

Jie Gong

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.

29
papers

985
citations

15
h-index

31
g-index

31
ext. papers

1,239
ext. citations

6.7
avg, IF

4.8
L-index

#	Paper	IF	Citations
29	Blockchain-based framework for improving supply chain traceability and information sharing in precast construction. <i>Automation in Construction</i> , 2020 , 111, 103063	9.6	136
28	Computer Vision-Based Video Interpretation Model for Automated Productivity Analysis of Construction Operations. <i>Journal of Computing in Civil Engineering</i> , 2010 , 24, 252-263	5	115
27	An object recognition, tracking, and contextual reasoning-based video interpretation method for rapid productivity analysis of construction operations. <i>Automation in Construction</i> , 2011 , 20, 1211-1226	9.6	90
26	Learning and classifying actions of construction workers and equipment using Bag-of-Video-Feature-Words and Bayesian network models. <i>Advanced Engineering Informatics</i> , 2011 , 25, 771-782	7.4	89
25	Assessing the impact of materials tracking technologies on construction craft productivity. <i>Automation in Construction</i> , 2009 , 18, 903-911	9.6	86
24	Framework for modeling operational uncertainty to optimize offsite production scheduling of precast components. <i>Automation in Construction</i> , 2018 , 86, 69-80	9.6	57
23	Precast supply chain management in off-site construction: A critical literature review. <i>Journal of Cleaner Production</i> , 2019 , 232, 1204-1217	10.3	49
22	Component-Based Vulnerability Analysis for Residential Structures Subjected to Storm Surge Impact from Hurricane Sandy. <i>Natural Hazards Review</i> , 2016 , 17, 05015005	3.5	46
21	Data processing for real-time construction site spatial modeling. <i>Automation in Construction</i> , 2008 , 17, 526-535	9.6	45
20	Image-Based 3D Reconstruction for Posthurricane Residential Building Damage Assessment. <i>Journal of Computing in Civil Engineering</i> , 2016 , 30, 04015015	5	36
19	A multi-scale adaptive model of residential energy demand. <i>Applied Energy</i> , 2015 , 150, 258-273	10.7	35
18	Simulation based multiple disturbances evaluation in the precast supply chain for improved disturbance prevention. <i>Journal of Cleaner Production</i> , 2018 , 177, 232-244	10.3	28
17	Identification of Key Contractor Characteristic Factors That Affect Project Success under Different Project Delivery Systems: Empirical Analysis Based on a Group of Data from China. <i>Journal of Management in Engineering - ASCE</i> , 2016 , 32, 05015003	5.3	26
16	A Group Decision-Making Aggregation Model for Contractor Selection in Large Scale Construction Projects Based on Two-Stage Partial Least Squares (PLS) Path Modeling. <i>Group Decision and Negotiation</i> , 2015 , 24, 855-883	2.5	24
15	Evaluation of Remote Sensing Technologies for Collecting Roadside Feature Data to Support Highway Safety Manual Implementation. <i>Journal of Transportation Safety and Security</i> , 2015 , 7, 345-357	1.7	16
14	Operational planning for multi-building portfolio in an uncertain energy market. <i>Energy and Buildings</i> , 2015 , 103, 271-283	7	14
13	Analysis of XBOX Kinect Sensor Data for Use on Construction Sites : Depth Accuracy and Sensor Interference Assessment 2012 ,		14

12	Modeling Worker Competence to Advance Precast Production Scheduling Optimization. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018 , 144, 04018098	4.2	13
11	Automated Analysis of Mobile LiDAR Data for Component-Level Damage Assessment of Building Structures during Large Coastal Storm Events. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2018 , 33, 373-392	8.4	11
10	Real-time tracking of concrete vibration effort for intelligent concrete consolidation. <i>Automation in Construction</i> , 2015 , 54, 12-24	9.6	9
9	Optimization of Temporary Debris Management Site Selection and Site Service Regions for Enhancing Postdisaster Debris Removal Operations. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2019 , 34, 230-247	8.4	9
8	Integration of Demand Dynamics and Investment Decisions on Distributed Energy Resources. <i>IEEE Transactions on Smart Grid</i> , 2016 , 7, 1886-1895	10.7	8
7	Synchronizing production scheduling with resources allocation for precast components in a multi-agent system environment. <i>Journal of Manufacturing Systems</i> , 2018 , 49, 131-142	9.1	8
6	Learning and Classifying Motions of Construction Workers and Equipment Using Bag of Video Feature Words and Bayesian Learning Methods 2011 ,		7
5	Presence and variability of culturable bioaerosols in three multi-family apartment buildings with different ventilation systems in the Northeastern US. <i>Indoor Air</i> , 2021 , 31, 502-523	5.4	6
4	Longitudinal-Scanline-Based Arterial Traffic Video Analytics with Coordinate Transformation Assisted by 3D Infrastructure Data. <i>Transportation Research Record</i> , 2021 , 2675, 338-357	1.7	3
3	Supporting quantitative structural assessment of highway bridges through the use of LiDAR scanning. <i>Structure and Infrastructure Engineering</i> , 1-12	2.9	3
2	Applying Fuzzy Logic for Optimal Placement of XBOX Kinect Sensors for Industrial Applications. <i>Advanced Materials Research</i> , 2012 , 628, 433-439	0.5	1
1	Competence Based Worker Assignment and Impacts on Production Scheduling in Precast Construction 2018 ,		1