Sanghoon Lee

List of Publications by Year
in descending order

22	494	1170033 9	1526636 10
papers	citations	h-index	g-index
22	22	22	447
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Generating second-level space boundaries from large-scale IFC-compliant building information models using multiple geometry representations. Automation in Construction, 2021, 126, 103659.	4.8	14
2	A rule-based system to automatically validate IFC second-level space boundaries for building energy analysis. Automation in Construction, 2021, 127, 103724.	4.8	13
3	Automatic Detection of Geometric Errors in Space Boundaries of IFC-BIM Models Using Monte Carlo Ray Tracing Approach. Journal of Computing in Civil Engineering, 2020, 34, .	2.5	8
4	An algorithm to facet curved walls in IFC BIM for building energy analysis. Automation in Construction, 2019, 103, 80-103.	4.8	15
5	Semantic Enrichment of As-is BIMs for Building Energy Simulation. , 2019, , 733-740.		1
6	Image-driven fuzzy-based system to construct as-is IFC BIM objects. Automation in Construction, 2018, 92, 68-87.	4.8	49
7	Activity theory-based analysis of BIM implementation in building O&M and first response. Automation in Construction, 2018, 85, 317-332.	4.8	70
8	A Framework for Constructing Semantic As-is Building Energy Models (BEMs) for Existing Buildings Using Digital Images. , 2018, , .		2
9	Image-Based Technologies for Constructing As-Is Building Information Models for Existing Buildings. Journal of Computing in Civil Engineering, 2017, 31, .	2.5	97
10	A Semi-Automatic Approach to Detect Structural Components from CAD Drawings for Constructing As-Is BIM Objects. , 2017, , .		6
11	A Framework for Rule-Based Validation of IFC Space Boundaries for Building Energy Analysis. , 2017, , .		2
12	Framework of the Virtual Construction Simulator 3 for Construction Planning and Management Education. Journal of Computing in Civil Engineering, 2015, 29, 05014008.	2.5	11
13	An Integrative Process for Advanced Energy Retrofit Projects. , 2014, , .		6
14	Visualization in 4D Construction Management Software: A Review of Standards and Guidelines. , 2014, , .		9
15	Process-Based Information Exchanges Mapping for Energy-Efficient Retrofit Projects. , 2013, , .		0
16	Integrating BIMserver and OpenStudio for Energy Efficient Building. , 2013, , .		9
17	Development of a Process Model to Support Integrated Design for Energy Efficient Buildings. , 2012, , .		12
18	A Practical Fog Detection and Dissipating System for the Preventing Fog Hazards of the Long-Span Bridge. , 2012, , .		0

#	Article	IF	Citations
19	Augmented reality-based computational fieldwork support for equipment operations and maintenance. Automation in Construction, 2011, 20, 338-352.	4.8	124
20	The Development of the Virtual Construction Simulator 3: An Interactive Simulation Environment for Construction Management Education. , 2011, , .		6
21	Unbalanced Application of Wind Stabilizing Cables for the Free Cantilevered Construction of a Cable-Stayed Bridge. IABSE Symposium Report, 2010, , .	0.0	0
22	Shadowing tradespeople: Inefficiency in maintenance fieldwork. Automation in Construction, 2009, 18, 536-546.	4.8	40