List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	State of the art in thermal insulation materials and aims for future developments. Energy and Buildings, 2005, 37, 77-86.	3.1	656
2	Smart technologies for promotion of energy efficiency, utilization of sustainable resources and waste management. Journal of Cleaner Production, 2019, 231, 565-591.	4.6	282
3	Application of the multi-criteria analysis method Electre III for the optimisation of decentralised energy systems. Omega, 2008, 36, 766-776.	3.6	197
4	Environmental performance evaluation of thermal insulation materials and its impact on the building. Building and Environment, 2007, 42, 2178-2187.	3.0	180
5	The impact of thermal bridges on the energy demand of buildings with double brick wall constructions. Energy and Buildings, 2008, 40, 2083-2089.	3.1	159
6	Comprehensive analysis and general economic-environmental evaluation of cooling techniques for photovoltaic panels, Part I: Passive cooling techniques. Energy Conversion and Management, 2017, 149, 334-354.	4.4	150
7	Comprehensive analysis and general economic-environmental evaluation of cooling techniques for photovoltaic panels, Part II: Active cooling techniques. Energy Conversion and Management, 2018, 155, 301-323.	4.4	143
8	A comparative review of heating systems in EU countries, based on efficiency and fuel cost. Renewable and Sustainable Energy Reviews, 2018, 90, 687-699.	8.2	131
9	An assessment tool for the energy, economic and environmental evaluation of thermal insulation solutions. Energy and Buildings, 2009, 41, 1165-1171.	3.1	120
10	A typological classification of the Greek residential building stock. Energy and Buildings, 2011, 43, 2779-2787.	3.1	118
11	Feasibility of energy saving renovation measures in urban buildings. Energy and Buildings, 2002, 34, 455-466.	3.1	116
12	Experimental investigation of the passive cooled free-standing photovoltaic panel with fixed aluminum fins on the backside surface. Journal of Cleaner Production, 2018, 176, 119-129.	4.6	112
13	Financial crisis and energy consumption: A household survey in Greece. Energy and Buildings, 2013, 65, 477-487.	3.1	109
14	Phase change material based cooling of photovoltaic panel: A simplified numerical model for the optimization of the phase change material layer and general economic evaluation. Journal of Cleaner Production, 2018, 189, 738-745.	4.6	97
15	Occupants' thermal comfort: State of the art and the prospects of personalized assessment in office buildings. Energy and Buildings, 2017, 153, 136-149.	3.1	93
16	The impact of temperature and moisture on the thermal performance of stone wool. Energy and Buildings, 2008, 40, 1402-1411.	3.1	89
17	Statistical analysis of the Greek residential building stock. Energy and Buildings, 2011, 43, 2422-2428.	3.1	80
18	Perspectives of solar cooling in view of the developments in the air-conditioning sector. Renewable and Sustainable Energy Reviews, 2003, 7, 419-438.	8.2	79

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19	Performance of radiant cooling surfaces with respect to energy consumption and thermal comfort. Energy and Buildings, 2013, 57, 199-209.	3.1	76
20	Experimental and numerical investigation of a backside convective cooling mechanism on photovoltaic panels. Energy, 2016, 111, 211-225.	4.5	76
21	Energy, economic and environmental performance of heating systems in Greek buildings. Energy and Buildings, 2008, 40, 224-230.	3.1	66
22	Assessment of retrofitting measures and solar systems' potential in urban areas using Geographical Information Systems: Application to a Mediterranean city. Renewable and Sustainable Energy Reviews, 2012, 16, 6239-6261.	8.2	64
23	Energy poverty and energy efficiency improvements: A longitudinal approach of the Hellenic households. Energy and Buildings, 2019, 197, 242-250.	3.1	62
24	Microbial fuel cells for bioelectricity production from waste as sustainable prospect of future energy sector. Chemosphere, 2022, 287, 132285.	4.2	62
25	Urban solar energy potential in Greece: A statistical calculation model of suitable built roof areas for photovoltaics. Energy and Buildings, 2013, 62, 459-468.	3.1	61
26	Supporting schemes for renewable energy sources and their impact on reducing the emissions of greenhouse gases in Greece. Renewable and Sustainable Energy Reviews, 2008, 12, 1767-1788.	8.2	60
27	Application of multicriteria analysis in designing HVAC systems. Energy and Buildings, 2009, 41, 774-780.	3.1	60
28	Catalyst-Based Synthesis of 2,5-Dimethylfuran from Carbohydrates as a Sustainable Biofuel Production Route. ACS Sustainable Chemistry and Engineering, 2022, 10, 3079-3115.	3.2	56
29	Performance of a Passive House under subtropical climatic conditions. Energy and Buildings, 2016, 133, 14-31.	3.1	55
30	Forty years of regulations on the thermal performance of the building envelope in Europe: Achievements, perspectives and challenges. Energy and Buildings, 2016, 127, 942-952.	3.1	53
31	The characteristics and the energy behaviour of the residential building stock of Cyprus in view of Directive 2002/91/EC. Energy and Buildings, 2010, 42, 2083-2089.	3.1	52
32	Cost-optimal insulation thickness in dry and mesothermal climates: Existing models and their improvement. Energy and Buildings, 2014, 68, 203-212.	3.1	49
33	Agroforestry for high value tree systems in Europe. Agroforestry Systems, 2018, 92, 945-959.	0.9	49
34	Analysis of flow separation effect in the case of the free-standing photovoltaic panel exposed to various operating conditions. Journal of Cleaner Production, 2018, 174, 53-64.	4.6	45
35	Solar cooling system using concentrating collectors for office buildings: A case study for Greece. Renewable Energy, 2016, 97, 697-708.	4.3	44
36	Life cycle analysis (LCA) and life cycle cost analysis (LCCA) of phase change materials (PCM) for thermal applications: A review. International Journal of Energy Research, 2018, 42, 3068-3077.	2.2	43

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37	Comparative analysis of various heating systems for residential buildings in Mediterranean climate. Energy and Buildings, 2016, 124, 79-87.	3.1	42
38	Hybrid energy scenarios for residential applications based on the heat pump split air-conditioning units for operation in the Mediterranean climate conditions. Energy and Buildings, 2017, 140, 110-120.	3.1	40
39	Assessment tools for the environmental evaluation of concrete, plaster and brick elements production. Journal of Cleaner Production, 2015, 99, 75-85.	4.6	39
40	The influence of street canyons on the cooling loads of buildings and the performance of air conditioning systems. Energy and Buildings, 2001, 33, 601-607.	3.1	38
41	Hybrid energy fuel cell based system for household applications in a Mediterranean climate. Energy Conversion and Management, 2015, 105, 1037-1045.	4.4	37
42	Energy efficiency in the Hellenic building sector: An assessment of the restrictions and perspectives of the market. Energy Policy, 2010, 38, 2776-2784.	4.2	35
43	Photovoltaics in urban environment: A case study for typical apartment buildings in Greece. Renewable Energy, 2012, 48, 453-463.	4.3	35
44	Life cycle cost optimization analysis of battery storage system for residential photovoltaic panels. Journal of Cleaner Production, 2021, 309, 127234.	4.6	35
45	Energy, environmental and economic optimization of thermal insulation solutions by means of an integrated decision support system. Energy and Buildings, 2011, 43, 686-694.	3.1	33
46	Sustainable building management: overview of certification schemes and standards. Advances in Building Energy Research, 2012, 6, 242-258.	1.1	32
47	Energy study of a medieval tower, restored as a museum. Energy and Buildings, 2003, 35, 951-961.	3.1	30
48	Developments in the utilisation of wind energy in Greece. Renewable Energy, 2008, 33, 105-110.	4.3	30
49	A computational method to assess the impact of urban climate on buildings using modeled climatic data. Energy and Buildings, 2008, 40, 215-223.	3.1	30
50	Multiobjective optimization of a building envelope with the use of phase change materials (PCMs) in Mediterranean climates. International Journal of Energy Research, 2018, 42, 3030-3047.	2.2	30
51	Life cycle and life cycle cost implications of integrated phase change materials in office buildings. International Journal of Energy Research, 2019, 43, 150-166.	2.2	30
52	Techno-economic and environmental evaluation of passive cooled photovoltaic systems in Mediterranean climate conditions. Applied Thermal Engineering, 2020, 169, 114947.	3.0	30
53	A feasibility evaluation tool for sustainable cities – A case study for Greece. Energy Policy, 2012, 44, 207-216.	4.2	27
54	Environmental performance of energy systems of residential buildings: Toward sustainable communities. Sustainable Cities and Society, 2016, 20, 96-108.	5.1	26

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55	Rating systems for counting buildings' environmental performance. International Journal of Sustainable Energy, 2009, 28, 29-43.	1.3	25
56	Integrated evaluation of radiative heating systems for residential buildings. Energy, 2011, 36, 4207-4215.	4.5	25
57	Façade photovoltaic systems on multifamily buildings: An urban scale evaluation analysis using geographical information systems. Renewable and Sustainable Energy Reviews, 2014, 39, 912-933.	8.2	25
58	Application of smart wearable sensors in office buildings for modelling of occupants' metabolic responses. Energy and Buildings, 2020, 226, 110399.	3.1	24
59	Energy Cost and its Impact on Regulating Building Energy Behaviour. Advances in Building Energy Research, 2007, 1, 105-121.	1.1	23
60	The impact of economic recession on domestic energy consumption. International Journal of Sustainable Energy, 2015, 34, 259-270.	1.3	23
61	Thermal constant analysis of phase change nanocomposites and discussion on selection strategies with respect to economic constraints. Sustainable Energy Technologies and Assessments, 2021, 43, 100957.	1.7	23
62	Characteristics of wastes from electric and electronic equipment in Greece: results of a field survey. Waste Management and Research, 2005, 23, 381-388.	2.2	22
63	Developing a new library of materials and structural elements for the simulative evaluation of buildings' energy performance. Building and Environment, 2008, 43, 710-719.	3.0	19
64	Legislative framework for photovoltaics in Greece: A review of the sector's development. Energy Policy, 2013, 55, 296-304.	4.2	19
65	Carbon footprint analysis as a tool for energy and environmental management in small and medium-sized enterprises. International Journal of Sustainable Energy, 2018, 37, 21-29.	1.3	19
66	Domestic energy deprivation in Greece: A field study. Energy and Buildings, 2017, 144, 167-174.	3.1	18
67	Building Integrated Shading and Building Applied Photovoltaic System Assessment in the Energy Performance and Thermal Comfort of Office Buildings. Sustainability, 2018, 10, 4670.	1.6	18
68	Analysis of novel passive cooling strategies for free-standing silicon photovoltaic panels. Journal of Thermal Analysis and Calorimetry, 2020, 141, 163-175.	2.0	18
69	Residential photovoltaic systems in Greece and in other European countries: a comparison and an overview. Advances in Building Energy Research, 2012, 6, 141-158.	1.1	17
70	Energy and Environmental Performance of Solar Thermal Systems in Hotel Buildings. Procedia Environmental Sciences, 2017, 38, 36-43.	1.3	17
71	Experimental investigation of novel hybrid phase change materials. Clean Technologies and Environmental Policy, 2022, 24, 201-212.	2.1	17
72	Optimisation of thermal protection in residential buildings using the variable base degree-days method. International Journal of Sustainable Energy, 2005, 24, 19-31.	1.3	16

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73	Monitoring energy poverty in Northern Greece: the energy poverty phenomenon. International Journal of Sustainable Energy, 2019, 38, 74-88.	1.3	16
74	Renewable energies and storage in small insular systems: Potential, perspectives and a case study. Renewable Energy, 2020, 149, 103-114.	4.3	16
75	Compost versus biogas treatment of sewage sludge dilemma assessment using life cycle analysis. Journal of Cleaner Production, 2022, 350, 131490.	4.6	16
76	Smart facades for non-residential buildings: an assessment. Advances in Building Energy Research, 2017, 11, 26-36.	1.1	14
77	Towards a holistic approach for the urban environment and its impact on energy utilisation in buildings: the ATREUS project. Journal of Environmental Monitoring, 2004, 6, 841.	2.1	13
78	Integrated Evaluation of the Performance of Composite Cool Thermal Insulation Materials. Energy Procedia, 2015, 78, 1581-1586.	1.8	13
79	Indoor Air Quality Guidelines and Standards - A State of the Art Review. International Journal of Ventilation, 2004, 3, 267-278.	0.2	12
80	Investigation of heat convection for photovoltaic panel towards efficient design of novel hybrid cooling approach with incorporated organic phase change material. Sustainable Energy Technologies and Assessments, 2021, 47, 101497.	1.7	12
81	Suitable thermal insulation solutions for Mediterranean climatic conditions: a case study for four Greek cities. Energy Efficiency, 2017, 10, 1081-1098.	1.3	11
82	Policy implementation and energy-saving strategies for the residential sector: The case of the Greek Energy Refurbishment program. Energy Policy, 2021, 149, 112100.	4.2	10
83	Development of a hierarchical system for the teletransmission of environmental and energy data. Telematics and Informatics, 2000, 17, 239-249.	3.5	9
84	Low energy cooling of the White Tower, functioning as a contemporary museum. Energy and Buildings, 2008, 40, 1377-1386.	3.1	9
85	Barriers on the propagation of renewable energy sources and sustainable solid waste management practices in Greece. Waste Management and Research, 2010, 28, 967-976.	2.2	9
86	Solar Thermal Systems for Low Energy Hotel Buildings: State of The Art, Perspectives and Challenges. Energy Procedia, 2015, 78, 1968-1973.	1.8	9
87	Concept of Building Evaluation Methodology for Gap Estimation Between Designed and Achieved Energy Savings. Procedia Environmental Sciences, 2017, 38, 538-545.	1.3	9
88	Fostering the transition to sustainable electricity systems: A hierarchical analysis framework. Journal of Cleaner Production, 2019, 206, 51-65.	4.6	9
89	Solar Air Conditioning: A Review of Technological and Market Perspectives. Advances in Building Energy Research, 2008, 2, 123-157.	1.1	8
90	Transportation cost analysis of the Hellenic system for alternative management of Waste Electrical and Electronic Equipment. International Journal of Environment and Waste Management, 2012, 10, 70.	0.2	8

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91	Managing the uncertainty of the U-value measurement using an auxiliary set along with a thermal camera. Energy and Buildings, 2021, 242, 110984.	3.1	8
92	Times of Recession: Three Different Renewable Energy Stories from the Mediterranean Region. Lecture Notes in Energy, 2013, , 263-275.	0.2	8
93	Evaluation of an attached sunspace without sun protection: How feasible is this approach in mediterranean summer conditions?. International Journal of Solar Energy, 2002, 22, 93-104.	0.2	7
94	Indoor Environmental Quality in Naturally Ventilated Office Buildings and its Impact on their Energy Performance. International Journal of Ventilation, 2003, 2, 203-212.	0.2	7
95	A Statistical Approach to the Prediction of the Energy Performance of Hotel Stock. International Journal of Ventilation, 2011, 10, 163-172.	0.2	7
96	Residential Heating under Energy Poverty Conditions: A Field Study. Procedia Environmental Sciences, 2017, 38, 867-874.	1.3	7
97	Life Cycle Analysis and Life Cycle Cost Analysis of green roofs in the Mediterranean climatic conditions. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-14.	1.2	7
98	Webâ€based tools for environmental management. Management of Environmental Quality, 2001, 12, 356-363.	0.4	6
99	An Assessment of the Overall Comfort Sensation in Workplaces. International Journal of Ventilation, 2012, 10, 311-322.	0.2	6
100	Construction Materials and Green Building Certification. Key Engineering Materials, 2015, 666, 89-96.	0.4	6
101	Energy policy towards nZEB: The Hellenic and Cypriot case. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-14.	1.2	6
102	Impact of energy pricing on buildings' energy design. Management of Environmental Quality, 2006, 17, 753-761.	2.2	5
103	Proposing intelligent alternative propulsion concepts contributing to higher CO ₂ savings with first generation biofuels. Management of Environmental Quality, 2008, 19, 740-749.	2.2	5
104	On the evaluation of heating, ventilating and air conditioning systems. Advances in Building Energy Research, 2010, 4, 23-44.	1.1	5
105	Energy Efficiency in Hospitals: Historical Development, Trends and Perspectives. , 2016, , 217-233.		5
106	Evaluation of Thermal Sensation in Office Buildings: A Case Study in the Mediterranean. Procedia Environmental Sciences, 2017, 38, 28-35.	1.3	5
107	Development of an Integrated, Personalized Comfort Methodology for Office Buildings. Energies, 2017, 10, 1202.	1.6	5
108	Application of wearable sensory devices in predicting occupant's thermal comfort in office buildings during the cooling season. IOP Conference Series: Earth and Environmental Science, 2020, 410, 012092.	0.2	5

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109	Energy policy and regulatory tools for sustainable buildings. IOP Conference Series: Earth and Environmental Science, 2020, 410, 012078.	0.2	5
110	Management of museums' indoor environment: An interdisciplinary challenge. Advances in Building Energy Research, 2011, 5, 43-51.	1.1	4
111	On the elasticity of residential energy consumption. , 2014, , .		4
112	Effective ventilation strategies for net zero-energy buildings in Mediterranean climates. International Journal of Ventilation, 0, , 1-17.	0.2	4
113	Circularity in production process as a tool to reduce energy, environmental impacts and operational cost: The case of insulation materials. , 2019, , .		3
114	High performance building façades for Zero Energy Buildings in Greece: State of the art and perspectives. IOP Conference Series: Earth and Environmental Science, 2020, 410, 012036.	0.2	3
115	Developing a strategy for energy efficiency in the Egyptian building sector. IOP Conference Series: Earth and Environmental Science, 2020, 410, 012076.	0.2	3
116	Alternative storage options for solar thermal systems. International Journal of Energy Research, 2021, 45, 151-166.	2.2	3
117	Life Cycle Assessment for Supporting Dimensioning Battery Storage Systems in Micro-Grids for Residential Applications. Energies, 2021, 14, 6189.	1.6	3
118	Demand Side Flexibility Potential and Comfort Performance of Non-Residential Buildings. Journal of Physics: Conference Series, 2021, 2069, 012151.	0.3	3
119	Evaluation of methods for determining energy flexibility of buildings. , 0, , .		3
120	Ambient air temperature and degree-day data analysis of the period 2006–2017 for Cyprus. Journal of Thermal Analysis and Calorimetry, 2020, 141, 435-445.	2.0	2
121	Indoor thermal comfort conditions in summer under subtropical climate conditions. International Journal of Sustainable Energy, 2020, 39, 396-411.	1.3	2
122	Energy and economic analysis of an auditorium's air conditioning system with heat recovery in various climatic zones. Thermal Science, 2018, 22, 933-943.	0.5	2
123	Analysis of environmental aspects affecting comfort in commercial buildings. Thermal Science, 2018, 22, 819-830.	0.5	2
124	Indoor environmental quality in non-residential buildings - experimental investigation. Thermal Science, 2016, 20, 1521-1529.	0.5	2
125	The occupants' comfort in non-residential nearly Zero Energy Buildings in the 21 st century: A review. , 2020, , .		2
126	Phase Change Materials to increase the storage potential of solar thermal systems. , 2019, , .		1

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127	Energy Consumption in Greek Households During the Economic Recession. International Journal of Monitoring and Surveillance Technologies Research, 2014, 2, 25-39.	0.3	1
128	Comfort Sensation Versus Environmental Aspects in Office Buildings. Green Energy and Technology, 2018, , 833-847.	0.4	1
129	Construction typologies for energy upgrade in terms of thermophysical analysis and operational measurements in non residential buildings. , 2021, , .		1
130	An optimization tool for the energy management of insular communities. , 2019, , .		0
131	Towards integrated energy and environmental management of commercial buildings: The Onassis Cultural Centre (OCC) case. IOP Conference Series: Earth and Environmental Science, 2020, 410, 012039.	0.2	0
132	Classification of buildings in Cyprus based on their energy performance. WIT Transactions on Ecology and the Environment, 2009, , .	0.0	0
133	Improving the Energy and Environmental Efficiency of the Hotel Sector. Green Energy and Technology, 2018, , 823-832.	0.4	0
134	Energy and Environmental Evaluation of Retrofitting Facades for Zero Energy Buildings: The Case of	0.3	0

an Office Building in Greece. Journal of Physics: Conference Series, 2021, 2069, 012108. 134