

Daniel W M Chan

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1579701/daniel-w-m-chan-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

141
papers

4,965
citations

40
h-index

67
g-index

153
ext. papers

6,051
ext. citations

3.8
avg, IF

6.38
L-index

#	Paper	IF	Citations
141	Safe Working Cycle: Is It a Panacea to Combat Construction Site Safety Accidents in Hong Kong?. <i>Sustainability</i> , 2022 , 14, 894	3.6	2
140	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	7.8	4
139	Bolstering Measures for Combating the Challenges of Safe Working Cycle Implementation in Hong Kong Construction Industry. <i>Sustainability</i> , 2022 , 14, 3772	3.6	0
138	Determining the main criteria for selecting appropriate methods for repair and maintenance of commercial real estate in Iran. <i>Facilities</i> , 2022 , 40, 281-296	2.2	
137	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	10.3	1
136	Is Public-Private Partnership (PPP) a Preferred Strategy for Procuring Smart Infrastructure in Developed Countries: An Empirical Study of the Perceived Benefits, Barriers and Recommended Strategies. <i>Sustainability</i> , 2022 , 14, 6421	3.6	0
135	Integrating building information modelling for improving facility management operations: a fuzzy synthetic evaluation of the critical success factors. <i>Journal of Facilities Management</i> , 2021 , ahead-of-print,	1.7	1
134	Automating the modular construction process: A review of digital technologies and future directions with blockchain technology. <i>Journal of Building Engineering</i> , 2021 , 103720	5.2	1
133	Prioritization of Contracting Methods for Water and Wastewater Projects Using the Fuzzy Analytic Hierarchy Process Method. <i>Energies</i> , 2021 , 14, 7815	3.1	0
132	Assessing the Barriers and Risks to Private Sector Participation in Infrastructure Construction Projects in Developing Countries of Middle East. <i>Sustainability</i> , 2021 , 13, 153	3.6	9
131	Factors Influencing the Adoption of Blockchain Technology in the Construction Industry: A System Dynamics Approach 2021 , 1235-1249		1
130	Scientometric review and analysis 2021 , 147-162		0
129	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,	3.1	3
128	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	1.1	2
127	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	10.1	6
126	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	3.1	6
125	IDENTIFYING AND PRIORITIZING THE SELECTION CRITERIA OF APPROPRIATE REPAIR AND MAINTENANCE METHODS FOR COMMERCIAL BUILDINGS. <i>International Journal of Strategic Property Management</i> , 2021 , 25, 413-431	1.9	8

124	Identification and Prioritization of Critical Risk Factors of Commercial and Recreational Complex Building Projects: A Delphi Study Using the TOPSIS Method. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 7906	2.6	4
123	Defining work-zones for resource allocation in Hong Kong public housing project construction using heuristic rules and operations simulation. <i>Journal of Information Technology in Construction</i> , 2021 , 26, 657-680	2.5	0
122	Perceptions of Safety Climate in Construction Projects between Workers and Managers/Supervisors in the Developing Country of Iran. <i>Sustainability</i> , 2021 , 13, 10398	3.6	5
121	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	5.2	7
120	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	10.1	9
119	Drivers of Sustainable Adoption of Building Information Modelling (BIM) in the Nigerian Construction Small and Medium-Sized Enterprises (SMEs). <i>Sustainability</i> , 2020 , 12, 3710	3.6	13
118	Critical risk factors for implementing building information modelling (BIM): a Delphi-based survey. <i>International Journal of Construction Management</i> , 2020 , 1-10	1.9	8
117	Evaluating the Impact of Building Information Modeling (BIM) on Mass House Building Projects. <i>Buildings</i> , 2020 , 10, 35	3.2	12
116	Development of a building sustainability assessment method (BSAM) for developing countries in sub-Saharan Africa. <i>Journal of Cleaner Production</i> , 2020 , 263, 121514	10.3	17
115	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> , 2020 , ahead-of-print,	4.1	1
114	Factors affecting delays in rail transportation projects using Analytic Network Process: the case of Iran. <i>International Journal of Construction Management</i> , 2020 , 1-12	1.9	5
113	Profound barriers to building information modelling (BIM) adoption in construction small and medium-sized enterprises (SMEs). <i>Construction Innovation</i> , 2020 , 20, 261-284	4.1	21
112	Key drivers for smart and sustainable practices in the built environment. <i>Engineering, Construction and Architectural Management</i> , 2020 , 27, 1257-1281	3.1	11
111	Green-building information modelling (Green-BIM) assessment framework for evaluating sustainability performance of building projects: a case of Nigeria. <i>Architectural Engineering and Design Management</i> , 2020 , 1-20	1.2	3
110	Barriers to development of private sector investment in water and sewage industry. <i>Built Environment Project and Asset Management</i> , 2020 , 11, 52-70	1.9	4
109	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	1.7	9
108	A systematic literature review and analysis towards developing PPP models for delivering smart infrastructure. <i>Built Environment Project and Asset Management</i> , 2020 , 11, 121-137	1.9	6
107	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	1.7	12

106	Concomitant impediments to the implementation of smart sustainable practices in the built environment. <i>Sustainable Production and Consumption</i> , 2020 , 21, 239-251	8.2	17
105	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	7
104	Development of a benchmarking model for BIM implementation in developing countries. <i>Benchmarking</i> , 2019 , 26, 1210-1232	4	26
103	A global taxonomic review and analysis of the development of BIM research between 2006 and 2017. <i>Construction Innovation</i> , 2019 , 19, 465-490	4.1	16
102	A Scientometric Review and Metasynthesis of Building Information Modelling (BIM) Research in Africa. <i>Buildings</i> , 2019 , 9, 85	3.2	42
101	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	4.1	25
100	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	5.2	91
99	Implementation of Safety Management System for Improving Construction Safety Performance: A Structural Equation Modelling Approach. <i>Buildings</i> , 2019 , 9, 89	3.2	6
98	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	5.2	12
97	Implementation of safety management system in managing construction projects: Benefits and obstacles. <i>Safety Science</i> , 2019 , 117, 23-32	5.8	30
96	BUILDING INFORMATION MODELLING AND PROJECT INFORMATION MANAGEMENT FRAMEWORK FOR CONSTRUCTION PROJECTS. <i>Journal of Civil Engineering and Management</i> , 2019 , 25, 53-75	3	32
95	Critical success factors for building information modelling (BIM) implementation in Hong Kong. <i>Engineering, Construction and Architectural Management</i> , 2019 , 26, 1838-1854	3.1	28
94	The Architecture of Built Pedagogy for Active Learning: A Case Study of a University Campus in Hong Kong. <i>Buildings</i> , 2019 , 9, 230	3.2	4
93	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	3.6	11
92	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	6.7	44
91	A scientometric review of global research on sustainability and sustainable development. <i>Journal of Cleaner Production</i> , 2018 , 183, 231-250	10.3	291
90	Pilot Case Study of New Engineering Contracts (NECs) in Hong Kong: Joy or Tears? 2018 , 1103-1111		0
89	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	4	45

88	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	10.1	78
87	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	5.2	77
86	A DATA-DRIVEN APPROACH TO IDENTIFY-QUANTIFY-ANALYSE CONSTRUCTION RISK FOR HONG KONG NEC PROJECTS. <i>Journal of Civil Engineering and Management</i> , 2018 , 24, 592-606	3	8
85	Project characteristics indicating safety performance. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 110	0.8	
84	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	2.9	2
83	A field study of the effectiveness and practicality of a novel hybrid personal cooling vest worn during rest in Hong Kong construction industry. <i>Journal of Thermal Biology</i> , 2017 , 70, 21-27	2.9	21
82	EVOLUTION IN THE INTELLECTUAL STRUCTURE OF BIM RESEARCH: A BIBLIOMETRIC ANALYSIS. <i>Journal of Civil Engineering and Management</i> , 2017 , 23, 1060-1081	3	75
81	Review of Joint Venture Studies in Construction 2017 ,		2
80	Analysis of the Effectiveness of Instructional Strategies for Construction Management Students. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2016 , 142, 04016001	0.7	3
79	Difficulties in executing the Mandatory Building Inspection Scheme (MBIS) for existing private buildings in Hong Kong. <i>Habitat International</i> , 2015 , 48, 97-105	4.6	21
78	Critical analysis of the application of the Safe Working Cycle (SWC). <i>Journal of Facilities Management</i> , 2015 , 13, 244-265	1.7	13
77	Wearing comfort of two construction work uniforms. <i>Construction Innovation</i> , 2015 , 15, 473-492	4.1	4
76	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	2.2	14
75	Research trend of joint ventures in construction: a two-decade taxonomic review. <i>Journal of Facilities Management</i> , 2014 , 12, 118-141	1.7	61
74	Developing a fuzzy risk assessment model for guaranteed maximum price and target cost contracts in South Australia. <i>Facilities</i> , 2014 , 32, 624-646	2.2	9
73	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	1.9	14
72	Developing a Benchmarking Model for Construction Projects in Hong Kong. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013 , 139, 705-716	4.2	42
71	Using the Thermal Work Limit as an Environmental Determinant of Heat Stress for Construction Workers. <i>Journal of Management in Engineering - ASCE</i> , 2013 , 29, 414-423	5.3	37

70	Defining relational contracting from the Wittgenstein family-resemblance philosophy. <i>International Journal of Project Management</i> , 2012 , 30, 225-239	7.6	55
69	Risk mitigation strategies for guaranteed maximum price and target cost contracts in construction. <i>Journal of Facilities Management</i> , 2012 , 10, 6-25	1.7	15
68	Critical Analysis of Partnering Research Trend in Construction Journals. <i>Journal of Management in Engineering - ASCE</i> , 2012 , 28, 82-95	5.3	97
67	Potential difficulties in applying the Pay for Safety Scheme (PFSS) in construction projects. <i>Accident Analysis and Prevention</i> , 2012 , 48, 145-55	6.1	21
66	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	6.5	44
65	A Comparative Study of the Benefits of Applying Target Cost Contracts between South Australia and Hong Kong. <i>Project Management Journal</i> , 2012 , 43, 4-20	3.5	7
64	Fuzzy Set Theory Approach for Measuring the Performance of Relationship-Based Construction Projects in Australia. <i>Journal of Management in Engineering - ASCE</i> , 2012 , 28, 181-192	5.3	17
63	Exploring the applicability of construction partnering in Mainland China. <i>Facilities</i> , 2012 , 30, 667-694	2.2	6
62	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	2.2	42
61	Guaranteed maximum price (GMP) contracts in practice. <i>Engineering, Construction and Architectural Management</i> , 2011 , 18, 188-205	3.1	5
60	Preferred risk allocation in target cost contracts in construction. <i>Facilities</i> , 2011 , 29, 542-562	2.2	14
59	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	7.6	40
58	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	7.6	81
57	Perceived benefits of applying Pay for Safety Scheme (PFSS) in construction – A factor analysis approach. <i>Safety Science</i> , 2011 , 49, 813-823	5.8	49
56	Developing a fuzzy risk assessment model for guaranteed maximum price and target cost contracts in construction. <i>Journal of Facilities Management</i> , 2011 , 9, 34-51	1.7	11
55	Strategies for improving safety performance of repair, maintenance, minor alteration and addition (RMAA) works. <i>Facilities</i> , 2011 , 29, 591-610	2.2	22
54	?Potential Obstacles to Successful Implementation of Public-Private Partnerships in Beijing and the Hong Kong Special Administrative Region. <i>Journal of Management in Engineering - ASCE</i> , 2010 , 26, 30-40	5.3	89
53	Achieving better performance through target cost contracts. <i>Facilities</i> , 2010 , 28, 261-277	2.2	21

52	Benchmarking success of building maintenance projects. <i>Facilities</i> , 2010 , 28, 290-305	2.2	30
51	Empirical Study of the Risks and Difficulties in Implementing Guaranteed Maximum Price and Target Cost Contracts in Construction. <i>Journal of Construction Engineering and Management - ASCE</i> , 2010 , 136, 495-507	4.2	27
50	Critical Success Factors for PPPs in Infrastructure Developments: Chinese Perspective. <i>Journal of Construction Engineering and Management - ASCE</i> , 2010 , 136, 484-494	4.2	236
49	A critical review of performance measurement in construction. <i>Journal of Facilities Management</i> , 2010 , 8, 269-284	1.7	56
48	Identifying the critical success factors for target cost contracts in the construction industry. <i>Journal of Facilities Management</i> , 2010 , 8, 179-201	1.7	21
47	Management of client requirements for design and build projects in the construction industry of Hong Kong. <i>Facilities</i> , 2010 , 28, 657-672	2.2	17
46	Developing a risk assessment model for PPP projects in China [A fuzzy synthetic evaluation approach. <i>Automation in Construction</i> , 2010 , 19, 929-943	9.6	212
45	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, 433-43	4	46
44	Developing a Performance Index for Relationship-Based Construction Projects in Australia: Delphi Study. <i>Journal of Management in Engineering - ASCE</i> , 2009 , 25, 59-68	5.3	84
43	Drivers for Adopting Public Private Partnerships Empirical Comparison between China and Hong Kong Special Administrative Region. <i>Journal of Construction Engineering and Management - ASCE</i> , 2009 , 135, 1115-1124	4.2	87
42	A computerized model for measuring and benchmarking the partnering performance of construction projects. <i>Automation in Construction</i> , 2009 , 18, 1099-1113	9.6	28
41	Overview of the Application of Fuzzy Techniques In Construction Management Research. <i>Journal of Construction Engineering and Management - ASCE</i> , 2009 , 135, 1241-1252	4.2	98
40	Privileges and attractions for private sector involvement in PPP projects 2009 ,		2
39	Achieving Partnering Success through an Incentive Agreement: Lessons Learned from an Underground Railway Extension Project in Hong Kong. <i>Journal of Management in Engineering - ASCE</i> , 2008 , 24, 128-137	5.3	44
38	Establishing quantitative indicators for measuring the partnering performance of construction projects in Hong Kong. <i>Construction Management and Economics</i> , 2008 , 26, 277-301	3	41
37	Work at Height Fatalities in the Repair, Maintenance, Alteration, and Addition Works. <i>Journal of Construction Engineering and Management - ASCE</i> , 2008 , 134, 527-535	4.2	57
36	Benchmarking Buildability Using the Buildability Assessment Model in Hong Kong. <i>HKIE Transactions</i> , 2008 , 15, 7-17	2.9	0
35	Wire frame representation of 3D moulded bra cup and its application to example-based design. <i>Fibers and Polymers</i> , 2008 , 9, 653-658	2	13

34	The definition of alliancing in construction as a Wittgenstein family-resemblance concept. <i>International Journal of Project Management</i> , 2007 , 25, 219-231	7.6	56
33	Development of a partnering performance index (PPI) for construction projects in Hong Kong: a Delphi study. <i>Construction Management and Economics</i> , 2007 , 25, 1219-1237	3	117
32	Evaluating guaranteed maximum price and target cost contracting strategies in Hong Kong construction industry. <i>Journal of Financial Management of Property and Construction</i> , 2007 , 12, 139-150	1.5	24
31	Benchmarking the performance of design-build projects. <i>Benchmarking</i> , 2007 , 14, 624-638	4	38
30	An Empirical Study on the Problems of Running Design and Build Projects in Construction. <i>International Journal of Construction Management</i> , 2007 , 7, 1-15	1.9	1
29	Lessons from Managing Design-Build Construction Projects in Hong Kong. <i>Architectural Science Review</i> , 2006 , 49, 133-142	2.6	
28	Barriers to Applying the Design-build Procurement Method in Hong Kong. <i>Architectural Science Review</i> , 2006 , 49, 189-195	2.6	3
27	A Compendium of Buildability Issues from the Viewpoints of Construction Practitioners. <i>Architectural Science Review</i> , 2006 , 49, 81-90	2.6	6
26	Partnering for construction excellence: A reality or myth?. <i>Building and Environment</i> , 2006 , 41, 1924-1933	6.5	44
25	An empirical Survey of the Success Criteria for Running Healthcare Projects. <i>Architectural Science Review</i> , 2005 , 48, 61-68	2.6	4
24	Benchmarking design-build procurement systems in construction. <i>Benchmarking</i> , 2004 , 11, 287-302	4	26
23	Developing a benchmark model for project construction time performance in Hong Kong. <i>Building and Environment</i> , 2004 , 39, 339-349	6.5	28
22	Development of the Design-Build Procurement System in Hong Kong. <i>Architectural Science Review</i> , 2004 , 47, 387-397	2.6	3
21	Exploring Critical Success Factors for Partnering in Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2004 , 130, 188-198	4.2	271
20	Perceptions on the Application of Design-Build Procurement System in Hong Kong. <i>Architectural Science Review</i> , 2003 , 46, 419-425	2.6	2
19	Why is Design-Build Commonly Used in the Public Sector? An Illustration from Hong Kong. <i>Construction Economics and Building</i> , 2003 , 3, 53-62	0.9	4
18	Potential Problems of Running Design-build Projects in Construction. <i>HKIE Transactions</i> , 2003 , 10, 8-14	2.9	1
17	A Benchmark Model for Construction Duration in Public Housing Developments. <i>International Journal of Construction Management</i> , 2003 , 3, 1-14	1.9	9

16	Partnering in Construction: Critical Study of Problems for Implementation. <i>Journal of Management in Engineering - ASCE</i> , 2003 , 19, 126-135	5.3	96
15	An empirical study of the benefits of construction partnering in Hong Kong. <i>Construction Management and Economics</i> , 2003 , 21, 523-533	3	119
14	Compressing construction durations: lessons learned from Hong Kong building projects. <i>International Journal of Project Management</i> , 2002 , 20, 23-35	7.6	91
13	Public Housing Construction in Hong Kong: A Review of its Design and Construction Innovations. <i>Architectural Science Review</i> , 2002 , 45, 349-359	2.6	17
12	Review of design and construction innovations in hong kong public housing 2002 , 687-694		2
11	Forecasting construction durations for public housing projects: a Hong Kong perspective. <i>Building and Environment</i> , 1999 , 34, 633-646	6.5	27
10	Modelling and predicting construction durations in Hong Kong public housing. <i>Construction Management and Economics</i> , 1999 , 17, 351-362	3	31
9	Contributors to construction delays. <i>Construction Management and Economics</i> , 1998 , 16, 17-29	3	125
8	A comparative study of causes of time overruns in Hong Kong construction projects. <i>International Journal of Project Management</i> , 1997 , 15, 55-63	7.6	417
7	An evaluation of construction time performance in the building industry. <i>Building and Environment</i> , 1996 , 31, 569-578	6.5	108
6	Reasons for Delay in Civil Engineering Projects [The Case of Hong Kong. <i>HKIE Transactions</i> , 1995 , 2, 1-8	2.9	7
5	A study of the factors affecting construction durations in Hong Kong. <i>Construction Management and Economics</i> , 1995 , 13, 319-333	3	81
4	Determinants of construction duration. <i>Construction Management and Economics</i> , 1995 , 13, 209-217	3	60
3	Applicability of public-private partnerships in smart infrastructure development: the case of Hong Kong. <i>International Journal of Construction Management</i> , 1-13	1.9	2
2	A multi-criteria optimization study for locating industrial warehouses with the integration of BIM and GIS data. <i>Architectural Engineering and Design Management</i> , 1-18	1.2	2
1	A contextualist perspective to drivers of BIM in the architecture, engineering and construction (AEC) industry. <i>International Journal of Construction Management</i> , 1-11	1.9	0