

Ruoyu Jin

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

3,277
citations

147566

31
h-index

161609

54
g-index

85
all docs

85
docs citations

85
times ranked

2389
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.3	275
2	A holistic review of off-site construction literature published between 2008 and 2018. <i>Journal of Cleaner Production</i> , 2018, 202, 1202-1219.	4.6	238
3	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.	5.3	228
4	A science mapping approach based review of construction safety research. <i>Safety Science</i> , 2019, 113, 285-297.	2.6	173
5	A holistic review of cement composites reinforced with graphene oxide. <i>Construction and Building Materials</i> , 2018, 171, 291-302.	3.2	153
6	Adopting recycled aggregates as sustainable construction materials: A review of the scientific literature. <i>Construction and Building Materials</i> , 2019, 218, 483-496.	3.2	106
7	Comparison of Data Mining Techniques for Predicting Compressive Strength of Environmentally Friendly Concrete. <i>Journal of Computing in Civil Engineering</i> , 2016, 30, .	2.5	103
8	BIM Investment, Returns, and Risks in China's AEC Industries. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017, 143, .	2.0	91
9	Design for manufacture and assembly in construction: a review. <i>Building Research and Information</i> , 2020, 48, 538-550.	2.0	81
10	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.	3.2	79
11	Empirical Study of BIM Implementation's Based Perceptions among Chinese Practitioners. <i>Journal of Management in Engineering - ASCE</i> , 2017, 33, .	2.6	77
12	Mechanical properties of recycled aggregate concrete modified by nano-particles. <i>Construction and Building Materials</i> , 2020, 241, 118030.	3.2	75
13	Multilevel Safety Culture and Climate Survey for Assessing New Safety Program. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013, 139, 805-817.	2.0	70
14	Scientometric analysis of BIM-based research in construction engineering and management. <i>Engineering, Construction and Architectural Management</i> , 2019, 26, 1750-1776.	1.8	69
15	Integrating BIM with building performance analysis in project life-cycle. <i>Automation in Construction</i> , 2019, 106, 102861.	4.8	57
16	Project-based pedagogy in interdisciplinary building design adopting BIM. <i>Engineering, Construction and Architectural Management</i> , 2018, 25, 1376-1397.	1.8	55
17	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.	1.9	55
18	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.	4.6	52

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19	Facilitating Building Information Modelling (BIM) using Integrated Project Delivery (IPD): A UK perspective. <i>Journal of Building Engineering</i> , 2019, 26, 100907.	1.6	49
20	Strength and ductility improvement of recycled aggregate concrete by polyester FRP-PVC tube confinement. <i>Composites Part B: Engineering</i> , 2019, 162, 178-197.	5.9	49
21	Environmental performance of off-site constructed facilities: A critical review. <i>Energy and Buildings</i> , 2020, 207, 109567.	3.1	49
22	Investigation of Concrete Recycling in the U.S. Construction Industry. <i>Procedia Engineering</i> , 2015, 118, 894-901.	1.2	46
23	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.	4.6	43
24	Measurement of reinforcement corrosion in concrete adopting ultrasonic tests and artificial neural network. <i>Construction and Building Materials</i> , 2018, 177, 125-133.	3.2	42
25	A comparison of subgroup construction workers's perceptions of a safety program. <i>Safety Science</i> , 2015, 74, 15-26.	2.6	41
26	Effects of sustained loading and corrosion on the performance of reinforced concrete beams. <i>Construction and Building Materials</i> , 2018, 169, 179-187.	3.2	41
27	Investigation of Demographic Factors in Construction Employees's Safety Perceptions. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 2815-2828.	0.9	41
28	Review of BIM Adoption in the Higher Education of AEC Disciplines. <i>Journal of Civil Engineering Education</i> , 2020, 146, .	0.8	39
29	Safety4Site Commitment to Enhance Jobsite Safety Management and Performance. <i>Journal of Construction Engineering and Management - ASCE</i> , 2012, 138, 509-519.	2.0	37
30	Experimental Investigation of Properties of Concrete Containing Recycled Construction Wastes. <i>International Journal of Civil Engineering</i> , 2018, 16, 1621-1633.	0.9	35
31	BIM-based mixed-reality application for bridge inspection and maintenance. <i>Construction Innovation</i> , 2022, 22, 487-503.	1.5	34
32	Eye-Tracking Experimental Study Investigating the Influence Factors of Construction Safety Hazard Recognition. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020, 146, .	2.0	33
33	Survey of the current status of sustainable concrete production in the U.S.. <i>Resources, Conservation and Recycling</i> , 2015, 105, 148-159.	5.3	32
34	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.	2.6	29
35	Employees's Safety Perceptions of Site Hazard and Accident Scenes. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019, 145, .	2.0	28
36	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.	3.2	28

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37	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.	4.0	28
38	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.	6.5	27
39	Scientometric Review of Articles Published in ASCE's <i>Journal of Construction Engineering and Management</i> from 2000 to 2018. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019, 145, .	2.0	26
40	A Holistic Review of Public-Private Partnership Literature Published between 2008 and 2018. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-18.	0.4	24
41	AEC Students' Perceptions of BIM Practice at Swinburne University of Technology. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2019, 145, .	0.9	22
42	Non-linear and mixed regression models in predicting sustainable concrete strength. <i>Construction and Building Materials</i> , 2018, 170, 142-152.	3.2	21
43	Defining and Testing a Safety Cognition Framework Incorporating Safety Hazard Perception. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019, 145, .	2.0	21
44	Process and Outcome-based Evaluation between Virtual Reality-driven and Traditional Construction Safety Training. <i>Advanced Engineering Informatics</i> , 2022, 52, 101634.	4.0	21
45	Structural Damage Identification of Bridges from Passing Test Vehicles. <i>Sensors</i> , 2018, 18, 4035.	2.1	20
46	Comparisons of students' perceptions on BIM practice among Australia, China and UK. <i>Engineering, Construction and Architectural Management</i> , 2019, 26, 1899-1923.	1.8	19
47	Digital entrepreneurship: global maps and trends of research. <i>Journal of Business and Industrial Marketing</i> , 2023, 38, 637-655.	1.8	19
48	Understanding a Contractor's Regional Variations in Safety Performance. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013, 139, 641-653.	2.0	18
49	Damage Evolution of RC Beams Under Simultaneous Reinforcement Corrosion and Sustained Load. <i>Materials</i> , 2019, 12, 627.	1.3	18
50	Constructing a BIM Climate-Based Framework: Regional Case Study in China. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018, 144, .	2.0	17
51	Overview of Concrete Recycling Legislation and Practice in the United States. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019, 145, .	2.0	17
52	Big data, technology capability and construction project quality: a cross-level investigation. <i>Engineering, Construction and Architectural Management</i> , 2020, 28, 706-727.	1.8	16
53	Feasibility Study of Tractor-Test Vehicle Technique for Practical Structural Condition Assessment of Beam-Like Bridge Deck. <i>Remote Sensing</i> , 2020, 12, 114.	1.8	16
54	Analyzing the Key Drivers of Contractors' Temporary Competitive Advantage in the Competition of International High-speed Rail Projects. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 4579-4591.	0.9	15

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55	Multivariate regression models in estimating the behavior of FRP tube encased recycled aggregate concrete. <i>Construction and Building Materials</i> , 2018, 191, 216-227.	3.2	14
56	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, .	2.0	14
57	Capital Structure of Public-Private Partnership Projects: A Sustainability Perspective. <i>Sustainability</i> , 2019, 11, 3505.	1.6	13
58	Investigation of individual perceptions towards BIM implementation-a Chongqing case study. <i>Engineering, Construction and Architectural Management</i> , 2019, 26, 1455-1475.	1.8	13
59	Regional Comparisons of Contemporary Construction Industry Sustainable Concepts in the Chinese Context. <i>Sustainability</i> , 2018, 10, 3831.	1.6	12
60	Compressive performance of fiber reinforced polymer encased recycled concrete with nanoparticles. <i>Journal of Materials Research and Technology</i> , 2021, 14, 2727-2738.	2.6	12
61	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	11
62	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, .	0.9	11
63	Prioritizing the Sustainability Objectives of Major Public Projects in the Guangdong-Hong Kong-Macao Greater Bay Area. <i>Sustainability</i> , 2018, 10, 4110.	1.6	10
64	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.	1.6	10
65	Reliability evaluation index for the integrated supply chain utilising BIM and lean approaches. <i>Engineering, Construction and Architectural Management</i> , 2020, 27, 997-1038.	1.8	10
66	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.	0.9	8
67	The development of SUCCEED: urban sustainability assessment tool for developing countries with focus on Nigeria. <i>International Journal of Building Pathology and Adaptation</i> , 2022, 40, 380-404.	0.7	7
68	Conceptual Development of a Compact Unglazed Solar Thermal Facade (STF) for Building Integration. <i>Energy Procedia</i> , 2016, 96, 42-54.	1.8	6
69	Text Mining-Based Review of Articles Published in the <i>Journal of Professional Issues in Engineering Education and Practice</i> . <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2019, 145, .	0.9	6
70	Civil engineering students' perceptions of emergency remote teaching: a case study in New Zealand. <i>European Journal of Engineering Education</i> , 2022, 47, 679-696.	1.5	5
71	Optimization of the preparation process of Fair-Faced concrete incorporating recycled aggregates. <i>Construction and Building Materials</i> , 2022, 326, 126908.	3.2	5
72	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> , 0, .	2.2	3

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73	Testing the Effects of the Digital Linguistic Landscape on Engineering Education for Smart Construction. Computational Intelligence and Neuroscience, 2022, 2022, 1-18.	1.1	3
74	Adopting a QCA Approach to Investigating the Risks Involved in Megaprojects from Auditing Perspective. Discrete Dynamics in Nature and Society, 2019, 2019, 1-9.	0.5	2
75	Current Management Approach. , 2019, , 29-92.		1
76	A Survey on Users' Perspectives to Functionalities of Web-Based Construction Collaboration Extranets. International Journal of E-Collaboration, 2019, 15, 1-17.	0.4	1
77	Grounded Theory and Social Psychology Approach to Investigating the Formation of Construction Workers'™ Unsafe Behaviour. Computational Intelligence and Neuroscience, 2022, 2022, 1-16.	1.1	1
78	Scientometric review of Construction conflict from 1991 to 2020. Engineering, Construction and Architectural Management, 2023, 30, 4210-4228.	1.8	1
79	Dynamic Characteristics and Failure Mechanism of Vegetated Revetment under Cyclic Loading. Materials, 2019, 12, 716.	1.3	0
80	Molecular Dynamics Simulation of Reinforcing Steel Corrosion when Subjected to Both Chloride Attack and Mechanical Loading. Medziagotyra, 2020, 26, 261-268.	0.1	0
81	Developing a methodological framework for adopting digitalization for deconstruction planning. AIP Conference Proceedings, 2021, , .	0.3	0
82	The implications of adopting sustainable urbanism in developing resilient places in Abuja, Nigeria. International Journal of Building Pathology and Adaptation, 2022, ahead-of-print, .	0.7	0