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List of Publications by Year
in descending order

26 papers	1,094 citations	430442 18 h-index	642321 23 g-index
26 all docs	26 docs citations	26 times ranked	683 citing authors

#	Article	IF	Citations
1	Building digital twins of existing highways using map data based on engineering expertise. Automation in Construction, 2022, 134, 104081.	4.8	24
2	Digital twin enabled sustainable urban road planning. Sustainable Cities and Society, 2022, 78, 103645.	5.1	31
3	Extracting Domain Knowledge Elements of Construction Safety Management: Rule-Based Approach Using Chinese Natural Language Processing. Journal of Management in Engineering - ASCE, 2021, 37, .	2.6	34
4	An improved text mining approach to extract safety risk factors from construction accident reports. Safety Science, 2021, 138, 105216.	2.6	62
5	Digital twin and its implementations in the civil engineering sector. Automation in Construction, 2021, 130, 103838.	4.8	171
6	Exploratory literature review of blockchain in the construction industry. Automation in Construction, 2021, 132, 103914.	4.8	68
7	Transforming Data into Decision Making: A Spotlight Review of Construction Digital Twin. , 2021, , .		2
8	A Hybrid Approach for Dynamic Simulation of Safety Risks in Mega Construction Projects. Advances in Civil Engineering, 2020, 2020, 1-12.	0.4	5
9	Knowledge graph for identifying hazards on construction sites: Integrating computer vision with ontology. Automation in Construction, 2020, 119, 103310.	4.8	102
10	Knowledge, Attitudes, and Practices Toward COVID-19 Among Construction Industry Practitioners in China. Frontiers in Public Health, 2020, 8, 599769.	1.3	28
11	Evaluating Social Housing Retrofit Options to Support Clients' Decision Making—SIMPLER BIM Protocol. Sustainability, 2019, 11, 2507.	1.6	9
12	Integrating BIM with building performance analysis in project life-cycle. Automation in Construction, 2019, 106, 102861.	4.8	57
13	An Automated System for Projection of Interior Construction Layouts. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1825-1835.	3.4	9
14	SeeBridge as next generation bridge inspection: Overview, Information Delivery Manual and Model View Definition. Automation in Construction, 2018, 90, 134-145.	4.8	88
15	3D Object Classification Using Geometric Features and Pairwise Relationships. Computer-Aided Civil and Infrastructure Engineering, 2018, 33, 152-164.	6.3	49
16	Exploring Virtual Reality in Construction, Visualization and Building Performance Analysis. , 2018, , .		4
17	Semantic Enrichment for Building Information Modeling: Procedure for Compiling Inference Rules and Operators for Complex Geometry. Journal of Computing in Civil Engineering, 2017, 31, .	2.5	81
18	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.	4.0	52

#	Article	IF	Citations
19	Preparation of Synthetic As-Damaged Models for Post-Earthquake BIM Reconstruction Research. Journal of Computing in Civil Engineering, 2016, 30, .	2.5	21
20	Information modeling of earthquake-damaged reinforced concrete structures. Advanced Engineering Informatics, 2015, 29, 396-407.	4.0	28
21	Non-linear description of ground settlement over twin tunnels in soil. Tunnelling and Underground Space Technology, 2014, 42, 144-151.	3.0	45
22	Wavelet prediction method for ground deformation induced by tunneling. Tunnelling and Underground Space Technology, 2014, 41, 137-151.	3.0	15
23	A Framework for BIM-Enabled Life-Cycle Information Management of Construction Project. International Journal of Advanced Robotic Systems, 2014, 11, 126.	1.3	57
24	Safety risk analysis based on a geotechnical instrumentation data warehouse in metro tunnel project. Automation in Construction, 2013, 34, 75-84.	4.8	20
25	Wavelet Analysis for tunneling-induced ground settlement based on a stochastic model. Tunnelling and Underground Space Technology, 2011, 26, 619-628.	3.0	27
26	Building Model Object Classification for Semantic Enrichment Using Geometric Features and Pairwise Spatial Relationships. , 0, , .		5