

Yong-Cheol Lee

List of Publications by Year in Descending Order

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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.

33
papers

648
citations

13
h-index

25
g-index

42
ext. papers

908
ext. citations

6.4
avg, IF

4.81
L-index

#	Paper	IF	Citations
33	A CNN Approach for Audio Classification in Construction Sites. <i>Smart Innovation, Systems and Technologies</i> , 2021 , 371-381	0.5	6
32	Closure to Multiobjective Optimization of Postdisaster Reconstruction Processes for Ensuring Long-Term Socioeconomic Benefits by Pedram Ghannad, Yong-Cheol Lee, Carol J. Friedland, Jin Ouk Choi, and Eunhwa Yang. <i>Journal of Management in Engineering - ASCE</i> , 2021 , 37, 07021002	5.3	
31	Rules and validation processes for interoperable BIM data exchange. <i>Journal of Computational Design and Engineering</i> , 2021 , 8, 97-114	4.6	5
30	Prioritizing Postdisaster Recovery of Transportation Infrastructure Systems Using Multiagent Reinforcement Learning. <i>Journal of Management in Engineering - ASCE</i> , 2021 , 37, 04020100	5.3	10
29	Deep Recurrent Neural Networks for Audio Classification in Construction Sites 2021 ,		6
28	Deep Belief Network based audio classification for construction sites monitoring. <i>Expert Systems With Applications</i> , 2021 , 177, 114839	7.8	8
27	Simplified schema queries for supporting BIM-based rule-checking applications. <i>Automation in Construction</i> , 2020 , 117, 103248	9.6	7
26	Drug Use: Impact, Rules, Regulations and Mitigation Practices in the Construction Industry in the U.S. <i>Safety</i> , 2020 , 6, 32	1.7	
25	Advanced Sound Classifiers and Performance Analyses for Accurate Audio-Based Construction Project Monitoring. <i>Journal of Computing in Civil Engineering</i> , 2020 , 34, 04020030	5	13
24	Generation of Entity-Based Integrated Model View Definition Modules for the Development of New BIM Data Exchange Standards. <i>Journal of Computing in Civil Engineering</i> , 2020 , 34, 04020011	5	4
23	Evidence-driven sound detection for prenotification and identification of construction safety hazards and accidents. <i>Automation in Construction</i> , 2020 , 113, 103127	9.6	13
22	Automated Methods for Activity Recognition of Construction Workers and Equipment: State-of-the-Art Review. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 03120002	4.2	42
21	Data-Driven Reverse Engineering Algorithm Development Method for Developing Interoperable Quantity Takeoff Algorithms Using IFC-Based BIM. <i>Journal of Computing in Civil Engineering</i> , 2020 , 34, 04020036	5	6
20	Automated Generation of Daily Evacuation Paths in 4D BIM. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 17892.6	2.6	12
19	Automated BIM data validation integrating open-standard schema with visual programming language. <i>Advanced Engineering Informatics</i> , 2019 , 40, 14-28	7.4	19
18	A Hybrid Kinematic-Acoustic System for Automated Activity Detection of Construction Equipment. <i>Sensors</i> , 2019 , 19,	3.8	18
17	Construction Data-Driven Dynamic Sound Data Training and Hardware Requirements for Autonomous Audio-based Site Monitoring 2019 ,		2

16	Reusability and Its Limitations of the Modules of Existing BIM Data Exchange Requirements for New MVDs 2019 , 103-110		1
15	The Mechanism and Challenges of Validating a Building Information Model regarding data exchange standards. <i>Automation in Construction</i> , 2019 , 100, 118-128	9.6	25
14	Modularized BIM Data Validation Framework Integrating Visual Programming Language with LegalRuleML 2019 , 85-93		
13	Graphical Scripting Approach Integrated with Speech Recognition for BIM-Based Rule Checking 2018 ,		4
12	Logic for ensuring the data exchange integrity of building information models. <i>Automation in Construction</i> , 2018 , 85, 249-262	9.6	31
11	BIM-Based Construction Noise Hazard Prediction and Visualization for Occupational Safety and Health Awareness Improvement 2017 ,		2
10	Multiple representation approach to achieve high-performance spatial queries of 3D BIM data using a relational database. <i>Automation in Construction</i> , 2017 , 81, 369-388	9.6	25
9	A simplified relational database schema for transformation of BIM data into a query-efficient and spatially enabled database. <i>Automation in Construction</i> , 2017 , 84, 367-383	9.6	36
8	Sound Recognition Techniques for Multi-Layered Construction Activities and Events 2017 ,		7
7	Semantic web technologies in AEC industry: A literature overview. <i>Automation in Construction</i> , 2017 , 73, 145-165	9.6	163
6	Modularized rule-based validation of a BIM model pertaining to model views. <i>Automation in Construction</i> , 2016 , 63, 1-11	9.6	35
5	An ontology-based approach for developing data exchange requirements and model views of building information modeling. <i>Advanced Engineering Informatics</i> , 2016 , 30, 354-367	7.4	54
4	Validations for ensuring the interoperability of data exchange of a building information model. <i>Automation in Construction</i> , 2015 , 58, 176-195	9.6	48
3	Toward robust and quantifiable automated IFC quality validation. <i>Advanced Engineering Informatics</i> , 2015 , 29, 739-756	7.4	25
2	The Critical Role of Accessible Data for BIM-Based Automated Rule Checking Systems		9
1	Effects of flooding on pavement performance: a machine learning-based network-level assessment. <i>Sustainable and Resilient Infrastructure</i> , 1-20	3.3	1