

Ying Zhou

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.

42
papers

1,381
citations

20
h-index

37
g-index

47
ext. papers

1,835
ext. citations

6.5
avg, IF

5.23
L-index

#	Paper	IF	Citations
42	The impact of occupants' behaviours on building energy analysis: A research review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 80, 1061-1071	16.2	218
41	Building Information Modeling (BIM) application framework: The process of expanding from 3D to computable nD. <i>Automation in Construction</i> , 2014 , 46, 82-93	9.6	170
40	Integrating Augmented Reality with Building Information Modeling: Onsite construction process controlling for liquefied natural gas industry. <i>Automation in Construction</i> , 2014 , 40, 96-105	9.6	133
39	Application of 4D visualization technology for safety management in metro construction. <i>Automation in Construction</i> , 2013 , 34, 25-36	9.6	92
38	Ontology-based semantic modeling of regulation constraint for automated construction quality compliance checking. <i>Automation in Construction</i> , 2012 , 28, 58-70	9.6	83
37	Implementation of augmented reality for segment displacement inspection during tunneling construction. <i>Automation in Construction</i> , 2017 , 82, 112-121	9.6	80
36	Using nD technology to develop an integrated construction management system for city rail transit construction. <i>Automation in Construction</i> , 2012 , 21, 64-73	9.6	56
35	Predicting Safety Risks in Deep Foundation Pits in Subway Infrastructure Projects: Support Vector Machine Approach. <i>Journal of Computing in Civil Engineering</i> , 2017 , 31, 04017052	5	53
34	Using Bayesian network for safety risk analysis of diaphragm wall deflection based on field data. <i>Reliability Engineering and System Safety</i> , 2018 , 180, 152-167	6.3	41
33	Applicability of 4D modeling for resource allocation in mega liquefied natural gas plant construction. <i>Automation in Construction</i> , 2015 , 50, 50-63	9.6	39
32	Intelligent Approach Based on Random Forest for Safety Risk Prediction of Deep Foundation Pit in Subway Stations. <i>Journal of Computing in Civil Engineering</i> , 2019 , 33, 05018004	5	39
31	Dynamic prediction for attitude and position in shield tunneling: A deep learning method. <i>Automation in Construction</i> , 2019 , 105, 102840	9.6	38
30	An IFC-inspection process model for infrastructure projects: Enabling real-time quality monitoring and control. <i>Automation in Construction</i> , 2017 , 84, 96-110	9.6	31
29	Study on safety control for Wuhan metro construction in complex environments. <i>International Journal of Project Management</i> , 2011 , 29, 797-807	7.6	27
28	Formulating project-level building information modeling evaluation framework from the perspectives of organizations: A review. <i>Automation in Construction</i> , 2017 , 81, 44-55	9.6	25
27	UAV-based 3D reconstruction for hoist site mapping and layout planning in petrochemical construction. <i>Automation in Construction</i> , 2020 , 113, 103137	9.6	22
26	Machine learning in construction: From shallow to deep learning. <i>Developments in the Built Environment</i> , 2021 , 6, 100045	5.1	22

25	Utilizing IFC for shield segment assembly in underground tunneling. <i>Automation in Construction</i> , 2018 , 93, 178-191	9.6	22
24	BIM-based task-level planning for robotic brick assembly through image-based 3D modeling. <i>Advanced Engineering Informatics</i> , 2020 , 43, 100993	7.4	21
23	Hybrid Support Vector Machine Optimization Model for Prediction of Energy Consumption of Cutter Head Drives in Shield Tunneling. <i>Journal of Computing in Civil Engineering</i> , 2019 , 33, 04019019	5	20
22	Visibility graph analysis on time series of shield tunneling parameters based on complex network theory. <i>Tunnelling and Underground Space Technology</i> , 2019 , 89, 10-24	5.7	18
21	Combining association rules mining with complex networks to monitor coupled risks. <i>Reliability Engineering and System Safety</i> , 2019 , 186, 194-208	6.3	18
20	Topological mapping and assessment of multiple settlement time series in deep excavation: A complex network perspective. <i>Advanced Engineering Informatics</i> , 2018 , 36, 1-19	7.4	15
19	Unsupervised spectral clustering for shield tunneling machine monitoring data with complex network theory. <i>Automation in Construction</i> , 2019 , 107, 102924	9.6	14
18	A CNN-based 3D patch registration approach for integrating sequential models in support of progress monitoring. <i>Advanced Engineering Informatics</i> , 2019 , 41, 100923	7.4	12
17	Effects of long-term household air pollution exposure from solid fuel use on depression: Evidence from national longitudinal surveys from 2011 to 2018. <i>Environmental Pollution</i> , 2021 , 283, 117350	9.3	12
16	The nature and severity of workplace injuries in construction: engendering operational benchmarking. <i>Ergonomics</i> , 2019 , 62, 1273-1288	2.9	9
15	Human dynamics in near-miss accidents resulting from unsafe behavior of construction workers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 530, 121495	3.3	7
14	Virtual pre-assembly for large steel structures based on BIM, PLP algorithm, and 3D measurement. <i>Frontiers of Engineering Management</i> , 2019 , 6, 207-220	2.7	7
13	Three-dimensional (3D) reconstruction of structures and landscapes: A new point-and-line fusion method. <i>Advanced Engineering Informatics</i> , 2019 , 42, 100961	7.4	7
12	Quantifying the evolution of settlement risk for surrounding environments in underground construction via complex network analysis. <i>Tunnelling and Underground Space Technology</i> , 2020 , 103, 103490	5.7	6
11	Rework, Failures, and Unsafe Behavior: Moving Toward an Error Management Mindset in Construction. <i>IEEE Transactions on Engineering Management</i> , 2020 , 1-13	2.6	5
10	Holistic green BIM: a scientometrics and mixed review. <i>Engineering, Construction and Architectural Management</i> , 2020 , ahead-of-print,	3.1	4
9	Research and Application on 6D Integrated System in Metro Construction Based on BIM. <i>Applied Mechanics and Materials</i> , 2010 , 26-28, 241-245	0.3	4
8	Intelligent Fangcang Shelter Hospital Systems for Major Public Health Emergencies: The Case of the Optics Valley Fangcang Shelter Hospital. <i>Journal of Management in Engineering - ASCE</i> , 2022 , 38, 05021010	5.3	4

7	Design and automated assembly of Planetary LEGO Brick for lunar in-situ construction. <i>Automation in Construction</i> , 2020 , 118, 103282	9.6	3
6	Efficiency and productivity of county-level traditional Chinese medicine hospitals in Hubei Province, China: A retrospective study based on 17 years of panel data. <i>International Journal of Health Planning and Management</i> , 2021 , 36, 1308-1325	2.2	2
5	Residential environment and depressive symptoms among Chinese middle- and old-aged adults: A longitudinal population-based study. <i>Health and Place</i> , 2020 , 66, 102463	4.6	1
4	Automated Selection and Localization of Mobile Cranes in Construction Planning. <i>Buildings</i> , 2022 , 12, 580	3.2	1
3	Prevalence and associated factors for workplace violence among general practitioners in China: a national cross-sectional study.. <i>Human Resources for Health</i> , 2022 , 20, 42	4.6	0
2	An Adaptable Conceptual Model for Construction Technology Transfer: The BRI in Africa, the Case of Ethiopia. <i>Sustainability</i> , 2021 , 13, 3376	3.6	
1	An Experiment-Based Simplified Method for the Model of Building Groups in CFD Simulation. <i>Advances in Civil Engineering</i> , 2021 , 2021, 1-13	1.3	