Wawan Solihin

List of Publications by Year in Descending Order

16 papers	425 citations	11 h-index	18 g-index
18 ext. papers	547 ext. citations	7.4 avg, IF	4.29 L-index

#	Paper	IF	Citations
16	Rules and validation processes for interoperable BIM data exchange. *Journal of Computational Design and Engineering*, **2021**, 8, 97-114	4.6	5
15	Simplified schema queries for supporting BIM-based rule-checking applications. *Automation in Construction*, **2020**, 117, 103248	9.6	7
14	Automated BIM data validation integrating open-standard schema with visual programming language. *Advanced Engineering Informatics*, **2019**, 40, 14-28	7.4	19
13	In Search of Open and Practical Language-Driven BIM-Based Automated Rule Checking Systems **2019**, 577-584		3
12	The Mechanism and Challenges of Validating a Building Information Model regarding data exchange standards. *Automation in Construction*, **2019**, 100, 118-128	9.6	25
11	Modularized BIM Data Validation Framework Integrating Visual Programming Language with LegalRuleML **2019**, 85-93		
10	Using IFC to Support Enclosure Fire Dynamics Simulation. *Lecture Notes in Computer Science*, **2018**, 339-360	0.9	2
9	Logic for ensuring the data exchange integrity of building information models. *Automation in Construction*, **2018**, 85, 249-262	9.6	31
8	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
7	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
6	A framework for fully integrated building information models in a federated environment. *Advanced Engineering Informatics*, **2016**, 30, 168-189	7.4	23
5	Modularized rule-based validation of a BIM model pertaining to model views. *Automation in Construction*, **2016**, 63, 1-11	9.6	35
4	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
3	Classification of rules for automated BIM rule checking development. *Automation in Construction*, **2015**, 53, 69-82	9.6	116
2	Toward robust and quantifiable automated IFC quality validation. *Advanced Engineering Informatics*, **2015**, 29, 739-756	7.4	25
1	Mapping of industry building product model for detailed thermal simulation and analysis. *Advances in Engineering Software*, **2006**, 37, 133-145	3.6	11