

# Hexu Liu

## List of Publications by Year in Descending Order

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This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23 papers	578 citations	10 h-index	24 g-index
27 ext. papers	808 ext. citations	5.4 avg, IF	4.62 L-index

#	Paper	IF	Citations
23	Towards Automated Construction Quantity Take-Off: An Integrated Approach to Information Extraction From Work Descriptions. <i>Buildings</i> , <b>2022</b> , 12, 354	3.2	
22	Parametric-based design optimization of air distribution system in panelized construction. <i>Journal of Building Engineering</i> , <b>2022</b> , 51, 104254	5.2	
21	Design for Manufacturing and Assembly: A BIM-Enabled Generative Framework for Building Panelization Design. <i>Advances in Civil Engineering</i> , <b>2021</b> , 2021, 1-14	1.3	3
20	A Dynamic Just-in-Time Component Delivery Framework for Off-Site Construction. <i>Advances in Civil Engineering</i> , <b>2021</b> , 2021, 1-19	1.3	3
19	An integrated decision support system for building asset management based on BIM and Work Breakdown Structure. <i>Journal of Building Engineering</i> , <b>2021</b> , 34, 101959	5.2	7
18	An Evaluation Method for Effective Prestress of Simply Supported Prestressed Concrete Beams with Breathing Cracks. <i>Advances in Civil Engineering</i> , <b>2021</b> , 2021, 1-14	1.3	1
17	Building Information Modelling- (BIM-) Based Generative Design for Drywall Installation Planning in Prefabricated Construction. <i>Advances in Civil Engineering</i> , <b>2021</b> , 2021, 1-16	1.3	2
16	Holistic Framework for Highway Construction Cost Index Development Based on Inconsistent Pay Items. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2021</b> , 147,	4.2	1
15	A Robust Construction Safety Performance Evaluation Framework for Workers' Compensation Insurance: A Proposed Alternative to EMR. <i>Buildings</i> , <b>2021</b> , 11, 434	3.2	4
14	Virtual reality applications for the built environment: Research trends and opportunities. <i>Automation in Construction</i> , <b>2020</b> , 118, 103311	9.6	49
13	A BIM-based framework for operation and maintenance of utility tunnels. <i>Tunnelling and Underground Space Technology</i> , <b>2020</b> , 97, 103252	5.7	36
12	Building information modelling for off-site construction: Review and future directions. <i>Automation in Construction</i> , <b>2019</b> , 101, 72-91	9.6	121
11	Towards sustainable construction: BIM-enabled design and planning of roof sheathing installation for prefabricated buildings. <i>Journal of Cleaner Production</i> , <b>2019</b> , 235, 1189-1201	10.3	32
10	User-centered interior finishing material selection: An immersive virtual reality-based interactive approach. <i>Automation in Construction</i> , <b>2019</b> , 106, 102884	9.6	11
9	BIM-based automated design and planning for boarding of light-frame residential buildings. <i>Automation in Construction</i> , <b>2018</b> , 89, 235-249	9.6	34
8	Spatial gaps in urban public transport supply and demand from the perspective of sustainability. <i>Journal of Cleaner Production</i> , <b>2018</b> , 195, 1237-1248	10.3	32
7	Integrated production planning and control system for a panelized home prefabrication facility using simulation and RFID. <i>Automation in Construction</i> , <b>2018</b> , 85, 369-383	9.6	65

6	OPTIMIZING MULTI-WALL PANEL CONFIGURATION FOR PANELIZED CONSTRUCTION USING BIM. <i>Proceedings of International Structural Engineering and Construction</i> , <b>2017</b> , 4,	1.4	3
5	Ontology-based semantic approach for construction-oriented quantity take-off from BIM models in the light-frame building industry. <i>Advanced Engineering Informatics</i> , <b>2016</b> , 30, 190-207	7.4	54
4	BIM-based integrated approach for detailed construction scheduling under resource constraints. <i>Automation in Construction</i> , <b>2015</b> , 53, 29-43	9.6	110
3	An Automatic Scheduling Approach: Building Information Modeling-based Onsite Scheduling for Panelized Construction <b>2014</b> ,		5
2	A Knowledge-Based Approach Towards Automated Manufacturing-Centric BIM: Wood Frame Design and Modelling for Light-Frame Buildings. <i>Modular and Offsite Construction (MOC) Summit Proceedings</i> , 100-107		2
1	Mobile Crowdsourcing-based Data Collection for User-centered Facility Maintenance Management. <i>Canadian Journal of Civil Engineering</i> ,	1.3	1