

# Wesam Salah Alaloul

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

957  
citations

394421

19  
h-index

501196

28  
g-index

54  
all docs

54  
docs citations

54  
times ranked

433  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical Properties of Silica Fume Modified High-Volume Fly Ash Rubberized Self-Compacting Concrete. Sustainability, 2021, 13, 5571.	3.2	65
2	Impact of inflation rate on construction projects budget: A review. Ain Shams Engineering Journal, 2021, 12, 407-414.	6.1	62
3	Construction Sector Contribution to Economic Stability: Malaysian GDP Distribution. Sustainability, 2021, 13, 5012.	3.2	55
4	Soil erosion susceptibility mapping using a GIS-based multi-criteria decision approach: Case of district Chitral, Pakistan. Ain Shams Engineering Journal, 2021, 12, 1637-1649.	6.1	44
5	Investigating the impact of inflation on building materials prices in construction industry. Journal of Building Engineering, 2020, 32, 101485.	3.4	41
6	Modeling and design optimization of reclaimed asphalt pavement containing crude palm oil using response surface methodology. Construction and Building Materials, 2021, 291, 123288.	7.2	38
7	Factors Affecting the Success of Construction Projects in Gaza Strip. Open Civil Engineering Journal, 2018, 12, 301-315.	0.8	38
8	An Artificial neural networks (ANN) model for evaluating construction project performance based on coordination factors. Cogent Engineering, 2018, 5, 1507657.	2.2	35
9	Structural equation modelling of construction project performance based on coordination factors. Cogent Engineering, 2020, 7, 1726069.	2.2	31
10	Systematic Review of Life Cycle Assessment and Life Cycle Cost Analysis for Pavement and a Case Study. Sustainability, 2021, 13, 4377.	3.2	31
11	The Effect of Inflation Rate on CO2 Emission: A Framework for Malaysian Construction Industry. Sustainability, 2021, 13, 1562.	3.2	30
12	A Bibliometric Analysis and Review of Building Information Modelling for Post-Disaster Reconstruction. Sustainability, 2022, 14, 393.	3.2	30
13	Life Cycle Impact Assessment of Recycled Aggregate Concrete, Geopolymer Concrete, and Recycled Aggregate-Based Geopolymer Concrete. Sustainability, 2021, 13, 13515.	3.2	30
14	Mechanical and deformation properties of rubberized engineered cementitious composite (ECC). Case Studies in Construction Materials, 2020, 13, e00385.	1.7	28
15	Artificial Neural Network (ANN) and Finite Element (FEM) Models for GFRP-Reinforced Concrete Columns under Axial Compression. Materials, 2021, 14, 7172.	2.9	28
16	A Comparison Between Seasonal Autoregressive Integrated Moving Average (SARIMA) and Exponential Smoothing (ES) Based on Time Series Model for Forecasting Road Accidents. Arabian Journal for Science and Engineering, 2021, 46, 11113-11138.	3.0	22
17	Investigating the impact of inflation on labour wages in Construction Industry of Malaysia. Ain Shams Engineering Journal, 2021, 12, 1575-1582.	6.1	22
18	Predictive Modeling Approach for Surface Water Quality: Development and Comparison of Machine Learning Models. Sustainability, 2021, 13, 7515.	3.2	21

#	ARTICLE	IF	CITATIONS
19	Utilization of Crumb Rubber and High-Volume Fly Ash in Concrete for Environmental Sustainability: RSM-Based Modeling and Optimization. <i>Materials</i> , 2021, 14, 3322.	2.9	20
20	Kabul River Flow Prediction Using Automated ARIMA Forecasting: A Machine Learning Approach. <i>Sustainability</i> , 2021, 13, 10720.	3.2	20
21	Health and safety improvement in construction projects: a lean construction approach. <i>International Journal of Occupational Safety and Ergonomics</i> , 2022, 28, 1981-1993.	1.9	19
22	Life Cycle Cost Analysis Comparison of Hot Mix Asphalt and Reclaimed Asphalt Pavement: A Case Study. <i>Sustainability</i> , 2021, 13, 4411.	3.2	18
23	Identification of critical success factors for the adoption of Industrialized Building System (IBS) in Malaysian construction industry. <i>Ain Shams Engineering Journal</i> , 2022, 13, 101547.	6.1	16
24	Utilizing of oil shale ash as a construction material: A systematic review. <i>Construction and Building Materials</i> , 2021, 299, 123844.	7.2	16
25	Chemical attack on concrete containing a high volume of crumb rubber as a partial replacement for fine aggregate in engineered cementitious composite (ECC). <i>Canadian Journal of Civil Engineering</i> , 2022, 49, 11-17.	1.3	15
26	Investigation on Hamburg Wheel-Tracking Device Stripping Performance Properties of Recycled Hot-Mix Asphalt Mixtures. <i>Materials</i> , 2020, 13, 4704.	2.9	14
27	Factors Affecting Defects Occurrence in Structural Design Stage of Residential Buildings in Gaza Strip. <i>Open Civil Engineering Journal</i> , 2019, 13, 129-139.	0.8	12
28	Assessment of Economic Sustainability in the Construction Sector: Evidence from Three Developed Countries (the USA, China, and the UK). <i>Sustainability</i> , 2022, 14, 6326.	3.2	11
29	The characteristics of coordination process in construction projects. , 2015, , .		10
30	Axial Compressive Strength Models of Eccentrically-Loaded Rectangular Reinforced Concrete Columns Confined with FRP. <i>Materials</i> , 2021, 14, 3498.	2.9	10
31	Life Cycle Cost Assessment of Offshore Wind Farm: Kudat Malaysia Case. <i>Sustainability</i> , 2021, 13, 7943.	3.2	10
32	Digital Transformation of the Construction Industry: A Review. , 2021, , .		10
33	Barriers of Occupational Safety Implementation in Infrastructure Projects: Gaza Strip Case. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3553.	2.6	9
34	Thickness Optimization of Thin-Film Tandem Organic Solar Cell. <i>Micromachines</i> , 2021, 12, 518.	2.9	8
35	Reconstruction of residential buildings post-disaster: A comparison of influencing factors. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	7
36	Reducing cooling load and lifecycle cost for residential buildings: a case of Lahore, Pakistan. <i>International Journal of Life Cycle Assessment</i> , 2021, 26, 2355-2374.	4.7	7

#	ARTICLE	IF	CITATIONS
37	Self-Healing Nano-Concrete for Futuristic Infrastructures: A Review. Arabian Journal for Science and Engineering, 2022, 47, 5365-5375.	3.0	7
38	Shape Characterizing of Aggregates Produced through Different Crushing Techniques. Coatings, 2021, 11, 1199.	2.6	6
39	Marble Dust Effect on the Air Quality: An Environmental Assessment Approach. Sustainability, 2022, 14, 3831.	3.2	6
40	Impact of the COVID-19 Pandemic on Construction Industry in Malaysia. , 2021, , .		6
41	Value Analysis in Construction Projects with BIM implementation: A Systematic Review. , 2021, , .		6
42	Materializing Low-Cost Energy-Efficient Residential Utility through Effective Space Design and Masonry Technique - A Practical Approach. Civil Engineering and Architecture, 2021, 9, 357-374.	0.4	5
43	A GIS-Based Groundwater Contamination Assessment Using Modified DRASTIC Geospatial Technique. Water (Switzerland), 2021, 13, 2868.	2.7	5
44	Total Quality Management Practices and Adoption in Construction Industry Organizations: A Review. , 2020, , .		4
45	Green Human Resource Practices on Pro-environmental behaviour of workers: Case of Pakistani construction industry. , 2021, , .		4
46	Occupational health and safety practice in infrastructure projects. International Journal of Occupational Safety and Ergonomics, 2022, 28, 2631-2644.	1.9	4
47	Evaluation of Biases in Construction Project Dispute Resolution: Case Study. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2022, 14, .	1.4	3
48	Intrinsic Workforce Diversity and Construction Worker Productivity in Pakistan: Impact of Employee Age and Industry Experience. Sustainability, 2022, 14, 232.	3.2	3
49	Efficiency of multiple hybrid techniques for the earthquake physical susceptibility mapping: the case of Abbottabad District, Pakistan. Environmental Earth Sciences, 2021, 80, 1.	2.7	2
50	Optimized Thin-Film Organic Solar Cell with Enhanced Efficiency. Sustainability, 2021, 13, 13087.	3.2	2
51	Construction Sector: IR 4.0 Applications. , 2021, , 1-50.		2
52	Automation in Traffic Engineering to Prevent Road Accidents: A Review. , 2021, , .		1