Jiannan Cai

List of Publications by Year
in descending order

15 papers	196 citations	1162367 8 h-index	1199166 12 g-index
15 all docs	15 docs citations	15 times ranked	161 citing authors

#	Article	IF	Citations
1	Nationwide assessment of energy costs and policies to limit airborne infection risks in U.S. schools. Journal of Building Engineering, 2022, 45, 103533.	1.6	1
2	Construction Worker Ergonomic Assessment via LSTM-Based Multi-Task Learning Framework. , 2022, , .		4
3	Seeing through Disaster Rubble in 3D with Ground-Penetrating Radar and Interactive Augmented Reality for Urban Search and Rescue. Journal of Computing in Civil Engineering, 2022, 36, .	2.5	7
4	Multitask Learning Method for Detecting the Visual Focus of Attention of Construction Workers. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	2.0	7
5	Metamodel-based state-dependent fragility modeling for Markovian sequential seismic damage assessment. Engineering Structures, 2021, 243, 112644.	2.6	11
6	Airborne infection risks of SARS-CoV-2 in U.S. schools and impacts of different intervention strategies. Sustainable Cities and Society, 2021, 74, 103188.	5.1	23
7	Real option-based optimization for financial incentive allocation in infrastructure projects under public-private partnerships. Frontiers of Engineering Management, 2020, 7, 413-425.	3.3	6
8	A context-augmented deep learning approach for worker trajectory prediction on unstructured and dynamic construction sites. Advanced Engineering Informatics, 2020, 46, 101173.	4.0	35
9	Robust Hybrid Approach of Vision-Based Tracking and Radio-Based Identification and Localization for 3D Tracking of Multiple Construction Workers. Journal of Computing in Civil Engineering, 2020, 34, .	2.5	20
10	Fusing Heterogeneous Information for Underground Utility Map Generation Based on Dempster-Shafer Theory. Journal of Computing in Civil Engineering, 2020, 34, 04020013.	2.5	10
11	Estimating the Visual Attention of Construction Workers from Head Pose Using Convolutional Neural Network-Based Multi-Task Learning. , 2020, , .		2
12	Two-step long short-term memory method for identifying construction activities through positional and attentional cues. Automation in Construction, 2019, 106, 102886.	4.8	35
13	Empirical Analysis of Capital Structure Determinants in Infrastructure Projects under Public–Private Partnerships. Journal of Construction Engineering and Management - ASCE, 2019, 145, .	2.0	20
14	Spatial Autocorrelation in Soil Compaction and Its Impact on Earthwork Acceptance Testing. Transportation Research Record, 2019, 2673, 332-342.	1.0	9
15	Accurate Mapping of Underground Utilities: An Information Fusion Approach Based on Dempster-Shafer Theory. , 2018, , .		6