

# Muhammad Ali Musarat

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60  
papers

382  
citations

11  
h-index

16  
g-index

86  
ext. papers

827  
ext. citations

3  
avg, IF

4.74  
L-index

#	Paper	IF	Citations
60	Mechanical Properties of Silica Fume Modified High-Volume Fly Ash Rubberized Self-Compacting Concrete. <i>Sustainability</i> , <b>2021</b> , 13, 5571	3.6	24
59	Construction Sector Contribution to Economic Stability: Malaysian GDP Distribution. <i>Sustainability</i> , <b>2021</b> , 13, 5012	3.6	23
58	Investigating the impact of inflation on building materials prices in construction industry. <i>Journal of Building Engineering</i> , <b>2020</b> , 32, 101485	5.2	18
57	Structural equation modelling of construction project performance based on coordination factors. <i>Cogent Engineering</i> , <b>2020</b> , 7, 1726069	1.5	17
56	Impact of inflation rate on construction projects budget: A review. <i>Ain Shams Engineering Journal</i> , <b>2021</b> , 12, 407-414	4.4	16
55	Mechanical and deformation properties of rubberized engineered cementitious composite (ECC). <i>Case Studies in Construction Materials</i> , <b>2020</b> , 13, e00385	2.7	14
54	The Effect of Inflation Rate on CO2 Emission: A Framework for Malaysian Construction Industry. <i>Sustainability</i> , <b>2021</b> , 13, 1562	3.6	12
53	Compressive strength prediction of rice husk ash using multiphysics genetic expression programming. <i>Ain Shams Engineering Journal</i> , <b>2021</b> , 13, 101593-101593	4.4	11
52	Systematic Review of Life Cycle Assessment and Life Cycle Cost Analysis for Pavement and a Case Study. <i>Sustainability</i> , <b>2021</b> , 13, 4377	3.6	11
51	Modeling and design optimization of reclaimed asphalt pavement containing crude palm oil using response surface methodology. <i>Construction and Building Materials</i> , <b>2021</b> , 291, 123288	6.7	11
50	Soil erosion susceptibility mapping using a GIS-based multi-criteria decision approach: Case of district Chitral, Pakistan. <i>Ain Shams Engineering Journal</i> , <b>2021</b> , 12, 1637-1649	4.4	11
49	Mechanical and Thermal Properties of Interlocking Bricks Utilizing Wasted Polyethylene Terephthalate. <i>International Journal of Concrete Structures and Materials</i> , <b>2020</b> , 14,	2.8	10
48	Predicting the Ultimate Axial Capacity of Uniaxially Loaded CFST Columns Using Multiphysics Artificial Intelligence.. <i>Materials</i> , <b>2021</b> , 15,	3.5	10
47	Life Cycle Cost Analysis Comparison of Hot Mix Asphalt and Reclaimed Asphalt Pavement: A Case Study. <i>Sustainability</i> , <b>2021</b> , 13, 4411	3.6	10
46	Predictive Modeling Approach for Surface Water Quality: Development and Comparison of Machine Learning Models. <i>Sustainability</i> , <b>2021</b> , 13, 7515	3.6	10
45	Forecasting Strength of CFRP Confined Concrete Using Multi Expression Programming. <i>Materials</i> , <b>2021</b> , 14,	3.5	8
44	Investigating the impact of inflation on labour wages in Construction Industry of Malaysia. <i>Ain Shams Engineering Journal</i> , <b>2021</b> , 12, 1575-1582	4.4	8

43	Kabul River Flow Prediction Using Automated ARIMA Forecasting: A Machine Learning Approach. <i>Sustainability</i> , <b>2021</b> , 13, 10720	3.6	8
42	Evolution of close-range detection and data acquisition technologies towards automation in construction progress monitoring. <i>Journal of Building Engineering</i> , <b>2021</b> , 43, 102877	5.2	8
41	Predictive Modeling of Mechanical Properties of Silica Fume-Based Green Concrete Using Artificial Intelligence Approaches: MLPNN, ANFIS, and GEP.. <i>Materials</i> , <b>2021</b> , 14,	3.5	8
40	Modeling of Mechanical Properties of Silica Fume-Based Green Concrete Using Machine Learning Techniques.. <i>Polymers</i> , <b>2021</b> , 14,	4.5	8
39	A Bibliometric Analysis and Review of Building Information Modelling for Post-Disaster Reconstruction. <i>Sustainability</i> , <b>2022</b> , 14, 393	3.6	7
38	Artificial Neural Network (ANN) and Finite Element (FEM) Models for GFRP-Reinforced Concrete Columns under Axial Compression. <i>Materials</i> , <b>2021</b> , 14,	3.5	7
37	Chemical attack on concrete containing a high volume of crumb rubber as a partial replacement to fine aggregate in engineered cementitious composite (ECC). <i>Canadian Journal of Civil Engineering</i> ,	1.3	7
36	FE Modelling and Analysis of Beam Column Joint Using Reactive Powder Concrete. <i>Crystals</i> , <b>2021</b> , 11, 1372	2.3	6
35	Change Order Impact on Construction Industry of Pakistan. <i>Lecture Notes in Civil Engineering</i> , <b>2020</b> , 391-402	4.0	6
34	Influential Safety Performance and Assessment in Construction Projects: A Review. <i>Lecture Notes in Civil Engineering</i> , <b>2020</b> , 719-728	0.3	6
33	Life Cycle Assessment and Life Cycle Cost Analysis in Infrastructure Projects: A Systematic Review		5
32	Multigene Expression Programming Based Forecasting the Hardened Properties of Sustainable Bagasse Ash Concrete. <i>Materials</i> , <b>2021</b> , 14,	3.5	5
31	Life Cycle Impact Assessment of Recycled Aggregate Concrete, Geopolymer Concrete, and Recycled Aggregate-Based Geopolymer Concrete. <i>Sustainability</i> , <b>2021</b> , 13, 13515	3.6	5
30	Investigation on Hamburg Wheel-Tracking Device Stripping Performance Properties of Recycled Hot-Mix Asphalt Mixtures. <i>Materials</i> , <b>2020</b> , 13,	3.5	4
29	BIM Implication of Life Cycle Cost Analysis in Construction Project: A Systematic Review <b>2020</b> ,		4
28	Implications of Machine Learning Integrated Technologies for Construction Progress Detection Under Industry 4.0 (IR 4.0) <b>2020</b> ,		4
27	Productivity monitoring in building construction projects: a systematic review. <i>Engineering, Construction and Architectural Management</i> , <b>2021</b> , ahead-of-print,	3.1	4
26	Utilizing of oil shale ash as a construction material: A systematic review. <i>Construction and Building Materials</i> , <b>2021</b> , 299, 123844	6.7	4

25	Consumer Motivation by Using Unified Theory of Acceptance and Use of Technology towards Electric Vehicles. <i>Sustainability</i> , <b>2021</b> , 13, 12177	3.6	3
24	Mechanical and Microstructural Characterization of Quarry Rock Dust Incorporated Steel Fiber Reinforced Geopolymer Concrete and Residual Properties after Exposure to Elevated Temperatures. <i>Materials</i> , <b>2021</b> , 14,	3.5	3
23	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> , <b>2021</b> , 11, 9192	2.6	3
22	A Comparison Between Seasonal Autoregressive Integrated Moving Average (SARIMA) and Exponential Smoothing (ES) Based on Time Series Model for Forecasting Road Accidents. <i>Arabian Journal for Science and Engineering</i> , <b>2021</b> , 46, 11113	2.5	3
21	Axial Compressive Strength Models of Eccentrically-Loaded Rectangular Reinforced Concrete Columns Confined with FRP. <i>Materials</i> , <b>2021</b> , 14,	3.5	3
20	Life Cycle Cost Assessment of Offshore Wind Farm: Kudat Malaysia Case. <i>Sustainability</i> , <b>2021</b> , 13, 7943	3.6	3
19	Marble Dust Effect on the Air Quality: An Environmental Assessment Approach. <i>Sustainability</i> , <b>2022</b> , 14, 3831	3.6	3
18	Inflation Rate and Construction Materials Prices: Relationship Investigation <b>2020</b> ,		2
17	Axial Behavior of Concrete-Filled Double-Skin Tubular Stub Columns Incorporating PVC Pipes. <i>Crystals</i> , <b>2021</b> , 11, 1434	2.3	1
16	Assessing Rainwater Harvesting Potential in Urban Areas: A Building Information Modelling (BIM) Approach. <i>Sustainability</i> , <b>2021</b> , 13, 12583	3.6	1
15	Impact of Zero Energy Building: Sustainability Perspective <b>2020</b> ,		1
14	Are Pakistani construction professionals truly happy? A benchmarking approach. <i>Ain Shams Engineering Journal</i> , <b>2021</b> , 12, 3579-3579	4.4	1
13	Effect of Graphene Oxide on Mechanical Properties of Rubberized Concrete: A Review. <i>Lecture Notes in Civil Engineering</i> , <b>2021</b> , 484-492	0.3	1
12	Role of Inflation in Construction: A Systematic Review. <i>Lecture Notes in Civil Engineering</i> , <b>2021</b> , 701-708	0.3	1
11	Efficiency of multiple hybrid techniques for the earthquake physical susceptibility mapping: the case of Abbottabad District, Pakistan. <i>Environmental Earth Sciences</i> , <b>2021</b> , 80, 1	2.9	1
10	Delay and Cost Overrun of Palm Oil Refinery Construction Projects: Artificial Neural Network (ANN) Model. <i>Lecture Notes in Civil Engineering</i> , <b>2021</b> , 580-589	0.3	1
9	Intrinsic Workforce Diversity and Construction Worker Productivity in Pakistan: Impact of Employee Age and Industry Experience. <i>Sustainability</i> , <b>2022</b> , 14, 232	3.6	1
8	Factors impacting the implementation process of automated construction progress monitoring. <i>Ain Shams Engineering Journal</i> , <b>2022</b> , 13, 101808	4.4	1

7	Self-Healing Nano-Concrete for Futuristic Infrastructures: A Review. <i>Arabian Journal for Science and Engineering</i> ,1	2.5	○
6	Concrete filled double steel tube columns incorporating UPVC pipes under uniaxial compressive load at ambient and elevated temperature. <i>Case Studies in Construction Materials</i> , <b>2022</b> , 16, e00907	2.7	○
5	Reducing cooling load and lifecycle cost for residential buildings: a case of Lahore, Pakistan. <i>International Journal of Life Cycle Assessment</i> , <b>2021</b> , 26, 2355	4.6	○
4	A GIS-Based Groundwater Contamination Assessment Using Modified DRASTIC Geospatial Technique. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 2868	3	○
3	Impact of Elevated Temperature on Rubberized Concrete: A Review. <i>Lecture Notes in Civil Engineering</i> , <b>2021</b> , 421-427	0.3	○
2	Assessment of Economic Sustainability in the Construction Sector: Evidence from Three Developed Countries (the USA, China, and the UK). <i>Sustainability</i> , <b>2022</b> , 14, 6326	3.6	○
1	Optimized Thin-Film Organic Solar Cell with Enhanced Efficiency. <i>Sustainability</i> , <b>2021</b> , 13, 13087	3.6	