

Farook R Hamzeh

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

774
citations

623188

14
h-index

610482

24
g-index

63
all docs

63
docs citations

63
times ranked

587
citing authors

#	ARTICLE	IF	CITATIONS
1	Using social network theory and simulation to compare traditional versus BIM-lean practice for design error management. <i>Automation in Construction</i> , 2015, 52, 59-69.	4.8	95
2	Exploring associations between resilience and construction safety performance in safety networks. <i>Safety Science</i> , 2016, 82, 338-351.	2.6	57
3	3D Concrete Printing. , 2019, , 115-136.		47
4	How can "tasks made ready"™ during lookahead planning impact reliable workflow and project duration?. <i>Construction Management and Economics</i> , 2015, 33, 243-258.	1.8	42
5	Simulating the dynamics of social agents and information flows in BIM-based design. <i>Automation in Construction</i> , 2018, 92, 1-22.	4.8	38
6	Understanding the role of "tasks anticipated"™ in lookahead planning through simulation. <i>Automation in Construction</i> , 2015, 49, 18-26.	4.8	37
7	A vision-based approach for automatic progress tracking of floor paneling in offsite construction facilities. <i>Automation in Construction</i> , 2021, 125, 103620.	4.8	37
8	Near-Real-Time Optimization of Overlapping Tower Crane Operations: A Model and Case Study. <i>Journal of Computing in Civil Engineering</i> , 2017, 31, .	2.5	36
9	Advanced Metrics for Construction Planning. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019, 145, .	2.0	29
10	Crane overlap and operational flexibility: balancing utilization, duration, and safety. <i>Construction Innovation</i> , 2018, 18, 43-63.	1.5	27
11	Application of hands-on simulation games to improve classroom experience. <i>European Journal of Engineering Education</i> , 2017, 42, 471-481.	1.5	25
12	Integrated project delivery as an enabler for collaboration: a Middle East perspective. <i>Built Environment Project and Asset Management</i> , 2019, 9, 334-347.	0.9	24
13	Agent based modeling to optimize workflow of robotic steel and concrete 3D printers. <i>Automation in Construction</i> , 2020, 110, 103040.	4.8	24
14	Thixotropy and interfacial bond strengths of polymer-modified printed mortars. <i>Materials and Structures/Materiaux Et Constructions</i> , 2019, 52, 1.	1.3	21
15	A BIM-lean framework for digitalisation of premanufacturing phases in offsite construction. <i>Engineering, Construction and Architectural Management</i> , 2021, 28, 2155-2175.	1.8	21
16	Modular concrete construction. <i>Engineering, Construction and Architectural Management</i> , 2017, 24, 935-949.	1.8	14
17	Understanding the planner's™ role in lookahead construction planning. <i>Production Planning and Control</i> , 2019, 30, 271-284.	5.8	14
18	Impact of Activity Sequencing on Reducing Variability. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019, 145, .	2.0	14

#	ARTICLE	IF	CITATIONS
19	Developing new metrics to evaluate the performance of capacity planning towards sustainable construction. <i>Journal of Cleaner Production</i> , 2019, 225, 868-882.	4.6	13
20	Qualitative assessment of interfacial bonding in 3D printing concrete exposed to frost attack. <i>Case Studies in Construction Materials</i> , 2020, 13, e00357.	0.8	13
21	A Modular Approach for Steel Reinforcing of 3D Printed Concrete – Preliminary Study. <i>Sustainability</i> , 2020, 12, 4062.	1.6	12
22	A New Perspective of Construction Logistics and Production Control: An Exploratory Study. , 0, , .		11
23	Investigating the Practice of Improvisation in Construction. <i>Journal of Management in Engineering - ASCE</i> , 2018, 34, .	2.6	10
24	Last Planner System – the Need for New Metrics. , 0, , .		10
25	Understanding improvisation in construction through antecedents, behaviours and consequences. <i>Construction Management and Economics</i> , 2019, 37, 61-71.	1.8	9
26	Analyzing Design Workflow: An Agent-based Modeling Approach. <i>Procedia Engineering</i> , 2016, 164, 510-517.	1.2	7
27	The traveling salesman puts-on a hard hat – Tower crane scheduling in construction projects. <i>European Journal of Operational Research</i> , 2021, 292, 327-338.	3.5	7
28	IPD-inspired framework for measuring stakeholder integration in public-private partnerships. <i>Construction Innovation</i> , 2022, 22, 160-184.	1.5	7
29	Analysis of Visual Management Practices for Construction Safety. , 0, , .		7
30	Removing Constraints to Make Tasks Ready in Weekly Work Planning. <i>Procedia Engineering</i> , 2016, 164, 68-74.	1.2	6
31	Accounting for Variability: Identifying Critical Activities as a Supplement to the Critical Path. <i>Journal of Construction Engineering and Management - ASCE</i> , 2022, 148, .	2.0	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. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2020, 12, .	0.9	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
36	Introducing New Capacity Planning Metrics in Production Planning. , 0, , .		4

#	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, .	2.0	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.	0.7	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® 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, , .		0
56	Singularity Functions to Enhance Monitoring in the Last Planner System. , 0, , .		0
57	Evaluating the Lean-Enabling Competencies of Clients. , 0, , .		0
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, , .		0
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, , .		0
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.	4.8	0