Maria Rashidi

List of Publications by Year
in descending order

49	1,170	516710	414414
49	**1,170**	**16**	**32**
papers	citations	h-index	g-index
49	**49**	**49**	**584**
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Digital twin application in the construction industry: A literature review. Journal of Building Engineering, 2021, 40, 102726.	3.4	200
2	A Decade of Modern Bridge Monitoring Using Terrestrial Laser Scanning: Review and Future Directions. Remote Sensing, 2020, 12, 3796.	4.0	94
3	Crack detection of concrete structures using deep convolutional neural networks optimized by enhanced chicken swarm algorithm. Structural Health Monitoring, 2022, 21, 2244-2263.	7.5	78
4	Quality Evaluation of Digital Twins Generated Based on UAV Photogrammetry and TLS: Bridge Case Study. Remote Sensing, 2021, 13, 3499.	4.0	66
5	Identification of Factors and Decision Analysis of the Level of Modularization in Building Construction. Journal of Architectural Engineering, 2018, 24, 04018010.	1.6	62
6	Back-Propagation Neural Network Optimized by K-Fold Cross-Validation for Prediction of Torsional Strength of Reinforced Concrete Beam. Materials, 2022, 15, 1477.	2.9	45
7	Geotechnical properties of lime-geogrid improved clayey subgrade under various moisture conditions. Road Materials and Pavement Design, 2022, 23, 2057-2075.	4.0	42
8	Remedial Modelling of Steel Bridges through Application of Analytical Hierarchy Process (AHP). Applied Sciences (Switzerland), 2017, 7, 168.	2.5	40
9	A new model for bridge management: Part A: condition assessment and priority ranking of bridges. Australian Journal of Civil Engineering, 2016, 14, 35-45.	1.6	39
10	A new model for bridge management: Part B: decision support system for remediation planning. Australian Journal of Civil Engineering, 2016, 14, 46-53.	1.6	37
11	Drivers for Digital Twin Adoption in the Construction Industry: A Systematic Literature Review. Buildings, 2022, 12, 113.	3.1	35
12	Multi-Image-Feature-Based Hierarchical Concrete Crack Identification Framework Using Optimized SVM Multi-Classifiers and Dâ€"S Fusion Algorithm for Bridge Structures. Remote Sensing, 2021, 13, 240.	4.0	33
13	Mechanical Properties of Recycled Aggregate Concretes Containing Silica Fume and Steel Fibres. Materials, 2021, 14, 7065.	2.9	31
14	Application of Artificial Intelligence to Evaluate the Fresh Properties of Self-Consolidating Concrete. Materials, 2021, 14, 4885.	2.9	29
15	A Decision Support Methodology for Remediation Planning of Concrete Bridges. Journal of Construction Engineering and Project Management, 2011, 1, 1-10.	0.6	28
16	Utilizing Artificial Intelligence to Predict the Superplasticizer Demand of Self-Consolidating Concrete Incorporating Pumice, Slag, and Fly Ash Powders. Materials, 2021, 14, 6792.	2.9	27
17	Estimating Compressive Strength of Concrete Containing Untreated Coal Waste Aggregates Using Ultrasonic Pulse Velocity. Materials, 2021, 14, 647.	2.9	26
18	Comprehensive Study of Moving Load Identification on Bridge Structures Using the Explicit Form of Newmark-β Method: Numerical and Experimental Studies. Remote Sensing, 2021, 13, 2291.	4.0	24

#	Article	IF	Citations
19	Experimental and Informational Modeling Study on Flexural Strength of Eco-Friendly Concrete Incorporating Coal Waste. Sustainability, 2021, 13, 7506.	3.2	19
20	Algorithm Development for the Non-Destructive Testing of Structural Damage. Applied Sciences (Switzerland), 2019, 9, 2810.	2.5	17
21	Numerical and analytical study of ultimate capacity of steel plate shear walls with partial plate-column connection (SPSW-PC). Structures, 2021, 33, 3066-3080.	3.6	15
22	Operational Modal Analysis, Testing and Modelling of Prefabricated Steel Modules with Different LSF Composite Walls. Materials, 2020, 13, 5816.	2.9	13
23	Multi-Objective Optimization of Three Different SMA-LRBs for Seismic Protection of a Benchmark Highway Bridge against Real and Synthetic Ground Motions. Applied Sciences (Switzerland), 2020, 10, 4076.	2.5	13
24	Bridge Abutment Movement and Approach Settlement â€" A Case Study and Scenario Analysis. International Journal of Structural Stability and Dynamics, 2018, 18, 1840011.	2.4	12
25	Text Mining Risk Assessmentâ€"Based Model to Conduct Uncertainty Analysis of the General Conditions of Contract in Housing Construction Projects: Case Study of the NSW GC21. Journal of Architectural Engineering, 2021, 27, .	1.6	12
26	Application of TLS Method in Digitization of Bridge Infrastructures: A Path to BrIM Development. Remote Sensing, 2022, 14, 1148.	4.0	12
27	A comprehensive taxonomy for structure and material deficiencies, preventions and remedies of timber bridges. Journal of Building Engineering, 2021, 34, 101624.	3.4	11
28	A Decision Support System for Concrete Bridge Maintenance. AIP Conference Proceedings, 2010, , .	0.4	10
29	Towards Eco-Flowable Concrete Production. Sustainability, 2020, 12, 1208.	3.2	10
30	Decision Support Systems. , 2018, , .		9
31	A Risk Analysisâ€"Best Worst Method Based Model for Selection of the Most Appropriate Contract Strategy for Onshore Drilling Projects in the Iranian Petroleum Industry. Buildings, 2021, 11, 97.	3.1	9
32	An Integrated Organizational System for Project Source Selection in the Major Iranian Construction Companies. Buildings, 2020, 10, 251.	3.1	9
33	Applicability-Compatibility Analysis of PMBOK Seventh Edition from the Perspective of the Construction Industry Distinctive Peculiarities. Buildings, 2022, 12, 210.	3.1	9
34	Quality Management Framework for Housing Construction in a Design-Build Project Delivery System: A BIM-UAV Approach. Buildings, 2022, 12, 554.	3.1	8
35	Multihybrid Dispute Resolution Framework for Projects of Downstream Sector of Petroleum Industry. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2021, 13, .	1.4	7
36	Smart coating in protective clothing for firefighters: An overview and recent improvements. Journal of Industrial Textiles, 2022, 51, 7428S-7454S.	2.4	7

#	Article	IF	Citations
37	Seismic Assessment of a Benchmark Highway Bridge Equipped with Optimized Shape Memory Alloy Wire-Based Isolators. Applied Sciences (Switzerland), 2020, 10, 141.	2.5	5
38	A Novel Slip Sensory System for Interfacial Condition Monitoring of Steel-Concrete Composite Bridges. Remote Sensing, 2021, 13, 3377.	4.0	5
39	Simultaneous Identification of Bridge Structural Damage and Moving Loads Using the Explicit Form of Newmark-β Method: Numerical and Experimental Studies. Remote Sensing, 2022, 14, 119.	4.0	5
40	Structural performance of self-compacting concrete. , 2020, , 371-387.		4
41	A Bid/Mark-Up Decision Support Model in Contractor's Tender Strategy Development Phase Based on Project Complexity Measurement in the Downstream Sector of Petroleum Industry. Journal of Open Innovation: Technology, Market, and Complexity, 2022, 8, 33.	5.2	4
42	Numerical Analysis of Axial Cyclic Behavior of FRP Retrofitted CHS Joints. Materials, 2021, 14, 648.	2.9	3
43	Seismic Performance and Ice-Induced Vibration Control of Offshore Platform Structures Based on the ISO-PFD-SMA Brace System. Advances in Materials Science and Engineering, 2017, 2017, 1-15.	1.8	2
44	Evaluation of the Performance of a Composite Profile at Elevated Temperatures Using Finite Element and Hybrid Artificial Intelligence Techniques. Materials, 2022, 15, 1402.	2.9	2
45	Optimum spanning for rectangular floor systems – part 2: an algorithm and practical applications. Australian Journal of Civil Engineering, 2016, 14, 106-113.	1.6	1
46	Structural System Identification of Elevated Steel Water Tank Using Ambient Vibration Test and Calibration of Numerical Model. International Journal of Structural Stability and Dynamics, 2020, 20, 2071010.	2.4	1
47	Optimum spanning for rectangular floor systems – part 1: a unified combinatorial approach. Australian Journal of Civil Engineering, 2016, 14, 97-105.	1.6	0
48	Buckling Behavior of Non-Retrofitted and FRP-Retrofitted Steel CHS T-Joints. Applied Sciences (Switzerland), 2021, 11, 3098.	2.5	0
49	Review of the Most Common Repair Techniques for Reinforced Concrete Structures in Coastal Areas. , 2018, , .		0