List of Publications by Year in descending order

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FADOOK P. HAMZEH

#	Article	IF	CITATIONS
1	Using social network theory and simulation to compare traditional versus BIM–lean practice for design error management. Automation in Construction, 2015, 52, 59-69.	9.8	95
2	Exploring associations between resilience and construction safety performance in safety networks. Safety Science, 2016, 82, 338-351.	4.9	57
3	3D Concrete Printing. , 2019, , 115-136.		47
4	How can â€~tasks made ready' during lookahead planning impact reliable workflow and project duration?. Construction Management and Economics, 2015, 33, 243-258.	3.0	42
5	Simulating the dynamics of social agents and information flows in BIM-based design. Automation in Construction, 2018, 92, 1-22.	9.8	38
6	Understanding the role of "tasks anticipated―in lookahead planning through simulation. Automation in Construction, 2015, 49, 18-26.	9.8	37
7	A vision-based approach for automatic progress tracking of floor paneling in offsite construction facilities. Automation in Construction, 2021, 125, 103620.	9.8	37
8	Near-Real-Time Optimization of Overlapping Tower Crane Operations: A Model and Case Study. Journal of Computing in Civil Engineering, 2017, 31, .	4.7	36
9	Advanced Metrics for Construction Planning. Journal of Construction Engineering and Management - ASCE, 2019, 145, .	3.8	29
10	Crane overlap and operational flexibility: balancing utilization, duration, and safety. Construction Innovation, 2018, 18, 43-63.	2.7	27
11	Application of hands-on simulation games to improve classroom experience. European Journal of Engineering Education, 2017, 42, 471-481.	2.3	25
12	Integrated project delivery as an enabler for collaboration: a Middle East perspective. Built Environment Project and Asset Management, 2019, 9, 334-347.	1.6	24
13	Agent based modeling to optimize workflow of robotic steel and concrete 3D printers. Automation in Construction, 2020, 110, 103040.	9.8	24
14	Thixotropy and interfacial bond strengths of polymer-modified printed mortars. Materials and Structures/Materiaux Et Constructions, 2019, 52, 1.	3.1	21
15	A BIM-lean framework for digitalisation of premanufacturing phases in offsite construction. Engineering, Construction and Architectural Management, 2021, 28, 2155-2175.	3.1	21
16	Modular concrete construction. Engineering, Construction and Architectural Management, 2017, 24, 935-949.	3.1	14
17	Understanding the planner's role in lookahead construction planning. Production Planning and Control, 2019, 30, 271-284.	8.8	14
18	Impact of Activity Sequencing on Reducing Variability. Journal of Construction Engineering and Management - ASCE, 2019, 145, .	3.8	14

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19	Developing new metrics to evaluate the performance of capacity planning towards sustainable construction. Journal of Cleaner Production, 2019, 225, 868-882.	9.3	13
20	Qualitative assessment of interfacial bonding in 3D printing concrete exposed to frost attack. Case Studies in Construction Materials, 2020, 13, e00357.	1.7	13
21	A Modular Approach for Steel Reinforcing of 3D Printed Concrete—Preliminary Study. Sustainability, 2020, 12, 4062.	3.2	12
22	A New Perspective of Construction Logistics and Production Control: An Exploratory Study. , 0, , .		11
23	Investigating the Practice of Improvisation in Construction. Journal of Management in Engineering - ASCE, 2018, 34, .	4.8	10
24	Last Planner System $\hat{a} \in $ the Need for New Metrics. , 0, , .		10
25	Understanding improvisation in construction through antecedents, behaviours and consequences. Construction Management and Economics, 2019, 37, 61-71.	3.0	9
26	Analyzing Design Workflow: An Agent-based Modeling Approach. Procedia Engineering, 2016, 164, 510-517.	1.2	7
27	The traveling salesman puts-on a hard hat – Tower crane scheduling in construction projects. European Journal of Operational Research, 2021, 292, 327-338.	5.7	7
28	IPD-inspired framework for measuring stakeholder integration in public-private partnerships. Construction Innovation, 2022, 22, 160-184.	2.7	7
29	Analysis of Visual Management Practices for Construction Safety. , 0, , .		7
30	Removing Constraints to Make Tasks Ready in Weekly Work Planning. Procedia Engineering, 2016, 164, 68-74.	1.2	6
31	Accounting for Variability: Identifying Critical Activities as a Supplement to the Critical Path. Journal of Construction Engineering and Management - ASCE, 2022, 148, .	3.8	6
32	Sensor-Based Planning Tool for Tower Crane Anti-Collision Monitoring on Construction Sites. , 2016, , .		5
33	Considerations for Filing Global Construction Claims: Legal Perspective. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2020, 12, .	1.4	5
34	3d Concrete Printing in the Service of Lean Construction , 0, , .		5
35	Implementation of Integrated Project Delivery in Lebanon: Overcoming the Challenges. , 0, , .		5

#	Article	IF	CITATIONS
37	A Framework for Understanding the Dynamic Nature of Value in Design and Construction. , 0, , .		4
38	Lean Principles for the Management of Construction Submittals and RFIs. Journal of Professional Issues in Engineering Education and Practice, 2016, 142, 05016004.	0.9	3
39	A Lean E-Governance Approach to Mitigate Corruption Within Official Processes in the Construction Industry. , 0, , .		3
40	Studying the Mindset of Corruption in the Construction Industry - A Lean Perspective. , 0, , .		3
41	Early Warning Dashboard for Advanced Construction Planning Metrics. , 2020, , .		2
42	Lean Methods to Improve End User Satisfaction in Higher Education Buildings. , 0, , .		2
43	SyncLean: An Application for Improved Lean Construction Practice. , 0, , .		2
44	Forecasting Construction Project Performance with Momentum Using Singularity Functions in LPS. Journal of Construction Engineering and Management - ASCE, 2022, 148, .	3.8	2
45	Using Forums and Simulation Exercises to Enhance Active Learning in Lean Construction Education. , 2016, , 139-159.		1
46	A visual dashboard to monitor BIM model dynamics. Canadian Journal of Civil Engineering, 2020, 47, 178-185.	1.3	1
47	A Lean Perspective of Stakeholder Integration in Public Private Partnerships. , 0, , .		1
48	Optimizing 3D printing path to minimize the formation of weak bonds. , 2018, , .		1
49	Optimizing Material-Related Costs Using Dynamic Site Layout and Supply Chain Planning. , 0, , .		1
50	Advanced Last Planner $\hat{A}^{ extsf{@}}$ System (LPS) metrics for construction planning and control. , 2020, , 458-479.		1
51	Perspectives of Contractors and Insurance Companies on Construction Safety Practices: Case of a Middle Eastern Developing Country. , 2020, , .		1
52	Planning BIM-Based Design Projects: A Product-Process Framework. , 2020, , .		1
53	Machine Learning Framework to Predict Last Planner System Performance Metrics. , 2022, , .		1
54	Using simulation to study the impact of improving Lookahead planning on the reliability of production planning. , 2011, , .		0

#	Article	IF	CITATIONS
55	Employing Simulation to Study the Role of Design Structure Matrix in Reducing Waste in Design. , 0, , .		Ο
56	Singularity Functions to Enhance Monitoring in the Last Planner System. , 0, , .		0
57	Evaluating the Lean-Enabling Competencies of Clients. , 0, , .		Ο
58	An AHP Approach for Selecting and Identifying Off-Site Construction Systems. , 0, , .		0
59	Comparing Lean Management Principles and Evolutionary Design in Nature. , 0, , .		Ο
60	A Sensor-Based Empirical Framework to Measure Construction Labor Productivity. , 2022, , .		0
61	A Goal-Oriented Framework for Implementing Change in Off-Site Construction in the Industry 4.0 Era. , 2022, , .		Ο
62	Developing a Value Dashboard for Tracking Value Alignment during Design. , 2022, , .		0
63	Understanding Stakeholders' impact on design workflow dynamics using agent-based modeling. Automation in Construction, 2022, 138, 104254.	9.8	Ο