Building Energy Management Systems: Issues and Recommendations. IEEE Access, 2018, 6, 38997-39014.	2.6	177
399	Learning and teaching engineering design through modeling and simulation on a CAD platform. Computer Applications in Engineering Education, 2018, 26, 824-840.	2.2	75
401	A top-down control method of nZEBs for performance optimization at nZEB-cluster-level. Energy, 2018, 159, 891-904.	4.5	45
402	Local Energy Management and Optimization: A Novel Energy Universal Service Bus System Based on Energy Internet Technologies. Energies, 2018, 11, 1160.	1.6	17
403	Consumers' Willingness to Pay for Net-Zero Energy Apartment in South Korea. Sustainability, 2018, 10, 1564.	1.6	9
404	Response-surface-model-based system sizing for Nearly/Net zero energy buildings under uncertainty. Applied Energy, 2018, 228, 1020-1031.	5.1	55
405	The carbon footprint of buildings: A review of methodologies and applications. Renewable and Sustainable Energy Reviews, 2018, 94, 1142-1152.	8.2	154
406	Solar Energy Potential Assessment on Rooftops and Facades in Large Built Environments Based on LiDAR Data, Image Processing, and Cloud Computing. Methodological Background, Application, and Validation in Geneva (Solar Cadaster). Frontiers in Built Environment, 2018, 4, .	1.2	64
407	Standards and policies for very high energy efficiency in the urban building sector towards reaching the 1.5°C target. Current Opinion in Environmental Sustainability, 2018, 30, 103-114.	3.1	21
408	Considering user profiles and occupants' behaviour on a zero energy renovation strategy for multi-family housing in the Netherlands. Energy Efficiency, 2018, 11, 1847-1870.	1.3	29
409	Optimization approaches and climates investigations in NZEB—A review. Building Simulation, 2018, 11, 923-952.	3.0	53

#	ARTICLE	IF	Citations
410	A robust design of nearly zero energy building systems considering performance degradation and maintenance. Energy, 2018, 163, 905-919.	4.5	29
411	Space heating control using acceptable set-point temperature estimation by a statistical approach in the lyon smart community project. , $2018, \ldots$		4
412	Circular economy and Cradle to Cradle in educational practice. Journal of Integrative Environmental Sciences, 2018, 15, 119-134.	1.0	43
413	Challenges in the Modeling and Simulation of Green Buildings. , 2018, , 3-34.		O
414	Boundary Objects As Facilitators in Sustainable Building Research. Science and Public Policy, 2018, 45, 202-210.	1.2	2
415	Evolution of Definitions and Approaches. , 2018, , 21-51.		6
416	5.11 Smart Energy Management. , 2018, , 423-456.		5
417	Effectivity–ecosphere–economics in nZEB retrofit procedures. Environmental Science and Pollution Research, 2019, 26, 29544-29559.	2.7	7
418	Energy Sharing of Zero-Energy Buildings: A Consensus-Based Approach. IEEE Access, 2019, 7, 62172-62183.	2.6	5
419	A comprehensive analysis on definitions, development, and policies of nearly zero energy buildings in China. Renewable and Sustainable Energy Reviews, 2019, 114, 109314.	8.2	123
420	A review of net zero energy buildings in hot and humid climates: Experience learned from 34 case study buildings. Renewable and Sustainable Energy Reviews, 2019, 114, 109303.	8.2	174
421	Towards an optimized zero energy solar house: A critical analysis of passive and active design strategies used in Solar Decathlon Europe in Madrid. Journal of Cleaner Production, 2019, 236, 117646.	4.6	41
422	Investigations of climate change impacts on net-zero energy building lifecycle performance in typical Chinese climate regions. Energy, 2019, 185, 176-189.	4.5	37
423	Influence of inclined wall self-shading strategy on office building heat gain and energy performance in hot humid climate of Malaysia. Heliyon, 2019, 5, e02077.	1.4	13
424	Study of operational strategies for a hybrid solar-geothermal heat pump system. Building Simulation, 2019, 12, 697-710.	3.0	17
425	A building integrated solar thermal collector with active steel skins. Energy and Buildings, 2019, 201, 134-147.	3.1	11
426	Fully mixed air model based cooling load estimation method for both stratum ventilation and displacement ventilation. Energy and Buildings, 2019, 199, 247-263.	3.1	11
427	Conceptual assessment of energy input-output analysis and data envelopment analysis of greenhouse crops in Crete Island, Greece. Environmental Science and Pollution Research, 2019, 26, 35377-35386.	2.7	12

#	Article	IF	CITATIONS
428	Energy balance evaluation and optimization of photovoltaic systems for zero energy residential buildings in different climate zones of China. Journal of Cleaner Production, 2019, 235, 1202-1215.	4.6	48
429	Zero Energy in the Built Environment: A Holistic Understanding. Applied Sciences (Switzerland), 2019, 9, 3375.	1.3	8
430	A field study of space heating control using acceptable set-point temperature estimation: winter experiment in Japan office. E3S Web of Conferences, 2019, 111, 05001.	0.2	2
431	On the topology for a smart direct current microgrid for a cluster of zero-net energy buildings. , 2019, , 455-481.		4
432	Daily-seasonal operation in net-zero energy building powered by hybrid renewable energies and hydrogen storage systems. Energy Conversion and Management, 2019, 201, 112156.	4.4	83
433	Air infiltrations and energy demand for residential low energy buildings in warm climates. Renewable and Sustainable Energy Reviews, 2019, 116, 109469.	8.2	25
434	Monitored performance of the first energy+ autonomous building in Dubai. Energy and Buildings, 2019, 205, 109545.	3.1	13
435	Building impact assessment—A combined life cycle assessment and multi-criteria decision analysis framework. Resources, Conservation and Recycling, 2019, 150, 104410.	5.3	30
436	An assessment of greenhouse gas emissions from CLT and glulam in two residential nearly zero energy buildings. Wood Material Science and Engineering, 2019, 14, 342-354.	1.1	20
437	Responsive Smart Windows Enabled by the Azobenzene Copolymer Brush with Photothermal Effect. ACS Applied Materials & Samp; Interfaces, 2019, 11, 37026-37034.	4.0	36
438	Towards the nearly zero and the plus energy building: Primary energy balances and economic evaluations. Thermal Science and Engineering Progress, 2019, 13, 100400.	1.3	23
439	Planning and operation of an integrated energy system in a Swedish building. Energy Conversion and Management, 2019, 199, 111920.	4.4	29
440	Potential Impacts of Net-Zero Energy Buildings With Distributed Photovoltaic Power Generation on the U.S. Electrical Grid. Journal of Energy Resources Technology, Transactions of the ASME, 2019, 141, .	1.4	11
441	Exploring the pathway from zero-energy to zero-emission building solutions: A case study of a Norwegian office building. Energy and Buildings, 2019, 188-189, 84-97.	3.1	55
442	Quantifying the rebound effects of residential solar panel adoption. Journal of Environmental Economics and Management, 2019, 96, 310-341.	2.1	72
443	A review of assessment methods for the urban environment and its energy sustainability to guarantee climate adaptation of future cities. Renewable and Sustainable Energy Reviews, 2019, 112, 733-746.	8.2	128
444	Investigating the potential impact of energy-efficient measures for retrofitting existing UK hotels to reach the nearly zero energy building (nZEB) standard. Energy Efficiency, 2019, 12, 1577-1594.	1.3	27
445	A Moisture-Penetrating Humidity Pump Directly Powered by One-Sun Illumination. IScience, 2019, 15, 502-513.	1.9	28

#	Article	IF	CITATIONS
446	Smart cities survey: Technologies, application domains and challenges for the cities of the future. International Journal of Distributed Sensor Networks, 2019, 15, 155014771985398.	1.3	143
447	Literature Review of Net Zero and Resilience Research of the Urban Environment: A Citation Analysis Using Big Data. Energies, 2019, 12, 1539.	1.6	8
448	A review of performance of zero energy buildings and energy efficiency solutions. Journal of Building Engineering, 2019, 25, 100772.	1.6	204
449	Use of Automated Control Systems and Advanced Energy Simulations in the Design of Climate Responsive Educational Building for Mediterranean Area. Sustainability, 2019, 11, 1660.	1.6	12
450	A collaborative demand control of nearly zero energy buildings in response to dynamic pricing for performance improvements at cluster level. Energy, 2019, 174, 911-921.	4.5	31
451	Evidence-based ranking of green building design factors according to leading energy modelling tools. Sustainable Cities and Society, 2019, 47, 101491.	5.1	16
452	Green envelope as an architectural strategy for energy efficiency in a library building. MATEC Web of Conferences, 2019, 266, 01004.	0.1	3
453	Interactive energetic, environmental and economic analysis of renewable hybrid energy system. International Journal on Interactive Design and Manufacturing, 2019, 13, 885-899.	1.3	12
454	Energy cost minimization for net zero energy homes through optimal sizing of battery storage system. Renewable Energy, 2019, 141, 278-286.	4.3	85
455	Net Zero Buildingsâ€"A Framework for an Integrated Policy in Chile. Sustainability, 2019, 11, 1494.	1.6	23
456	Bioclimatic design strategies: A guideline to enhance human thermal comfort in Cfa climate zones. Journal of Building Engineering, 2019, 25, 100758.	1.6	25
457	Comparative assessments of the performances of PV/T and conventional solar plants. Journal of Cleaner Production, 2019, 219, 304-315.	4.6	82
458	A morphological approach for kinetic façade design process to improve visual and thermal comfort: Review. Building and Environment, 2019, 153, 186-204.	3.0	104
459	Analysis of energy consumption improvements of a zero-energy building in a humid mountainous area. Journal of Renewable and Sustainable Energy, 2019, 11, .	0.8	56
460	Energy efficient building in the Arctic. IOP Conference Series: Materials Science and Engineering, 2019, 643, 012101.	0.3	0
461	Analysing the challenges of designing Nearly Zero Energy Buildings and retrofitting of the existing housing stuck in Nigeria: A study of South-Eastern Nigeria IOP Conference Series: Materials Science and Engineering, 2019, 609, 072072.	0.3	0
462	Energy Budget for Zero Energy Consumption Building of Thai Style Mediation based on PV System. , 2019, , .		4
463	New town hall in Freiburg (D): concept, performance and energy balance after the first year of monitoring of a large net plus-energy building. IOP Conference Series: Earth and Environmental Science, 0, 352, 012003.	0.2	3

#	Article	IF	CITATIONS
464	A tool for the parametric assessment of operational energy use and embodied GHG emissions in a single-family house concept study. IOP Conference Series: Earth and Environmental Science, 2019, 352, 012012.	0.2	0
465	Potential Reconstruction Design of an Existing Townhouse in Washington DC for Approaching Net Zero Energy Building Goal. Sustainability, 2019, 11, 6631.	1.6	22
466	Electric Load Influence on Performances of a Composite Plant for Hydrogen Production from RES and its Conversion in Electricity. Sustainability, $2019, 11, 6362$.	1.6	3
467	Performance Simulation and Evaluation of Net Zero Energy Buildings in an Australian Coastal Climate. Smart Innovation, Systems and Technologies, 2019, , 343-358.	0.5	0
468	Identifying and supporting exploratory and exploitative models of innovation in municipal urban planning; key challenges from seven Norwegian energy ambitious neighborhood pilots. Technological Forecasting and Social Change, 2019, 142, 142-153.	6.2	32
469	A performance evaluation of future low voltage grids in presence of prosumers modelled in high temporal resolution. Sustainable Cities and Society, 2019, 44, 702-714.	5.1	7
470	Impact of introducing penalty-cost on optimal design of renewable energy systems for net zero energy buildings. Applied Energy, 2019, 235, 106-116.	5.1	23
471	A review on optimization and cost-optimal methodologies in low-energy buildings design and environmental considerations. Sustainable Cities and Society, 2019, 45, 87-104.	5.1	87
472	Building Automation for Energy Efficiency. , 2019, , 597-673.		0
473	A clustering based grouping method of nearly zero energy buildings for performance improvements. Applied Energy, 2019, 235, 43-55.	5.1	43
474	Development and analysis of strategies to facilitate the conversion of Canadian houses into net zero energy buildings. Energy Policy, 2019, 126, 118-130.	4.2	24
475	From Efficient to Sustainable and Zero Energy Consumption Buildings. , 2019, , 75-205.		6
476	A Digital-Twin Evaluation of Net Zero Energy Building for Existing Buildings. Sustainability, 2019, 11, 159.	1.6	131
477	Northern European nearly zero energy building concepts for apartment buildings using integrated solar technologies and dynamic occupancy profile: Focus on Finland and other Northern European countries. Applied Energy, 2019, 237, 598-617.	5.1	61
478	What is a Nearly zero energy building? Overview, implementation and comparison of definitions. Journal of Building Engineering, 2019, 21, 200-212.	1.6	239
479	Building to vehicle to building concept toward a novel zero energy paradigm: Modelling and case studies. Renewable and Sustainable Energy Reviews, 2019, 101, 625-648.	8.2	113
480	Application and suitability analysis of the key technologies in nearly zero energy buildings in China. Renewable and Sustainable Energy Reviews, 2019, 101, 329-345.	8.2	215
481	Modeling and analysis of Building Attached Photovoltaic Integrated Shading Systems (BAPVIS) aiming for zero energy buildings in hot regions. Journal of Building Engineering, 2019, 21, 18-27.	1.6	19

#	Article	IF	CITATIONS
482	Transitioning to a 100% renewable energy system in Denmark by 2050: assessing the impact from expanding the building stock at the same time. Energy Efficiency, 2019, 12, 37-55.	1.3	23
483	Review of control strategies for improving the energy flexibility provided by heat pump systems in buildings. Journal of Process Control, 2019, 74, 35-49.	1.7	110
484	The influence of climate change on renewable energy systems designed to achieve zero energy buildings in the present: A case study in the Brazilian Savannah. Sustainable Cities and Society, 2020, 52, 101843.	5.1	30
485	Net-zero energy building design and life-cycle cost analysis with air-source variable refrigerant flow and distributed photovoltaic systems. Renewable and Sustainable Energy Reviews, 2020, 118, 109508.	8.2	35
486	Metamodeling of mean radiant temperature to optimize glass facade design in PMV-based comfort controlled space. Building Simulation, 2020, 13, 271-286.	3.0	7
487	Grid interaction and environmental impact of a net zero energy building. Energy Conversion and Management, 2020, 203, 112228.	4.4	63
488	Incorporating an agent-based decision tool to better understand occupant pathways to GHG reductions in NYC buildings. Cities, 2020, 97, 102503.	2.7	8
489	A review of data centers as prosumers in district energy systems: Renewable energy integration and waste heat reuse for district heating. Applied Energy, 2020, 258, 114109.	5.1	160
490	Bottom-up energy supply optimization of a national building stock. Energy and Buildings, 2020, 209, 109667.	3.1	24
491	Smart home technologies in Europe: A critical review of concepts, benefits, risks and policies. Renewable and Sustainable Energy Reviews, 2020, 120, 109663.	8.2	223
492	Energy performance optimization of existing buildings: A literature review. Sustainable Cities and Society, 2020, 54, 101967.	5.1	107
493	Heuristic optimization for grid-interactive net-zero energy building design through the glowworm swarm algorithm. Energy and Buildings, 2020, 208, 109644.	3.1	25
494	Achieving net zero life cycle primary energy and greenhouse gas emissions apartment buildings in a Mediterranean climate. Applied Energy, 2020, 280, 115932.	5.1	42
495	Parametric Design to Maximize Solar Irradiation and Minimize the Embodied GHG Emissions for a ZEB in Nordic and Mediterranean Climate Zones. Energies, 2020, 13, 4981.	1.6	19
496	Building Energy Renovation and Smart Integration of Renewables in a Social Housing Block Toward Nearly-Zero Energy Status. Frontiers in Energy Research, 2020, 8, .	1.2	5
497	Combining bioclimatic strategies with efficient HVAC plants to reach nearly-zero energy building goals in Mediterranean climate. Sustainable Cities and Society, 2020, 63, 102479.	5.1	21
498	Zero-energy log house – Future concept for an energy efficient building in the Nordic conditions. Energy and Buildings, 2020, 228, 110449.	3.1	36
499	Knowledge, attitude and practice towards zero carbon buildings: Hong Kong case. Journal of Cleaner Production, 2020, 274, 122819.	4.6	15

#	Article	IF	CITATIONS
500	Optimum envelope design toward zero energy buildings in Iran. E3S Web of Conferences, 2020, 172, 16004.	0.2	6
501	Perovskite Solar Cells for BIPV Application: A Review. Buildings, 2020, 10, 129.	1.4	60
502	Evaluation of passive design strategies to achieve NZEB in the corporate facilities: the context of Bangladeshi subtropical monsoon climate. International Journal of Building Pathology and Adaptation, 2021, 39, 619-654.	0.7	3
503	EVALUATION OF NEAR-NET-ZERO-ENERGY BUILDING STRATEGIES: A CASE STUDY ON RESIDENTIAL BUILDINGS IN JORDAN. International Journal of Energy Economics and Policy, 2020, 10, 325-336.	0.5	10
504	Integrating energy and water optimization in buildings using multi-objective mixed-integer linear programming. Sustainable Cities and Society, 2020, 62, 102409.	5.1	38
505	A collaborative project delivery method for design of a high-performance building. International Journal of Managing Projects in Business, 2020, 13, 1141-1165.	1.3	15
506	The applicability of nearly/net zero energy residential buildings in Brazil – A study of a low standard dwelling in three different Brazilian climate zones. Indoor and Built Environment, 2020, , 1420326X2096115.	1.5	8
507	Advances Toward a Net-Zero Global Building Sector. Annual Review of Environment and Resources, 2020, 45, 227-269.	5. 6	86
508	Contrasting Definitions of High Energy Performance Buildings. E3S Web of Conferences, 2020, 172, 16005.	0.2	1
509	Economic and Environmental Analysis of nZEB model with smartification building using MILP., 2020,,.		1
510	Energy Management in the Operation of Enterprises in the Light of the Applicable Provisions of the Energy Efficiency Directive (2012/27/EU). Energies, 2020, 13, 4338.	1.6	20
511	Economic Comparison Between a Stand-Alone and a Grid Connected PV System vs. Grid Distance. Energies, 2020, 13, 3846.	1.6	12
512	A framework for the study of householders' engagement with low-carbon energy demand practices in dwellings with grid-connected photovoltaic energy systems. IOP Conference Series: Earth and Environmental Science, 2020, 588, 042012.	0.2	0
513	On the Contributions of Operational Flexibility Offered by Smart Sustainable Residential Buildings. , 2020, , .		1
514	Optimal Sizing of Solar-Assisted Heat Pump Systems for Residential Buildings. Buildings, 2020, 10, 175.	1.4	10
515	Prediction for Overheating Risk Based on Deep Learning in a Zero Energy Building. Sustainability, 2020, 12, 8974.	1.6	8
516	Sustainable and energy-efficient domestic hot water systems: A review. Renewable and Sustainable Energy Reviews, 2020, 128, 109900.	8.2	83
517	Interface Engineering for Fabricating Semitransparent and Flexible Window-Film-Type Organic Solar Cells. ACS Applied Materials & District Solar (1988) (1988	4.0	13

#	Article	IF	CITATIONS
518	Maintenance of Passive House Standard in the Light of Long-Term Study on Energy Use in a Prefabricated Lightweight Passive House in Central Europe. Energies, 2020, 13, 2801.	1.6	9
519	Game-based peer-to-peer energy sharing management for a community of energy buildings. International Journal of Electrical Power and Energy Systems, 2020, 123, 106204.	3.3	35
520	An Efficient Mixed-Integer Linear Programming Model for Optimal Sizing of Battery Energy Storage in Smart Sustainable Buildings. , 2020, , .		10
521	An Updated Review on Net-Zero Energy and Water Buildings: Design and Operation. , 2020, , 267-290.		5
522	On the Implementation of the Nearly Zero Energy Building Concept for Jointly Acting Renewables Self-Consumers in Mediterranean Climate Conditions. Energies, 2020, 13, 1032.	1.6	17
524	Determination of the Energy Performance of a Solar Low Energy House with Regard to Aspects of Energy Efficiency and Smartness of the House. Energies, 2020, 13, 3232.	1.6	10
525	A †demand-supply-regulation-institution' stakeholder partnership model of delivering zero carbon buildings. Sustainable Cities and Society, 2020, 62, 102359.	5.1	15
526	Super hygroscopic nanofibrous membrane-based moisture pump for solar-driven indoor dehumidification. Nature Communications, 2020, 11, 3302.	5.8	143
527	Experimental evaluation for daylightâ€linked gradation lighting control using imageâ€based motion sensors. IEEJ Transactions on Electrical and Electronic Engineering, 2020, 15, 723-732.	0.8	5
528	Techno-economic performance analysis of zero energy house applications with home energy management system in Japan. Energy and Buildings, 2020, 214, 109862.	3.1	28
529	Life-cycle cost analysis of retrofit scenarios for a UK residential dwelling. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2020, 173, 57-72.	0.4	6
531	Space Heating Control by Estimating Acceptable Set-Point Temperature Based on Survival Analysis. IEEE Access, 2020, 8, 17956-17964.	2.6	2
532	The use of artificial intelligence (AI) methods in the prediction of thermal comfort in buildings: energy implications of AI-based thermal comfort controls. Energy and Buildings, 2020, 211, 109807.	3.1	135
533	RES Implementation in Urban Areas: An Updated Overview. Sustainability, 2020, 12, 382.	1.6	12
534	Integrating interactive kinetic façade design with colored glass to improve daylight performance based on occupants' position. Journal of Building Engineering, 2020, 31, 101404.	1.6	15
535	Energy-Saving Potential of Applying Prefabricated Straw Bale Construction (PSBC) in Domestic Buildings in Northern China. Sustainability, 2020, 12, 3464.	1.6	14
536	Food-Energy-Water Nexus Resilience and Sustainable Development. , 2020, , .		9
537	Smart buildings need smart consumers: the meet-in-the middle approach towards sustainable management of energy sources. International Journal of Sustainable Energy, 2020, 39, 648-658.	1.3	19

#	ARTICLE	IF	CITATIONS
538	A New and Fair Peer-to-Peer Energy Sharing Framework for Energy Buildings. IEEE Transactions on Smart Grid, 2020, 11, 3817-3826.	6.2	106
539	Energy performance and cost analysis for the nZEB retrofit of a typical UK hotel. Journal of Building Engineering, 2020, 31, 101403.	1.6	17
540	Wood consumption and fixations of carbon dioxide and carbon from timber housing techniques: A Brazilian panorama. Energy and Buildings, 2020, 216, 109960.	3.1	15
541	A novel solar thermal system combining with active phase-change material heat storage wall (STS-APHSW): Dynamic model, validation and thermal performance. Energy, 2020, 201, 117610.	4.5	19
542	Rooftop extension as a solution to reach nZEB in building renovation. Application through typology classification at a neighborhood level. Sustainable Cities and Society, 2020, 57, 102109.	5.1	16
543	Parametric framework for a feasibility study of zero-energy residential buildings for the design stage. Journal of Building Engineering, 2021, 35, 101960.	1.6	12
544	Toward comprehensive zero energy building definitions: a literature review and recommendations. International Journal of Sustainable Energy, 2021, 40, 120-148.	1.3	38
545	A statistical-based optimization method to integrate thermal comfort in the design of low energy consumption building. Journal of Building Engineering, 2021, 33, 101661.	1.6	15
546	Towards nearly zero-energy residential neighbourhoods in the European Union: A case study. Renewable and Sustainable Energy Reviews, 2021, 135, 110198.	8.2	63
547	Temporal analysis of the material flows and embodied greenhouse gas emissions of a neighborhood building stock. Journal of Industrial Ecology, 2021, 25, 419-434.	2.8	41
548	Energy master planning for net-zero emission communities: State of the art and research challenges. Renewable and Sustainable Energy Reviews, 2021, 137, 110600.	8.2	28
549	Multi-objective optimization design of green building envelopes and air conditioning systems for energy conservation and CO2 emission reduction. Sustainable Cities and Society, 2021, 64, 102555.	5.1	71
550	Examining the benefits and barriers for the implementation of net zero energy settlements. Energy and Buildings, 2021, 230, 110564.	3.1	26
551	id="d1e1439" altimg="si15.svg"> <mml:msub><mml:mrow><mml:mi mathvariant="normal">CO</mml:mi></mml:mrow><mml:mrow><mml:mrow>2</mml:mrow><mml:msub><mml:mrow><mml:mi< td=""><td>ub_{}.6}/mm</td><td>:math></td></mml:mi<></mml:mrow></mml:msub></mml:mrow></mml:msub>	ub _{}.6} /mm	:math>
552	A New Bi-Objective Approach for Optimal Sizing of Electrical and Thermal Devices in Zero Energy Buildings Considering Environmental Impacts. IEEE Transactions on Sustainable Energy, 2021, 12, 886-896.	5.9	13
553	Net Zero Energy in a Residential Building Using Heuristic Optimization Solution. Journal of Control, Automation and Electrical Systems, 2021, 32, 458-471.	1.2	5
554	BEMS in the Era of Internet of Energy: A Review. IFIP Advances in Information and Communication Technology, 2021, , 465-476.	0.5	1
555	Becoming more resilient. , 2021, , 155-172.		0

#	Article	IF	CITATIONS
557	Tailoring Future Climate Data for Building Energy Simulation. Sustainable Development Goals Series, 2021, , 115-139.	0.2	0
558	Economic viability of building energy efficiency measures: a review on the discount rate. AIMS Energy, 2021, 9, 257-285.	1.1	6
559	Introduction and Motivations. Springer Theses, 2021, , 1-22.	0.0	0
560	Defining sulfonation limits of poly(ether-ether-ketone) for energy-efficient dehumidification. Journal of Materials Chemistry A, 2021, 9, 17740-17748.	5.2	7
561	The Implementation of Nearly Zero Energy Buildings (nZEB) in Spain., 2021,, 1558-1580.		0
562	Zero Emission Burg: Energy Requalification Strategies Within the Folds of the Picturesque. Lecture Notes in Civil Engineering, 2021, , 861-877.	0.3	0
563	Integrating Solar Photovoltaics in Residential Buildings: Towards Zero Energy Buildings in Hail City, KSA. Sustainability, 2021, 13, 1845.	1.6	18
564	A Proposed Hybrid Model for Electric Power Generation: A Case Study of Rajasthan, India. IETE Journal of Research, 2023, 69, 1952-1962.	1.8	5
565	Optimal Device Sizing for Zero Energy Buildings: Sensitivity of Nonlinear Model to Uncertainties. , 2021, , .		1
566	An analytical framework of "zero waste construction site†Two case studies of Shenzhen, China. Waste Management, 2021, 121, 343-353.	3.7	33
567	An integrated approach of BIM-enabled LCA and energy simulation: The optimized solution towards sustainable development. Journal of Cleaner Production, 2021, 289, 125622.	4.6	67
568	Designing a BIM energy-consumption template to calculate and achieve a net-zero-energy house. Solar Energy, 2021, 216, 315-320.	2.9	25
569	Experimental evaluation of indoor thermal environment with modularity radiant heating in low energy buildings. International Journal of Refrigeration, 2021, 123, 159-168.	1.8	11
570	Novel Methodology toward Nearly Zero Energy Building (NZEB) Renovation: Cost-Effective Balance Approach as a Pre-Step to Cost-Optimal Life Cycle Cost Assessment. Applied Sciences (Switzerland), 2021, 11, 4141.	1.3	8
571	How to define (net) zero greenhouse gas emissions buildings: The results of an international survey as part of IEA EBC annex 72. Building and Environment, 2021, 192, 107619.	3.0	38
572	Analysis of optimal energy supply in the commercial buildings: a bird garden case study. International Journal of Ambient Energy, 2022, 43, 4416-4423.	1.4	1
573	Mass Customisation for Zero-Energy Housing. Sustainability, 2021, 13, 5616.	1.6	5
575	Residential net-zero energy buildings: Review and perspective. Renewable and Sustainable Energy Reviews, 2021, 142, 110859.	8.2	128

#	Article	IF	Citations
576	Predictive Control in LV Networks: A 3-Stage Approach for Smart Sustainable Buildings. , 2021, , .		2
577	Net Zero Energy Buildings: Variations, Clarifications, and Requirements in Response to the Paris Agreement. Energies, 2021, 14, 3760.	1.6	21
578	Optimization of parameters for air dehumidification systems including multilayer fixed-bed binder-free desiccant dehumidifier. International Journal of Heat and Mass Transfer, 2021, 172, 121102.	2.5	16
579	gENESiS: Design, Operation and Integration of Smart Sustainable Buildings in Smart Power Grids. , 2021, , .		2
580	Analysis of Envelopes Applied To Bioclimatic Architectures. IOP Conference Series: Materials Science and Engineering, 2021, 1154, 012038.	0.3	1
581	A design of low-carbon architecture near water under self-circulation system using dead water effect. International Journal of Low-Carbon Technologies, 2021, 16, 1229-1243.	1.2	0
582	Artificial Neural Networks to Optimize Zero Energy Building (ZEB) Projects from the Early Design Stages. Applied Sciences (Switzerland), 2021, 11, 5377.	1.3	13
583	WOOD AND GENERATIVE ALGORITHMS FOR THE COMPARISON BETWEEN MODELS AND REALITY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B4-2021, 409-415.	0.2	1
584	A fuzzy robust multi-objective optimization model for building energy retrofit considering utility function: A university building case study. Energy and Buildings, 2021, 241, 110933.	3.1	23
585	Progress in silica aerogel-containing materials for buildings' thermal insulation. Construction and Building Materials, 2021, 286, 122815.	3.2	92
586	Solar potential of urban forms of a cold semi-arid city in Algeria in the present and future climate. Energy for Sustainable Development, 2021, 62, 151-162.	2.0	7
587	Simplified evaluation metrics for generative energy-driven urban design: A morphological study of residential blocks in Tel Aviv. Energy and Buildings, 2021, 240, 110916.	3.1	23
589	Consumer-focused solar-grid net zero energy buildings: A multi-objective weighted sum optimization and application for India. Sustainable Production and Consumption, 2021, 27, 2101-2111.	5.7	34
590	From Smart to Sustainable to Grid-Friendly: A Generic Planning Framework for Enabling the Transition Between Smart Home Archetypes. IEEE Transactions on Sustainable Energy, 2021, 12, 1684-1694.	5.9	10
591	Historical building renovation and PV optimisation towards NetZEB in Sweden. Solar Energy, 2021, 223, 248-260.	2.9	25
592	Comparative cost-benefit analysis of the energy efficiency measures and photovoltaic generation in houses of social interest in Brazil. Energy and Buildings, 2021, 243, 111013.	3.1	10
593	Net Zero Energy Consumption building in India: An overview and initiative toward sustainable future. International Journal of Green Energy, 2022, 19, 544-561.	2.1	29
594	Environmental Life-Cycle Assessment and Life-Cycle Cost Analysis of a High-Rise Mass Timber Building: A Case Study in Pacific Northwestern United States. Sustainability, 2021, 13, 7831.	1.6	26

#	Article	IF	CITATIONS
595	A review on zero energy buildings – Pros and cons. Energy and Built Environment, 2023, 4, 25-38.	2.9	46
597	A modelling approach and a case study to answer the question: What does it take to retrofit a community to net-zero energy?. Journal of Building Engineering, 2021, 40, 102296.	1.6	11
598	Photovoltaic generation on vertical faÃSades in urban context from open satellite-derived solar resource data. Solar Energy, 2021, 224, 1396-1405.	2.9	9
599	Potential Applications of 5G Network Technology for Climate Change Control: A Scoping Review of Singapore. Sustainability, 2021, 13, 9720.	1.6	12
600	A consistent taxonomic framework: towards common understanding of high energy performance building definitions. Renewable and Sustainable Energy Reviews, 2021, 146, 111075.	8.2	3
601	Early stage design for an institutional net zero energy archetype building. Part 1: Methodology, form and sensitivity analysis. Solar Energy, 2021, 224, 516-530.	2.9	11
602	Net zero energy barns for industrial egg production: An effective sustainable intensification strategy?. Journal of Cleaner Production, 2021, 316, 128014.	4.6	8
603	Zero emission neighbourhoods and positive energy districts – A state-of-the-art review. Sustainable Cities and Society, 2021, 72, 103013.	5.1	76
604	A comprehensive review on energy saving options and saving potential in low voltage electricity distribution networks: Building and public lighting. Sustainable Cities and Society, 2021, 72, 103064.	5.1	44
605	Net-zero energy buildings: The influence of definition on greenhouse gas emissions. Energy and Buildings, 2021, 247, 111118.	3.1	32
606	Review of Zero Energy Building Concept-Definition and Developments in Latin America: A Framework Definition for Application in Panama. Energies, 2021, 14, 5647.	1.6	7
607	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
608	Optimal energy management in smart sustainable buildings – A chance-constrained model predictive control approach. Energy and Buildings, 2021, 248, 111163.	3.1	25
609	Life cycle analysis of GHG emissions from the building retrofitting: The case of a Norwegian office building. Building and Environment, 2021, 204, 108159.	3.0	29
610	Positive Energy Building Definition with the Framework, Elements and Challenges of the Concept. Energies, 2021, 14, 6260.	1.6	22
611	Toward smart net zero energy structures: Development of cement-based structural energy material for contact electrification driven energy harvesting and storage. Nano Energy, 2021, 89, 106389.	8.2	14
612	Four years monitoring of heat pump, solar thermal and PV system in two net-zero energy multi-family buildings. Journal of Building Engineering, 2021, 43, 103199.	1.6	14
613	Design and practice of prefabricated zero energy building in cold plateau area. Energy and Buildings, 2021, 251, 111332.	3.1	9

#	Article	IF	CITATIONS
614	A stochastic operational planning model for a zero emission building with emission compensation. Applied Energy, 2021, 302, 117415.	5.1	4
615	Culture, energy and climate sustainability, and smart home technologies: A mixed methods comparison of four countries. Energy and Climate Change, 2021, 2, 100035.	2.2	20
616	A framework for retrofitting existing houses to nearly zero energy buildings: Development and a real-life case study. Energy and Buildings, 2021, 252, 111438.	3.1	5
617	Integrated solar thermal systems in smart optimized zero energy buildings: Energy, environment and economic assessments. Sustainable Energy Technologies and Assessments, 2021, 48, 101580.	1.7	13
618	Net zero energy buildings in New Zealand: Challenges and potentials reviewed against legislative, climatic, technological, and economic factors. Journal of Building Engineering, 2021, 44, 102970.	1.6	6
619	Questioning the Sun: Unexpected emissions implications from residential solar photovoltaic systems. Resources, Conservation and Recycling, 2022, 176, 105924.	5.3	9
620	Zero energy concept at neighborhood level: A case study analysis. Solar Energy Advances, 2021, 1, 100002.	1.2	8
621	In Pursuit of New Real-Time Ancillary Services Providers: Hidden Opportunities in Low Voltage Networks and Sustainable Buildings. IEEE Transactions on Smart Grid, 2022, 13, 429-442.	6.2	8
622	Sustainable Climate Change Policies Driven by Global CO2 Reduction During COVID-19. Studies in Systems, Decision and Control, 2021, , 121-136.	0.8	1
623	Uncertainty in Refurbishment Investment. , 2013, , 143-175.		2
624	Mechanisms in Building Integrated Renewable Energy Systems: Case Studyâ€"Solar Energy Conversion Systems. Mechanisms and Machine Science, 2014, , 31-49.	0.3	5
625	Design of a Nearly Zero Energy One-Family House in North-Centre Italy. , 2014, , 165-186.		2
628	Definitions, Targets, and Key Performance Indicators for New and Renovated Zero Emission Buildings., 2018, , 35-60.		3
629	Design feasibility of a net-zero energy neighborhood in Qazvin. Energy Efficiency, 2021, 14, 1.	1.3	11
630	Considering supply and demand of electric energy in life cycle assessments – a review of current methodologies. Materiaux Et Techniques, 2015, 103, 105.	0.3	5
631	A map of roadmaps for zero and low energy and carbon buildings worldwide. Environmental Research Letters, 2020, 15, 113003.	2.2	38
632	Simulation of a zero energy office building in Egypt with a photovoltaic integrated shading system. Journal of Photonics for Energy, 2019, 9, 1.	0.8	4
633	A study of BIPV net-zero energy building. International Journal of Smart Grid and Clean Energy, 2014, 3, 64-69.	0.4	2

#	Article	IF	CITATIONS
634	An experimental performance analysis of a cold region stationary photovoltaic system. Advances in Energy Research, 2016, 4, 1-28.	0.4	5
635	Energy-related conditions and envelope properties for sustainable buildings. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2016, 64, 697-707.	0.8	3
636	Evaluation for Effectiveness of Individual Lighting Control using Image-based Motion Sensor. IEEJ Transactions on Electronics, Information and Systems, 2018, 138, 1362-1374.	0.1	4
637	Solar Shading in Low Energy Office Buildings - Design Strategy and User Perception. Journal of Daylighting, 2017, 4, 1-14.	0.5	19
639	Agent-Based Analysis of Annual Energy Usages for Domestic Heating based on a Heat Pump., 0,,.		5
640	A Building energy simulation methodology to validate energy balance and comfort in zero energy buildings. Journal of Energy Systems, 2019, 3, 168-182.	0.8	7
641	USE OF GREEN BUILDING INFORMATION MODELING IN THE ASSESSMENT OF NET ZERO ENERGY BUILDING DESIGN. Journal of Environmental Engineering and Landscape Management, 2019, 27, 174-186.	0.4	9
642	Evaluation of renewable energy deployment scenarios for building energy management. AIMS Energy, 2016, 4, 742-761.	1.1	3
643	NOVEL INTEGRATED DESIGN STRATEGIES FOR NET-ZERO-ENERGY SOLAR BUILDINGS (NZESBS) IN NANJING, CHINA. Journal of Green Building, 2015, 10, 89-115.	0.4	5
644	A MODEL OF A NEAR-ZERO ENERGY HOME (nzeh) USING PASSIVE DESIGN STRATEGIES AND PV TECHNOLOGY IN HOT CLIMATES. Journal of Green Building, 2016, 11, 38-70.	0.4	8
645	CRITICAL SUCCESS FACTORS TO LIMIT CONSTRUCTABILITY ISSUES ON A NET-ZERO ENERGY HOME. Journal of Green Building, 2012, 7, 100-115.	0.4	5
646	Demonstration of the Nearly Zero Energy Building Concept. Journal of Geoscience and Environment Protection, 2015, 03, 45-54.	0.2	1
647	Analysis of Sustainable Energy Systems in Ecovillages: A Review of Progress in BedZED and Masdar City. Low Carbon Economy, 2015, 06, 1-6.	0.7	5
648	Creation of Zero CO ₂ Emissions Residential Buildings due to Operating and Embodied Energy Use on the Island of Crete, Greece. Open Journal of Energy Efficiency, 2017, 06, 141-154.	0.6	5
649	Analysis of a Permanent Magnet Eddy Current Heater Driven by a Wind Turbine. Advances in Electrical and Computer Engineering, 2015, 15, 53-58.	0.5	5
652	Review: Dairy Farm Electricity Use, Conservation, and Renewable Production—A Global Perspective. Applied Engineering in Agriculture, 2021, 37, 977-990.	0.3	4
653	Microgrid for a Cluster of Grid Independent Buildings Powered by Solar and Wind Energy. Applied Sciences (Switzerland), 2021, 11, 9214.	1.3	4
654	Prediction of the Energy Self-Sufficiency Rate of Major New Renewable Energy Types Based on Zero-Energy Building Certification Cases in South Korea. Sustainability, 2021, 13, 11552.	1.6	1

#	Article	IF	CITATIONS
656	A Multiple-Case Study of Passive House Retrofits of School Buildings in Austria., 2013, , 253-278.		0
657	Sustainable Sustainable Heating Ventilation and Air Conditioning sustainability/sustainable heating ventilation and air conditioning., 2013,, 653-665.		0
658	Design standards for residential N-ZEBs in mild Mediterranean climate. Renewable Energy and Power Quality Journal, 0, , 513-518.	0.2	1
659	Net zero station design for the Cooper Center for Environmental Learning in Tucson, Arizona. WIT Transactions on Ecology and the Environment, 2013, , .	0.0	0
660	INTEGRATED ASSESSMENT OF CHP SYSTEM UNDER DIFFERENT MANAGEMENT OPTIONS FOR COOPERATIVE HOUSING BLOCK IN LOW. Lowland Technology International, 2014, 16, 103-116.	0.3	0
662	Net zero energy house in Serbian conditions for Kragujevac. IMK-14 - Istrazivanje I Razvoj, 2014, 20, 23-30.	0.0	0
663	Local versus national: designing supply systems for individual net zero energy buildings with flexible electricity prices. WIT Transactions on Ecology and the Environment, 2014, , .	0.0	0
664	Potential for Energy Conservation by a Hybrid Natural Lighting System with LED Illumination. Journal of Solar Energy Research Updates, 2014, 1, 31-38.	0.0	0
665	Analysis of Electricity Usage for Domestic Heating Based on an Air-to-Water Heat Pump in a Real World Context. Springer Proceedings in Energy, 2015, , 587-596.	0.2	1
666	A Case Study on Passive vs. Active Strategies for an Energy-Efficient School Building Design. , 0, , .		2
667	WYBRANE ASPEKTY STANU OCHRONY CIEPLNEJ BUDYNKU PLUSENERGETYCZNEGO â€P-E-H― Journal of Civil Engineering, Environment and Architecture, 2016, , .	0.0	0
668	Zero Energy Homes. Springer Tracts in Civil Engineering, 2016, , 275-309.	0.3	1
669	Creation of Zero CO ₂ Emissions School Buildings Due to Energy Use in Crete-Greece. Open Journal of Energy Efficiency, 2016, 05, 12-18.	0.6	1
670	The Framework of Urban Built Environments. , 2016, , 1-63.		1
671	The Drive towards Near Zero Energy Buildings through Professional Training in Southern Europe. Advances in Electronic Government, Digital Divide, and Regional Development Book Series, 2016, , 649-674.	0.2	0
672	Optimization of Electrical Energy Usage in Two Secondary Schools Using Different Types of Glass Materials., 2017,, 616-625.		0
673	Definition and Frameworks on a Life-Cycle Negative Growth Rate for Energy and Carbon in an Academic Campus. World Sustainability Series, 2017, , 325-339.	0.3	0
674	Koncepcje wentylacji budynku przedszkolnego a osiÄ…gniÄ™cie standardu nZEB. MateriaÅy Budowlane, 2017, 1, 58-61.	0.0	0

#	ARTICLE	IF	CITATIONS
675	HOW TO DESIGN A NET-ZERO-ENERGY SOLAR BUILDING (NZESB) FOR MINING OR OIL AND GAS PROJECTS IN CHINA'S DATONG REGION. Journal of Environmental Solutions for Oil Gas and Mining, 2017, 3, 60-87.	0.2	0
676	Definitions, Targets, and Key Performance Indicators for New and Renovated Zero Emission Buildings. , 2018, , 1-27.		0
677	Sustainable Heating Ventilation and Air Conditioning. , 2018, , 1-16.		0
678	Relevant Case Studies: A Benchmark for Future Design. SpringerBriefs in Applied Sciences and Technology, 2018, , 101-138.	0.2	0
679	A Comparative Analysis of Environmental and Economic Costs of PV Solar Imports and Manufacturing: China vs. Ontario, Canada. SSRN Electronic Journal, 0, , .	0.4	0
680	Challenges in the Modeling and Simulation of Green Buildings. , 2018, , 1-33.		0
681	MICROBIAL DIVERSITY AND PHYLOGENETIC STUDIES OF SOME MICROBES OBTAINED FROM UNEXPLORED CAVES OF SAUDI ARABIA. Journal of Experimental Biology and Agricultural Sciences, 2018, 6, 342-651.	0.1	0
682	Key Trends and Application of Sustainability Rating Systems in the Hungarian Office Building Segment. European Scientific Journal, 2018, 14, 216.	0.0	0
683	Smart Environment Monitoring Testbed. Advances in Intelligent Systems and Computing, 2019, , 787-798.	0.5	1
684	A Moisture Penetrating Humidity Pump Directly Powered by One Sun Illumination. SSRN Electronic Journal, O, , .	0.4	0
685	The Implementation of Nearly Zero Energy Buildings (nZEB) in Spain. Advances in Human and Social Aspects of Technology Book Series, 2019, , 364-386.	0.3	0
686	A Critical Overview of Net Zero Energy Buildings and Fuzzy Cognitive Maps. , 2019, , 537-559.		0
687	Adapting Integrated High Concentrated PV Modules and Evacuated Tube Collectors to Minimize Building Energy Consumption in Hot Climate. Smart Grid and Renewable Energy, 2019, 10, 237-256.	0.7	0
688	Modelica-Based Dynamic Modeling of a Solar-Powered Ground Source Heat Pump System: A Preliminary Case Study., 2019,,.		0
689	I fattori urbanistici nella certificazione dell'edilizia sostenibile. Territorio, 2019, , 141-148.	0.1	0
690	ENERGY AND SUSTAINABLE PERFORMANCE OF A MULTIFUNCTIONAL FAÇADE. WIT Transactions on Ecology and the Environment, $2019, \dots$	0.0	3
691	Development of Hybrid System for Air-Conditioning of Almost Zero Energy Buildings. Lecture Notes in Networks and Systems, 2020, , 680-687.	0.5	1
692	Optimizing the Sustainability of Renewable Energy: A Review on the Impart of Internet of Things. Asian Journal of Research in Computer Science, 0, , 44-52.	0.0	1

#	Article	IF	CITATIONS
693	Zero-carbon balance: The case of HouseZero. Building and Environment, 2022, 207, 108511.	3.0	19
694	10 preguntas de los edificios energÃa cero: revisión del estado del arte. Habitat Sustentable, 2020, 10, 24-41.	0.1	4
695	DESIGN OF A NEARLY ZERO-ENERGY HOME WITH EXTREME COLLABORATION IN BIM. , 0, , .		0
696	Positive energy districts: Mainstreaming energy transition in urban areas. Renewable and Sustainable Energy Reviews, 2022, 153, 111782.	8.2	64
697	Sustainable Heating Ventilation and Air Conditioning. , 2020, , 465-479.		0
698	The Feasibility Study of Net Zero Energy Building for Future Energy Development. Environmental Science and Engineering, 2020, , 453-460.	0.1	1
699	The Built Environment. Green Energy and Technology, 2020, , 1-57.	0.4	1
700	Hybrid Power Systems. Green Energy and Technology, 2020, , 17-55.	0.4	1
701	Feasibility assessment of adopting distributed solar photovoltaics and phase change materials in multifamily residential buildings. Sustainable Production and Consumption, 2022, 29, 507-528.	5.7	7
702	The Drive Towards NEAR Zero Energy Buildings Through Professional Training in Southern Europe. , 0, , 1371-1397.		O
703	Optimization Design of a Rain-Power Utilization System Based on a Siphon and Its Application in a High-Rise Building. Energies, 2020, 13, 4848.	1.6	4
704	A generic multiâ€period optimal power flow framework for combating operational constraints via residential flexibility resources. IET Generation, Transmission and Distribution, 2021, 15, 306-320.	1.4	4
705	Feasibility of net zero energy high rise apartment buildings in Australia. Solar Energy, 2022, 231, 158-174.	2.9	12
706	Design considerations for net zero energy buildings for intensive, confined poultry production: A review of current insights, knowledge gaps, and future directions. Renewable and Sustainable Energy Reviews, 2022, 154, 111874.	8.2	21
707	Reward–Penalty Mechanism Based on Daily Energy Consumption for Net-Zero Energy Buildings. Sustainability, 2021, 13, 12838.	1.6	3
708	Building's heat potential on resources in respect to CO ₂ emissions and primary energy reduction (Case study). IOP Conference Series: Materials Science and Engineering, 2021, 1203, 022139.	0.3	3
709	Research-Based Definition of a PEB. Green Energy and Technology, 2022, , 19-44.	0.4	1
710	Analysis of Net Zero Energy Buildings public policies at the residential building sector: A comparison between Chile and selected countries. Energy Policy, 2022, 161, 112707.	4.2	10

#	Article	IF	Citations
711	A multi-objective optimization method based on an adaptive meta-model for classroom design with smart electrochromic windows. Energy, 2022, 243, 122777.	4.5	17
712	Environmental Sustainability Approaches and Positive Energy Districts: A Literature Review. Sustainability, 2021, 13, 13063.	1.6	15
713	Development of a zero-energy-sauna: Simulation study of thermal energy storage. Energy and Buildings, 2022, 256, 111659.	3.1	1
714	Classification method of PV production patterns for energy flow analysis in design phase of energy-sharing community. Energy and Buildings, 2022, 256, 111740.	3.1	3
715	Sustainable Building Design., 2021, , 119-143.		0
716	Analysis of design strategy of energy efficient buildings based on databases by using data mining and statistical metrics approach. Energy and Buildings, 2022, 258, 111811.	3.1	8
717	Optimal Integration of Renewable Sources and Latent Heat Storages for Nearly Zero-Energy Buildings. Proceedings (mdpi), 2020, 58, .	0.2	0
718	Proposta de modelo Casa de Energia Zero (CEZ) de baixo padrão para Zona Bioclimática 07 com avaliação da viabilidade econà mica. E&S Engineering and Science, 2020, 9, 14-26.	0.2	0
719	Energy, Economic, and Environmental (3E) Analysis of Zero Energy Consumption Building: A Case Study of Thai Style Mediation House., 2020,,.		2
720	A Review on Zero Energy Building Using LED DC Luminaries and Daylight Harvesting Systems. Smart Moves Journal Ijoscience, 0, , 26-30.	0.0	0
721	Daylight Harvesting Optimization for Commercial Buildings using Al Technique. Smart Moves Journal Ijoscience, 0, , 8-14.	0.0	0
722	Integración de estándares sostenibles en proyectos arquitectónicos. Jida, 0, , .	0.0	1
723	Energy, Economic, and Environmental (3E) Analysis of PV Water Pump: Case Study of the Tapioca Drip Irrigation System. , 2021 , , .		0
724	The Evolution of Knowledge and Trends within the Building Energy Efficiency Field of Knowledge. Energies, 2022, 15, 691.	1.6	4
725	Agent-Based Modelling of Urban District Energy System Decarbonisation—A Systematic Literature Review. Energies, 2022, 15, 554.	1.6	10
726	Quantitative Study on the Life-Cycle Carbon Emissions of a Nearly Zero Energy Building in the Severe Cold Zones of China. Sustainability, 2022, 14, 1448.	1.6	7
727	Achieving mid-rise NZEB offices in Brazilian urban centres: A control strategy with desk fans and extension of set point temperature. Energy and Buildings, 2022, 259, 111911.	3.1	9
728	Life cycle assessment of soluble lead redox flow battery. Journal of Cleaner Production, 2022, 337, 130503.	4.6	11

#	Article	IF	CITATIONS
729	Experiment-based optimization of an energy-efficient heat pump integrated water heater for household appliances. Energy, 2022, 245, 123308.	4.5	9
730	Building-Integrated Photovoltaic Modules Using Additive-Manufactured Optical Pattern. Energies, 2022, 15, 1288.	1.6	3
732	A COMPARATIVE LIFE CYCLE ANALYSIS OF NEAR-ZERO ENERGY BUILDINGS WITH A FOCUS ON ENVELOPE INSULATION. Journal of Green Building, 2022, 17, 225-245.	0.4	2
733	A COMPARATIVE LIFE CYCLE ANALYSIS OF NEAR-ZERO ENERGY BUILDINGS WITH A FOCUS ON ENVELOPE INSULATION. Journal of Green Building, 2022, 17, 225-245.	0.4	0
735	Ideal radiation parameters of energy-saving coatings for exterior wall. IOP Conference Series: Earth and Environmental Science, 2022, 983, 012096.	0.2	0
736	Identifying Knowledge and Process Gaps from a Systematic Literature Review of Net-Zero Definitions. Sustainability, 2022, 14, 3057.	1.6	12
737	How a Sustainable Renovation Influenced the Environmental Values of Those Involved. Urban Planning, 2022, 7, .	0.7	2
738	Operational Emissions in Prosuming Dwellings: A Study Comparing Different Sources of Grid CO2 Intensity Values in South Wales, UK. Energies, 2022, 15, 2349.	1.6	0
740	Feasibility and Zoning of Establishing Solar Power Stations to Produce Sustainable Energy From the Environment in Northwestern Iran. Frontiers in Energy Research, 2022, 10, .	1.2	2
741	Influence of geometric design parameters of double skin façade on its thermal and fluid dynamics behavior: A comprehensive review. Solar Energy, 2022, 236, 249-279.	2.9	31
742	Net zero energy building evaluation, validation and reflection – A successful project application. Energy and Buildings, 2022, 261, 111946.	3.1	13
743	Plus energy building: Operational definition and assessment. Energy and Buildings, 2022, 265, 112069.	3.1	13
744	Global and local bioclimatic predilections for rebalancing the heating and cooling of buildings. Energy and Buildings, 2022, , 112088.	3.1	1
745	Optimal day-to-day scheduling of multiple energy assets in residential buildings equipped with variable-speed heat pumps. Applied Energy, 2022, 312, 118702.	5.1	9
746	A bibliometric review of net zero energy building research 1995–2022. Energy and Buildings, 2022, 262, 111996.	3.1	49
747	Stretchable translucent nanocomposite membranes with 3D heterogeneous interfaces derived from sugar templates for mechano-responsive optical applications. Composites Part B: Engineering, 2022, 237, 109852.	5.9	0
748	Challenges in reaching positive energy building level in apartment buildings in the Nordic climate: A techno-economic analysis. Energy and Buildings, 2022, 262, 111991.	3.1	5
749	Combining retrofitting techniques, renewable energy resources and regulations for residential buildings to achieve energy efficiency in gated communities. Ain Shams Engineering Journal, 2022, 13, 101772.	3.5	16

#	ARTICLE	IF	CITATIONS
751	A multidimensional scorecard of <scp>KPIs</scp> for retrofit measures of buildings: A systematic literature review. Corporate Social Responsibility and Environmental Management, 2022, 29, 1968-1979.	5.0	1
752	Shedding light on the efforts into the rehabilitation of a major culprit of carbon emissions: A scientometric analysis of net-zero in the built environment sector. Energy and Buildings, 2022, 266, 112119.	3.1	3
753	Integrated assessment across building and urban scales: A review and proposal for a more holistic, multi-scale, system-of-systems approach. Sustainable Cities and Society, 2022, 82, 103915.	5.1	7
7 54	Obtaining the NZEB target by using photovoltaic systems on the roof for multi-storey buildings. Energy and Buildings, 2022, 267, 112147.	3.1	13
755	Review of global research advances towards net-zero emissions buildings. Energy and Buildings, 2022, 266, 112142.	3.1	42
756	Promoting the Sustainability of an Energy Building Community by Peer-to-Peer Energy Sharing. Canadian Journal of Electrical and Computer Engineering, 2022, 45, 182-190.	1.5	0
757	Technical pathways of dual carbon control in China's buildings sector. , 2022, 1, .		5
758	Energy Consumption by DHW System with a Circulation Loop as an Energy Efficiency Component, Based on an Example of a Residential Building. Energies, 2022, 15, 3952.	1.6	3
760	Feasibility and retrofit guidelines towards net-zero energy buildings in tropical climates: A case of Ghana. Energy and Buildings, 2022, 269, 112252.	3.1	30
761	Thermal Comfortâ€"Case Study in a Lightweight Passive House. Energies, 2022, 15, 4687.	1.6	5
762	Evaluating the indoor thermal resilience of ventilative cooling in non-residential low energy buildings: A review. Building and Environment, 2022, 222, 109376.	3.0	17
763	Technological Advancements and Economics in Plant Production Systems: How to Retrofit?. Frontiers in Plant Science, 0, 13 , .	1.7	1
764	Decision Support Tool to Enable Real-Time Data-Driven Building Energy Retrofitting Design. Energies, 2022, 15, 5408.	1.6	1
765	Hybrid Physics-based and Data-driven Model Predictive Control for Multi-Zone Building's Thermal Comfort Under Disjunctive Uncertainty. IFAC-PapersOnLine, 2022, 55, 352-357.	0.5	0
766	A Blockchain-based Platform for Positive Energy Districts. , 2022, , .		1
767	A review of zero energy residential complex in the smart city environment. Repa Proceeding Series, 2022, 3, 6-11.	0.4	0
768	Incorporation of SmartPV Technology in Zero Energy Building Concept. , 2022, , .		6
769	Ecological performance standards for regenerative urban design. Sustainability Science, 2022, 17, 2631-2641.	2.5	3

#	Article	IF	CITATIONS
770	Energy Consumption Analysis Using Measured Data from a Net-Zero Energy Commercial Building in a Cold and Dry Climate. Sustainability, 2022, 14, 10346.	1.6	2
771	Towards zero carbon buildings: issues and challenges in the New Zealand construction sector. International Journal of Construction Management, 2023, 23, 2709-2716.	2.2	3
772	Development of a calibrated typical meteorological year weather file in system design of zero-energy building for performance improvements. Energy, 2022, 259, 125031.	4.5	3
773	General morphological analysis of Orosi windows and morpho butterfly wing's principles for improving occupant's daylight performance through interactive kinetic façade. Journal of Building Engineering, 2022, 59, 105027.	1.6	3
774	A critical review of the performance evaluation and optimization of grid interactions between zero-energy buildings and power grids. Sustainable Cities and Society, 2022, 86, 104123.	5.1	15
775	Framework for standardising carbon neutrality in building projects. Journal of Cleaner Production, 2022, 373, 133858.	4.6	20
776	An Evaluation Methodology for the Feasibility Analysis of Energy Retrofit Investments. Lecture Notes in Computer Science, 2022, , 15-26.	1.0	1
777	Hybrid Physics-based and Data-driven Model Predictive Control for Multi-Zone Building's Thermal Comfort Under Disjunctive Uncertainty. , 2022, , .		0
778	Comparison of Real and Forecasted Domestic Hot Water Consumption and Demand for Heat Power in Multifamily Buildings, in Poland. Energies, 2022, 15, 6871.	1.6	3
779	Green Buildings as a Necessity for Sustainable Environment Development: Dilemmas and Challenges. Sustainability, 2022, 14, 13121.	1.6	25
780	Identification of the key design parameters of Zero/low energy buildings and the impacts of climate and building morphology. Applied Energy, 2022, 328, 120185.	5.1	4
781	Achieving Informed Decision-Making using Building Performance Simulation., 2013, , .		0
782	Tool For Design Decision Making: Zero Energy Residential Buildings In Hot Humid Climate., 2013,,.		10
783	Use Of Net Zero Energy Solution Sets For The Redesign Of The Reunion Island Enerpos Building In Christchurch. , 2013, , .		0
784	Evaluation of the effects of optimization of gas boiler burner control by means of an innovative method of Fuel Input Factor. Energy, 2023, 263, 125708.	4.5	1
785	Concept of net zero energy buildings (NZEB) - A literature review. Cleaner Engineering and Technology, 2022, 11, 100582.	2.1	42
786	Applying Process Integration for energy savings in buildings and building complexes., 2023,, 919-944.		1
787	Multi-objective building energy system optimization considering EV infrastructure. Applied Energy, 2023, 332, 120504.	5.1	18

#	Article	IF	CITATIONS
788	Algorithm for the Control of Intelligent Hybrid Systems for the Production of Electric and Thermal Energy. Communications in Computer and Information Science, 2022, , 85-97.	0.4	1
789	Review of the U.S. Policies, Codes, and Standards of Zero-Carbon Buildings. Buildings, 2022, 12, 2060.	1.4	8
790	From  Zero' to  Positive' Energy Concepts and from Buildings to Districts—A Portfolio of 51 Europe Success Stories. Sustainability, 2022, 14, 15812.	an 1.6	4
791	Towards a decarbonised building stock by 2050: The meaning and the role of zero emission buildings (ZEBs) in Europe. Energy Strategy Reviews, 2022, 44, 101009.	3.3	10
792	â€~Decarbonizing Europe' A critical review on positive energy districts approaches. Sustainable Cities and Society, 2023, 89, 104356.	5.1	13
793	Exploring the link between the EU emissions trading system and net-zero emission neighbourhoods. Energy and Buildings, 2023, 281, 112731.	3.1	8
794	A Method of Multi-Criteria Assessment of the Building Energy Consumption. Energies, 2023, 16, 183.	1.6	1
795	Grid-type LED media façade with reflective walls for building-integrated photovoltaics with virtually no shading loss. Applied Energy, 2023, 332, 120553.	5.1	2
796	Stochastic multi-objective optimal sizing of battery energy storage system for a residential home. Journal of Energy Storage, 2023, 59, 106403.	3.9	11
797	Sustainable underground environment integrating hybrid ventilation, photovoltaic thermal and ground source heat pump. Sustainable Cities and Society, 2023, 90, 104383.	5.1	8
798	Experimental evaluation of the performance of a domestic water heating system under Baghdad climate conditions. Eastern-European Journal of Enterprise Technologies, 2022, 6, 38-47.	0.3	0
799	Field studies on the energy consumption and thermal comfort of a nZEB using radiant ceiling panel and open-loop groundwater heat pump system in a cold region. Journal of Building Engineering, 2023, 67, 105999.	1.6	4
800	Luminescence solar concentrators: A technology update. Nano Energy, 2023, 109, 108269.	8.2	23
801	Redox active cement-based electrolyte towards high-voltage asymmetric solid supercapacitor. Cement and Concrete Composites, 2023, 138, 104987.	4.6	7
802	Strategies for improving impact of energy renovation: A case study on Korean daycare centers. Energy and Buildings, 2023, 284, 112844.	3.1	2
803	In-situ evaluation of window-wall joint performance using numerical models and thermal images. Case Studies in Thermal Engineering, 2023, 45, 102988.	2.8	O
804	Surrogate modelling of solar radiation potential for the design of PV module layout on entire façade of tall buildings. Energy and Buildings, 2023, 286, 112958.	3.1	3
805	High-resolution spatial assessment of the zero energy potential of buildings with photovoltaic systems at the city level. Sustainable Cities and Society, 2023, 93, 104526.	5.1	7

#	Article	IF	Citations
806	Building integrated photovoltaics powered electric vehicle charging with energy storage for residential building: Design, simulation, and assessment. Journal of Energy Storage, 2023, 63, 107050.	3.9	9
807	Application evaluation and optimization of the sunroom in rural residential houses in Southeast Shandong Province, China. Solar Energy, 2023, 251, 208-222.	2.9	2
809	Appraisal of indoor environment quality (IEQ) in nearly Zero energy Building (nZEB): A literature review. Science and Technology for the Built Environment, 2023, 29, 251-267.	0.8	3
810	Hot Topics and Trends in Zero-Energy Building Research—A Bibliometrical Analysis Based on CiteSpace. Buildings, 2023, 13, 479.	1.4	8
811	Design of a novel automotive canopy and battery charging based on renewable energy technology. Materials Today: Proceedings, 2023, , .	0.9	1
812	A Scalable and Computational Efficient Peer-to-Peer Energy Management Scheme. IEEE Access, 2023, 11, 21686-21698.	2.6	1
813	Moving toward Net Zero Carbon Buildings to Face Global Warming: A Narrative Review. Buildings, 2023, 13, 684.	1.4	11
814	Role of sustainable refurbishment in the perception of quality of life ofÂresidential building occupants inÂPrishtina, Kosovo. International Journal of Building Pathology and Adaptation, 0, , .	0.7	1
815	Heuristic Approach for Net-Zero Energy Residential Buildings in Arid Region Using Dual Renewable Energy Sources. Buildings, 2023, 13, 796.	1.4	6
816	Integration of photovoltaic modules to optimize energy usage in residential buildings. Asian Journal of Civil Engineering, 0, , .	0.8	0
817	Life cycle energy analysis of houses incorporating conventional and alternative masonry units. Architectural Engineering and Design Management, 0, , 1-21.	1.2	0
818	Simulation Study of the Control Strategy of a DC Inverter Heat Pump Using a DC Distribution Network. Energy Engineering: Journal of the Association of Energy Engineers, 2023, 120, 1421-1444.	0.3	0
819	LCA of the NZEB El Salvador building, a model to estimate the carbon footprint in a tropical country. Journal of Cleaner Production, 2023, 408, 137137.	4.6	4
821	Research on Envelope Thermal Performance of Ultra-Low Energy Rural Residential Buildings in China. Sustainability, 2023, 15, 6931.	1.6	1
831	Exploration on Market Mechanism and Certification Technology of Zero Carbon Building Groups Participating in Clean Energy Consumption. , 2022, , .		0
832	Data Centers as Prosumers in Urban Energy Systems. Sustainable Development Goals Series, 2023, , 89-124.	0.2	1
833	Optimization of Near-Zero Energy Buildings Cluster with Top-Down Control. Sustainable Development Goals Series, 2023, , 465-486.	0.2	0
834	Clustering Nearly Zero Energy Buildings for Improved Performance. Sustainable Development Goals Series, 2023, , 405-424.	0.2	0

#	Article	IF	CITATIONS
841	Planning to Incorporate Energy Conservation Practices, Renewable Energy Production Systems, and Eco-friendly Building Design Practices to Support Sustainability in US Public Schools., 2023,, 2427-2452.		0
843	Achieving Net-Zero-Energy Tall Buildings in Sri Lanka. Lecture Notes in Civil Engineering, 2023, , 675-686.	0.3	0
845	Chapter 2: A Review on International Research in Zero-Energy Buildings. , 2016, , .		0
846	Performance Analysis of Protection Methods in Residential DC Microgrids., 2023,,.		0
851	Field Study on Indoor Thermal Comfort of a â€~ZEB Ready' Office Building Using Radiant Ceiling Panel Coupled with Open-Loop Ground Source Heat Pump. Environmental Science and Engineering, 2023, , 2353-2362.	0.1	0
853	Smart Energy Monitoring Using Internet of Things: Opportunities and Challenges. , 2023, , .		0
856	Design of DC carrier communication system for zero-carbon buildings. , 2023, , .		0
857	The research on shading characteristics of exterior louvers in near zero energy buildings. , 2023, , .		0
875	Creating an Undergraduate Multidisciplinary Design Research Team to Achieve Zero Energy., 0,,.		0
878	Energy Transition: How Solar PV Would Shape the Final Household Electricity Consumption. An Economic Analysis on Sizing, Integration and Risk of Prosumer Energy Systems. Springer Proceedings in Business and Economics, 2024, , 245-262.	0.3	O
879	Modeling Structural Equations to Balance the Positive Energy Area in Cities. Lecture Notes in Civil Engineering, 2024, , 503-511.	0.3	0