

Dong Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

1,767
citations

331670

21
h-index

289244

40
g-index

71
all docs

71
docs citations

71
times ranked

1303
citing authors

#	ARTICLE	IF	CITATIONS
1	Zero latency: Real-time synchronization of BIM data in virtual reality for collaborative decision-making. <i>Automation in Construction</i> , 2018, 85, 51-64.	9.8	197
2	Virtual reality simulation for construction safety promotion. <i>International Journal of Injury Control and Safety Promotion</i> , 2015, 22, 57-67.	2.0	177
3	CoVR: Cloud-Based Multiuser Virtual Reality Headset System for Project Communication of Remote Users. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018, 144, .	3.8	132
4	Monitoring workers' attention and vigilance in construction activities through a wireless and wearable electroencephalography system. <i>Automation in Construction</i> , 2017, 82, 122-137.	9.8	112
5	Interaction effects of building technology and resident behavior on energy consumption in residential buildings. <i>Energy and Buildings</i> , 2017, 134, 223-233.	6.7	112
6	A Multiuser Shared Virtual Environment for Facility Management. <i>Procedia Engineering</i> , 2016, 145, 120-127.	1.2	70
7	Building Collaborative Construction Skills through BIM-integrated Learning Environment. <i>International Journal of Construction Education and Research</i> , 2015, 11, 97-120.	1.6	60
8	Stakeholder perceptions of risk in construction. <i>Safety Science</i> , 2016, 82, 111-119.	4.9	59
9	Business Model Innovation and Its Drivers in the Chinese Construction Industry during the Shift to Modular Prefabrication. <i>Journal of Management in Engineering - ASCE</i> , 2017, 33, .	4.8	57
10	Cost prediction model for building deconstruction in urban areas. <i>Journal of Cleaner Production</i> , 2018, 195, 1572-1580.	9.3	51
11	Sustainable Performance of Buildings through Modular Prefabrication in the Construction Phase: A Comparative Study. <i>Sustainability</i> , 2019, 11, 5658.	3.2	48
12	An Empirical Study on the Energy Consumption in Residential Buildings after Adopting Green Building Standards. <i>Procedia Engineering</i> , 2016, 145, 766-773.	1.2	44
13	Automated staff assignment for building maintenance using natural language processing. <i>Automation in Construction</i> , 2020, 113, 103150.	9.8	43
14	Control measures of electrical hazards: An analysis of construction industry. <i>Safety Science</i> , 2015, 77, 143-151.	4.9	38
15	Risk-Compensation Behaviors on Construction Sites: Demographic and Psychological Determinants. <i>Journal of Management in Engineering - ASCE</i> , 2017, 33, .	4.8	34
16	BIM for Improved Project Communication Networks: Empirical Evidence from Email Logs. <i>Journal of Computing in Civil Engineering</i> , 2020, 34, .	4.7	31
17	Time effects of green buildings on energy use for low-income households: A longitudinal study in the United States. <i>Sustainable Cities and Society</i> , 2018, 40, 559-568.	10.4	30
18	Electrical deaths in the US construction: an analysis of fatality investigations. <i>International Journal of Injury Control and Safety Promotion</i> , 2014, 21, 278-288.	2.0	26

#	ARTICLE	IF	CITATIONS
19	Resilient Built Environment: New Framework for Assessing the Residential Construction Market. <i>Journal of Architectural Engineering</i> , 2015, 21, .	1.6	24
20	Simultaneous Data Exchange between BIM and VR for Collaborative Decision Making. , 2017, , .		24
21	Advanced Management in Civil Engineering Projects. <i>Advances in Civil Engineering</i> , 2018, 2018, 1-2.	0.7	23
22	Understanding innovation diffusion and adoption strategies in megaproject networks through a fuzzy system dynamic model. <i>Frontiers of Engineering Management</i> , 2021, 8, 32-47.	6.1	22
23	Optimization of Change Order Management Process with Object-Oriented Discrete Event Simulation: Case Study. <i>Journal of Construction Engineering and Management - ASCE</i> , 2016, 142, 05015018.	3.8	21
24	Using virtual environments to support electrical safety awareness in construction. , 2009, , .		19
25	INTEGRATING SAFETY CULTURE INTO OSH RISK MITIGATION: A PILOT STUDY ON THE ELECTRICAL SAFETY. <i>Journal of Civil Engineering and Management</i> , 2016, 22, 800-807.	3.5	19
26	Optimal Design of Energy Storage System to Buffer Charging Infrastructure in Smart Cities. <i>Journal of Management in Engineering - ASCE</i> , 2020, 36, .	4.8	19
27	Data-Driven Approach to Scenario Determination for VR-Based Construction Safety Training. , 2018, , .		18
28	Modeling urban energy dynamics under clustered urban heat island effect with local-weather extended distributed adjacency blocks. <i>Sustainable Cities and Society</i> , 2020, 56, 102099.	10.4	17
29	Integrative Collaboration in Fragmented Project Organizations: Network Perspective. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021, 147, .	3.8	17
30	Formalizing an integrated metric system measuring performance of urban sustainability: Evidence from China. <i>Sustainable Cities and Society</i> , 2022, 79, 103702.	10.4	17
31	Sociotechnical Systems of Fatal Electrical Injuries in the Construction Industry. <i>Journal of Construction Engineering and Management - ASCE</i> , 2016, 142, .	3.8	16
32	Emergence and Evolution of Network Structures in Complex Interorganizational Project Teams. <i>Journal of Management in Engineering - ASCE</i> , 2021, 37, .	4.8	16
33	COMPARISON OF GREEN HOME ENERGY PERFORMANCE BETWEEN SIMULATION AND OBSERVATION: A CASE OF VIRGINIA, UNITED STATES. <i>Journal of Green Building</i> , 2018, 13, 70-88.	0.8	15
34	Cost Performance as a Stochastic Process: EAC Projection by Markov Chain Simulation. <i>Journal of Construction Engineering and Management - ASCE</i> , 2016, 142, .	3.8	13
35	Decision-Making Chains in Electrical Safety for Construction Workers. <i>Journal of Construction Engineering and Management - ASCE</i> , 2016, 142, .	3.8	13
36	Effects of Bank Lending on Urban Housing Prices for Sustainable Development: A Panel Analysis of Chinese Cities. <i>Sustainability</i> , 2018, 10, 642.	3.2	12

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37	Framework for Benchmarking green building movement: A case of Brazil. <i>Sustainable Cities and Society</i> , 2019, 48, 101545.	10.4	12
38	Cross-domain function analysis and trend study in Chinese construction industry based on patent semantic analysis. <i>Technological Forecasting and Social Change</i> , 2021, 162, 120331.	11.6	10
39	Impacts of human communication network topology on group optimism bias in Capital Project Planning: a human-subject experiment. <i>Construction Management and Economics</i> , 2019, 37, 44-60.	3.0	9
40	Managing electrocution hazards in the US construction industry using VR simulation and cloud technology. , 2012, , 759-764.		9
41	Building information modeling-enhanced team-based learning in construction education. , 2013, , .		8
42	Effective Features to Predict Residential Energy Consumption Using Machine Learning. , 2019, , .		8
43	Using Virtual Environments Simulation to Improve Construction Safety: An Application of 3D Online-Game Based Training. <i>Lecture Notes in Electrical Engineering</i> , 2012, , 269-277.	0.4	8
44	Construction Work Plan Prediction for Facility Management Using Text Mining. , 2017, , .		7
45	Peer Pressure in BIM-Based Collaboration Improves Student Learning. <i>Journal of Civil Engineering Education</i> , 2021, 147, 04020019.	1.4	7
46	Expertise Flows and Network Structures in AEC Project Teams. , 2020, , .		7
47	Characterizing the Role of Communications in Teams Carrying Out Building Inspection. , 2018, , .		4
48	Sustainable Allocation Model of Construction Workforce for Work Resumption during COVID-19. <i>Sustainability</i> , 2021, 13, 6481.	3.2	4
49	Interconnectivity in Collaboration Networks Impact on Member Belongingness. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021, 147, .	3.8	4
50	Effective factors for residential building energy modeling using feature engineering. <i>Journal of Building Engineering</i> , 2021, 44, 102891.	3.4	4
51	A heterogeneous decision criteria system evaluating sustainable infrastructure development: From the lens of multidisciplinary stakeholder engagement. <i>Sustainable Development</i> , 2022, 30, 556-579.	12.5	4
52	Daily Occupant Behavior Pattern Affecting Energy Use in Residential Buildings. , 2020, , .		4
53	Ontologies representing multidisciplinary decision-making rationales for sustainable infrastructure developments. <i>Sustainable Cities and Society</i> , 2022, 77, 103549.	10.4	3
54	RESALE OF GREEN HOUSING COMPENSATES FOR ITS PREMIUM PRICING: AN EMPIRICAL STUDY OF CHINA. <i>Journal of Green Building</i> , 2021, 16, 45-61.	0.8	2

#	ARTICLE	IF	CITATIONS
55	Mobile Virtual Reality “ An Approach for Safety Management. , 0, , .		1
56	The Michael Horman Symposium: Developing a Network of Researchers and Mentorship for Sustainability Topics. , 2016, , .		1
57	Optimum Network of Battery Storage to Support Electric Vehicle Charging Infrastructure in Smart Cities. , 2019, , .		1
58	Spatial Analysis on Routine Occupant Behavior Patterns and Associated Factors in Residential Buildings. , 2022, , .		1
59	Knowledge Exchanges in Complex Project Networks: Influence Model. , 2022, , .		1
60	Merging habitus into safety risk management: A case from the U.S. construction industry. , 2013, , .		0
61	Do Designers and Builders Share a Similar Understanding of Occupational Safety and Health Risks?. , 2016, , .		0
62	Latent Relationship between Construction Cost and Energy Efficiency in Multifamily Green Buildings. , 2017, , .		0
63	Assessing the Graduate Education in Research Methodology on Sustainability. , 2018, , .		0
64	Demonstrating a New Measure & Index of U.S. Homebuilder Confidence. Journal of Housing Research, 2018, 27, 107-128.	0.7	0
65	Measuring Students’™ Class-level Sense of Belonging: A Social-network-based Approach. , 0, , .		0
66	Development of Virtual Reality-Based Driving Simulator for Assessing Digital Speed Feedback Signs. , 2022, , .		0
67	Network Topologies and Team Performance: A Comparative Study of AEC Projects. , 2022, , .		0
68	Relationship between Student Engagement and Academic Network Properties. , 2022, , .		0
69	Analysis of Energy Use Behaviors in Residential Buildings Using Real-World Home Energy Sensors. , 2022, , .		0