Mohammad Mojtahedi

List of Publications by Year
in descending order

52	1,660	257450	302126
papers	citations	24	39
		h-index	g-index

52	52	52	1241
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Construction and demolition waste management contributing factors coupled with reduce, reuse, and recycle strategies for effective waste management: A review. Journal of Cleaner Production, 2020, 263, 121265.	9.3	254
2	Critical attributes for proactive engagement of stakeholders in disaster risk management. International Journal of Disaster Risk Reduction, 2017, 21, 35-43.	3.9	93
3	Project risk identification and assessment simultaneously using multi-attribute group decision making technique. Safety Science, 2010, 48, 499-507.	4.9	88
4	Sustainable vehicle routing problem for coordinated solid waste management. Journal of Industrial Information Integration, 2021, 23, 100220.	6.4	59
5	Analyzing Vietnam's national disaster loss database for flood risk assessment using multiple linear regression-TOPSIS. International Journal of Disaster Risk Reduction, 2019, 40, 101153.	3.9	58
6	Disruptive technologies as a solution for disaster risk management: A review. Science of the Total Environment, 2022, 806, 151351.	8.0	55
7	Evaluation of ship's green degree using a novel hybrid approach combining group fuzzy entropy and cloud technique for the order of preference by similarity to the ideal solution theory. Clean Technologies and Environmental Policy, 2020, 22, 493-512.	4.1	52
8	The impact of Engineering, Procurement and Construction (EPC) Phases on Project Performance: A Case of Large-scale Residential Construction Project. Buildings, 2019, 9, 15.	3.1	51
9	Delay Causes and Emerging Digital Tools: A Novel Model of Delay Analysis, Including Integrated Project Delivery and PMBOK. Buildings, 2019, 9, 191.	3.1	50
10	Hospital evacuation modelling: A critical literature review on current knowledge and research gaps. International Journal of Disaster Risk Reduction, 2021, 66, 102627.	3.9	47
11	Effective construction and demolition waste management assessment through waste management hierarchy; a case of Australian large construction companies. Journal of Cleaner Production, 2021, 312, 127790.	9.3	46
12	Capacity planning and reconfiguration for disaster-resilient health infrastructure. Journal of Building Engineering, 2019, 26, 100853.	3.4	44
13	A conceptual foundation for effective construction and demolition waste management. Cleaner Engineering and Technology, 2020, 1, 100019.	4.0	41
14	A Systematic Review of Construction and Demolition Waste Management in Australia: Current Practices and Challenges. Recycling, 2021, 6, 34.	5.0	40
15	UAVs in Disaster Management: Application of Integrated Aerial Imagery and Convolutional Neural Network for Flood Detection. Sustainability, 2021, 13, 7547.	3.2	40
16	Risk assessment for highway projects using jackknife technique. Expert Systems With Applications, 2011, 38, 5514-5524.	7.6	39
17	The impact of stakeholder attributes on performance of disaster recovery projects: The case of transport infrastructure. International Journal of Project Management, 2017, 35, 841-852.	5.6	38
18	Production scheduling of off-site prefabricated construction components considering sequence dependent due dates. Environmental Science and Pollution Research, 2021, , 1.	5.3	38

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19	Enhancing evacuation response to extreme weather disasters using public transportation systems: a novel simheuristic approach. Journal of Computational Design and Engineering, 2020, 7, 195-210.	3.1	37
20	Managing smart cities through six sigma DMADICV method: A review-based conceptual framework. Sustainable Cities and Society, 2021, 72, 103022.	10.4	37
21	Predicting the resilience of transport infrastructure to a natural disaster using Cox's proportional hazards regression model. Natural Hazards, 2017, 85, 1119-1133.	3.4	36
22	A modelling framework to design an evacuation support system for healthcare infrastructures in response to major flood events. Progress in Disaster Science, 2022, 13, 100218.	2.7	33
23	Bootstrap Technique for Risk Analysis with Interval Numbers in Bridge Construction Projects. Journal of Construction Engineering and Management - ASCE, 2011, 137, 600-608.	3.8	30
24	Evaluating large, high-technology project portfolios using a novel interval-valued Pythagorean fuzzy set framework: An automated crane project case study. Expert Systems With Applications, 2020, 162, 113007.	7.6	28
25	Industry 4.0, Disaster Risk Management and Infrastructure Resilience: A Systematic Review and Bibliometric Analysis. Buildings, 2021, 11, 411.	3.1	28
26	A novel approach based on non-parametric resampling with interval analysis for large engineering project risks. Safety Science, 2011, 49, 1340-1348.	4.9	27
27	PROJECT PORTFOLIO SELECTION PROBLEMS: A REVIEW OF MODELS, UNCERTAINTY APPROACHES, SOLUTION TECHNIQUES, AND CASE STUDIES. Technological and Economic Development of Economy, 2019, 25, 1380-1412.	4.6	27
28	Flipped Classroom Model for Enhancing Student Learning in Construction Education. Journal of Civil Engineering Education, 2020, 146, .	1.4	26
29	A Conceptual Model for a Safety-Based Theory of Lean Construction. Buildings, 2019, 9, 23.	3.1	19
30	The Integration of Lean and Resilience Paradigms: A Systematic Review Identifying Current and Future Research Directions. Sustainability, 2021, 13, 8893.	3.2	19
31	The impact on neighbourhood residential property valuations of a newly proposed public transport project: The Sydney Northwest Metro case study. Transportation Research Interdisciplinary Perspectives, 2019, 3, 100070.	2.7	18
32	The Alignment of Australia's National Construction Code and the Sendai Framework for Disaster Risk Reduction in Achieving Resilient Buildings and Communities. Buildings, 2021, 11, 429.	3.1	18
33	An integrated decision model for managing hospital evacuation in response to an extreme flood event: A case study of the Hawkesbury‐Nepean River, NSW, Australia. Safety Science, 2022, 155, 105867.	4.9	17
34	Barriers to achieving sustainable construction project procurement in the private sector. Cleaner Engineering and Technology, 2021, 3, 100125.	4.0	16
35	Coastal buildings and infrastructure flood risk analysis using multi‐attribute decision‐making. Journal of Flood Risk Management, 2016, 9, 87-96.	3.3	15
36	An Investigation on Virtual Information Modeling Acceptance Based on Project Management Knowledge Areas. Buildings, 2018, 8, 80.	3.1	13

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37	Developing Hospital Emergency and Disaster Management Index Using TOPSIS Method. Sustainability, 2021, 13, 5213.	3.2	13
38	Influence of Organisational Culture on Total Quality Management Implementation in the Australian Construction Industry. Buildings, 2022, 12, 496.	3.1	12
39	Introducing a multi-criteria evaluation method using Pythagorean fuzzy sets. Kybernetes, 2021, 50, 118-146.	2.2	11
40	An AI/ML-Based Strategy for Disaster Response and Evacuation of Victims in Aged Care Facilities in the Hawkesbury-Nepean Valley: A Perspective. Buildings, 2022, 12, 80.	3.1	11
41	Analysis of the susceptibility of interdependent infrastructures using fuzzy input–output inoperability model: the case of flood hazards in Tehran. Natural Hazards, 2020, 100, 69-88.	3.4	7
42	A Conceptual Framework for Implementing Lean Construction in Infrastructure Recovery Projects. Buildings, 2022, 12, 272.	3.1	7
43	Project management offices in the construction industry: a literature review and qualitative synthesis of success variables. Construction Management and Economics, 2021, 39, 493-512.	3.0	6
44	A Safety Warning Algorithm Based on Axis Aligned Bounding Box Method to Prevent Onsite Accidents of Mobile Construction Machineries. Sensors, 2021, 21, 7075.	3.8	5
45	Disaster risk management approaches in construction and built environment. International Journal of Disaster Resilience in the Built Environment, 2019, 11, 85-99.	1.2	3
46	The contribution of project management offices to addressing complexities in principal construction contracting. Engineering, Construction and Architectural Management, 2021, ahead-of-print, .	3.1	3
47	Built Infrastructure Conditions Mediate the Relationship between Stakeholders Attributes and Flood Damage: An Empirical Case Study. Sustainability, 2021, 13, 9739.	3.2	2
48	An Additive Statistical Modeling Approach to the Analysis of Transport Infrastructure Flood Risk-Based Resilience. , 2017, , .		1
49	The Design Requirements of a Decision Support System for Waste Control. Advances in Intelligent Systems and Computing, 2021, , 444-453.	0.6	1
50	Comparative Analysis of PMO Functions between the Public and Private Sectors: Survey of High-Performing Construction Organizations. Journal of Construction Engineering and Management - ASCE, 2021, 147, 04021151.	3.8	1
51	Effective Application of Information Technology Tools for Real-Time Project Management. Lecture Notes in Networks and Systems, 2021, , 719-729.	0.7	0
52	A framework for conceptualising the organisational communications of a project management office. International Journal of Project Organisation and Management, 2021, 13, 60.	0.1	0