Raja Raymond Issa

List of Publications by Year
in descending order

52 papers	955 citations	623188 14 h-index	476904 29 g-index
54 all docs	54 docs citations	54 times ranked	748 citing authors

#	Article	IF	Citations
1	Building Information Modeling in Support of Sustainable Design and Construction. Journal of Construction Engineering and Management - ASCE, 2013, 139, 24-34.	2.0	195
2	BIM Execution Planning in Green Building Projects: LEED as a Use Case. Journal of Management in Engineering - ASCE, 2015, 31, .	2.6	97
3	Ontology-Based Partial Building Information Model Extraction. Journal of Computing in Civil Engineering, 2013, 27, 576-584.	2.5	69
4	Framework for Evaluating the BIM Competencies of Facility Owners. Journal of Management in Engineering - ASCE, 2016, 32, .	2.6	69
5	Guidelines for Using Building Information Modeling for Energy Analysis of Buildings. Buildings, 2015, 5, 1361-1388.	1.4	49
6	Survey: Common Knowledge in BIM for Facility Maintenance. Journal of Performance of Constructed Facilities, 2016, 30, .	1.0	48
7	Nongeometric Building Information Needs Assessment for Facilities Management. Journal of Management in Engineering - ASCE, 2016, 32, .	2.6	45
8	Work-Life Balance and Organizational Commitment of Women in the U.S. Construction Industry. Journal of Professional Issues in Engineering Education and Practice, 2013, 139, 87-98.	0.9	43
9	Factors Influencing Adoption and Integration of Construction Robotics and Automation Technology in the US. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	2.0	43
10	Using augmented reality video in enhancing masonry and roof component comprehension for construction management students. Engineering, Construction and Architectural Management, 2016, 23, 765-781.	1.8	39
11	BIM for Improved Project Communication Networks: Empirical Evidence from Email Logs. Journal of Computing in Civil Engineering, 2020, 34, .	2.5	31
12	Smart Building Energy Management Systems (BEMS) simulation conceptual framework. , 2016, , .		27
13	Building Information Modeling Body of Knowledge. I: Background, Framework, and Initial Development. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	2.0	24
14	NLP-Based Query-Answering System for Information Extraction from Building Information Models. Journal of Computing in Civil Engineering, 2022, 36, .	2.5	17
15	Building Information Modeling Body of Knowledge. II: Consensus Building and Use Cases. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	2.0	16
16	BIMASR: Framework for Voice-Based BIM Information Retrieval. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	2.0	15
17	Big Data Analysis for Monitoring of Kick Formation in Complex Underwater Drilling Projects. Journal of Computing in Civil Engineering, 2018, 32, .	2.5	13
18	Interactive Holograms for Construction Coordination and Quantification. Journal of Management in Engineering - ASCE, 2020, 36, .	2.6	13

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19	BIM for Facilities Management: Potential Legal Issues and Opportunities. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2021, 13, .	0.9	9
20	Exploration of burnout in early-career construction management professionals in the USA. Engineering, Construction and Architectural Management, 2023, 30, 1061-1079.	1.8	9
21	An Immersive Approach to Construction Cost Estimating. , 2019, , .		8
22	Feasibility Assessment of Unmanned Aircraft Systems for Construction Management Applications. , 2016, , .		7
23	Environmental Performance and Economic Analysis of Different Glazingâ€"Sunshade Systems Using Simulation Tools. Journal of Computing in Civil Engineering, 2016, 30, .	2.5	7
24	Improved System for Modeling and Simulating Stadium Evacuation Plans. Journal of Computing in Civil Engineering, 2017, 31, .	2.5	7
25	Use of video games to enhance construction management education. International Journal of Construction Management, 2019, 19, 206-221.	2.2	7
26	Location Optimization with Uncertainty for Industrial Project Using Discrete Block Model and Spatial Meshing Algorithm. Journal of Computing in Civil Engineering, 2019, 33, 04018064.	2.5	6
27	Developing Construction Information Systems Courses Based on Collaboration between Industry and Academia. Journal of Architectural Engineering, 2021, 27, .	0.8	6
28	Implementation of Augmented Reality Throughout the Lifecycle of Construction Projects. , 2019, , 307-313.		6
29	Analysis tools for stormwater controls on construction sites. , 2016, , .		4
30	The Need for Taxonomies in the Ontological Approach for Interoperability of Heterogeneous Information Models. , 2017, , .		3
31	Use of Augmented Reality Technology to Enhance Comprehension of Steel Structure Construction. , 0, , .		3
32	A GIS-based Visual Information Model for Buildng Construction Project Management. International Journal of Construction Management, 2013, 13, 1-18.	2.2	2
33	Business Value of Augmented Reality in the Construction Industry. , 2018, , .		2
34	Interactive Holograms for Better Construction Information Communication. , 2019, , .		2
35	Advanced Construction Information Modeling: Technology Integration and Education. Lecture Notes in Computer Science, 2018, , 311-335.	1.0	2
36	Visualizing Construction Projects Using Holography. , 2018, , .		1

#	Article	IF	Citations
37	BIM-GIS Integration in HoloLens. Lecture Notes in Civil Engineering, 2021, , 1187-1199.	0.3	1
38	Advanced BIM Platform Based on the Spoken Dialogue for End-User. Lecture Notes in Civil Engineering, 2021, , 123-132.	0.3	1
39	Drone-Related Deployment Limitations in Construction: A Research Roadmap. , 2022, , .		1
40	Named Entity Recognition Algorithm for iBISDS Using Neural Network. , 2022, , .		1
41	A Data Tracking Tool to Improve Cost Management Reporting for Large Capital Projects. , 2022, , .		1
42	Visualization of Cost Funding Sources in Building Information Models. , 2022, , .		1
43	Artificial-Neural-Network-Based Model for Predicting Heating and Cooling Loads on Residential Buildings. , 2022, , .		1
44	Query Answering System for Building Information Modeling Using BERT NN Algorithm and NLG. , 2022, , .		1
45	Special Issue on 2012 International Conference on Computing in Civil Engineering. Journal of Computing in Civil Engineering, 2014, 28, .	2.5	0
46	Development of an Immersive Game for Human Behavior Data Collection. , 2016, , .		0
47	3D Simulation-Based Pre-Occupancy Evaluation. , 2018, , .		0
48	Improving Point Cloud Accuracy Using a Customized Unmanned Aerial System with a Dual-Frequency GNSS and Post-Processing Kinematic Technology. , 2022, , .		0
49	Working with Drones: Design and Development of a Virtual Reality Safety Training Environment for Construction Workers. , 2022, , .		0
50	Development of a VR-Based Drone-Mediated Building Inspection Training Environment. , 2022, , .		0
51	Using Mixed Reality in Online Learning Environments. , 2022, , .		0
52	Room Data Sheets for Architectural Programming. , 2022, , .		0