

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	Managing construction site communication using the responsibility assignment matrix (RAM) system. <i>International Journal of Construction Management</i> , 2022, 22, 2966-2986.	2.2	4
2	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
3	A Deep Learning-Based Novel Approach for Weed Growth Estimation. <i>Intelligent Automation and Soft Computing</i> , 2022, 31, 1157-1173.	1.6	28
4	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
5	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
6	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
7	Investigating Trends and Costs Associated with Designing Concrete Mixes Using Different Methods by Computer Programs. <i>Advances in Civil Engineering</i> , 2022, 2022, 1-13.	0.4	1
8	Structural Identification of a 90 m High Minaret of a Landmark Structure under Ambient Vibrations. <i>Buildings</i> , 2022, 12, 252.	1.4	5
9	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
10	An innovative approach to check buildings insulation efficiency using thermal cameras. <i>Ain Shams Engineering Journal</i> , 2022, 13, 101740.	3.5	6
11	Households' Energy Choices in Rural Pakistan. <i>Energies</i> , 2022, 15, 3149.	1.6	11
12	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
13	Numerical Modeling and Symmetry Analysis of a Pine Wilt Disease Model Using the Mittag-Leffler Kernel. <i>Symmetry</i> , 2022, 14, 1067.	1.1	7
14	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
15	Circular Economy in the Construction Industry: A Step towards Sustainable Development. <i>Buildings</i> , 2022, 12, 1004.	1.4	9
16	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
17	Towards Sustainable Residential Buildings in Saudi Arabia According to the Conceptual Framework of 'Mostadam' Rating System and Vision 2030. <i>Sustainability</i> , 2021, 13, 793.	1.6	23
18	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

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19	Visual Comfort Achievement In Compliance With Thermal Comfort Recommendations In Educational Buildings In Taif City, KSA. , 2021, , .		1
20	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
21	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
22	Valorization of Powder Obtained from Marble Sludge Waste and Its Suitability as a Mineral Filler. Crystals, 2021, 11, 619.	1.0	3
23	Developing and Applying a Model for Evaluating Risks Affecting Greening Existing Buildings. Sustainability, 2021, 13, 6403.	1.6	9
24	Toward Sustainable Healthcare Facilities: An Initiative for Development of "Mostadam-HCF" Rating System in Saudi Arabia. Sustainability, 2021, 13, 6742.	1.6	7
25	Strength and Water Absorption of Sustainable Concrete Produced with Recycled Basaltic Concrete Aggregates and Powder. Sustainability, 2021, 13, 6277.	1.6	7
26	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
27	Stakeholders' Perspective on Green Building Rating Systems in Saudi Arabia: The Case of LEED, Mostadam, and the SDGs. Sustainability, 2021, 13, 8463.	1.6	10
28	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. Sustainability, 2021, 13, 9555.	1.6	14
29	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
30	An investigation of shading devices in a hot region: A case study in a school building. Ain Shams Engineering Journal, 2021, 12, 3229-3239.	3.5	20
31	Evaluation of Karst Spring Discharge Response Using Time-Scale-Based Methods for a Mediterranean Basin of Northern Algeria. Water (Switzerland), 2021, 13, 2946.	1.2	13
32	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. Applied Sciences (Switzerland), 2021, 11, 9192.	1.3	11
33	A GIS-Based Groundwater Contamination Assessment Using Modified DRASTIC Geospatial Technique. Water (Switzerland), 2021, 13, 2868.	1.2	5
34	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
35	Thermally radiated jeffery fluid flow with nanoparticles over a surface of varying thickness in the influence of heat source. Case Studies in Thermal Engineering, 2021, 28, 101549.	2.8	8
36	Effect of using heavy aggregates on the high performance concrete used in nuclear facilities. Construction and Building Materials, 2021, 310, 125111.	3.2	6

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37	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
38	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
39	Use of Underground Constructions Enhanced with Evaporative Cooling to Improve Indoor Built Environment in Hot Climate. <i>Buildings</i> , 2021, 11, 573.	1.4	4
40	THERMAL EFFECT OF LIGHTING AND WINDOW-TO-WALL RATIO IN MOSQUES: A CASE STUDY IN A HOT CLIMATE â€“ SAUDI ARABIA. <i>WIT Transactions on Ecology and the Environment</i> , 2021, , .	0.0	0
41	INVESTIGATION OF ENERGY CONSUMPTION IN RESIDENTIAL BUILDINGS IN HOT REGIONS. , 2021, , .		0
42	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
43	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
44	Can we learn from heritage buildings to achieve nearly zero energy building and thermal comfort? A case study in a hot climate. <i>Advances in Building Energy Research</i> , 2020, , 1-17.	1.1	4
45	Adjustment of the Indoor Environmental Quality Assessment Field for Taif City-Saudi Arabia. <i>Sustainability</i> , 2020, 12, 10275.	1.6	3
46	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
47	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
48	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
49	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
50	Advanced energy architectural configurations and its influence on the indoor environment in various climatic regions. <i>Cogent Engineering</i> , 2018, 5, 1469954.	1.1	0
51	Toward sustainable school building design: A case study in hot and humid climate. <i>Cogent Engineering</i> , 2018, 5, 1452665.	1.1	5
52	Investigation of school building microclimate using advanced energy equipment: Case study. <i>Environmental Engineering Research</i> , 2018, 23, 10-20.	1.5	7
53	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
54	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

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55	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