

Jie Gong

List of Publications by Year in descending order

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31
papers

1,501
citations

430442

18
h-index

525886

27
g-index

31
all docs

31
docs citations

31
times ranked

1150
citing authors

#	ARTICLE	IF	CITATIONS
1	Blockchain-based framework for improving supply chain traceability and information sharing in precast construction. <i>Automation in Construction</i> , 2020, 111, 103063.	4.8	273
2	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.	2.5	149
3	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.	4.0	126
4	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.	4.8	122
5	Assessing the impact of materials tracking technologies on construction craft productivity. <i>Automation in Construction</i> , 2009, 18, 903-911.	4.8	110
6	Framework for modeling operational uncertainty to optimize offsite production scheduling of precast components. <i>Automation in Construction</i> , 2018, 86, 69-80.	4.8	100
7	Precast supply chain management in off-site construction: A critical literature review. <i>Journal of Cleaner Production</i> , 2019, 232, 1204-1217.	4.6	90
8	Component-Based Vulnerability Analysis for Residential Structures Subjected to Storm Surge Impact from Hurricane Sandy. <i>Natural Hazards Review</i> , 2016, 17, .	0.8	63
9	Data processing for real-time construction site spatial modeling. <i>Automation in Construction</i> , 2008, 17, 526-535.	4.8	58
10	Image-Based 3D Reconstruction for Posthurricane Residential Building Damage Assessment. <i>Journal of Computing in Civil Engineering</i> , 2016, 30, .	2.5	55
11	Simulation based multiple disturbances evaluation in the precast supply chain for improved disturbance prevention. <i>Journal of Cleaner Production</i> , 2018, 177, 232-244.	4.6	44
12	A multi-scale adaptive model of residential energy demand. <i>Applied Energy</i> , 2015, 150, 258-273.	5.1	40
13	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, .	2.6	33
14	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.	2.0	29
15	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.	6.3	25
16	Analysis of XBOX Kinect Sensor Data for Use on Construction Sites : Depth Accuracy and Sensor Interference Assessment. , 2012, , .		22
17	Real-time tracking of concrete vibration effort for intelligent concrete consolidation. <i>Automation in Construction</i> , 2015, 54, 12-24.	4.8	22
18	Modeling Worker Competence to Advance Precast Production Scheduling Optimization. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018, 144, 04018098.	2.0	22

#	ARTICLE	IF	CITATIONS
19	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.	1.1	20
20	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.	7.6	18
21	Operational planning for multi-building portfolio in an uncertain energy market. <i>Energy and Buildings</i> , 2015, 103, 271-283.	3.1	15
22	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.	6.3	14
23	Integration of Demand Dynamics and Investment Decisions on Distributed Energy Resources. <i>IEEE Transactions on Smart Grid</i> , 2016, 7, 1886-1895.	6.2	12
24	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.	2.0	12
25	Learning and Classifying Motions of Construction Workers and Equipment Using Bag of Video Feature Words and Bayesian Learning Methods. , 2011, , .		11
26	Longitudinal-Scanline-Based Arterial Traffic Video Analytics with Coordinate Transformation Assisted by 3D Infrastructure Data. <i>Transportation Research Record</i> , 2021, 2675, 338-357.	1.0	5
27	Supporting quantitative structural assessment of highway bridges through the use of LiDAR scanning. <i>Structure and Infrastructure Engineering</i> , 2022, 18, 824-835.	2.0	5
28	Precise indoor localization with 3D facility scan data. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2022, 37, 1243-1259.	6.3	3
29	Competence Based Worker Assignment and Impacts on Production Scheduling in Precast Construction. , 2018, , .		2
30	Applying Fuzzy Logic for Optimal Placement of XBOX Kinect Sensors for Industrial Applications. <i>Advanced Materials Research</i> , 2012, 628, 433-439.	0.3	1
31	Computing with Geospatial Big Data for Coastal Resilience Decision Support. , 2017, , .		0