

Aiman Albatayneh

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

864
citations

393982

19
h-index

552369

26
g-index

61
all docs

61
docs citations

61
times ranked

344
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of the Overall Energy Efficiency for Internal Combustion Engine Vehicles and Electric Vehicles. <i>Environmental and Climate Technologies</i> , 2020, 24, 669-680.	0.5	76
2	The Impact of the Thermal Comfort Models on the Prediction of Building Energy Consumption. <i>Sustainability</i> , 2018, 10, 3609.	1.6	39
3	The Significance of Building Design for the Climate. <i>Environmental and Climate Technologies</i> , 2018, 22, 165-178.	0.5	39
4	The Significance of the Adaptive Thermal Comfort Limits on the Air-Conditioning Loads in a Temperate Climate. <i>Sustainability</i> , 2019, 11, 328.	1.6	32
5	Effect of the subsidised electrical energy tariff on the residential energy consumption in Jordan. <i>Energy Reports</i> , 2022, 8, 893-903.	2.5	30
6	The Significance of Temperature Based Approach Over the Energy Based Approaches in the Buildings Thermal Assessment. <i>Environmental and Climate Technologies</i> , 2017, 19, 39-50.	0.5	29
7	Towards Sustainable Energy Retrofitting, a Simulation for Potential Energy Use Reduction in Residential Buildings in Palestine. <i>Energies</i> , 2021, 14, 3876.	1.6	29
8	Optimisation of building envelope parameters in a semi-arid and warm Mediterranean climate zone. <i>Energy Reports</i> , 2021, 7, 2081-2093.	2.5	29
9	The Significance of the Orientation on the Overall buildings Thermal Performance-Case Study in Australia. <i>Energy Procedia</i> , 2018, 152, 372-377.	1.8	28
10	Optimising the Parameters of a Building Envelope in the East Mediterranean Saharan, Cool Climate Zone. <i>Buildings</i> , 2021, 11, 43.	1.4	26
11	The Significance of the Adaptive Thermal Comfort Practice over the Structure Retrofits to Sustain Indoor Thermal Comfort. <i>Energies</i> , 2021, 14, 2946.	1.6	26
12	A Critical Review on Recycling Composite Waste Using Pyrolysis for Sustainable Development. <i>Energies</i> , 2021, 14, 5748.	1.6	26
13	Experimental validation of dust impact on-grid connected PV system performance in Palestine: An energy nexus perspective. <i>Energy Nexus</i> , 2022, 6, 100082.	3.3	24
14	Renewable Energy Systems to Enhance Buildings Thermal Performance and Decrease Construction Costs. <i>Energy Procedia</i> , 2018, 152, 312-317.	1.8	23
15	The Significance of Time Step Size in Simulating the Thermal Performance of Buildings. <i>Advances in Research</i> , 2015, 5, 1-12.	0.3	23
16	Assessment of the Thermal Performance of Complete Buildings Using Adaptive Thermal Comfort. <i>Procedia, Social and Behavioral Sciences</i> , 2016, 216, 655-661.	0.5	21
17	The Significance of Sky Temperature in the Assessment of the Thermal Performance of Buildings. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8057.	1.3	21
18	Potential Electricity Production by Installing Photovoltaic Systems on the Rooftops of Residential Buildings in Jordan: An Approach to Climate Change Mitigation. <i>Energies</i> , 2022, 15, 496.	1.6	21

#	ARTICLE	IF	CITATIONS
19	Discrepancies in Peak Temperature Times using Prolonged CFD Simulations of Housing Thermal Performance. <i>Energy Procedia</i> , 2017, 115, 253-264.	1.8	20
20	Development of a new metric to characterise the buildings thermal performance in a temperate climate. <i>Energy for Sustainable Development</i> , 2019, 51, 1-12.	2.0	19
21	Temperature versus energy based approaches in the thermal assessment of buildings. <i>Energy Procedia</i> , 2017, 128, 46-50.	1.8	18
22	The Significance of Wind Turbines Layout Optimization on the Predicted Farm Energy Yield. <i>Atmosphere</i> , 2020, 11, 117.	1.0	18
23	Evaluation of Coupling PV and Air Conditioning vs. Solar Cooling Systems – Case Study from Jordan. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 511.	1.3	17
24	The Impact of Modern Artificial Lighting on the Optimum Window-to-Wall Ratio of Residential Buildings in Jordan. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5888.	1.3	17
25	Rooftop photovoltaic system as a shading device for uninsulated buildings. <i>Energy Reports</i> , 2022, 8, 4223-4232.	2.5	17
26	WARMING ISSUES ASSOCIATED WITH THE LONG TERM SIMULATION OF HOUSING USING CFD ANALYSIS. <i>Journal of Green Building</i> , 2016, 11, 57-74.	0.4	15
27	Thermal Assessment of Buildings Based on Occupants Behavior and the Adaptive Thermal Comfort Approach. <i>Energy Procedia</i> , 2017, 115, 265-271.	1.8	14
28	The Significance of Occupants' Interaction with Their Environment on Reducing Cooling Loads and Dermatological Distresses in East Mediterranean Climates. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8870.	1.2	13
29	Adaptation the Use of CFD Modelling for Building Thermal Simulation. , 2018, , .		12
30	Knowledge gap with the existing building energy assessment systems. <i>Energy Exploration and Exploitation</i> , 2020, 38, 783-794.	1.1	12
31	Influence of the Advancement in the LED Lighting Technologies on the Optimum Windows-to-Wall Ratio of Jordanians Residential Buildings. <i>Energies</i> , 2021, 14, 5446.	1.6	12
32	Key aspects and feasibility assessment of a proposed wind farm in Jordan. <i>International Journal of Low-Carbon Technologies</i> , 2020, 15, 97-105.	1.2	11
33	Sensitivity analysis optimisation of building envelope parameters in a sub-humid Mediterranean climate zone. <i>Energy Exploration and Exploitation</i> , 2021, 39, 2080-2102.	1.1	10
34	Sea Level Rise Mitigation by Global Sea Water Desalination Using Renewable-Energy-Powered Plants. <i>Sustainability</i> , 2021, 13, 9552.	1.6	10
35	The Effects of Soiling and Frequency of Optimal Cleaning of PV Panels in Palestine. <i>Energies</i> , 2022, 15, 4232.	1.6	10
36	The Influence of Building's Orientation on the Overall Thermal Performance. <i>Environmental Science and Sustainable Development</i> , 2018, 3, 63.	0.0	9

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37	Alternative Method to the Replication of Wind Effects into the Buildings Thermal Simulation. Buildings, 2020, 10, 237.	1.4	8
38	Potential Study of Solar Thermal Cooling in Sub-Mediterranean Climate. Applied Sciences (Switzerland), 2020, 10, 2418.	1.3	8
39	A Composite Moving Average Algorithm for Predicting Energy in Solar Powered Wireless Sensor Nodes. , 2021, , .		6
40	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
41	Predicting COVID-19 future trends for different European countries using Pearson correlation. Euro-Mediterranean Journal for Environmental Integration, 2022, , 1-14.	0.6	6
42	Adaption of an Evaporative Desert Cooler into a Liquid Desiccant Air Conditioner: Experimental and Numerical Analysis. Atmosphere, 2020, 11, 40.	1.0	5
43	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
44	Battery Charging Application with Thermoelectric Generators as Energy Harvesters. The Academic Research Community Publication, 2019, 3, 248-259.	0.1	3
45	Preparedness Plan for the Water Supply Infrastructure during Water Terrorism”A Case Study from Irbid, Jordan. Water (Switzerland), 2021, 13, 2887.	1.2	3
46	Potential of Using WVO for a Restaurant EV Charging Station. Environmental and Climate Technologies, 2022, 26, 392-405.	0.5	3
47	Optimum Building Design Variables in a Warm Saharan Mediterranean Climate Zone. International Journal of Photoenergy, 2021, 2021, 1-13.	1.4	2
48	Biofuel in Developing Countries”Ethical Concerns. Advances in Science, Technology and Innovation, 2019, , 149-154.	0.2	2
49	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
50	Energy Saving and CO ₂ 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
51	The Influence of Building’s Orientation on the Overall Thermal Performance. The Academic Research Community Publication, 2018, 2, 1-6.	0.1	1
52	The Benefits of Lower Thermal Mass Over Higher Thermal Mass Constructions in Sub-Mediterranean Climates. , 2019, , .		1
53	Liquid desiccant systems for cooling applications in broilers farms in humid subtropical climates. Sustainable Energy Technologies and Assessments, 2022, 51, 101902.	1.7	1
54	Sustainable Green University: Waste Auditing, German Jordanian University as a Case Study. Frontiers in Built Environment, 2022, 8, .	1.2	1

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55	Examining the Thermal Properties of Full-Scale Test Modules on the Overall Thermal Performance of Buildings. <i>Advances in Science, Technology and Innovation</i> , 2021, , 169-177.	0.2	0
56	The Influence of Building's Orientation on the Overall Thermal Performance. <i>The Academic Research Community Publication</i> , 2018, 2, 1-6.	0.1	0
57	Time Value of Energy as a Low-Cost Energy Efficiency Technique. <i>Environmental and Climate Technologies</i> , 2020, 24, 1-10.	0.5	0