Yong-Cheol Lee

List of Publications by Citations

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	Semantic web technologies in AEC industry: A literature overview. *Automation in Construction*, **2017**, 73, 145-165	9.6	163
32	An ontology-based approach for developing data exchange requirements and model views of building information modeling. *Advanced Engineering Informatics*, **2016**, 30, 354-367	7.4	54
31	Validations for ensuring the interoperability of data exchange of a building information model. *Automation in Construction*, **2015**, 58, 176-195	9.6	48
30	Automated Methods for Activity Recognition of Construction Workers and Equipment: State-of-the-Art Review. *Journal of Construction Engineering and Management - ASCE*, **2020**, 146, 03120002	4.2	42
29	A simplified relational database schema for transformation of BIM data into a query-efficient and spatially enabled database. *Automation in Construction*, **2017**, 84, 367-383	9.6	36
28	Modularized rule-based validation of a BIM model pertaining to model views. *Automation in Construction*, **2016**, 63, 1-11	9.6	35
27	Logic for ensuring the data exchange integrity of building information models. *Automation in Construction*, **2018**, 85, 249-262	9.6	31
26	Multiple representation approach to achieve high-performance spatial queries of 3D BIM data using a relational database. *Automation in Construction*, **2017**, 81, 369-388	9.6	25
25	Toward robust and quantifiable automated IFC quality validation. *Advanced Engineering Informatics*, **2015**, 29, 739-756	7.4	25
24	The Mechanism and Challenges of Validating a Building Information Model regarding data exchange standards. *Automation in Construction*, **2019**, 100, 118-128	9.6	25
23	Automated BIM data validation integrating open-standard schema with visual programming language. *Advanced Engineering Informatics*, **2019**, 40, 14-28	7.4	19
22	A Hybrid Kinematic-Acoustic System for Automated Activity Detection of Construction Equipment. *Sensors*, **2019**, 19,	3.8	18
21	Advanced Sound Classifiers and Performance Analyses for Accurate Audio-Based Construction Project Monitoring. *Journal of Computing in Civil Engineering*, **2020**, 34, 04020030	5	13
20	Evidence-driven sound detection for prenotification and identification of construction safety hazards and accidents. *Automation in Construction*, **2020**, 113, 103127	9.6	13
19	Automated Generation of Daily Evacuation Paths in 4D BIM. *Applied Sciences (Switzerland)*, **2019**, 9, 1789	2.6	12
18	Prioritizing Postdisaster Recovery of Transportation Infrastructure Systems Using Multiagent Reinforcement Learning. *Journal of Management in Engineering - ASCE*, **2021**, 37, 04020100	5.3	10
17	The Critical Role of Accessible Data for BIM-Based Automated Rule Checking Systems		9

LIST OF PUBLICATIONS

16	Deep Belief Network based audio classification for construction sites monitoring. *Expert Systems With Applications*, **2021**, 177, 114839	7.8	8
15	Simplified schema queries for supporting BIM-based rule-checking applications. *Automation in Construction*, **2020**, 117, 103248	9.6	7
14	Sound Recognition Techniques for Multi-Layered Construction Activities and Events **2017**,		7
13	A CNN Approach for Audio Classification in Construction Sites. *Smart Innovation, Systems and Technologies*, **2021**, 371-381	0.5	6
12	Data-Driven Reverse Engineering Algorithm Development Method for Developing Interoperable Quantity Takeoff Algorithms Using IFC-Based BIM. *Journal of Computing in Civil Engineering*, **2020**, 34, 04020036	5	6
11	Deep Recurrent Neural Networks for Audio Classification in Construction Sites **2021**,		6
10	Rules and validation processes for interoperable BIM data exchange. *Journal of Computational Design and Engineering*, **2021**, 8, 97-114	4.6	5
9	Generation of Entity-Based Integrated Model View Definition Modules for the Development of New BIM Data Exchange Standards. *Journal of Computing in Civil Engineering*, **2020**, 34, 04020011	5	4
8	Graphical Scripting Approach Integrated with Speech Recognition for BIM-Based Rule Checking **2018**,		4
7	BIM-Based Construction Noise Hazard Prediction and Visualization for Occupational Safety and Health Awareness Improvement **2017**,		2
6	Construction Data-Driven Dynamic Sound Data Training and Hardware Requirements for Autonomous Audio-based Site Monitoring **2019**,		2
5	Reusability and Its Limitations of the Modules of Existing BIM Data Exchange Requirements for New MVDs **2019**, 103-110		1
4	Effects of flooding on pavement performance: a machine learning-based network-level assessment. *Sustainable and Resilient Infrastructure*,1-20	3.3	1
3	Drug Use: Impact, Rules, Regulations and Mitigation Practices in the Construction Industry in the U.S. *Safety*, **2020**, 6, 32	1.7	
2	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. *Journal of Management in Engineering - ASCE*, **2021**, 37, 07021002	5.3	
1	Modularized BIM Data Validation Framework Integrating Visual Programming Language with LegalRuleML **2019**, 85-93		