## Ke Chen

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9056985/publications.pdf Version: 2024-02-01



KE CHEN

#	Article	IF	CITATIONS
1	Conceptual Framework for the Service-Oriented Management of Construction Labor Resource. EMJ - Engineering Management Journal, 2022, 34, 543-558.	2.3	6
2	Parametric modeling for detailed typesetting and deviation correction in shield tunneling construction. Automation in Construction, 2022, 134, 104052.	9.8	13
3	The technology-environment relationship revisited: Evidence from the impact of prefabrication on reducing construction waste. Journal of Cleaner Production, 2022, 341, 130883.	9.3	20
4	Underpass clearance checking in highway widening projects using digital twins. Automation in Construction, 2022, 141, 104406.	9.8	14
5	Measuring building information modeling maturity: a Hong Kong case study. International Journal of Construction Management, 2021, 21, 299-311.	3.2	8
6	How Do Different Professionals Communicate in Construction Projects? A Social Network Analysis Perspective. , 2021, , 1005-1017.		0
7	3D Point Cloud Data Enabled Facility Management: A Critical Review. , 2021, , 641-657.		0
8	Risk-informed knowledge-based design for road infrastructure in an extreme environment. Knowledge-Based Systems, 2021, 216, 106741.	7.1	7
9	Landscape expansion-place quality nexus revisited: How fundamental and transitory growth impact in China?. Land Use Policy, 2021, 103, 105294.	5.6	2
10	Estimation of construction waste generation based on an improved on-site measurement and SVM-based prediction model: A case of commercial buildings in China. Waste Management, 2021, 126, 791-799.	7.4	36
11	Digital twin and its implementations in the civil engineering sector. Automation in Construction, 2021, 130, 103838.	9.8	171
12	Design for manufacture and assembly (DfMA) in construction: the old and the new. Architectural Engineering and Design Management, 2021, 17, 77-91.	1.7	35
13	Transforming Data into Decision Making: A Spotlight Review of Construction Digital Twin. , 2021, , .		2
14	Implementation of Design for Manufacture and Assembly (DfMA) Principles in Construction: A Case Study. , 2020, , .		1
15	The renaissance of augmented reality in construction: history, present status and future directions. Smart and Sustainable Built Environment, 2020, ahead-of-print, .	4.0	19
16	Time-dependent resilience analysis of a road network in an extreme environment. Transportation Research, Part D: Transport and Environment, 2020, 85, 102395.	6.8	20
17	University–industry collaboration for BIM education: Lessons learned from a case study. Industry and Higher Education, 2020, 34, 401-409.	2.2	22
18	Ultra-rapid delivery of specialty field hospitals to combat COVID-19: Lessons learned from the Leishenshan Hospital project in Wuhan. Automation in Construction, 2020, 119, 103345.	9.8	100

Ke Chen

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19	Knowledge, Attitudes, and Practices Toward COVID-19 Among Construction Industry Practitioners in China. Frontiers in Public Health, 2020, 8, 599769.	2.7	28
20	Construction-Oriented Design for Manufacture and Assembly Guidelines. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	3.8	43
21	Enhancing construction safety management through edge computing: framework and scenarios. Journal of Information Technology in Construction, 2020, 25, 438-451.	2.1	3
22	Development of Tailored Engineering Software by Architecture, Engineering, and Construction Companies: Benefits versus Risks. , 2020, , .		0
23	Towards the "third wave†An SCO-enabled occupational health and safety management system for construction. Safety Science, 2019, 111, 213-223.	4.9	47
24	BIM reconstruction from 3D point clouds: A semantic registration approach based on multimodal optimization and architectural design knowledge. Advanced Engineering Informatics, 2019, 42, 100965.	8.0	34
25	â€~Cognitive facility management': Definition, system architecture, and example scenario. Automation in Construction, 2019, 107, 102922.	9.8	35
26	An Internet of Things-enabled BIM platform for modular integrated construction: A case study in Hong Kong. Advanced Engineering Informatics, 2019, 42, 100997.	8.0	99
27	Bridging BIM and building (BBB) for information management in construction. Engineering, Construction and Architectural Management, 2019, 26, 1518-1532.	3.1	26
28	From Semantic Segmentation to Semantic Registration: Derivative-Free Optimization–Based Approach for Automatic Generation of Semantically Rich As-Built Building Information Models from 3D Point Clouds. Journal of Computing in Civil Engineering, 2019, 33, .	4.7	25
29	Bibliometric Analysis of Construction Education Research from 1982 to 2017. Journal of Professional Issues in Engineering Education and Practice, 2019, 145, .	0.9	20
30	Barriers to Building Information Modeling (BIM) implementation in China's prefabricated construction: An interpretive structural modeling (ISM) approach. Journal of Cleaner Production, 2019, 219, 949-959.	9.3	231
31	Pervasive sensing technologies for facility management: a critical review. Facilities, 2019, 38, 161-180.	1.6	9
32	Semantic Enrichment for Rooftop Modeling using Aerial LiDAR Reflectance. , 2019, , .		2
33	A derivative-free optimization-based approach for detecting architectural symmetries from 3D point clouds. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 148, 32-40.	11.1	18
34	Architectural Symmetry Detection from 3D Urban Point Clouds: A Derivative-Free Optimization (DFO) Approach. , 2019, , 513-519.		3
35	Smart Gateway for Bridging BIM and Building. , 2018, , 1307-1316.		4
36	An Optimization-Based Semantic Building Model Generation Method with a Pilot Case of a Demolished		2

Construction. , 2018, , 231-241.

KE CHEN

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37	Bridging the Cyber and Physical Systems for Better Construction: A Case Study of Construction Machinery Monitoring and Utilization. , 2018, , 393-399.		3
38	Causal Loop Analysis on the Impact of Schedule Risks in Prefabrication Housing Production in Hong Kong. , 2018, , 425-434.		1
39	RFID and BIM-Enabled Prefabricated Component Management System in Prefabricated Housing Production. , 2018, , .		6
40	A Physical Internet-enabled Building Information Modelling System for prefabricated construction. International Journal of Computer Integrated Manufacturing, 2018, 31, 349-361.	4.6	45
41	Cross-boundary collaboration in waste management research: A network analysis. Environmental Impact Assessment Review, 2018, 73, 128-141.	9.2	11
42	Automatic Generation of Semantically Rich Asâ€Built Building Information Models Using 2D Images: A Derivativeâ€Free Optimization Approach. Computer-Aided Civil and Infrastructure Engineering, 2018, 33, 926-942.	9.8	45
43	Linking radio-frequency identification to Building Information Modeling: Status quo, development trajectory and guidelines for practitioners. Automation in Construction, 2018, 93, 241-251.	9.8	37
44	The Fusion of GIS and Building Information Modeling for Big Data Analytics in Managing Development Sites. , 2018, , 345-359.		3
45	Searching for an optimal level of prefabrication in construction: An analytical framework. Journal of Cleaner Production, 2018, 201, 236-245.	9.3	108
46	Design for Manufacture and Assembly Oriented Design Approach to a Curtain Wall System: A Case Study of a Commercial Building in Wuhan, China. Sustainability, 2018, 10, 2211.	3.2	36
47	The Interplay Between Formal and Informal Institutions in Projects. Project Management Journal, 2018, 49, 20-35.	4.3	36
48	Automatic building information model reconstruction in high-density urban areas: Augmenting multi-source data with architectural knowledge. Automation in Construction, 2018, 93, 22-34.	9.8	60
49	BIG DATA IN CONSTRUCTION WASTE MANAGEMENT: PROSPECTS AND CHALLENGES. Detritus, 2018, In Press, 1.	0.9	3
50	Benefit sharing for BIM implementation: Tackling the moral hazard dilemma in inter-firm cooperation. International Journal of Project Management, 2017, 35, 393-405.	5.6	55
51	Naming Objects in BIM: A Convention and a Semiautomatic Approach. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	3.8	14
52	A Smart Construction Object (SCO)-Enabled Proactive Data Management System for Construction Equipment Management. , 2017, , .		7
53	Incomplete privatization of public rental housing in Hong Kong. Land Use Policy, 2017, 67, 537-545.	5.6	6
54	Integrating RFID and BIM technologies for mitigating risks and improving schedule performance of prefabricated house construction. Journal of Cleaner Production, 2017, 165, 1048-1062.	9.3	187

Ke Chen

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55	Computational Building Information Modelling for construction waste management: Moving from rhetoric to reality. Renewable and Sustainable Energy Reviews, 2017, 68, 587-595.	16.4	96
56	An SCO-Enabled Logistics and Supply Chain–Management System in Construction. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	3.8	43
57	Smart Construction Objects. Journal of Computing in Civil Engineering, 2016, 30, .	4.7	95
58	Bridging BIM and building: From a literature review to an integrated conceptual framework. International Journal of Project Management, 2015, 33, 1405-1416.	5.6	168
59	Development of 3D Building Models Using Multi-Source Data: A Study of High-Density Urban Area in Hong Kong. , 0, , .		2
60	Developing an Open Access BIM Objects Library: A Hong Kong Study. , 0, , .		4