

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59 papers	2,237 citations	24 h-index	47 g-index
66 ext. papers	2,959 ext. citations	4.7 avg, IF	5.72 L-index

#	Paper	IF	Citations
59	A critical review of the use of 3-D printing in the construction industry. <i>Automation in Construction</i> , <b>2016</b> , 68, 21-31	9.6	382
58	A Critical Review of the Use of Virtual Reality in Construction Engineering Education and Training. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	194
57	The outlook of blockchain technology for construction engineering management. <i>Frontiers of Engineering Management</i> , <b>2017</b> , 4, 67	2.7	156
56	Cost analysis for sustainable off-site construction based on a multiple-case study in China. <i>Habitat International</i> , <b>2016</b> , 57, 215-222	4.6	106
55	Engagement of Facilities Management in Design Stage through BIM: Framework and a Case Study. <i>Advances in Civil Engineering</i> , <b>2013</b> , 2013, 1-8	1.3	83
54	Estimating the environmental costs and benefits of demolition waste using life cycle assessment and willingness-to-pay: A case study in Shenzhen. <i>Journal of Cleaner Production</i> , <b>2018</b> , 172, 14-26	10.3	74
53	Comparative Analysis on the Adoption and Use of BIM in Road Infrastructure Projects. <i>Journal of Management in Engineering - ASCE</i> , <b>2016</b> , 32, 05016021	5.3	72
52	Computer Vision Techniques in Construction: A Critical Review. <i>Archives of Computational Methods in Engineering</i> , <b>2021</b> , 28, 3383-3397	7.8	72
51	Development of an early-warning system for site work in hot and humid environments: A case study. <i>Automation in Construction</i> , <b>2016</b> , 62, 101-113	9.6	71
50	A BIM-based approach for automated tower crane layout planning. <i>Automation in Construction</i> , <b>2015</b> , 59, 168-178	9.6	70
49	A Comparative Review of Building Information Modelling Implementation in Building and Infrastructure Industries. <i>Archives of Computational Methods in Engineering</i> , <b>2015</b> , 22, 291-308	7.8	68
48	A Critical Review of the Integration of Geographic Information System and Building Information Modelling at the Data Level. <i>ISPRS International Journal of Geo-Information</i> , <b>2018</b> , 7, 66	2.9	68
47	A BIM-based approach for predicting corrosion under insulation. <i>Automation in Construction</i> , <b>2019</b> , 107, 102923	9.6	63
46	A decade review of the credits obtained by LEED v2.2 certified green building projects. <i>Building and Environment</i> , <b>2016</b> , 102, 167-178	6.5	62
45	Integrating BIM and LiDAR for Real-Time Construction Quality Control. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2015</b> , 79, 417-432	2.9	61
44	How affordable housing becomes more sustainable? A stakeholder study. <i>Journal of Cleaner Production</i> , <b>2017</b> , 162, 427-437	10.3	56
43	A linked data system framework for sharing construction defect information using ontologies and BIM environments. <i>Automation in Construction</i> , <b>2016</b> , 68, 102-113	9.6	53

42	A cross-sector review on the use of value stream mapping. <i>International Journal of Production Research</i> , <b>2017</b> , 55, 3906-3928	7.8	50
41	Building information modeling-based integration of MEP layout designs and constructability. <i>Automation in Construction</i> , <b>2016</b> , 61, 134-146	9.6	46
40	Integrating BIM and augmented reality for interactive architectural visualisation. <i>Construction Innovation</i> , <b>2014</b> , 14, 453-476	4.1	42
39	Ontological knowledge base for concrete bridge rehabilitation project management. <i>Automation in Construction</i> , <b>2021</b> , 121, 103428	9.6	39
38	Deconstruction waste management through 3d reconstruction and bim: a case study. <i>Visualization in Engineering</i> , <b>2017</b> , 5,	3	32
37	Constraints Hindering the Development of High-Rise Modular Buildings. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 7159	2.6	26
36	A Project-Based Quantification of BIM Benefits. <i>International Journal of Advanced Robotic Systems</i> , <b>2014</b> , 11, 123	1.4	25
35	Defining a conceptual framework for the integration of modelling and advanced imaging for improving the reliability and efficiency of bridge assessments. <i>Journal of Civil Structural Health Monitoring</i> , <b>2016</b> , 6, 703-714	2.9	22
34	Developing and evaluating a framework of total constraint management for improving workflow in liquefied natural gas construction. <i>Construction Management and Economics</i> , <b>2016</b> , 34, 859-874	3	21
33	Lean management framework for improving maintenance operation: development and application in the oil and gas industry. <i>Production Planning and Control</i> , <b>2021</b> , 32, 585-602	4.3	20
32	Regional Variations of Credits Obtained by LEED 2009 Certified Green BuildingsA Country Level Analysis. <i>Sustainability</i> , <b>2018</b> , 10, 20	3.6	18
31	Structural Equation Modeling to Analyze the Critical Driving Factors and Paths for Off-site Construction in China. <i>KSCE Journal of Civil Engineering</i> , <b>2018</b> , 22, 2678-2690	1.9	16
30	Construction Payment Automation through Smart Contract-based Blockchain Framework <b>2019</b> ,		16
29	Value adding and non-value adding activities in turnaround maintenance process: classification, validation, and benefits. <i>Production Planning and Control</i> , <b>2020</b> , 31, 60-77	4.3	16
28	A review of integrated applications of BIM and related technologies in whole building life cycle. <i>Engineering, Construction and Architectural Management</i> , <b>2020</b> , 27, 1647-1677	3.1	15
27	Benefits of Building Information Modelling in the Project Lifecycle: Construction Projects in Asia. <i>International Journal of Advanced Robotic Systems</i> , <b>2014</b> , 11, 124	1.4	11
26	A Conceptual Framework of Quality-Assured Fabrication, Delivery and Installation Processes for Liquefied Natural Gas (LNG) Plant Construction. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2015</b> , 79, 433-448	2.9	9
25	Data-Driven Fire Safety Management at Building Construction Sites: Leveraging CNN. <i>Journal of Management in Engineering - ASCE</i> , <b>2021</b> , 37, 04020108	5.3	9

24	Integration of BIM and Lean Concepts to Improve Maintenance Efficiency: A Case Study <b>2014</b> ,		8
23	Improving Quality and Performance of Facility Management Using Building Information Modelling. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 44-50	0.9	8
22	Hybrid deep learning model for automating constraint modelling in advanced working packaging. <i>Automation in Construction</i> , <b>2021</b> , 127, 103733	9.6	8
21	Understanding laborers' behavioral diversities in multinational construction projects using integrated simulation approach. <i>Engineering, Construction and Architectural Management</i> , <b>2019</b> , 26, 2120-2146	3.1	7
20	The Application of BIM-Enabled Facility Management System in Complex Building. <i>International Journal of 3-D Information Modeling</i> , <b>2013</b> , 2, 16-33		7
19	Generative Design in Building Information Modelling (BIM): Approaches and Requirements. <i>Sensors</i> , <b>2021</b> , 21,	3.8	7
18	Exploring and verifying BIM-based energy simulation for building operations. <i>Engineering, Construction and Architectural Management</i> , <b>2020</b> , 27, 1679-1702	3.1	5
17	Cost and environmental impact estimation methodology and potential impact factors in offshore oil and gas platform decommissioning: A review. <i>Environmental Impact Assessment Review</i> , <b>2021</b> , 87, 106536	5.3	5
16	A Coordinated Approach for Supply-Chain Tracking in the Liquefied Natural Gas Industry. <i>Sustainability</i> , <b>2018</b> , 10, 4822	3.6	5
15	Integrating Building Information Modelling and Firefly Algorithm to Optimize Tower Crane Layout <b>2014</b> ,		4
14	Developing a hybrid approach to extract constraints related information for constraint management. <i>Automation in Construction</i> , <b>2021</b> , 124, 103563	9.6	4
13	Self-Organized Crowd Dynamics: Research on Earthquake Emergency Response Patterns of Drill-Trained Individuals Based on GIS and Multi-Agent Systems Methodology. <i>Sensors</i> , <b>2021</b> , 21,	3.8	4
12	Opportunities and Challenges for Chinese Elderly Care Industry in Smart Environment Based on Occupants' Needs and Preferences. <i>Frontiers in Psychology</i> , <b>2020</b> , 11, 1029	3.4	3
11	Vision-Based Pavement Marking Detection and Condition Assessment: A Case Study. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 3152	2.6	3
10	Integrating Augmented Reality into Building Information Modeling for Facility Management Case Studies <b>2015</b> , 279-304		2
9	Computer Vision Techniques in Construction, Operation and Maintenance Phases of Civil Assets: A Critical Review <b>2019</b> ,		2
8	An Efficient Decision Support System for Flood Inundation Management Using Intermittent Remote-Sensing Data. <i>Remote Sensing</i> , <b>2021</b> , 13, 2818	5	2
7	BIM-Based Tools for Managing Construction and Demolition Waste (CDW): A Scoping Review. <i>Sustainability</i> , <b>2021</b> , 13, 8427	3.6	2

6	Evaluating the economic and social benefits of multiutility tunnels with an agent-based simulation approach. <i>Engineering, Construction and Architectural Management</i> , <b>2020</b> , ahead-of-print,	3.1	1
5	BIM and GIS Applications in Bridge Projects: A Critical Review. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6207	2.6	1
4	Understanding the key takeaway of construction robots towards construction automation. <i>Engineering, Construction and Architectural Management</i> , <b>2021</b> , ahead-of-print,	3.1	1
3	An Integrated Approach for Progress Tracking in Liquefied Natural Gas Construction. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 259-267	0.9	0
2	Automatic Scaffolding Workface Assessment for Activity Analysis through Machine Learning. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 4143	2.6	0
1	BIM-Enabled Collaborative Scaffolding Scoping and Design. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 43-50	0.9	