

# Xiangyu Wang

## List of Publications by Year in descending order

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348  
papers

14,046  
citations

16411

64  
h-index

29081

104  
g-index

359  
all docs

359  
docs citations

359  
times ranked

8797  
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical review of virtual and augmented reality (VR/AR) applications in construction safety. Automation in Construction, 2018, 86, 150-162.	4.8	606
2	A critical review of the use of 3-D printing in the construction industry. Automation in Construction, 2016, 68, 21-31.	4.8	592
3	A theoretical framework of a BIM-based multi-disciplinary collaboration platform. Automation in Construction, 2011, 20, 134-144.	4.8	439
4	A Critical Review of the Use of Virtual Reality in Construction Engineering Education and Training. International Journal of Environmental Research and Public Health, 2018, 15, 1204.	1.2	395
5	Research trends and opportunities of augmented reality applications in architecture, engineering, and construction. Automation in Construction, 2013, 33, 116-122.	4.8	305
6	A framework for proactive construction defect management using BIM, augmented reality and ontology-based data collection template. Automation in Construction, 2013, 33, 61-71.	4.8	257
7	A mixed review of the adoption of Building Information Modelling (BIM) for sustainability. Journal of Cleaner Production, 2017, 142, 4114-4126.	4.6	257
8	A State-of-the-Art Review on the Integration of Building Information Modeling (BIM) and Geographic Information System (GIS). ISPRS International Journal of Geo-Information, 2017, 6, 53.	1.4	248
9	The outlook of blockchain technology for construction engineering management. Frontiers of Engineering Management, 2017, 4, 67.	3.3	244
10	An Fe-doped nickel selenide nanorod/nanosheet hierarchical array for efficient overall water splitting. Journal of Materials Chemistry A, 2019, 7, 2233-2241.	5.2	215
11	Mapping the knowledge domains of Building Information Modeling (BIM): A bibliometric approach. Automation in Construction, 2017, 84, 195-206.	4.8	209
12	Augmented Reality in built environment: Classification and implications for future research. Automation in Construction, 2013, 32, 1-13.	4.8	205
13	A conceptual framework for integrating building information modeling with augmented reality. Automation in Construction, 2013, 34, 37-44.	4.8	187
14	Distributed Active Anti-Disturbance Consensus for Leader-Follower Higher-Order Multi-Agent Systems With Mismatched Disturbances. IEEE Transactions on Automatic Control, 2017, 62, 5795-5801.	3.6	181
15	Integrating Augmented Reality with Building Information Modeling: Onsite construction process controlling for liquefied natural gas industry. Automation in Construction, 2014, 40, 96-105.	4.8	178
16	Jointly dampening traffic oscillations and improving energy consumption with electric, connected and automated vehicles: A reinforcement learning based approach. Applied Energy, 2020, 257, 114030.	5.1	177
17	Using Animated Augmented Reality to Cognitively Guide Assembly. Journal of Computing in Civil Engineering, 2013, 27, 439-451.	2.5	172
18	Computer Vision Techniques in Construction: A Critical Review. Archives of Computational Methods in Engineering, 2021, 28, 3383-3397.	6.0	170

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19	Cost analysis for sustainable off-site construction based on a multiple-case study in China. <i>Habitat International</i> , 2016, 57, 215-222.	2.3	156
20	Trends and Opportunities of BIM-GIS Integration in the Architecture, Engineering and Construction Industry: A Review from a Spatio-Temporal Statistical Perspective. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 397.	1.4	145
21	Integration of BIM and GIS: Geometry from IFC to shapefile using open-source technology. <i>Automation in Construction</i> , 2019, 102, 105-119.	4.8	139
22	An overview of corrosion defect characterization using active infrared thermography. <i>Infrared Physics and Technology</i> , 2019, 96, 366-389.	1.3	132
23	A novel differential search algorithm and applications for structure design. <i>Applied Mathematics and Computation</i> , 2015, 268, 246-269.	1.4	130
24	A Critical Review of the Integration of Geographic Information System and Building Information Modelling at the Data Level. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 66.	1.4	119
25	Integrated Supplier Selection Framework in a Resilient Construction Supply Chain: An Approach via Analytic Hierarchy Process (AHP) and Grey Relational Analysis (GRA). <i>Sustainability</i> , 2017, 9, 289.	1.6	118
26	Engagement of Facilities Management in Design Stage through BIM: Framework and a Case Study. <i>Advances in Civil Engineering</i> , 2013, 2013, 1-8.	0.4	115
27	Differential received signal strength based RFID positioning for construction equipment tracking. <i>Advanced Engineering Informatics</i> , 2019, 42, 100960.	4.0	114
28	Sustainability perceptions of off-site manufacturing stakeholders in Australia. <i>Journal of Cleaner Production</i> , 2019, 227, 346-354.	4.6	114
29	Determining the Probability of Project Cost Overruns. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013, 139, 321-330.	2.0	112
30	Using Augmented Reality to Facilitate Piping Assembly: An Experiment-Based Evaluation. <i>Journal of Computing in Civil Engineering</i> , 2015, 29, .	2.5	112
31	Estimating the environmental costs and benefits of demolition waste using life cycle assessment and willingness-to-pay: A case study in Shenzhen. <i>Journal of Cleaner Production</i> , 2018, 172, 14-26.	4.6	109
32	Comparative Analysis on the Adoption and Use of BIM in Road Infrastructure Projects. <i>Journal of Management in Engineering - ASCE</i> , 2016, 32, .	2.6	106
33	Integrating BIM and LiDAR for Real-Time Construction Quality Control. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2015, 79, 417-432.	2.0	105
34	A review of methods and algorithms for optimizing construction scheduling. <i>Journal of the Operational Research Society</i> , 2013, 64, 1091-1105.	2.1	104
35	A Comparative Review of Building Information Modelling Implementation in Building and Infrastructure Industries. <i>Archives of Computational Methods in Engineering</i> , 2015, 22, 291-308.	6.0	103
36	Development of an early-warning system for site work in hot and humid environments: A case study. <i>Automation in Construction</i> , 2016, 62, 101-113.	4.8	102

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37	Integration of BIM and GIS: IFC geometry transformation to shapefile using enhanced open-source approach. Automation in Construction, 2019, 106, 102859.	4.8	100
38	Literature Review of Digital Twins Applications in Construction Workforce Safety. Applied Sciences (Switzerland), 2021, 11, 339.	1.3	100
39	An exact penalty function-based differential search algorithm for constrained global optimization. Soft Computing, 2016, 20, 1305-1313.	2.1	99
40	Critical review of data-driven decision-making in bridge operation and maintenance. Structure and Infrastructure Engineering, 2022, 18, 47-70.	2.0	99
41	Compatibility issues in Augmented Reality systems for AEC: An experimental prototype study. Automation in Construction, 2006, 15, 314-326.	4.8	98
42	A BIM-based approach for automated tower crane layout planning. Automation in Construction, 2015, 59, 168-178.	4.8	98
43	Hamiltonian analysis of a hydro-energy generation system in the transient of sudden load increasing. Applied Energy, 2017, 185, 244-253.	5.1	98
44	A study on the benefits of augmented reality in retaining working memory in assembly tasks: A focus on differences in gender. Automation in Construction, 2013, 32, 38-45.	4.8	93
45	Analysis of stakeholder relationships in the industry chain of industrialized building in China. Journal of Cleaner Production, 2017, 152, 387-398.	4.6	92
46	Critical Review of Social Network Analysis Applications in Complex Project Management. Journal of Management in Engineering - ASCE, 2018, 34, .	2.6	92
47	Building information modeling-based integration of MEP layout designs and constructability. Automation in Construction, 2016, 61, 134-146.	4.8	85
48	A linked data system framework for sharing construction defect information using ontologies and BIM environments. Automation in Construction, 2016, 68, 102-113.	4.8	84
49	Optimization of electric bus scheduling considering stochastic volatilities in trip travel time and energy consumption. Computer-Aided Civil and Infrastructure Engineering, 2021, 36, 1530-1548.	6.3	82
50	Augmented Reality in Architecture and Design: Potentials and Challenges for Application. International Journal of Architectural Computing, 2009, 7, 309-326.	0.9	80
51	A cross-sector review on the use of value stream mapping. International Journal of Production Research, 2017, 55, 3906-3928.	4.9	80
52	Dynamic modeling and dynamical analysis of pump-turbines in S-shaped regions during runaway operation. Energy Conversion and Management, 2017, 138, 375-382.	4.4	79
53	A decade review of the credits obtained by LEED v2.2 certified green building projects. Building and Environment, 2016, 102, 167-178.	3.0	78
54	Automatically Processing IFC Clipping Representation for BIM and GIS Integration at the Process Level. Applied Sciences (Switzerland), 2020, 10, 2009.	1.3	78

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55	A BIM-based approach for predicting corrosion under insulation. Automation in Construction, 2019, 107, 102923.	4.8	77
56	Prediction of thermo-mechanical properties of rubber-modified recycled aggregate concrete. Construction and Building Materials, 2022, 318, 125970.	3.2	77
57	Using affective human-machine interface to increase the operation performance in virtual construction crane training system: A novel approach. Automation in Construction, 2011, 20, 289-298.	4.8	72
58	Binary artificial algae algorithm for multidimensional knapsack problems. Applied Soft Computing Journal, 2016, 43, 583-595.	4.1	71
59	The effect of graphite and slag on electrical and mechanical properties of electrically conductive cementitious composites. Construction and Building Materials, 2021, 281, 122606.	3.2	71
60	User perspectives on mixed reality tabletop visualization for face-to-face collaborative design review. Automation in Construction, 2008, 17, 399-412.	4.8	70
61	An explanatory case study on cloud computing applications in the built environment. Automation in Construction, 2014, 44, 152-162.	4.8	69
62	Decomposition-based multi-objective firefly algorithm for RFID network planning with uncertainty. Applied Soft Computing Journal, 2017, 55, 549-564.	4.1	69
63	Mixed Reality-Based Visualization Interfaces for Architecture, Engineering, and Construction Industry. Journal of Construction Engineering and Management - ASCE, 2005, 131, 1301-1309.	2.0	68
64	A Coexistence Model of IEEE 802.15.4 and IEEE 802.11b/g, , 2007, , .		68
65	Effectiveness of greenhouse-gas Emission Trading Schemes implementation: a review on legislations. Journal of Cleaner Production, 2016, 127, 49-58.	4.6	68
66	Mutual awareness in collaborative design: An Augmented Reality integrated telepresence system. Computers in Industry, 2014, 65, 314-324.	5.7	67
67	Ontological knowledge base for concrete bridge rehabilitation project management. Automation in Construction, 2021, 121, 103428.	4.8	67
68	Building information modelling-based framework to contrast conventional and modular construction methods through selected sustainability factors. Journal of Cleaner Production, 2019, 228, 1264-1281.	4.6	66
69	Comparative Effectiveness of Mixed Reality-Based Virtual Environments in Collaborative Design. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2011, 41, 284-296.	3.3	65
70	Electromagnetic absorption of copper fiber oriented composite using 3D printing. Construction and Building Materials, 2021, 300, 124026.	3.2	63
71	A genetic algorithm for unconstrained multi-objective optimization. Swarm and Evolutionary Computation, 2015, 22, 1-14.	4.5	62
72	Integrating BIM and augmented reality for interactive architectural visualisation. Construction Innovation, 2014, 14, 453-476.	1.5	61

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73	Time-varying system identification using variational mode decomposition. Structural Control and Health Monitoring, 2018, 25, e2175.	1.9	60
74	Understanding Stakeholders in Off-Site Manufacturing: A Literature Review. Journal of Construction Engineering and Management - ASCE, 2019, 145, .	2.0	56
75	A framework of innovative learning for skill development in complex operational tasks. Automation in Construction, 2017, 83, 29-40.	4.8	55
76	Are all cities with similar urban form or not? Redefining cities with ubiquitous points of interest and evaluating them with indicators at city and block levels in China. International Journal of Geographical Information Science, 2018, 32, 2447-2476.	2.2	55
77	Spatial and temporal variations of spatial population accessibility to public hospitals: a case study of rural-urban comparison. GIScience and Remote Sensing, 2018, 55, 718-744.	2.4	53
78	Complexity Analysis of Prefabrication Contractors' Dynamic Price Competition in Mega Projects with Different Competition Strategies. Complexity, 2018, 2018, 1-9.	0.9	53
79	Overruns in transportation infrastructure projects. Structure and Infrastructure Engineering, 2014, 10, 141-159.	2.0	51
80	Developing an evacuation evaluation model for offshore oil and gas platforms using BIM and agent-based model. Automation in Construction, 2018, 89, 214-224.	4.8	51
81	Mechanical, chemical and hydrothermal activation for waste glass reinforced cement. Construction and Building Materials, 2021, 301, 124361.	3.2	51
82	Potential of Augmented Reality as an Assistant Viewer for Computer-Aided Drawing. Journal of Computing in Civil Engineering, 2006, 20, 437-441.	2.5	50
83	BIM-Enabled Structural Design: Impacts and Future Developments in Structural Modelling, Analysis and Optimisation Processes. Archives of Computational Methods in Engineering, 2015, 22, 135-151.	6.0	50
84	Risk paths in BIM adoption: empirical study of China. Engineering, Construction and Architectural Management, 2018, 25, 1170-1187.	1.8	50
85	Practical algorithm for stochastic optimal control problem about microbial fermentation in batch culture. Optimization Letters, 2019, 13, 527-541.	0.9	50
86	Setting new trends of integrated Building Information Modelling (BIM) for construction industry. Construction Innovation, 2015, 15, 2-6.	1.5	49
87	Dynamics analysis of the fast-slow hydro-turbine governing system with different time-scale coupling. Communications in Nonlinear Science and Numerical Simulation, 2018, 54, 136-147.	1.7	49
88	A system of nonsmooth equations solver based upon subgradient method. Applied Mathematics and Computation, 2015, 251, 284-299.	1.4	48
89	A Binary differential search algorithm for the 0-1 multidimensional knapsack problem. Applied Mathematical Modelling, 2016, 40, 9788-9805.	2.2	48
90	Fe-Doped Ni <sub>3</sub> S <sub>2</sub> Nanowires with Surface-Restricted Oxidation Toward High-Current-Density Overall Water Splitting. ChemElectroChem, 2019, 6, 4550-4559.	1.7	48

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91	Combining Photogrammetry and Augmented Reality Towards an Integrated Facility Management System for the Oil Industry. Proceedings of the IEEE, 2014, 102, 204-220.	16.4	47
92	Reference tag supported RFID tracking using robust support vector regression and Kalman filter. Advanced Engineering Informatics, 2017, 32, 1-10.	4.0	47
93	Using cooperative game theory to determine profit distribution in IPD projects. International Journal of Construction Management, 2019, 19, 32-45.	2.2	47
94	A review of integrated applications of BIM and related technologies in whole building life cycle. Engineering, Construction and Architectural Management, 2020, 27, 1647-1677.	1.8	47
95	Constraints Hindering the Development of High-Rise Modular Buildings. Applied Sciences (Switzerland), 2020, 10, 7159.	1.3	47
96	Using Augmented Reality to Plan Virtual Construction Worksite. International Journal of Advanced Robotic Systems, 2007, 4, 42.	1.3	45
97	Applicability of 4D modeling for resource allocation in mega liquefied natural gas plant construction. Automation in Construction, 2015, 50, 50-63.	4.8	45
98	A BIM-based framework for lift planning in topsides disassembly of offshore oil and gas platforms. Automation in Construction, 2017, 79, 19-30.	4.8	45
99	Machine learning-aided design and prediction of cementitious composites containing graphite and slag powder. Journal of Building Engineering, 2021, 43, 102544.	1.6	44
100	An empirical study on tangible augmented reality learning space for design skill transfer. Tsinghua Science and Technology, 2008, 13, 13-18.	4.1	42
101	Stabilisation for a class of high-order nonlinear systems with output constraints. IET Control Theory and Applications, 2016, 10, 2128-2135.	1.2	42
102	Construction defect management using a telematic digital workbench. Automation in Construction, 2009, 18, 814-824.	4.8	41
103	Developing a conceptual framework to improve the implementation of 3D printing technology in the construction industry. Architectural Science Review, 2018, 61, 133-142.	1.1	40
104	A Project-Based Quantification of BIM Benefits. International Journal of Advanced Robotic Systems, 2014, 11, 123.	1.3	39
105	Traffic Volume Prediction With Segment-Based Regression Kriging and its Implementation in Assessing the Impact of Heavy Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 232-243.	4.7	39
106	Machine-Learning-Aided Prediction of Flexural Strength and ASR Expansion for Waste Glass Cementitious Composite. Applied Sciences (Switzerland), 2021, 11, 6686.	1.3	38
107	Ejector performance prediction at critical and subcritical operational modes. Applied Thermal Engineering, 2017, 115, 444-454.	3.0	37
108	Lean management framework for improving maintenance operation: development and application in the oil and gas industry. Production Planning and Control, 2021, 32, 585-602.	5.8	37

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109	Tangible mixed reality for remote design review: a study understanding user perception and acceptance. <i>Visualization in Engineering</i> , 2013, 1, .	8.8	35
110	Deep Learning-Based Applications for Safety Management in the AEC Industry: A Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 821.	1.3	34
111	BIM Handbook: A guide to Building Information Modeling for owners, managers, designers, engineers and contractors. <i>Construction Economics and Building</i> , 2012, 12, 101-102.	0.5	33
112	The outlook of building information modeling for sustainable development. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 1877-1887.	2.1	32
113	Maximizing lifetime of a wireless sensor network via joint optimizing sink placement and sensor-to-sink routing. <i>Applied Mathematical Modelling</i> , 2017, 49, 319-337.	2.2	32
114	The slow-fast dynamical behaviors of a hydro-turbine governing system under periodic excitations. <i>Nonlinear Dynamics</i> , 2017, 87, 2519-2528.	2.7	32
115	Stochastic Project Scheduling with Hierarchical Alternatives. <i>Applied Mathematical Modelling</i> , 2018, 58, 181-202.	2.2	31
116	RFID-Aided Tracking System to Improve Work Efficiency of Scaffold Supplier: Stock Management in Australasian Supply Chain. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018, 144, .	2.0	30
117	Mechanical Performance Prediction for Sustainable High-Strength Concrete Using Bio-Inspired Neural Network. <i>Buildings</i> , 2022, 12, 65.	1.4	30
118	Probability distribution fitting of schedule overruns in construction projects. <i>Journal of the Operational Research Society</i> , 2013, 64, 1231-1247.	2.1	29
119	BIM/GIS integration for web GIS-based bridge management. <i>Annals of GIS</i> , 2021, 27, 99-109.	1.4	29
120	A multi-objective optimisation approach for activity excitation of waste glass mortar. <i>Journal of Materials Research and Technology</i> , 2022, 17, 2280-2304.	2.6	29
121	BIM + AR: Onsite information sharing and communication via advanced visualization. , 2012, , .		28
122	Influence of training schedule on development of perceptualâ€“motor control skills for construction equipment operators in a virtual training system. <i>Automation in Construction</i> , 2013, 35, 439-447.	4.8	28
123	Automation and Robotics in Construction and Civil Engineering. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2015, 79, 347-350.	2.0	28
124	Developing and evaluating a framework of total constraint management for improving workflow in liquefied natural gas construction. <i>Construction Management and Economics</i> , 2016, 34, 859-874.	1.8	28
125	Fast-slow dynamics of a hydropower generation system with multi-time scales. <i>Mechanical Systems and Signal Processing</i> , 2018, 110, 458-468.	4.4	28
126	Space-Time Repetitive Project Scheduling Considering Location and Congestion. <i>Journal of Computing in Civil Engineering</i> , 2018, 32, .	2.5	28



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127	Value adding and non-value adding activities in turnaround maintenance process: classification, validation, and benefits. <i>Production Planning and Control</i> , 2020, 31, 60-77.	5.8	28
128	Regional Variations of Credits Obtained by LEED 2009 Certified Green Buildings—A Country Level Analysis. <i>Sustainability</i> , 2018, 10, 20.	1.6	27
129	A Simple Control Approach for Buck Converters With Current-Constrained Technique. <i>IEEE Transactions on Control Systems Technology</i> , 2019, 27, 418-425.	3.2	27
130	Joint Contract—Function Effects on BIM-Enabled EPC Project Performance. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020, 146, .	2.0	27
131	Generative Design in Building Information Modelling (BIM): Approaches and Requirements. <i>Sensors</i> , 2021, 21, 5439.	2.1	27
132	Mechanical enhancement for EMW-absorbing cementitious material using 3D concrete printing. <i>Journal of Building Engineering</i> , 2021, 41, 102763.	1.6	27
133	Context-aware inference in ubiquitous residential environments. <i>Computers in Industry</i> , 2014, 65, 148-157.	5.7	26
134	An innovative method for project control in LNG project through 5D CAD: A case study. <i>Automation in Construction</i> , 2014, 45, 126-135.	4.8	26
135	A 6D CAD Model for the Automatic Assessment of Building Sustainability. <i>International Journal of Advanced Robotic Systems</i> , 2014, 11, 131.	1.3	25
136	Structural Equation Modeling to Analyze the Critical Driving Factors and Paths for Off-site Construction in China. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 2678-2690.	0.9	25
137	Optimizing lift operations and vessel transport schedules for disassembly of multiple offshore platforms using BIM and GIS. <i>Automation in Construction</i> , 2018, 94, 328-339.	4.8	25
138	Enhancing BIM Performance in EPC Projects through Integrative Trust-Based Functional Contracting Model. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018, 144, .	2.0	25
139	Multi-objective optimisation design for GFRP tendon reinforced cemented soil. <i>Construction and Building Materials</i> , 2022, 320, 126297.	3.2	25
140	Challenges in evaluating skill transfer from construction equipment simulators. <i>Theoretical Issues in Ergonomics Science</i> , 2014, 15, 354-375.	1.0	24
141	Process-waste reduction in the construction supply chain using proactive information network. <i>Concurrent Engineering Research and Applications</i> , 2017, 25, 123-135.	2.0	24
142	Segment-Based Spatial Analysis for Assessing Road Infrastructure Performance Using Monitoring Observations and Remote Sensing Data. <i>Remote Sensing</i> , 2018, 10, 1696.	1.8	24
143	Multi-objective optimisation of a graphite-slag conductive composite applying a BAS-SVR based model. <i>Journal of Building Engineering</i> , 2021, 44, 103223.	1.6	24
144	Technical Review: Analysis and Appraisal of Four-Dimensional Building Information Modeling Usability in Construction and Engineering Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2016, 142, .	2.0	23

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145	Multi-Criterion Two-Sided Matching of Public-Private Partnership Infrastructure Projects: Criteria and Methods. Sustainability, 2018, 10, 1178.	1.6	22
146	Joint-Venture Contractor Selection Using Competitive and Collaborative Criteria with Uncertainty. Journal of Construction Engineering and Management - ASCE, 2019, 145, .	2.0	22
147	The contribution of ISO 14067 to the evolution of global greenhouse gas standards- A review. Renewable and Sustainable Energy Reviews, 2015, 47, 142-150.	8.2	21
148	Discrete Firefly Algorithm for Scaffolding Construction Scheduling. Journal of Computing in Civil Engineering, 2017, 31, .	2.5	21
149	Comparing the Random Forest with the Generalized Additive Model to Evaluate the Impacts of Outdoor Ambient Environmental Factors on Scaffolding Construction Productivity. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	2.0	21
150	A Preliminary Investigation of the Transition from Green Building to Green Community: Insights from LEED ND. Sustainability, 2018, 10, 1802.	1.6	21
151	View changes in augmented reality computer-aided-drawing. ACM Transactions on Applied Perception, 2005, 2, 1-14.	1.2	20
152	Benefits of Building Information Modelling in the Project Lifecycle: Construction Projects in Asia. International Journal of Advanced Robotic Systems, 2014, 11, 124.	1.3	20
153	An Inexact Dual Fast Gradient-Projection Method for Separable Convex Optimization with Linear Coupled Constraints. Journal of Optimization Theory and Applications, 2016, 168, 153-171.	0.8	20
154	Sparsity-promoting distributed charging control for plug-in electric vehicles over distribution networks. Applied Mathematical Modelling, 2018, 58, 111-127.	2.2	20
155	Supporting Facility Management Processes through End-Users'™ Integration and Coordinated BIM-GIS Technologies. ISPRS International Journal of Geo-Information, 2018, 7, 191.	1.4	20
156	Health Smart Home Services incorporating a MAR-based Energy Consumption Awareness System. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 79, 523-535.	2.0	19
157	Distributed composite output consensus protocols of higher-order multi-agent systems subject to mismatched disturbances. IET Control Theory and Applications, 2017, 11, 1162-1172.	1.2	19
158	Study on construction material allocation policies: A simulation optimization method. Automation in Construction, 2018, 90, 201-212.	4.8	19
159	Better Retention of Skill Operating a Simulated Hydraulic Excavator After Part-Task Than After Whole-Task Training. Human Factors, 2013, 55, 449-460.	2.1	18
160	Case Study of Selecting Decision-Making Schemes in Large-Scale Infrastructure Projects. Journal of Infrastructure Systems, 2017, 23, .	1.0	18
161	Streamlining Digital Modeling and Building Information Modelling (BIM) Uses for the Oil and Gas Projects. Archives of Computational Methods in Engineering, 2018, 25, 349-396.	6.0	18
162	Hybrid deep learning model for automating constraint modelling in advanced working packaging. Automation in Construction, 2021, 127, 103733.	4.8	18

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163	An experimental study on collaborative effectiveness of augmented reality potentials in urban design. <i>CoDesign</i> , 2009, 5, 229-244.	1.4	17
164	A semi-automated approach to generate 4D/5D BIM models for evaluating different offshore oil and gas platform decommissioning options. <i>Visualization in Engineering</i> , 2017, 5, .	8.8	17
165	Review on Sensing Technology Adoption in the Construction Industry. <i>Sensors</i> , 2021, 21, 8307.	2.1	17
166	Evaluating the Performance of Absolute RSSI Positioning Algorithm-Based Microzoning and RFID in Construction Materials Tracking. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-8.	0.6	16
167	Spatial and Temporal Analysis on the Distribution of Active Radio-Frequency Identification (RFID) Tracking Accuracy with the Kriging Method. <i>Sensors</i> , 2014, 14, 20451-20467.	2.1	16
168	Implementing an augmented reality-enabled wayfinding system through studying user experience and requirements in complex environments. <i>Visualization in Engineering</i> , 2015, 3, .	8.8	16
169	Automatic as-built modeling for concurrent progress tracking of plant construction based on laser scanning. <i>Concurrent Engineering Research and Applications</i> , 2016, 24, 369-380.	2.0	16
170	A hybrid approach to constrained global optimization. <i>Applied Soft Computing Journal</i> , 2016, 47, 281-294.	4.1	16
171	A composite current-constrained control for permanent magnet synchronous motor with time-varying disturbance. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401772869.	0.8	15
172	Cost and environmental impact estimation methodology and potential impact factors in offshore oil and gas platform decommissioning: A review. <i>Environmental Impact Assessment Review</i> , 2021, 87, 106536.	4.4	15
173	Developing a hybrid approach to extract constraints related information for constraint management. <i>Automation in Construction</i> , 2021, 124, 103563.	4.8	15
174	Improving Quality and Performance of Facility Management Using Building Information Modelling. <i>Lecture Notes in Computer Science</i> , 2014, , 44-50.	1.0	15
175	Mixture optimisation for cement-soil mixtures with embedded GFRP tendons. <i>Journal of Materials Research and Technology</i> , 2022, 18, 611-628.	2.6	15
176	Productivity Study of the Scaffolding Operations in Liquefied Natural Gas Plant Construction: Ichthys Project in Darwin, Northern Territory, Australia. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2016, 142, .	0.9	14
177	Multi-period portfolio optimization under probabilistic risk measure. <i>Finance Research Letters</i> , 2016, 18, 60-66.	3.4	14
178	A Review of Smart Design Based on Interactive Experience in Building Systems. <i>Sustainability</i> , 2020, 12, 6760.	1.6	14
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