

Jiansong Zhang

List of Publications by Citations

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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.

45
papers

470^o
citations

9
h-index

20
g-index

75
ext. papers

737
ext. citations

5
avg, IF

4.82
L-index

#	Paper	IF	Citations
45	Semantic NLP-Based Information Extraction from Construction Regulatory Documents for Automated Compliance Checking. <i>Journal of Computing in Civil Engineering</i> , 2016 , 30, 04015014	5	108
44	Integrating semantic NLP and logic reasoning into a unified system for fully-automated code checking. <i>Automation in Construction</i> , 2017 , 73, 45-57	9.6	72
43	Automated Information Transformation for Automated Regulatory Compliance Checking in Construction. <i>Journal of Computing in Civil Engineering</i> , 2015 , 29,	5	55
42	Extending Building Information Models Semiautomatically Using Semantic Natural Language Processing Techniques. <i>Journal of Computing in Civil Engineering</i> , 2016 , 30,	5	37
41	New Automated BIM Object Classification Method to Support BIM Interoperability. <i>Journal of Computing in Civil Engineering</i> , 2019 , 33, 04019033	5	28
40	Electrical load prediction of healthcare buildings through single and ensemble learning. <i>Energy Reports</i> , 2020 , 6, 2751-2767	4.6	19
39	Semantic-Based Logic Representation and Reasoning for Automated Regulatory Compliance Checking. <i>Journal of Computing in Civil Engineering</i> , 2017 , 31, 04016037	5	16
38	Preparation and Evaluation of Exhaust-Purifying Cement Concrete Employing Titanium Dioxide. <i>Materials</i> , 2019 , 12,	3.5	13
37	Preparation and properties of novel superabsorbent polymer (SAP) composites for cementitious materials based on modified metakaolin. <i>Construction and Building Materials</i> , 2020 , 258, 119575	6.7	10
36	Invariant Signatures of Architecture, Engineering, and Construction Objects to Support BIM Interoperability between Architectural Design and Structural Analysis. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04020148	4.2	9
35	Semantic N-Gram Feature Analysis and Machine Learning-Based Classification of Drivers' Hazardous Actions at Signal-Controlled Intersections. <i>Journal of Computing in Civil Engineering</i> , 2020 , 34, 04020015	5	8
34	Automated Regulatory Information Extraction from Building Codes : Leveraging Syntactic and Semantic Information 2012 ,		8
33	Automated BIM Object Classification to Support BIM Interoperability 2018 ,		7
32	Building Codes Part-of-Speech Tagging Performance Improvement by Error-Driven Transformational Rules. <i>Journal of Computing in Civil Engineering</i> , 2020 , 34, 04020035	5	7
31	Model Information Checking to Support Interoperable BIM Usage in Structural Analysis 2019 ,		6
30	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
29	Towards Systematic Understanding of Geometric Representations in BIM Standard: An Empirical Data-Driven Approach 2018 ,		5

28	Design information extraction from construction specifications to support cost estimation. <i>Automation in Construction</i> , 2021 , 131, 103835	9.6	5
27	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
26	BIM Interoperability for Structure Analysis 2018 ,		4
25	A logic-based representation and tree-based visualization method for building regulatory requirements. <i>Visualization in Engineering</i> , 2017 , 5,	3	4
24	Part-of-speech tagging of building codes empowered by deep learning and transformational rules. <i>Advanced Engineering Informatics</i> , 2021 , 47, 101235	7.4	4
23	Automated Hazardous Action Classification Using Natural Language Processing and Machine-Learning Techniques 2016 ,		3
22	Automated Wood Construction Cost Estimation 2017 ,		2
21	Introducing Geometric Signatures of Architecture, Engineering, and Construction Objects and a New BIM Dataset 2019 ,		2
20	Building Accessibility Code Compliance Verification Using Game Simulations in Virtual Reality 2017 ,		2
19	Extending Building Information Models Semi-Automatically Using Semantic Natural Language Processing Techniques 2014 ,		2
18	On Intelligent Fire Drawings Review Based on Building Information Modeling and Knowledge Graph 2020 ,		2
17	An Automated Relationship Classification to Support Semi-Automated IFC Extension 2016 ,		2
16	Logic representation and reasoning for automated BIM analysis to support automation in offsite construction. <i>Automation in Construction</i> , 2021 , 129, 103756	9.6	2
15	An Ontology to Support the Move towards Sustainable Construction in Saudi Arabia 2017 ,		1
14	Maintainability Assessment of Light Design Using Game Simulation, Virtual Reality, and Brain Sensing Technologies 2018 ,		1
13	Named entity recognition for Chinese construction documents based on conditional random field. <i>Frontiers of Engineering Management</i> ,1	2.7	1
12	Infrastructure assessment post-disaster: Remotely sensing bridge structural damage by unmanned aerial vehicle in low-light conditions. <i>Journal of Emergency Management</i> , 2020 , 18, 27-41	0.7	1
11	Evaluation of Seven Part-of-Speech Taggers in Tagging Building Codes: Identifying the Best Performing Tagger and Common Sources of Errors 2020 ,		1

10	An Automated Grading Method for Activity-on-Node Calculations to Support Construction Management Education 2020 ,		1
9	Global Building Information Modeling Maturity 2019 ,		1
8	A New Framework to Address BIM Interoperability in the AEC Domain from Technical and Process Dimensions. <i>Advances in Civil Engineering</i> , 2021 , 2021, 1-17	1.3	1
7	Semantic Rule-Based Construction Procedural Information Extraction to Guide Jobsite Sensing and Monitoring. <i>Journal of Computing in Civil Engineering</i> , 2021 , 35, 04021026	5	1
6	Erratum for Building Codes Part-of-Speech Tagging Performance Improvement by Error-Driven Transformational Rules by Xiaorui Xue and Jiansong Zhang. <i>Journal of Computing in Civil Engineering</i> , 2021 , 35, 08220002	5	0
5	New Automated Activity-on-Node Calculation Grading Method for Construction Management Education Innovation. <i>Journal of Civil Engineering Education</i> , 2021 , 147, 04021004	1.1	0
4	Energy Benchmarking in Healthcare Facilities: A Comparative Study. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04021159	4.2	0
3	BIM-based simulation of construction robotics in the assembly process of wood frames. <i>Automation in Construction</i> , 2022 , 137, 104194	9.6	0
2	Regulatory information transformation ruleset expansion to support automated building code compliance checking. <i>Automation in Construction</i> , 2022 , 138, 104230	9.6	0
1	Case Study of Building Information Modeling Implementation in Infrastructure Projects. <i>Transportation Research Record</i> , 036119812110450	1.7	