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List of Publications by Year
in descending order

26 papers	1,094 citations	430874 18 h-index	642732 23 g-index
26 all docs	26 docs citations	26 times ranked	683 citing authors

#	Article	IF	Citations
1	Digital twin and its implementations in the civil engineering sector. Automation in Construction, 2021, 130, 103838.	9.8	171
2	Knowledge graph for identifying hazards on construction sites: Integrating computer vision with ontology. Automation in Construction, 2020, 119, 103310.	9.8	102
3	SeeBridge as next generation bridge inspection: Overview, Information Delivery Manual and Model View Definition. Automation in Construction, 2018, 90, 134-145.	9.8	88
4	Semantic Enrichment for Building Information Modeling: Procedure for Compiling Inference Rules and Operators for Complex Geometry. Journal of Computing in Civil Engineering, 2017, 31, .	4.7	81
5	Exploratory literature review of blockchain in the construction industry. Automation in Construction, 2021, 132, 103914.	9.8	68
6	An improved text mining approach to extract safety risk factors from construction accident reports. Safety Science, 2021, 138, 105216.	4.9	62
7	A Framework for BIM-Enabled Life-Cycle Information Management of Construction Project. International Journal of Advanced Robotic Systems, 2014, 11, 126.	2.1	57
8	Integrating BIM with building performance analysis in project life-cycle. Automation in Construction, 2019, 106, 102861.	9.8	57
9	Towards generation of as-damaged BIM models using laser-scanning and as-built BIM: First estimate of as-damaged locations of reinforced concrete frame members in masonry infill structures. Advanced Engineering Informatics, 2016, 30, 312-326.	8.0	52
10	3D Object Classification Using Geometric Features and Pairwise Relationships. Computer-Aided Civil and Infrastructure Engineering, 2018, 33, 152-164.	9.8	49
11	Non-linear description of ground settlement over twin tunnels in soil. Tunnelling and Underground Space Technology, 2014, 42, 144-151.	6.2	45
12	Extracting Domain Knowledge Elements of Construction Safety Management: Rule-Based Approach Using Chinese Natural Language Processing. Journal of Management in Engineering - ASCE, 2021, 37, .	4.8	34
13	Digital twin enabled sustainable urban road planning. Sustainable Cities and Society, 2022, 78, 103645.	10.4	31
14	Information modeling of earthquake-damaged reinforced concrete structures. Advanced Engineering Informatics, 2015, 29, 396-407.	8.0	28
15	Knowledge, Attitudes, and Practices Toward COVID-19 Among Construction Industry Practitioners in China. Frontiers in Public Health, 2020, 8, 599769.	2.7	28
16	Wavelet Analysis for tunneling-induced ground settlement based on a stochastic model. Tunnelling and Underground Space Technology, 2011, 26, 619-628.	6.2	27
17	Building digital twins of existing highways using map data based on engineering expertise. Automation in Construction, 2022, 134, 104081.	9.8	24
18	Preparation of Synthetic As-Damaged Models for Post-Earthquake BIM Reconstruction Research. Journal of Computing in Civil Engineering, 2016, 30, .	4.7	21

#	ARTICLE	IF	CITATIONS
19	Safety risk analysis based on a geotechnical instrumentation data warehouse in metro tunnel project. Automation in Construction, 2013, 34, 75-84.	9.8	20
20	Wavelet prediction method for ground deformation induced by tunneling. Tunnelling and Underground Space Technology, 2014, 41, 137-151.	6.2	15
21	Evaluating Social Housing Retrofit Options to Support Clientsâ€™ Decision Makingâ€"SIMPLER BIM Protocol. Sustainability, 2019, 11, 2507.	3.2	9
22	An Automated System for Projection of Interior Construction Layouts. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1825-1835.	5.2	9
23	A Hybrid Approach for Dynamic Simulation of Safety Risks in Mega Construction Projects. Advances in Civil Engineering, 2020, 2020, 1-12.	0.7	5
24	Building Model Object Classification for Semantic Enrichment Using Geometric Features and Pairwise Spatial Relationships. , 0, , .		5
25	Exploring Virtual Reality in Construction, Visualization and Building Performance Analysis. , 2018, , .		4
26	Transforming Data into Decision Making: A Spotlight Review of Construction Digital Twin. , 2021, , .		2