

Ying Zhou

List of Publications by Year in descending order

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47
papers

2,322
citations

257450

24
h-index

276875

41
g-index

47
all docs

47
docs citations

47
times ranked

1853
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of occupants's behaviours on building energy analysis: A research review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 80, 1061-1071.	16.4	349
2	Building Information Modeling (BIM) application framework: The process of expanding from 3D to computable nD. <i>Automation in Construction</i> , 2014, 46, 82-93.	9.8	232
3	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.	9.8	178
4	Ontology-based semantic modeling of regulation constraint for automated construction quality compliance checking. <i>Automation in Construction</i> , 2012, 28, 58-70.	9.8	124
5	Implementation of augmented reality for segment displacement inspection during tunneling construction. <i>Automation in Construction</i> , 2017, 82, 112-121.	9.8	122
6	Application of 4D visualization technology for safety management in metro construction. <i>Automation in Construction</i> , 2013, 34, 25-36.	9.8	115
7	Dynamic prediction for attitude and position in shield tunneling: A deep learning method. <i>Automation in Construction</i> , 2019, 105, 102840.	9.8	98
8	Machine learning in construction: From shallow to deep learning. <i>Developments in the Built Environment</i> , 2021, 6, 100045.	4.0	87
9	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, .	4.7	86
10	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, .	4.7	76
11	Using nD technology to develop an integrated construction management system for city rail transit construction. <i>Automation in Construction</i> , 2012, 21, 64-73.	9.8	67
12	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.	8.9	63
13	BIM-based task-level planning for robotic brick assembly through image-based 3D modeling. <i>Advanced Engineering Informatics</i> , 2020, 43, 100993.	8.0	58
14	Combining association rules mining with complex networks to monitor coupled risks. <i>Reliability Engineering and System Safety</i> , 2019, 186, 194-208.	8.9	55
15	An IFC-inspection process model for infrastructure projects: Enabling real-time quality monitoring and control. <i>Automation in Construction</i> , 2017, 84, 96-110.	9.8	54
16	UAV-based 3D reconstruction for hoist site mapping and layout planning in petrochemical construction. <i>Automation in Construction</i> , 2020, 113, 103137.	9.8	46
17	Applicability of 4D modeling for resource allocation in mega liquefied natural gas plant construction. <i>Automation in Construction</i> , 2015, 50, 50-63.	9.8	45
18	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.	7.5	43

#	ARTICLE	IF	CITATIONS
19	Utilizing IFC for shield segment assembly in underground tunneling. <i>Automation in Construction</i> , 2018, 93, 178-191.	9.8	39
20	Study on safety control for Wuhan metro construction in complex environments. <i>International Journal of Project Management</i> , 2011, 29, 797-807.	5.6	34
21	Formulating project-level building information modeling evaluation framework from the perspectives of organizations: A review. <i>Automation in Construction</i> , 2017, 81, 44-55.	9.8	33
22	Unsupervised spectral clustering for shield tunneling machine monitoring data with complex network theory. <i>Automation in Construction</i> , 2019, 107, 102924.	9.8	32
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, .	4.7	32
24	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.	6.2	31
25	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.	8.0	22
26	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.	3.3	22
27	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.	6.2	22
28	A CNN-based 3D patch registration approach for integrating sequential models in support of progress monitoring. <i>Advanced Engineering Informatics</i> , 2019, 41, 100923.	8.0	21
29	The nature and severity of workplace injuries in construction: engendering operational benchmarking. <i>Ergonomics</i> , 2019, 62, 1273-1288.	2.1	20
30	Three-dimensional (3D) reconstruction of structures and landscapes: A new point-and-line fusion method. <i>Advanced Engineering Informatics</i> , 2019, 42, 100961.	8.0	16
31	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, .	4.8	16
32	Holistic green BIM: a scientometrics and mixed review. <i>Engineering, Construction and Architectural Management</i> , 2021, 28, 2273-2299.	3.1	15
33	Rework, Failures, and Unsafe Behavior: Moving Toward an Error Management Mindset in Construction. <i>IEEE Transactions on Engineering Management</i> , 2022, 69, 1489-1501.	3.5	15
34	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.	2.6	12
35	Design and automated assembly of Planetary LEGO Brick for lunar in-situ construction. <i>Automation in Construction</i> , 2020, 118, 103282.	9.8	12
36	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.	6.1	9

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37	Research and Application on 6D Integrated System in Metro Construction Based on BIM. Applied Mechanics and Materials, 2010, 26-28, 241-245.	0.2	6
38	Automated Selection and Localization of Mobile Cranes in Construction Planning. Buildings, 2022, 12, 580.	3.1	6
39	Efficiency and productivity of county-level traditional Chinese medicine hospitals in Hubei Province, China: A retrospective study based on 17 years of panel data. International Journal of Health Planning and Management, 2021, 36, 1308-1325.	1.7	4
40	An Adaptable Conceptual Model for Construction Technology Transfer: The BRI in Africa, the Case of Ethiopia. Sustainability, 2021, 13, 3376.	3.2	2
41	Prevalence and associated factors for workplace violence among general practitioners in China: a national cross-sectional study. Human Resources for Health, 2022, 20, 42.	3.1	2
42	Association Between Community Environment and Depressive Symptoms Among Chinese Middle-aged and Older Adults: Evidence From National Longitudinal Surveys From 2011 to 2018. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 2265-2271.	3.6	1
43	Design and Application of Large-scale Project Management System based on Software Bus. , 2007, , .		0
44	An Integrated System for Payment Management in Construction. , 2009, , .		0
45	Study on Life-cycle carbon emissions of urban traffic system. , 2011, , .		0
46	An Experiment-Based Simplified Method for the Model of Building Groups in CFD Simulation. Advances in Civil Engineering, 2021, 2021, 1-13.	0.7	0
47	A 3D Model Compression Method for Large Scenes. , 2018, , .		0