Aiman Albatayneh

List of Publications by Year
in descending order

57	864	393982	552369
papers	citations	19 h-index	26 g-index

61	61	61	344
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Liquid desiccant systems for cooling applications in broilers farms in humid subtropical climates. Sustainable Energy Technologies and Assessments, 2022, 51, 101902.	1.7	1
2	Effect of the subsidised electrical energy tariff on the residential energy consumption in Jordan. Energy Reports, 2022, 8, 893-903.	2.5	30
3	Potential Electricity Production by Installing Photovoltaic Systems on the Rooftops of Residential Buildings in Jordan: An Approach to Climate Change Mitigation. Energies, 2022, 15, 496.	1.6	21
4	Rooftop photovoltaic system as a shading device for uninsulated buildings. Energy Reports, 2022, 8, 4223-4232.	2.5	17
5	Sustainable Green University: Waste Auditing, German Jordanian University as a Case Study. Frontiers in Built Environment, 2022, 8, .	1.2	1
6	Experimental validation of dust impact on-grid connected PV system performance in Palestine: An energy nexus perspective. Energy Nexus, 2022, 6, 100082.	3.3	24
7	Predicting COVID-19 future trends for different European countries using Pearson correlation. Euro-Mediterranean Journal for Environmental Integration, 2022, , 1-14.	0.6	6
8	Potential of Using WVO for a Restaurant EV Charging Station. Environmental and Climate Technologies, 2022, 26, 392-405.	0.5	3
9	The Effects of Soiling and Frequency of Optimal Cleaning of PV Panels in Palestine. Energies, 2022, 15, 4232.	1.6	10
10	Evaluation of Coupling PV and Air Conditioning vs. Solar Cooling Systemsâ€"Case Study from Jordan. Applied Sciences (Switzerland), 2021, 11, 511.	1.3	17
11	Optimising the Parameters of a Building Envelope in the East Mediterranean Saharan, Cool Climate Zone. Buildings, 2021, 11, 43.	1.4	26
12	Examining the Thermal Properties of Full-Scale Test Modules on the Overall Thermal Performance of Buildings. Advances in Science, Technology and Innovation, 2021, , 169-177.	0.2	0
13	A Composite Moving Average Algorithm for Predicting Energy in Solar Powered Wireless Sensor Nodes. , 2021, , .		6
14	The Significance of the Adaptive Thermal Comfort Practice over the Structure Retrofits to Sustain Indoor Thermal Comfort. Energies, 2021, 14, 2946.	1.6	26
15	Optimum Building Design Variables in a Warm Saharan Mediterranean Climate Zone. International Journal of Photoenergy, 2021, 2021, 1-13.	1.4	2
16	Sensitivity analysis optimisation of building envelope parameters in a sub-humid Mediterranean climate zone. Energy Exploration and Exploitation, 2021, 39, 2080-2102.	1.1	10
17	The Impact of Modern Artificial Lighting on the Optimum Window-to-Wall Ratio of Residential Buildings in Jordan. Applied Sciences (Switzerland), 2021, 11, 5888.	1.3	17
18	Towards Sustainable Energy Retrofitting, a Simulation for Potential Energy Use Reduction in Residential Buildings in Palestine. Energies, 2021, 14, 3876.	1.6	29

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19	Sea Level Rise Mitigation by Global Sea Water Desalination Using Renewable-Energy-Powered Plants. Sustainability, 2021, 13, 9552.	1.6	10
20	The Significance of Occupantsâ€™ Interaction with Their Environment on Reducing Cooling Loads and Dermatological Distresses in East Mediterranean Climates. International Journal of Environmental Research and Public Health, 2021, 18, 8870.	1.2	13
21	Influence of the Advancement in the LED Lighting Technologies on the Optimum Windows-to-Wall Ratio of Jordanians Residential Buildings. Energies, 2021, 14, 5446.	1.6	12
22	A Critical Review on Recycling Composite Waste Using Pyrolysis for Sustainable Development. Energies, 2021, 14, 5748.	1.6	26
23	Optimisation of building envelope parameters in a semi-arid and warm Mediterranean climate zone. Energy Reports, 2021, 7, 2081-2093.	2.5	29
24	Energy Saving and CO₂ Mitigation as a Result of Reshaping Transportation in Jordan to Focus on the Use of Electric Passenger Cars. Environmental and Climate Technologies, 2021, 25, 222-232.	0.5	1
25	Preparedness Plan for the Water Supply Infrastructure during Water Terrorismâ€"A Case Study from Irbid, Jordan. Water (Switzerland), 2021, 13, 2887.	1.2	3
26	Knowledge gap with the existing building energy assessment systems. Energy Exploration and Exploitation, 2020, 38, 783-794.	1.1	12
27	Key aspects and feasibility assessment of a proposed wind farm in Jordan. International Journal of Low-Carbon Technologies, 2020, 15, 97-105.	1.2	11
28	The Significance of Sky Temperature in the Assessment of the Thermal Performance of Buildings. Applied Sciences (Switzerland), 2020, 10, 8057.	1.3	21
29	Alternative Method to the Replication of Wind Effects into the Buildings Thermal Simulation. Buildings, 2020, 10, 237.	1.4	8
30	Adaption of an Evaporative Desert Cooler into a Liquid Desiccant Air Conditioner: Experimental and Numerical Analysis. Atmosphere, 2020, 11, 40.	1.0	5
31	The Significance of Wind Turbines Layout Optimization on the Predicted Farm Energy Yield. Atmosphere, 2020, 11, 117.	1.0	18
32	Potential Study of Solar Thermal Cooling in Sub-Mediterranean Climate. Applied Sciences (Switzerland), 2020, 10, 2418.	1.3	8
33	Comparison of the Overall Energy Efficiency for Internal Combustion Engine Vehicles and Electric Vehicles. Environmental and Climate Technologies, 2020, 24, 669-680.	0.5	76
34	The Effectiveness of Infiltration against Roof Insulation aimed at Low Income Housing Retrofits for Different Climate Zones in Jordan. Environmental and Climate Technologies, 2020, 24, 11-22.	0.5	6
35	Time Value of Energy as a Low-Cost Energy Efficiency Technique. Environmental and Climate Technologies, 2020, 24, 1-10.	0.5	0
36	Development of a new metric to characterise the buildings thermal performance in a temperate climate. Energy for Sustainable Development, 2019, 51, 1-12.	2.0	19

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37	The Significance of the Adaptive Thermal Comfort Limits on the Air-Conditioning Loads in a Temperate Climate. Sustainability, 2019, 11, 328.	1.6	32
38	Battery Charging Application with Thermoelectric Generators as Energy Harvesters. The Academic Research Community Publication, 2019, 3, 248-259.	0.1	3
39	Biofuel in Developing Countriesâ€"Ethical Concerns. Advances in Science, Technology and Innovation, 2019, , 149-154.	0.2	2
40	The Application of Ground-Source Heat Pumps for a Residential Building in Jordan. Advances in Science, Technology and Innovation, 2019, , 161-167.	0.2	2
41	The Benefits of Lower Thermal Mass Over Higher Thermal Mass Constructions in Sub-Mediterranean Climates. , 2019, , .		1
42	Adaptation the Use of CFD Modelling for Building Thermal Simulation. , 2018, , .		12
43	Renewable Energy Systems to Enhance Buildings Thermal Performance and Decrease Construction Costs. Energy Procedia, 2018, 152, 312-317.	1.8	23
44	The Significance of the Orientation on the Overall buildings Thermal Performance-Case Study in Australia. Energy Procedia, 2018, 152, 372-377.	1.8	28
45	The Impact of the Thermal Comfort Models on the Prediction of Building Energy Consumption. Sustainability, 2018, 10, 3609.	1.6	39
46	The Influence of Buildingâ€™s Orientation on the Overall Thermal Performance. Environmental Science and Sustainable Development, 2018, 3, 63.	0.0	9
47	The Significance of Building Design for the Climate. Environmental and Climate Technologies, 2018, 22, 165-178.	0.5	39
48	An Alternative Approach to the Simulation of Wind Effects on the Thermal Performance of Buildings. International Journal of Computational Physics Series, 2018, 1, 35-44.	0.3	5
49	The Influence of Buildingâ€™s Orientation on the Overall Thermal Performance. The Academic Research Community Publication, 2018, 2, 1-6.	0.1	1
50	The Influence of Buildingâ€™s Orientation on the Overall Thermal Performance. The Academic Research Community Publication, 2018, 2, 1-6.	0.1	0
51	Temperature versus energy based approaches in the thermal assessment of buildings. Energy Procedia, 2017, 128, 46-50.	1.8	18
52	Thermal Assessment of Buildings Based on Occupants Behavior and the Adaptive Thermal Comfort Approach. Energy Procedia, 2017, 115, 265-271.	1.8	14
53	Discrepancies in Peak Temperature Times using Prolonged CFD Simulations of Housing Thermal Performance. Energy Procedia, 2017, 115, 253-264.	1.8	20
54	The Significance of Temperature Based Approach Over the Energy Based Approaches in the Buildings Thermal Assessment. Environmental and Climate Technologies, 2017, 19, 39-50.	0.5	29

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55	Assessment of the Thermal Performance of Complete Buildings Using Adaptive Thermal Comfort. Procedia, Social and Behavioral Sciences, 2016, 216, 655-661.	0.5	21
56	WARMING ISSUES ASSOCIATED WITH THE LONG TERM SIMULATION OF HOUSING USING CFD ANALYSIS. Journal of Green Building, 2016, 11, 57-74.	0.4	15
57	The Significance of Time Step Size in Simulating the Thermal Performance of Buildings. Advances in Research, 2015, 5, 1-12.	0.3	23