

Jia-Rui Lin

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

643
citations

566801

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580395

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33
all docs

33
docs citations

33
times ranked

412
citing authors

#	ARTICLE	IF	CITATIONS
1	A Natural Language-Based Approach to Intelligent Data Retrieval and Representation for Cloud BIM. Computer-Aided Civil and Infrastructure Engineering, 2016, 31, 18-33.	6.3	113
2	A hybrid data mining approach on BIM-based building operation and maintenance. Building and Environment, 2017, 126, 483-495.	3.0	80
3	Visualization of indoor thermal environment on mobile devices based on augmented reality and computational fluid dynamics. Automation in Construction, 2019, 103, 26-40.	4.8	47
4	Work package-based information modeling for resource-constrained scheduling of construction projects. Automation in Construction, 2020, 109, 102958.	4.8	44
5	A multi-server information-sharing environment for cross-party collaboration on a private cloud. Automation in Construction, 2017, 81, 180-195.	4.8	33
6	A Hybrid Data Mining Method for Tunnel Engineering Based on Real-Time Monitoring Data From Tunnel Boring Machines. IEEE Access, 2020, 8, 90430-90449.	2.6	28
7	Pretrained domain-specific language model for natural language processing tasks in the AEC domain. Computers in Industry, 2022, 142, 103733.	5.7	28
8	Understanding On-Site Inspection of Construction Projects Based on Keyword Extraction and Topic Modeling. IEEE Access, 2020, 8, 198503-198517.	2.6	26
9	BIM- and IoT-based monitoring framework for building performance management. Journal of Structural Integrity and Maintenance, 2018, 3, 254-261.	0.7	24
10	Automating closed-loop structural safety management for bridge construction through multisource data integration. Advances in Engineering Software, 2019, 128, 152-168.	1.8	24
11	Semantic classification and hash code accelerated detection of design changes in BIM models. Automation in Construction, 2020, 115, 103212.	4.8	24
12	Building information modeling-based cyber-physical platform for building performance monitoring. International Journal of Distributed Sensor Networks, 2020, 16, 155014772090817.	1.3	23
13	Rule-based information extraction for mechanical-electrical-plumbing-specific semantic web. Automation in Construction, 2022, 135, 104108.	4.8	23
14	A Review on 3D Spatial Data Analytics for Building Information Models. Archives of Computational Methods in Engineering, 2020, 27, 1449-1463.	6.0	19
15	An approach to twinning and mining collaborative network of construction projects. Automation in Construction, 2021, 125, 103643.	4.8	15
16	How human-robot collaboration impacts construction productivity: An agent-based multi-fidelity modeling approach. Advanced Engineering Informatics, 2022, 52, 101589.	4.0	15
17	Knowledge Extraction and Discovery Based on BIM: A Critical Review and Future Directions. Archives of Computational Methods in Engineering, 2022, 29, 335-356.	6.0	13
18	Linking data model and formula to automate KPI calculation for building performance benchmarking. Energy Reports, 2021, 7, 1326-1337.	2.5	12

#	ARTICLE	IF	CITATIONS
19	Framing and Evaluating the Best Practices of IFC-Based Automated Rule Checking: A Case Study. Buildings, 2021, 11, 456.	1.4	10
20	Deep Learning-Based Instance Segmentation for Indoor Fire Load Recognition. IEEE Access, 2021, 9, 148771-148782.	2.6	9
21	Multiaspect Similarity Evaluation of BIM-Based Standard Dwelling Units for Residential Design. Journal of Computing in Civil Engineering, 2018, 32, .	2.5	8
22	A Framework for the Automatic Integration and Diagnosis of Building Energy Consumption Data. Sensors, 2021, 21, 1395.	2.1	5
23	A Data Integration and Simplification Framework for Improving Site Planning and Building Design. IEEE Access, 2021, 9, 148845-148861.	2.6	5
24	Classification and Exemplary BIM Models Development of Design Changes. , 2019, , .		4
25	An Agent-based Approach for Modeling Human-robot Collaboration in Bricklaying. , 2020, , .		3
26	Digital Twin-Based Investigation of a Building Collapse Accident. Advances in Civil Engineering, 2022, 2022, 1-13.	0.4	3
27	BIM-Based Plan Modeling System at Preliminary Stage for Residential Real Estate Projects. , 2014, , .		1
28	Operation-Level 4D Modeling and Visualization for Modular Building Based on Standard Activity Library. , 0, , .		1
29	Bibliometric review of visual computing in the construction industry. Visual Computing for Industry, Biomedicine, and Art, 2020, 3, 14.	2.2	1
30	Data Cleaning for Prediction and its Evaluation of Building Energy Consumption. , 2021, , .		0
31	OpenBridgeGraph: Integrating Open Government Data for Bridge Management. , 2020, , .		0
32	Parameterized FEA Model Generation and Simulation of Underground Structures Based on BIM: A Case Study. , 2022, , .		0