

# Hosein Taghaddos

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

837  
citations

516710

16  
h-index

501196

28  
g-index

35  
all docs

35  
docs citations

35  
times ranked

482  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of long-term chloride diffusion in silica fume concrete in a marine environment. Cement and Concrete Composites, 2015, 59, 10-17.	10.7	154
2	Simulation-Based Multiagent Approach for Scheduling Modular Construction. Journal of Computing in Civil Engineering, 2014, 28, 263-274.	4.7	76
3	A methodology for mobile crane lift path checking in heavy industrial projects. Automation in Construction, 2013, 31, 41-53.	9.8	71
4	Automated Crane Planning and Optimization for modular construction. Automation in Construction, 2018, 95, 219-232.	9.8	60
5	Automated Method for Checking Crane Paths for Heavy Lifts in Industrial Projects. Journal of Construction Engineering and Management - ASCE, 2013, 139, 04013011.	3.8	42
6	BIM-based 4D mobile crane simulation and onsite operation management. Automation in Construction, 2021, 128, 103766.	9.8	40
7	Evaluating Mobile Crane Lift Operations Using an Interactive Virtual Reality System. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	3.8	33
8	Algorithm for Mobile Crane Walking Path Planning in Congested Industrial Plants. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	3.8	32
9	Heavy mobile crane lift path planning in congested modular industrial plants using a robotics approach. Automation in Construction, 2021, 122, 103508.	9.8	30
10	From AutoCAD to 3ds Max: An automated approach for animating heavy lifting studies. Canadian Journal of Civil Engineering, 2015, 42, 190-198.	1.3	26
11	Integrating discrete event simulation and genetic algorithm optimization for bridge maintenance planning. Automation in Construction, 2021, 122, 103513.	9.8	26
12	An A-Star algorithm for semi-optimization of crane location and configuration in modular construction. Automation in Construction, 2021, 121, 103447.	9.8	24
13	Evaluating industrial modularization strategies: Local vs. overseas fabrication. Automation in Construction, 2020, 114, 103175.	9.8	22
14	The influence of craft workers' educational attainment and experience level in fatal injuries prevention in construction projects. Safety Science, 2019, 117, 417-427.	4.9	21
15	Integrated BIM-based simulation for automated time-space conflict management in construction projects. Automation in Construction, 2021, 132, 103957.	9.8	20
16	An Integrated Framework for Operation and Maintenance of Gas Utility Pipeline Using BIM, GIS, and AR. Journal of Performance of Constructed Facilities, 2022, 36, .	2.0	19
17	Hybrid multi-mode simulation and optimization for subarea scheduling in heavy industrial construction. Automation in Construction, 2021, 125, 103616.	9.8	15
18	Optimized Mobile Crane Path Planning in Discretized Polar Space. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	3.8	14

#	ARTICLE	IF	CITATIONS
19	Multi crane lift simulation using Building Information Modeling. Automation in Construction, 2020, 118, 103305.	9.8	13
20	BIM-augmented reality integrated approach to risk management. Automation in Construction, 2022, 141, 104458.	9.8	13
21	Construction Equipment Collision-Free Path Planning Using Robotic Approach. , 2018, , .		12
22	A simulation-based method for effective workforce planning of industrial construction projects. Construction Management and Economics, 2018, 36, 328-347.	3.0	11
23	Impact of Age on the Strength of Experience and Education Role in Fatal Injuries Prevention in Iranian Construction Craft Workers. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	3.8	11
24	BIM-Based Maintenance Management System for Healthcare Facilities. Journal of Performance of Constructed Facilities, 2021, 35, .	2.0	11
25	Optimizing Heavy Lift Plans for Industrial Construction Sites Using Dijkstra's Algorithm. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	3.8	11
26	Simulation-Based Scheduling of Modular Construction Using Multi-agent Resource Allocation. , 2010, , .		8
27	Automation of Construction Quantity Take-Off: Using Building Information Modeling (BIM). , 2016, , .		6
28	Developing complex distributed simulation for industrial plant construction using High Level Architecture. , 2010, , .		5
29	Distributed agent-based simulation of construction projects with HLA. , 2008, , .		3
30	Forecasting schedule reliability using the reliability of agents' promises. Asian Journal of Civil Engineering, 2018, 19, 949-962.	1.6	3
31	Chloride Diffusion Modeling in Pozzolanic Concrete in a Marine Site. ACI Materials Journal, 2018, 115, .	0.2	2
32	Developing a Smart Controller Model Using GPS Coordinates. , 2016, , .		1
33	Influence of Repair on Corrosion-Failure Modes of Square-RC Columns Located in Tidal Zone. Journal of Performance of Constructed Facilities, 2020, 34, 04020048.	2.0	1
34	Enhanced Resource Scheduling Framework For Industrial Construction Projects. , 2021, , .		0