Wawan Solihin

List of Publications by Citations

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	Classification of rules for automated BIM rule checking development. *Automation in Construction*, **2015**, 53, 69-82	9.6	116
15	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
14	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
13	Modularized rule-based validation of a BIM model pertaining to model views. *Automation in Construction*, **2016**, 63, 1-11	9.6	35
12	Logic for ensuring the data exchange integrity of building information models. *Automation in Construction*, **2018**, 85, 249-262	9.6	31
11	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
10	Toward robust and quantifiable automated IFC quality validation. *Advanced Engineering Informatics*, **2015**, 29, 739-756	7.4	25
9	The Mechanism and Challenges of Validating a Building Information Model regarding data exchange standards. *Automation in Construction*, **2019**, 100, 118-128	9.6	25
8	A framework for fully integrated building information models in a federated environment. *Advanced Engineering Informatics*, **2016**, 30, 168-189	7.4	23
7	Automated BIM data validation integrating open-standard schema with visual programming language. *Advanced Engineering Informatics*, **2019**, 40, 14-28	7.4	19
6	Mapping of industry building product model for detailed thermal simulation and analysis. *Advances in Engineering Software*, **2006**, 37, 133-145	3.6	11
5	Simplified schema queries for supporting BIM-based rule-checking applications. *Automation in Construction*, **2020**, 117, 103248	9.6	7
4	Rules and validation processes for interoperable BIM data exchange. *Journal of Computational Design and Engineering*, **2021**, 8, 97-114	4.6	5
3	In Search of Open and Practical Language-Driven BIM-Based Automated Rule Checking Systems **2019**, 577-584		3
2	Using IFC to Support Enclosure Fire Dynamics Simulation. *Lecture Notes in Computer Science*, **2018**, 339-360	6.0	2
1	Modularized BIM Data Validation Framework Integrating Visual Programming Language with LegalRuleML **2019**, 85-93		