

Mamdooh Alwetaishi

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

654
citations

623574

14
h-index

677027

22
g-index

56
all docs

56
docs citations

56
times ranked

273
citing authors

#	ARTICLE	IF	CITATIONS
1	A suitability mapping for the PV solar farms in Egypt based on GIS-AHP to optimize multi-criteria feasibility. <i>Ain Shams Engineering Journal</i> , 2022, 13, 101618.	3.5	66
2	Sargassum myriocystum-mediated TiO ₂ -nanoparticles and their antimicrobial, larvicidal activities and enhanced photocatalytic degradation of various dyes. <i>Environmental Research</i> , 2022, 204, 112278.	3.7	42
3	Impact of glazing to wall ratio in various climatic regions: A case study. <i>Journal of King Saud University, Engineering Sciences</i> , 2019, 31, 6-18.	1.2	36
4	Investigation into energy performance of a school building in a hot climate: Optimum of window-to-wall ratio. <i>Indoor and Built Environment</i> , 2020, 29, 24-39.	1.5	35
5	Petrogenesis of Neoproterozoic Ultramafic Rocks, Wadi Ibibâ€“Wadi Shani, South Eastern Desert, Egypt: Constraints from Whole Rock and Mineral Chemistry. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10524.	1.3	29
6	A Deep Learning-Based Novel Approach for Weed Growth Estimation. <i>Intelligent Automation and Soft Computing</i> , 2022, 31, 1157-1173.	1.6	28
7	Impact of Building Function on Thermal Comfort: A Review Paper. <i>American Journal of Engineering and Applied Sciences</i> , 2016, 9, 928-945.	0.3	24
8	Towards Sustainable Residential Buildings in Saudi Arabia According to the Conceptual Framework of â€œMostadamâ€•Rating System and Vision 2030. <i>Sustainability</i> , 2021, 13, 793.	1.6	23
9	An investigation of shading devices in a hot region: A case study in a school building. <i>Ain Shams Engineering Journal</i> , 2021, 12, 3229-3239.	3.5	20
10	Use of waste recycling coal bottom ash and sugarcane bagasse ash as cement and sand replacement material to produce sustainable concrete. <i>Environmental Science and Pollution Research</i> , 2022, 29, 52399-52411.	2.7	20
11	Improving the performance of a hybrid solar desalination system under various operating conditions. <i>Chemical Engineering Research and Design</i> , 2022, 162, 706-720.	2.7	20
12	Exploring thermal comfort experience and adaptive opportunities of female and male high school students. <i>Journal of Building Engineering</i> , 2020, 31, 101365.	1.6	19
13	User Thermal Comfort in Historic Buildings: Evaluation of the Potential of Thermal Mass, Orientation, Evaporative Cooling and Ventilation. <i>Sustainability</i> , 2020, 12, 9672.	1.6	16
14	Sustainable applications of asphalt mixes with reclaimed asphalt pavement (RAP) materials: innovative and new building brick. <i>International Journal of Low-Carbon Technologies</i> , 2019, 14, 364-374.	1.2	15
15	Potential of Solatube technology as passive daylight systems for sustainable buildings in Saudi Arabia. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 339-353.	3.4	15
16	Voluntary Local Review Framework to Monitor and Evaluate the Progress towards Achieving Sustainable Development Goals at a City Level: Buraidah City, KSA and SDG11 as A Case Study. <i>Sustainability</i> , 2021, 13, 9555.	1.6	14
17	Evaluation of Karst Spring Discharge Response Using Time-Scale-Based Methods for a Mediterranean Basin of Northern Algeria. <i>Water (Switzerland)</i> , 2021, 13, 2946.	1.2	13
18	Reliance of building energy in various climatic regions using multi criteria. <i>International Journal of Sustainable Built Environment</i> , 2017, 6, 555-564.	3.2	11

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19	Impact of Window to Wall Ratio on Energy Loads in Hot Regions: A Study of Building Energy Performance. <i>Energies</i> , 2021, 14, 1080.	1.6	11
20	Effect of Quarry Rock Dust as a Binder on the Properties of Fly Ash and Slag-Based Geopolymer Concrete Exposed to Ambient and Elevated Temperatures. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9192.	1.3	11
21	Energy performance in residential buildings: Evaluation of the potential of building design and environmental parameter. <i>Ain Shams Engineering Journal</i> , 2022, 13, 101708.	3.5	11
22	Householdsâ€™ Energy Choices in Rural Pakistan. <i>Energies</i> , 2022, 15, 3149.	1.6	11
23	Stakeholderâ€™s Perspective on Green Building Rating Systems in Saudi Arabia: The Case of LEED, Mostadam, and the SDGs. <i>Sustainability</i> , 2021, 13, 8463.	1.6	10
24	Thermal Performance Study of Solar Air Dryers for Cashew Kernel: A Comparative Analysis and Modelling Using Response Surface Methodology (RSM) and Artificial Neural Network (ANN). <i>International Journal of Photoenergy</i> , 2022, 2022, 1-18.	1.4	10
25	Developing and Applying a Model for Evaluating Risks Affecting Greening Existing Buildings. <i>Sustainability</i> , 2021, 13, 6403.	1.6	9
26	Numerical investigation of the effect of spray angle on emission characteristics of a diesel engine fueled with natural gas and diesel. <i>Energy Reports</i> , 2021, 7, 7273-7287.	2.5	9
27	Circular Economy in the Construction Industry: A Step towards Sustainable Development. <i>Buildings</i> , 2022, 12, 1004.	1.4	9
28	Numerical study of micro-climatically responsive school building design in Saudi Arabia. <i>Journal of King Saud University, Engineering Sciences</i> , 2019, 31, 224-233.	1.2	8
29	New and innovative wind catcher designs to improve indoor air quality in buildings. <i>Energy and Built Environment</i> , 2021, 2, 337-344.	2.9	8
30	Thermally radiated jeffery fluid flow with nanoparticles over a surface of varying thickness in the influence of heat source. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101549.	2.8	8
31	Toward Sustainable Healthcare Facilities: An Initiative for Development of â€œMostadam-HCFâ€•Rating System in Saudi Arabia. <i>Sustainability</i> , 2021, 13, 6742.	1.6	7
32	Strength and Water Absorption of Sustainable Concrete Produced with Recycled Basaltic Concrete Aggregates and Powder. <i>Sustainability</i> , 2021, 13, 6277.	1.6	7
33	Investigation of school building microclimate using advanced energy equipment: Case study. <i>Environmental Engineering Research</i> , 2018, 23, 10-20.	1.5	7
34	Numerical Modeling and Symmetry Analysis of a Pine Wilt Disease Model Using the Mittagâ€•Leffler Kernel. <i>Symmetry</i> , 2022, 14, 1067.	1.1	7
35	Effect of using heavy aggregates on the high performance concrete used in nuclear facilities. <i>Construction and Building Materials</i> , 2021, 310, 125111.	3.2	6
36	An innovative approach to check buildings insulation efficiency using thermal cameras. <i>Ain Shams Engineering Journal</i> , 2022, 13, 101740.	3.5	6

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37	Toward sustainable school building design: A case study in hot and humid climate. Cogent Engineering, 2018, 5, 1452665.	1.1	5
38	The use of artificial intelligence (AI) and Big-Data to improve energy consumption in existing buildings. IOP Conference Series: Materials Science and Engineering, 2021, 1148, 012001.	0.3	5
39	A GIS-Based Groundwater Contamination Assessment Using Modified DRASTIC Geospatial Technique. Water (Switzerland), 2021, 13, 2868.	1.2	5
40	Structural Identification of a 90 m High Minaret of a Landmark Structure under Ambient Vibrations. Buildings, 2022, 12, 252.	1.4	5
41	Managing construction site communication using the responsibility assignment matrix (RAM) system. International Journal of Construction Management, 2022, 22, 2966-2986.	2.2	4
42	Can we learn from heritage buildings to achieve nearly zero energy building and thermal comfort? A case study in a hot climate. Advances in Building Energy Research, 2020, , 1-17.	1.1	4
43	Effects of limestone filler fineness on the rheological behavior of cement " Limestone filler grouts. Ain Shams Engineering Journal, 2021, 12, 3569-3578.	3.5	4
44	Use of Underground Constructions Enhanced with Evaporative Cooling to Improve Indoor Built Environment in Hot Climate. Buildings, 2021, 11, 573.	1.4	4
45	Adjustment of the Indoor Environmental Quality Assessment Field for Taif City-Saudi Arabia. Sustainability, 2020, 12, 10275.	1.6	3
46	Valorization of Powder Obtained from Marble Sludge Waste and Its Suitability as a Mineral Filler. Crystals, 2021, 11, 619.	1.0	3
47	Parametric study of carbon fiber reinforced polymer laminates geometry on the mechanical behavior of strengthened reinforced concrete beams under standard four-point bending test. Polymer Composites, 2021, 42, 4560-4572.	2.3	3
48	Can Underground Buildings Be Beneficial in Hot Regions? An Investigation of Field Measurements in On-Site Built Underground Construction. Buildings, 2021, 11, 341.	1.4	2
49	Numerical Study on Natural Ventilation Characteristics of a Partial-Cylinder Opening for One-Sided-Windcatcher of Variable Air-Feeding Orientations in Taif, Saudi Arabia. Sustainability, 2021, 13, 11310.	1.6	2
50	Thermal outcomes of Williamson pseudo-plastic nanofluid with microorganisms due to the heated Riga surface with bio-fuel applications. Waves in Random and Complex Media, 0, , 1-24.	1.6	2
51	Visual Comfort Achievement In Compliance With Thermal Comfort Recommendations In Educational Buildings In Taif City, KSA. , 2021, , .		1
52	Investigating Trends and Costs Associated with Designing Concrete Mixes Using Different Methods by Computer Programs. Advances in Civil Engineering, 2022, 2022, 1-13.	0.4	1
53	Advanced energy architectural configurations and its influence on the indoor environment in various climatic regions. Cogent Engineering, 2018, 5, 1469954.	1.1	0
54	THERMAL EFFECT OF LIGHTING AND WINDOW-TO-WALL RATIO IN MOSQUES: A CASE STUDY IN A HOT CLIMATE " SAUDI ARABIA. WIT Transactions on Ecology and the Environment, 2021, , .	0.0	0

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55	INVESTIGATION OF ENERGY CONSUMPTION IN RESIDENTIAL BUILDINGS IN HOT REGIONS. , 2021, , .		0