

Lei Hou

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

2,387
citations

236612

25
h-index

214527

47
g-index

65
all docs

65
docs citations

65
times ranked

1673
citing authors

#	ARTICLE	IF	CITATIONS
1	A conceptual framework for integrating building information modeling with augmented reality. Automation in Construction, 2013, 34, 37-44.	4.8	187
2	A social force evacuation model with the leadership effect. Physica A: Statistical Mechanics and Its Applications, 2014, 400, 93-99.	1.2	181
3	Integrating Augmented Reality with Building Information Modeling: Onsite construction process controlling for liquefied natural gas industry. Automation in Construction, 2014, 40, 96-105.	4.8	178
4	Using Animated Augmented Reality to Cognitively Guide Assembly. Journal of Computing in Civil Engineering, 2013, 27, 439-451.	2.5	172
5	Cost analysis for sustainable off-site construction based on a multiple-case study in China. Habitat International, 2016, 57, 215-222.	2.3	156
6	A SWOT analysis for promoting off-site construction under the backdrop of China's new urbanisation. Journal of Cleaner Production, 2018, 173, 225-234.	4.6	138
7	Using Augmented Reality to Facilitate Piping Assembly: An Experiment-Based Evaluation. Journal of Computing in Civil Engineering, 2015, 29, .	2.5	112
8	Development of BIM, IoT and AR/VR technologies for fire safety and upskilling. Automation in Construction, 2021, 125, 103631.	4.8	105
9	Literature Review of Digital Twins Applications in Construction Workforce Safety. Applied Sciences (Switzerland), 2021, 11, 339.	1.3	100
10	A study on the benefits of augmented reality in retaining working memory in assembly tasks: A focus on differences in gender. Automation in Construction, 2013, 32, 38-45.	4.8	93
11	Real-time mixed reality-based visual warning for construction workforce safety. Automation in Construction, 2022, 139, 104252.	4.8	59
12	A framework of innovative learning for skill development in complex operational tasks. Automation in Construction, 2017, 83, 29-40.	4.8	55
13	Combining Photogrammetry and Augmented Reality Towards an Integrated Facility Management System for the Oil Industry. Proceedings of the IEEE, 2014, 102, 204-220.	16.4	47
14	Potential risk and its influencing factors for separated bicycle paths. Accident Analysis and Prevention, 2016, 87, 59-67.	3.0	43
15	Memory effect of the online user preference. Scientific Reports, 2014, 4, 6560.	1.6	42
16	A Project-Based Quantification of BIM Benefits. International Journal of Advanced Robotic Systems, 2014, 11, 123.	1.3	39
17	Defining a conceptual framework for the integration of modelling and advanced imaging for improving the reliability and efficiency of bridge assessments. Journal of Civil Structural Health Monitoring, 2016, 6, 703-714.	2.0	39
18	Stability of similarity measurements for bipartite networks. Scientific Reports, 2016, 6, 18653.	1.6	39

#	ARTICLE	IF	CITATIONS
19	Foregroundâ€‘background separation technique for crack detection. Computer-Aided Civil and Infrastructure Engineering, 2019, 34, 457-470.	6.3	35
20	Deep Learning-Based Applications for Safety Management in the AEC Industry: A Review. Applied Sciences (Switzerland), 2021, 11, 821.	1.3	34
21	A comparative review and framework development on public participation for decision-making in Chinese public projects. Environmental Impact Assessment Review, 2019, 75, 79-87.	4.4	32
22	Formulating a learner model for evaluating construction workersâ€™ learning ability during safety training. Safety Science, 2019, 116, 97-107.	2.6	32
23	RFID-Aided Tracking System to Improve Work Efficiency of Scaffold Supplier: Stock Management in Australasian Supply Chain. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	2.0	30
24	Exploration of roadway factors and habitat quality using InVEST. Transportation Research, Part D: Transport and Environment, 2020, 87, 102551.	3.2	29
25	Ranking online quality and reputation via the user activity. Physica A: Statistical Mechanics and Its Applications, 2015, 436, 629-636.	1.2	27
26	Fourth industrialization-oriented offsite construction: case study of an application to an irregular commercial building. Engineering, Construction and Architectural Management, 2020, 27, 2271-2286.	1.8	27
27	Effect of the time window on the heat-conduction information filtering model. Physica A: Statistical Mechanics and Its Applications, 2014, 401, 15-21.	1.2	21
28	Long-term memories in online users' selecting activities. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2591-2596.	0.9	21
29	Discrete Firefly Algorithm for Scaffolding Construction Scheduling. Journal of Computing in Civil Engineering, 2017, 31, .	2.5	21
30	Towards a more extensive application of off-site construction: a technological review. International Journal of Construction Management, 2022, 22, 2154-2165.	2.2	19
31	Integrated Application of BIM and eXtended Reality Technology: A Review, Classification and Outlook. Lecture Notes in Civil Engineering, 2021, , 1227-1236.	0.3	19
32	Ceiling effect of online user interests for the movies. Physica A: Statistical Mechanics and Its Applications, 2014, 402, 134-140.	1.2	18
33	A study of sustainable practices in the sustainability leadership of international contractors. Sustainable Development, 2020, 28, 697-710.	6.9	18
34	Identifying the Role of Common Interests in Online User Trust Formation. PLoS ONE, 2015, 10, e0121105.	1.1	17
35	Solving the stabilityâ€‘accuracyâ€‘diversity dilemma of recommender systems. Physica A: Statistical Mechanics and Its Applications, 2017, 468, 415-424.	1.2	17
36	Critical Factors Influencing the Sustainable Construction Capability in Prefabrication of Chinese Construction Enterprises. Sustainability, 2020, 12, 8996.	1.6	17

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37	Evaluation of Scaling Invariance Embedded in Short Time Series. PLoS ONE, 2014, 9, e116128.	1.1	16
38	A systematic review of green construction research using scientometrics methods. Journal of Cleaner Production, 2022, 366, 132710.	4.6	16
39	Developing a More Reliable Aerial Photography-Based Method for Acquiring Freeway Traffic Data. Remote Sensing, 2022, 14, 2202.	1.8	13
40	EMPIRICAL ANALYSIS OF THE CLUSTERING COEFFICIENT IN THE USER-OBJECT BIPARTITE NETWORKS. International Journal of Modern Physics C, 2013, 24, 1350055.	0.8	12
41	A Cooperative System of GIS and BIM for Traffic Planning: A High-Rise Building Case Study. Lecture Notes in Computer Science, 2014, , 143-150.	1.0	11
42	Experimental Framework for Evaluating Cognitive Workload of Using AR System in General Assembly Task. , 2011, , .		10
43	Integration of BIM and Lean Concepts to Improve Maintenance Efficiency: A Case Study. , 2014, , .		9
44	Reflections on Using a Game Engine to Develop a Virtual Training System for Construction Excavator Operators. , 2011, , .		9
45	Prediction of collective opinion in consensus formation. International Journal of Modern Physics C, 2014, 25, 1450002.	0.8	8
46	Formulating a GIS-based geometric design quality assessment model for Mountain highways. Accident Analysis and Prevention, 2021, 157, 106172.	3.0	8
47	Network versus content: The effectiveness in identifying opinion leaders in an online social network with empirical evaluation. Physica A: Statistical Mechanics and Its Applications, 2022, 592, 126879.	1.2	8
48	Applying user analytics to uses and effects of social media in China. Asian Journal of Communication, 2019, 29, 291-306.	0.6	6
49	Integrating Augmented Reality into Building Information Modeling for Facility Management Case Studies. , 2015, , 279-304.		5
50	The effect of product distance on the eWOM in recommendation network. Electronic Commerce Research, 2022, 22, 901-924.	3.0	5
51	Integrating Building Information Modelling and Firefly Algorithm to Optimize Tower Crane Layout. , 2014, , .		5
52	A meta-network-based management framework for megaproject social responsibility behaviour in China. Engineering, Construction and Architectural Management, 2023, 30, 4415-4434.	1.8	5
53	Social influence on selection behaviour: Distinguishing local- and global-driven preferential attachment. PLoS ONE, 2017, 12, e0175761.	1.1	4
54	Developing a Fuzzy Multi-Criteria Evaluation Model for Prefabrication Development Maturity of Construction Firms. IEEE Access, 2020, 8, 222397-222409.	2.6	3

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55	Medical service unity: an effective approach for medical care in rural areas in China. Rural and Remote Health, 2018, 18, 4483.	0.4	3
56	Using Augmented Reality to Cognitively Facilitate Product Assembly Process. , 2010, , .		2
57	Cooperative and Immersive Coaching to Facilitate Skill Development in Construction Tasks. Lecture Notes in Computer Science, 2016, , 371-377.	1.0	2
58	A Simplified Capillary Bundle Model for CO2-Alternating-Water Injection Using an Equivalent Resistance Method. Geofluids, 2020, 2020, 1-14.	0.3	2
59	Application of Collaborative Mobile System in AR-Based Visualization, Data Storage and Manipulation. Lecture Notes in Computer Science, 2013, , 221-226.	1.0	2
60	Development of BIM Model Fitness Review System for Modelling Quality Control. , 2014, , .		1
61	A Framework Design for Optimizing Scaffolding Erection by Applying Mathematical Models and Virtual Simulation. , 2014, , .		1
62	Appraisal of building information modeling (BIM) curriculum for early-career construction-industry professionals: case study at C educational institute in Korea. International Journal of Construction Management, 2019, , 1-9.	2.2	1
63	Consumers with specialised and diverse experience produce more helpful reviews. Online Information Review, 2022, 46, 645-659.	2.2	1
64	Concurrency in BIM-Based Project Implementation: An Exploratory Study of Chongqing Jiangbei International Airport's Terminal 3A. Lecture Notes in Computer Science, 2016, , 257-262.	1.0	0
65	Augmented Reality for Collaborative Assembly Design in Manufacturing Sector. , 0, , 1821-1832.		0