Jie Gong

List of Publications by Year in descending order

31 papers	1,501 citations	430874 18 h-index	526287 27 g-index
31 all docs	31 docs citations	31 times ranked	1150 citing authors

#	Article	IF	Citations
1	Supporting quantitative structural assessment of highway bridges through the use of LiDAR scanning. Structure and Infrastructure Engineering, 2022, 18, 824-835.	3.7	5
2	Precise indoor localization with 3D facility scan data. Computer-Aided Civil and Infrastructure Engineering, 2022, 37, 1243-1259.	9.8	3
3	Presence and variability of culturable bioaerosols in three multi€family apartment buildings with different ventilation systems in the Northeastern US. Indoor Air, 2021, 31, 502-523.	4.3	12
4	Longitudinal-Scanline-Based Arterial Traffic Video Analytics with Coordinate Transformation Assisted by 3D Infrastructure Data. Transportation Research Record, 2021, 2675, 338-357.	1.9	5
5	Blockchain-based framework for improving supply chain traceability and information sharing in precast construction. Automation in Construction, 2020, 111, 103063.	9.8	273
6	Optimization of Temporary Debris Management Site Selection and Site Service Regions for Enhancing Postdisaster Debris Removal Operations. Computer-Aided Civil and Infrastructure Engineering, 2019, 34, 230-247.	9.8	14
7	Precast supply chain management in off-site construction: A critical literature review. Journal of Cleaner Production, 2019, 232, 1204-1217.	9.3	90
8	Automated Analysis of Mobile LiDAR Data for Component€Level Damage Assessment of Building Structures during Large Coastal Storm Events. Computer-Aided Civil and Infrastructure Engineering, 2018, 33, 373-392.	9.8	25
9	Simulation based multiple disturbances evaluation in the precast supply chain for improved disturbance prevention. Journal of Cleaner Production, 2018, 177, 232-244.	9.3	44
10	Framework for modeling operational uncertainty to optimize offsite production scheduling of precast components. Automation in Construction, 2018, 86, 69-80.	9.8	100
11	Competence Based Worker Assignment and Impacts on Production Scheduling in Precast Construction. , 2018, , .		2
12	Synchronizing production scheduling with resources allocation for precast components in a multi-agent system environment. Journal of Manufacturing Systems, 2018, 49, 131-142.	13.9	18
13	Modeling Worker Competence to Advance Precast Production Scheduling Optimization. Journal of Construction Engineering and Management - ASCE, 2018, 144, 04018098.	3.8	22
14	Computing with Geospatial Big Data for Coastal Resilience Decision Support. , 2017, , .		0
15	Integration of Demand Dynamics and Investment Decisions on Distributed Energy Resources. IEEE Transactions on Smart Grid, 2016, 7, 1886-1895.	9.0	12
16	Component-Based Vulnerability Analysis for Residential Structures Subjected to Storm Surge Impact from Hurricane Sandy. Natural Hazards Review, 2016, 17, .	1.5	63
17	Image-Based 3D Reconstruction for Posthurricane Residential Building Damage Assessment. Journal of Computing in Civil Engineering, 2016, 30, .	4.7	55
18	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. Journal of Management in Engineering - ASCE, 2016, 32, .	4.8	33

#	ARTICLE	IF	CITATIONS
19	Evaluation of Remote Sensing Technologies for Collecting Roadside Feature Data to Support Highway Safety Manual Implementation. Journal of Transportation Safety and Security, 2015, 7, 345-357.	1.6	20
20	A Group Decision-Making Aggregation Model for Contractor Selection in Large Scale Construction Projects Based on Two-Stage Partial Least Squares (PLS) Path Modeling. Group Decision and Negotiation, 2015, 24, 855-883.	3.3	29
21	Operational planning for multi-building portfolio in an uncertain energy market. Energy and Buildings, 2015, 103, 271-283.	6.7	15
22	A multi-scale adaptive model of residential energy demand. Applied Energy, 2015, 150, 258-273.	10.1	40
23	Real-time tracking of concrete vibration effort for intelligent concrete consolidation. Automation in Construction, 2015, 54, 12-24.	9.8	22
24	Applying Fuzzy Logic for Optimal Placement of XBOX Kinect Sensors for Industrial Applications. Advanced Materials Research, 2012, 628, 433-439.	0.3	1
25	Analysis of XBOX Kinect Sensor Data for Use on Construction Sites : Depth Accuracy and Sensor Interference Assessment. , 2012, , .		22
26	Learning and Classifying Motions of Construction Workers and Equipment Using Bag of Video Feature Words and Bayesian Learning Methods. , 2011, , .		11
27	An object recognition, tracking, and contextual reasoning-based video interpretation method for rapid productivity analysis of construction operations. Automation in Construction, 2011, 20, 1211-1226.	9.8	122
28	Learning and classifying actions of construction workers and equipment using Bag-of-Video-Feature-Words and Bayesian network models. Advanced Engineering Informatics, 2011, 25, 771-782.	8.0	126
29	Computer Vision-Based Video Interpretation Model for Automated Productivity Analysis of Construction Operations. Journal of Computing in Civil Engineering, 2010, 24, 252-263.	4.7	149
30	Assessing the impact of materials tracking technologies on construction craft productivity. Automation in Construction, 2009, 18, 903-911.	9.8	110
31	Data processing for real-time construction site spatial modeling. Automation in Construction, 2008, 17, 526-535.	9.8	58