

# Zhen Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,446  
citations

430442

18  
h-index

329751

37  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1142  
citing authors

#	ARTICLE	IF	CITATIONS
1	An application of bar-code system for reducing construction wastes. Automation in Construction, 2002, 11, 521-533.	4.8	131
2	An Analytical Network Process model for risks prioritisation in megaprojects. International Journal of Project Management, 2015, 33, 1795-1811.	2.7	121
3	Risks in Chinese Construction Market – Contractors’ Perspective. Journal of Construction Engineering and Management - ASCE, 2004, 130, 853-861.	2.0	109
4	Fuzzy Analytical Hierarchy Process Risk Assessment Approach for Joint Venture Construction Projects in China. Journal of Construction Engineering and Management - ASCE, 2007, 133, 771-779.	2.0	109
5	Application of integrated GPS and GIS technology for reducing construction waste and improving construction efficiency. Automation in Construction, 2005, 14, 323-331.	4.8	105
6	Environmental Management of Urban Construction Projects in China. Journal of Construction Engineering and Management - ASCE, 2000, 126, 320-324.	2.0	104
7	A multicriteria lifespan energy efficiency approach to intelligent building assessment. Energy and Buildings, 2006, 38, 393-409.	3.1	104
8	Environmental Planning : Analytic Network Process Model for Environmentally Conscious Construction Planning. Journal of Construction Engineering and Management - ASCE, 2005, 131, 92-101.	2.0	82
9	A total environmental risk assessment model for international hub airports. International Journal of Project Management, 2011, 29, 856-866.	2.7	65
10	Measuring the maturity of risk management in large-scale construction projects. Automation in Construction, 2013, 34, 56-66.	4.8	51
11	An analytic network process for risks assessment in commercial real estate development. Journal of Property Investment and Finance, 2009, 27, 238-258.	0.9	43
12	A Coevolutionary Approach to Analyzing Supply Function Equilibrium Model. IEEE Transactions on Power Systems, 2006, 21, 1019-1028.	4.6	40
13	An integrative methodology for environmental management in construction. Automation in Construction, 2004, 13, 621-628.	4.8	37
14	Knowledge-Driven ANP Approach to Vendors Evaluation for Sustainable Construction. Journal of Construction Engineering and Management - ASCE, 2008, 134, 928-941.	2.0	28
15	A system dynamics approach to risks description in megaprojects development. Organization, Technology and Management in Construction, 2012, 4, 593-603.	0.5	28
16	E-commerce system simulation for construction and demolition waste exchange. Automation in Construction, 2006, 15, 706-718.	4.8	26
17	Barcode Technology for an Incentive Reward Program to Reduce Construction Wastes. Computer-Aided Civil and Infrastructure Engineering, 2003, 18, 313-324.	6.3	24
18	Determining and assessing the risks of commercial and recreational complex building projects in developing countries: a survey of experts in Iran. Journal of Facilities Management, 2020, 18, 259-282.	1.0	22

#	ARTICLE	IF	CITATIONS
19	ANP Experiment for Demolition Plan Evaluation. Journal of Construction Engineering and Management - ASCE, 2014, 140, .	2.0	16
20	Web services enhanced interoperable construction products catalogue. Automation in Construction, 2005, 14, 343-352.	4.8	14
21	Grand Challenges in Construction Management. Frontiers in Built Environment, 2019, 5, .	1.2	14
22	An empirical model for decision-making on ISO 14000 acceptance in the Shanghai construction industry. Construction Management and Economics, 2004, 22, 55-73.	1.8	13
23	Waste-Based Management in Residential Construction. Journal of Construction Engineering and Management - ASCE, 2005, 131, 423-430.	2.0	13
24	An analytic knowledge network process for construction entrepreneurship education. Journal of Management Development, 2006, 25, 11-27.	1.1	13
25	A Benefits Prioritization Analysis on Adopting BIM Systems Against Major Challenges in Megaproject Delivery. Frontiers in Built Environment, 2020, 6, .	1.2	10
26	A dynamic framework for managing the complexities of risks in megaprojects. International Journal of Technology and Management Research, 2016, 1, 1-13.	0.1	10
27	Webfill before landfill: an e-commerce model for waste exchange in Hong Kong. Construction Innovation, 2003, 3, 27-43.	1.5	9
28	Webfill before landfill: an e-commerce model for waste exchange in Hong Kong. Construction Innovation, 2003, 3, 27-43.	1.5	8
29	A quantitative approach to construction pollution control based on resource levelling. Construction Innovation, 2002, 2, 71-81.	1.5	7
30	A multi-criteria optimization study for locating industrial warehouses with the integration of BIM and GIS data. Architectural Engineering and Design Management, 2021, 17, 478-495.	1.2	7
31	The use of information technology by the quantity surveying profession in Hong Kong. International Journal of Project Management, 2007, 25, 134-142.	2.7	6
32	Facilities intelligence and evaluation: A multi-criteria assessment approach. Energy and Buildings, 2010, 42, 728-734.	3.1	6
33	Principles of facilities management. Journal of Facilities Management, 2015, 13, .	1.0	6
34	A quantitative approach to construction pollution control based on resource levelling. Construction Innovation, 2002, 2, 71-81.	1.5	6
35	A cybernetic model for analytic network process. , 2010, , .		5
36	A dynamic system approach to risk analysis for megaproject delivery. Proceedings of Institution of Civil Engineers: Management, Procurement and Law, 2019, 172, 232-252.	0.4	5

#	ARTICLE	IF	CITATIONS
37	The prototypical application of cybernetic systems in remote intelligent services for buildings and infrastructures. , 2007, , .		4
38	Integrating construction pollution control with construction schedule: an experimental approach. Management of Environmental Quality, 2002, 13, 142-151.	0.4	3
39	A knowledge-driven management approach to environmental-conscious construction. Construction Innovation, 2005, 5, 27-39.	1.5	3
40	The Disaster-Oriented Assessment of Urban Clusters for Locating Production Systems in China. , 2008, , 253-271.		3
41	Discussion of "Risks in Chinese Construction Market" Contractors' Perspective by Dongping Fang, Mingen Li, Patrick Sik-wah Fong, and Liyin Shen. Journal of Construction Engineering and Management - ASCE, 2006, 132, 327-328.	2.0	2
42	Discussion of "Safety Risk Identification and Assessment for Beijing Olympic Venues Construction" by Yu Sun, Dongping Fang, Shouqing Wang, Mengdong Dai, and Xiaoquan Lv. Journal of Management in Engineering - ASCE, 2009, 25, 97-98.	2.6	2
43	Evaluating the real estate market by confidence index in China: a case study of Shenzhen. International Journal of Housing Markets and Analysis, 2010, 3, 327-350.	0.7	2
44	A knowledge-driven management approach to environmental-conscious construction. Construction Innovation, 2005, 5, 27-39.	1.5	2
45	Discussion of "ISO 14000 and the Construction Industry: Survey in China," by S. X. Zeng, C. M. Tam, Z. M. Deng, and Vivian W. Y. Tam. Journal of Management in Engineering - ASCE, 2005, 21, 148-149.	2.6	1
46	Discussion of "Waste-Based Management in Residential Construction" by Jing Zhang, Danelle L. Eastham, and Leonhard E. Bernold. Journal of Construction Engineering and Management - ASCE, 2006, 132, 1019-1019.	2.0	1
47	Discussion of "Using Analytic Network Process to Predict the Performance of International Construction Joint Ventures" by Beliz Ozorhon, Irem Dikmen, and M. Talat Birgonul. Journal of Management in Engineering - ASCE, 2009, 25, 100-101.	2.6	1
48	A TRIZ Approach to Reliable Megaproject Sustainability. Frontiers in Built Environment, 2021, 7, .	1.2	1
49	Process Simulation for E-Commerce Systems. , 2006, , 933-940.		1
50	The closure of "A multicriteria lifespan energy efficiency approach to intelligent building assessment," by Chen et al. [Energy and Building 38(5) (2006) 393-409]. Energy and Buildings, 2007, 39, 506-507.	3.1	0
51	The Evaluation of Facilities Intelligence: An ANP-Driven Approach. , 2009, , .		0
52	Discussion of "Permutation-Based Elitist Genetic Algorithm for Optimization of Large-Sized Resource-Constrained Project Scheduling" by Jin-Lee Kim and Ralph D. Ellis Jr.. Journal of Construction Engineering and Management - ASCE, 2010, 136, 717-718.	2.0	0
53	Discussion of "Fuzzy Analytical Hierarchy Process Risk Assessment Approach for Joint Venture Construction Projects in China" by Guomin Zhang and Patrick X. W. Zou. Journal of Construction Engineering and Management - ASCE, 2010, 136, 717-717.	2.0	0
54	Optimization of curved roof surface design using GA. Journal of Engineering, Design and Technology, 2012, 10, 345-359.	1.1	0

#	ARTICLE	IF	CITATIONS
55	Book review Procuring Successful Mega-projects: How to Establish Major Government Contracts without Ending Up in Court Louise Hart. Gower Publishing, Surrey, UK, 2015, ISBN 978-1-4724-5510-9, £80.00, 295 pp.. Proceedings of Institution of Civil Engineers: Management, Procurement and Law, 2017, 170, 220-220.	0.4	0
56	Developing excellent architectural education for best practices in Libya. Magl̄tallat̄ Al-Êzul̄m Al-baá,¥á¹-at̄i Wa-al-taá¹b̄«qiyat̄i, 2021, 20, 1-5.	0.1	0
57	An Integrative Knowledge Management System for Environmental-Conscious Construction. , 2005, , 323-342.		0
58	An Integrative Knowledge Management System for Environmental-Conscious Construction. , 2008, , 3230-3247.		0
59	Web-Based Decision Support for Knowledge Sharing and Management in Intelligent Buildings Assessment. , 2008, , 958-968.		0
60	Editorial: Systems for Construction Management. Frontiers in Built Environment, 2022, 7, .	1.2	0