

Daniel Wm Chan

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

4,057
citations

172207

29
h-index

123241

61
g-index

72
all docs

72
docs citations

72
times ranked

2235
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative study of causes of time overruns in Hong Kong construction projects. <i>International Journal of Project Management</i> , 1997, 15, 55-63.	2.7	563
2	A scientometric review of global research on sustainability and sustainable development. <i>Journal of Cleaner Production</i> , 2018, 183, 231-250.	4.6	503
3	Developing a risk assessment model for PPP projects in China – A fuzzy synthetic evaluation approach. <i>Automation in Construction</i> , 2010, 19, 929-943.	4.8	309
4	Perceived benefits of and barriers to Building Information Modelling (BIM) implementation in construction: The case of Hong Kong. <i>Journal of Building Engineering</i> , 2019, 25, 100764.	1.6	177
5	Barriers to the integration of BIM and sustainability practices in construction projects: A Delphi survey of international experts. <i>Journal of Building Engineering</i> , 2018, 20, 60-71.	1.6	139
6	An evaluation of construction time performance in the building industry. <i>Building and Environment</i> , 1996, 31, 569-578.	3.0	134
7	Compressing construction durations: lessons learned from Hong Kong building projects. <i>International Journal of Project Management</i> , 2002, 20, 23-35.	2.7	131
8	Identifying and prioritizing the benefits of integrating BIM and sustainability practices in construction projects: A Delphi survey of international experts. <i>Sustainable Cities and Society</i> , 2018, 40, 16-27.	5.1	123
9	Risk ranking and analysis in target cost contracts: Empirical evidence from the construction industry. <i>International Journal of Project Management</i> , 2011, 29, 751-763.	2.7	103
10	Implementation of safety management systems in Hong Kong construction industry – A safety practitioner's perspective. <i>Journal of Safety Research</i> , 2018, 64, 1-9.	1.7	76
11	Profound barriers to building information modelling (BIM) adoption in construction small and medium-sized enterprises (SMEs). <i>Construction Innovation</i> , 2020, 20, 261-284.	1.5	76
12	Critical success factors for implementing building information modeling and sustainability practices in construction projects: A Delphi survey. <i>Sustainable Development</i> , 2019, 27, 587-602.	6.9	75
13	Determinants of construction duration. <i>Construction Management and Economics</i> , 1995, 13, 209-217.	1.8	74
14	The definition of alliancing in construction as a Wittgenstein family-resemblance concept. <i>International Journal of Project Management</i> , 2007, 25, 219-231.	2.7	70
15	A comparative study of critical success factors for public private partnerships (PPP) between Mainland China and the Hong Kong Special Administrative Region. <i>Facilities</i> , 2012, 30, 647-666.	0.8	70
16	Implementation of safety management system in managing construction projects: Benefits and obstacles. <i>Safety Science</i> , 2019, 117, 23-32.	2.6	70
17	Defining relational contracting from the Wittgenstein family-resemblance philosophy. <i>International Journal of Project Management</i> , 2012, 30, 225-239.	2.7	69
18	Perceived benefits of applying Pay for Safety Scheme (PFSS) in construction – A factor analysis approach. <i>Safety Science</i> , 2011, 49, 813-823.	2.6	65

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19	Critical success factors for building information modelling (BIM) implementation in Hong Kong. <i>Engineering, Construction and Architectural Management</i> , 2019, 26, 1838-1854.	1.8	65
20	Circular economy research on building construction and demolition waste: A review of current trends and future research directions. <i>Journal of Cleaner Production</i> , 2022, 357, 131927.	4.6	64
21	An empirical survey of the benefits of implementing pay for safety scheme (PFSS) in the Hong Kong construction industry. <i>Journal of Safety Research</i> , 2010, 41, 433-443.	1.7	61
22	Determining an optimal recovery time for construction rebar workers after working to exhaustion in a hot and humid environment. <i>Building and Environment</i> , 2012, 58, 163-171.	3.0	54
23	Partnering for construction excellence—A reality or myth?. <i>Building and Environment</i> , 2006, 41, 1924-1933.	3.0	53
24	An empirical survey of the motives and benefits of adopting guaranteed maximum price and target cost contracts in construction. <i>International Journal of Project Management</i> , 2011, 29, 577-590.	2.7	47
25	Development of a benchmarking model for BIM implementation in developing countries. <i>Benchmarking</i> , 2019, 26, 1210-1232.	2.9	46
26	Developing a benchmark model for project construction time performance in Hong Kong. <i>Building and Environment</i> , 2004, 39, 339-349.	3.0	42
27	An empirical survey of the perceived benefits of executing BIM and sustainability practices in the built environment. <i>Construction Innovation</i> , 2019, 19, 321-342.	1.5	42
28	Forecasting construction durations for public housing projects: a Hong Kong perspective. <i>Building and Environment</i> , 1999, 34, 633-646.	3.0	37
29	Concomitant impediments to the implementation of smart sustainable practices in the built environment. <i>Sustainable Production and Consumption</i> , 2020, 21, 239-251.	5.7	37
30	Strategies for improving safety performance of repair, maintenance, minor alteration and addition (RMAA) works. <i>Facilities</i> , 2011, 29, 591-610.	0.8	30
31	Adoption and implementation of building information modelling (BIM) in small and medium-sized enterprises (SMEs): a review and conceptualization. <i>Engineering, Construction and Architectural Management</i> , 2021, 28, 1829-1862.	1.8	30
32	Key drivers for smart and sustainable practices in the built environment. <i>Engineering, Construction and Architectural Management</i> , 2020, 27, 1257-1281.	1.8	29
33	Automating the modular construction process: A review of digital technologies and future directions with blockchain technology. <i>Journal of Building Engineering</i> , 2022, 46, 103720.	1.6	29
34	Difficulties in executing the Mandatory Building Inspection Scheme (MBIS) for existing private buildings in Hong Kong. <i>Habitat International</i> , 2015, 48, 97-105.	2.3	28
35	A global taxonomic review and analysis of the development of BIM research between 2006 and 2017. <i>Construction Innovation</i> , 2019, 19, 465-490.	1.5	28
36	Development of a building sustainability assessment method (BSAM) for developing countries in sub-Saharan Africa. <i>Journal of Cleaner Production</i> , 2020, 263, 121514.	4.6	28

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37	Achieving better performance through target cost contracts. <i>Facilities</i> , 2010, 28, 261-277.	0.8	24
38	Potential difficulties in applying the Pay for Safety Scheme (PFSS) in construction projects. <i>Accident Analysis and Prevention</i> , 2012, 48, 145-155.	3.0	24
39	Critical success factors for managing construction small and medium-sized enterprises in developing countries of Middle East: Evidence from Iranian construction enterprises. <i>Journal of Building Engineering</i> , 2021, 43, 103152.	1.6	24
40	Sustainable building maintenance for safer and healthier cities: Effective strategies for implementing the Mandatory Building Inspection Scheme (MBIS) in Hong Kong. <i>Journal of Building Engineering</i> , 2019, 24, 100737.	1.6	23
41	Determining and assessing the risks of commercial and recreational complex building projects in developing countries: a survey of experts in Iran. <i>Journal of Facilities Management</i> , 2020, 18, 259-282.	1.0	22
42	Knowledge, skills and functionalities requirements for quantity surveyors in building information modelling (BIM) work environment: an international Delphi study. <i>Architectural Engineering and Design Management</i> , 2020, 16, 227-246.	1.2	21
43	Risk mitigation strategies for guaranteed maximum price and target cost contracts in construction. <i>Journal of Facilities Management</i> , 2012, 10, 6-25.	1.0	19
44	A Risk Based Approach to Evaluating the Impacts of Zayanderood Drought on Sustainable Development Indicators of Riverside Urban in Isfahan-Iran. <i>Sustainability</i> , 2019, 11, 6797.	1.6	19
45	A Compendium of Buildability Issues from the Viewpoints of Construction Practitioners. <i>Architectural Science Review</i> , 2006, 49, 81-90.	1.1	18
46	Overview of the development and implementation of the mandatory building inspection scheme (MBIS) in Hong Kong. <i>Built Environment Project and Asset Management</i> , 2014, 4, 71-89.	0.9	18
47	An empirical survey of the perceived benefits of implementing the Mandatory Building Inspection Scheme (MBIS) in Hong Kong. <i>Facilities</i> , 2015, 33, 337-366.	0.8	18
48	Cloud-based sustainability assessment (CSA) system for automating the sustainability decision-making process of built assets. <i>Expert Systems With Applications</i> , 2022, 188, 116020.	4.4	18
49	Public Housing Construction in Hong Kong: A Review of its Design and Construction Innovations. <i>Architectural Science Review</i> , 2002, 45, 349-359.	1.1	17
50	Critical analysis of the application of the Safe Working Cycle (SWC). <i>Journal of Facilities Management</i> , 2015, 13, 244-265.	1.0	17
51	Completing abandoned public facility projects by the private sector: results of a Delphi survey in the Iranian Water and Wastewater Company. <i>Journal of Facilities Management</i> , 2020, 18, 547-566.	1.0	17
52	Application of generalized Choquet fuzzy integral method in the sustainability rating of green buildings based on the BSAM scheme. <i>Sustainable Cities and Society</i> , 2020, 61, 102147.	5.1	17
53	Preferred risk allocation in target cost contracts in construction. <i>Facilities</i> , 2011, 29, 542-562.	0.8	16
54	Implementation of Safety Management System for Improving Construction Safety Performance: A Structural Equation Modelling Approach. <i>Buildings</i> , 2019, 9, 89.	1.4	14

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55	Developing a fuzzy risk assessment model for guaranteed maximum price and target cost contracts in South Australia. <i>Facilities</i> , 2014, 32, 624-646.	0.8	13
56	Reasons for Delay in Civil Engineering Projects – the Case of Hong Kong. <i>HKIE Transactions</i> , 1995, 2, 1-8.	1.9	12
57	The Architecture of Built Pedagogy for Active Learning – A Case Study of a University Campus in Hong Kong. <i>Buildings</i> , 2019, 9, 230.	1.4	12
58	Factors affecting delays in rail transportation projects using Analytic Network Process: the case of Iran. <i>International Journal of Construction Management</i> , 2022, 22, 2712-2723.	2.2	12
59	Evaluating urban housing development patterns in developing countries: Case study of Worn-out Urban Fabrics in Iran. <i>Sustainable Cities and Society</i> , 2021, 70, 102941.	5.1	12
60	Barriers to development of private sector investment in water and sewage industry. <i>Built Environment Project and Asset Management</i> , 2020, 11, 52-70.	0.9	9
61	Developing project evaluation models for smart sustainable practices implementation in construction projects: a comparative study between Nigeria and Hong Kong. <i>Engineering, Construction and Architectural Management</i> , 2021, ahead-of-print, .	1.8	9
62	Knowledge-based decision support for BIM adoption by small and medium-sized enterprises in developing economies. <i>Automation in Construction</i> , 2022, 141, 104407.	4.8	9
63	A multi-criteria optimization study for locating industrial warehouses with the integration of BIM and GIS data. <i>Architectural Engineering and Design Management</i> , 2021, 17, 478-495.	1.2	7
64	Guaranteed maximum price (GMP) contracts in practice. <i>Engineering, Construction and Architectural Management</i> , 2011, 18, 188-205.	1.8	6
65	Assessing the Post-Earthquake Temporary Accommodation Risks in Iran Using Fuzzy Delphi Method. <i>Open Construction and Building Technology Journal</i> , 2021, 15, 93-105.	0.3	6
66	BIM divide: an international comparative analysis of perceived barriers to implementation of BIM in the construction industry. <i>Journal of Engineering, Design and Technology</i> , 2021, ahead-of-print, .	1.1	6
67	Integrating building information modelling for improving facility management operations: a fuzzy synthetic evaluation of the critical success factors. <i>Journal of Facilities Management</i> , 2023, 21, 201-220.	1.0	6
68	Is green good: Unveiling the latent benefits of sustainable housing delivery. <i>Cities</i> , 2022, 129, 103809.	2.7	5
69	Determining and assessing the significant barriers of transferring unfinished construction projects from the public sector to the private sector in Iran. <i>Construction Innovation</i> , 2021, 21, 592-607.	1.5	4
70	Comparison of heat strain recovery in different anti-heat stress clothing ensembles after work to exhaustion. <i>Journal of Thermal Biology</i> , 2017, 69, 311-318.	1.1	3
71	Review of design and construction innovations in hong kong public housing. , 2002, , 687-694.		2
72	A hybrid risk assessment approach for assessing the earthquake risks in worn-out urban fabrics: a case study in Iran. <i>International Journal of Disaster Resilience in the Built Environment</i> , 2023, 14, 193-211.	0.7	1