

Ruoyu Jin

List of Publications by Year in Descending Order

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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.

76
papers

1,812
citations

24
h-index

40
g-index

85
ext. papers

2,528
ext. citations

4.6
avg, IF

5.68
L-index

#	Paper	IF	Citations
76	Optimization of the preparation process of Fair-Faced concrete incorporating recycled aggregates. <i>Construction and Building Materials</i> , 2022 , 326, 126908	6.7	0
75	Process and Outcome-based Evaluation between Virtual Reality-driven and Traditional Construction Safety Training. <i>Advanced Engineering Informatics</i> , 2022 , 52, 101634	7.4	3
74	Grounded Theory and Social Psychology Approach to Investigating the Formation of Construction Workers' Unsafe Behaviour. <i>Computational Intelligence and Neuroscience</i> , 2022 , 2022, 1-16	3	1
73	Testing the Effects of the Digital Linguistic Landscape on Engineering Education for Smart Construction. <i>Computational Intelligence and Neuroscience</i> , 2022 , 2022, 1-18	3	0
72	Immersive technology-driven investigations on influence factors of cognitive load incurred in construction site hazard recognition, analysis and decision making. <i>Advanced Engineering Informatics</i> , 2021 , 48, 101298	7.4	5
71	BIM-based mixed-reality application for bridge inspection and maintenance. <i>Construction Innovation</i> , 2021 , ahead-of-print,	4.1	6
70	Compressive performance of fiber reinforced polymer encased recycled concrete with nanoparticles. <i>Journal of Materials Research and Technology</i> , 2021 , 14, 2727-2738	5.5	4
69	THE ANALYSIS OF BARRIERS TO BIM IMPLEMENTATION FOR INDUSTRIALIZED BUILDING CONSTRUCTION: A CHINA STUDY. <i>Journal of Civil Engineering and Management</i> , 2021 , 27, 1-13	3	17
68	Structural Equation Modeling Approach to Studying the Relationships among Safety Investment, Construction Employees' Safety Cognition, and Behavioral Performance. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04020065	4.2	7
67	Review of BIM Adoption in the Higher Education of AEC Disciplines. <i>Journal of Civil Engineering Education</i> , 2020 , 146, 06020001	1.1	14
66	Eye-Tracking Experimental Study Investigating the Influence Factors of Construction Safety Hazard Recognition. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04020091	4.2	11
65	Incorporating BIM in the Final Semester Undergraduate Project of Construction Management: A Case Study in Fuzhou University. <i>KSCE Journal of Civil Engineering</i> , 2020 , 24, 2403-2418	1.9	2
64	Feasibility Study of Tractor-Test Vehicle Technique for Practical Structural Condition Assessment of Beam-Like Bridge Deck. <i>Remote Sensing</i> , 2020 , 12, 114	5	14
63	Molecular Dynamics Simulation of Reinforcing Steel Corrosion when Subjected to Both Chloride Attack and Mechanical Loading. <i>Medziagotyra</i> , 2020 , 26, 261-268	0.4	
62	Mechanical properties of recycled aggregate concrete modified by nano-particles. <i>Construction and Building Materials</i> , 2020 , 241, 118030	6.7	27
61	Environmental performance of off-site constructed facilities: A critical review. <i>Energy and Buildings</i> , 2020 , 207, 109567	7	18
60	Studying the mix design and investigating the photocatalytic performance of pervious concrete containing TiO ₂ -Soaked recycled aggregates. <i>Journal of Cleaner Production</i> , 2020 , 248, 119281	10.3	25

59	Multivariate regression models for predicting the compressive strength of bone ash stabilized lateritic soil for sustainable building. <i>Construction and Building Materials</i> , 2020 , 263, 120677	6.7	19
58	Reliability evaluation index for the integrated supply chain utilising BIM and lean approaches. <i>Engineering, Construction and Architectural Management</i> , 2020 , 27, 997-1038	3.1	5
57	Big data, technology capability and construction project quality: a cross-level investigation. <i>Engineering, Construction and Architectural Management</i> , 2020 , 28, 706-727	3.1	4
56	Design for manufacture and assembly in construction: a review. <i>Building Research and Information</i> , 2020 , 48, 538-550	4.3	36
55	Defining and Testing a Safety Cognition Framework Incorporating Safety Hazard Perception. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019 , 145, 04019081	4.2	16
54	A Holistic Review of Public-Private Partnership Literature Published between 2008 and 2018. <i>Advances in Civil Engineering</i> , 2019 , 2019, 1-18	1.3	12
53	Current Management Approach 2019 , 29-92		1
52	Integrating BIM with building performance analysis in project life-cycle. <i>Automation in Construction</i> , 2019 , 106, 102861	9.6	32
51	Scientometric analysis of BIM-based research in construction engineering and management. <i>Engineering, Construction and Architectural Management</i> , 2019 , 26, 1750-1776	3.1	30
50	Investigation of individual perceptions towards BIM implementation-a Chongqing case study. <i>Engineering, Construction and Architectural Management</i> , 2019 , 26, 1455-1475	3.1	5
49	Investigation of Demographic Factors in Construction Employees' Safety Perceptions. <i>KSCE Journal of Civil Engineering</i> , 2019 , 23, 2815-2828	1.9	21
48	Adopting recycled aggregates as sustainable construction materials: A review of the scientific literature. <i>Construction and Building Materials</i> , 2019 , 218, 483-496	6.7	63
47	Comparisons of students' perceptions on BIM practice among Australia, China and UK. <i>Engineering, Construction and Architectural Management</i> , 2019 , 26, 1899-1923	3.1	13
46	Scientometric Review of Articles Published in ASCE's Journal of Construction Engineering and Management from 2000 to 2018. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019 , 145, 06019001	4.2	15
45	Understanding the Double-Level Influence of Guanxi on Construction Innovation in China: The Mediating Role of Interpersonal Knowledge Sharing and the Cross-Level Moderating Role of Inter-Organizational Relationships. <i>Sustainability</i> , 2019 , 11, 1657	3.6	7
44	AEC Students' Perceptions of BIM Practice at Swinburne University of Technology. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2019 , 145, 05019002	0.7	13
43	Damage Evolution of RC Beams Under Simultaneous Reinforcement Corrosion and Sustained Load. <i>Materials</i> , 2019 , 12,	3.5	11
42	Adopting a QCA Approach to Investigating the Risks Involved in Megaprojects from Auditing Perspective. <i>Discrete Dynamics in Nature and Society</i> , 2019 , 2019, 1-9	1.1	1

41	Overview of Concrete Recycling Legislation and Practice in the United States. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019 , 145, 05019004	4.2	7
40	Text MiningBased Review of Articles Published in the Journal of Professional Issues in Engineering Education and Practice. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2019 , 145, 06019002	0.7	2
39	Facilitating Building Information Modelling (BIM) using Integrated Project Delivery (IPD): A UK perspective. <i>Journal of Building Engineering</i> , 2019 , 26, 100907	5.2	28
38	Capital Structure of PublicPrivate Partnership Projects: A Sustainability Perspective. <i>Sustainability</i> , 2019 , 11, 3505	3.6	7
37	Analyzing the Key Drivers of ContractorsTemporary Competitive Advantage in the Competition of International High-speed Rail Projects. <i>KSCE Journal of Civil Engineering</i> , 2019 , 23, 4579-4591	1.9	10
36	A Survey on Users' Perspectives to Functionalities of Web-Based Construction Collaboration Extranets. <i>International Journal of E-Collaboration</i> , 2019 , 15, 1-17	1.3	
35	Perceptions towards risks involved in off-site construction in the integrated design & construction project delivery. <i>Journal of Cleaner Production</i> , 2019 , 213, 899-914	10.3	28
34	A science mapping approach based review of construction safety research. <i>Safety Science</i> , 2019 , 113, 285-297	5.8	99
33	Investigating the effects of steel slag powder on the properties of self-compacting concrete with recycled aggregates. <i>Construction and Building Materials</i> , 2019 , 200, 570-577	6.7	40
32	Strength and ductility improvement of recycled aggregate concrete by polyester FRP-PVC tube confinement. <i>Composites Part B: Engineering</i> , 2019 , 162, 178-197	10	27
31	EmployeesSafety Perceptions of Site Hazard and Accident Scenes. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019 , 145, 04018117	4.2	18
30	Science mapping approach to assisting the review of construction and demolition waste management research published between 2009 and 2018. <i>Resources, Conservation and Recycling</i> , 2019 , 140, 175-188	11.9	135
29	Effects of sustained loading and corrosion on the performance of reinforced concrete beams. <i>Construction and Building Materials</i> , 2018 , 169, 179-187	6.7	21
28	Experimental investigation of photocatalytic effects of concrete in air purification adopting entire concrete waste reuse model. <i>Journal of Hazardous Materials</i> , 2018 , 353, 421-430	12.8	17
27	Experimental Investigation of Properties of Concrete Containing Recycled Construction Wastes. <i>International Journal of Civil Engineering</i> , 2018 , 16, 1621-1633	1.9	26
26	A holistic review of cement composites reinforced with graphene oxide. <i>Construction and Building Materials</i> , 2018 , 171, 291-302	6.7	88
25	Non-linear and mixed regression models in predicting sustainable concrete strength. <i>Construction and Building Materials</i> , 2018 , 170, 142-152	6.7	11
24	Project-based pedagogy in interdisciplinary building design adopting BIM. <i>Engineering, Construction and Architectural Management</i> , 2018 , 25, 1376-1397	3.1	35

23	A holistic review of off-site construction literature published between 2008 and 2018. <i>Journal of Cleaner Production</i> , 2018 , 202, 1202-1219	10.3	127
22	Measurement of reinforcement corrosion in concrete adopting ultrasonic tests and artificial neural network. <i>Construction and Building Materials</i> , 2018 , 177, 125-133	6.7	24
21	Incorporating Woodwork Fabrication into the Integrated Teaching and Learning of Civil Engineering Students. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2018 , 144, 05018007	0.7	5
20	Investigation of interoperability between building information modelling (BIM) and building energy simulation (BES). <i>International Review of Applied Sciences and Engineering</i> , 2018 , 9, 137-144	0.3	6
19	Structural Damage Identification of Bridges from Passing Test Vehicles. <i>Sensors</i> , 2018 , 18,	3.8	10
18	Regional Comparisons of Contemporary Construction Industry Sustainable Concepts in the Chinese Context. <i>Sustainability</i> , 2018 , 10, 3831	3.6	10
17	Prioritizing the Sustainability Objectives of Major Public Projects in the Guangdong-Hong Kong-Macao Greater Bay Area. <i>Sustainability</i> , 2018 , 10, 4110	3.6	5
16	Multivariate regression models in estimating the behavior of FRP tube encased recycled aggregate concrete. <i>Construction and Building Materials</i> , 2018 , 191, 216-227	6.7	8
15	Constructing a BIM Climate-Based Framework: Regional Case Study in China. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018 , 144, 04018105	4.2	10
14	Empirical Study of BIM Implementation-Based Perceptions among Chinese Practitioners. <i>Journal of Management in Engineering - ASCE</i> , 2017 , 33, 04017025	5.3	55
13	BIM Investment, Returns, and Risks in China's AEC Industries. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017 , 143, 04017089	4.2	55
12	An empirical study of perceptions towards construction and demolition waste recycling and reuse in China. <i>Resources, Conservation and Recycling</i> , 2017 , 126, 86-98	11.9	183
11	Conceptual Development of a Compact Unglazed Solar Thermal Facade (STF) for Building Integration. <i>Energy Procedia</i> , 2016 , 96, 42-54	2.3	2
10	Comparison of Data Mining Techniques for Predicting Compressive Strength of Environmentally Friendly Concrete. <i>Journal of Computing in Civil Engineering</i> , 2016 , 30, 04016029	5	55
9	A comparison of subgroup construction workers' perceptions of a safety program. <i>Safety Science</i> , 2015 , 74, 15-26	5.8	28
8	Investigation of Concrete Recycling in the U.S. Construction Industry. <i>Procedia Engineering</i> , 2015 , 118, 894-901		28
7	Survey of the current status of sustainable concrete production in the U.S.. <i>Resources, Conservation and Recycling</i> , 2015 , 105, 148-159	11.9	21
6	Understanding a Contractor's Regional Variations in Safety Performance. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013 , 139, 641-653	4.2	16

5	Study of the Relationship between Procurement Duration and Project Performance in Design-Build Projects: Comparison between Water/Wastewater and Transportation Sectors. <i>Journal of Management in Engineering - ASCE</i> , 2013 , 29, 382-391	5.3	24
4	Multilevel Safety Culture and Climate Survey for Assessing New Safety Program. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013 , 139, 805-817	4.2	51
3	Safety4Site Commitment to Enhance Jobsite Safety Management and Performance. <i>Journal of Construction Engineering and Management - ASCE</i> , 2012 , 138, 509-519	4.2	30
2	Civil engineering students' perceptions of emergency remote teaching: a case study in New Zealand. <i>European Journal of Engineering Education</i> , 1-18	1.5	0
1	Toward next-generation engineering education: A case study of an engineering capstone project based on BIM technology in MEP systems. <i>Computer Applications in Engineering Education</i> ,	1.6	1