

Daniel W M Chan

List of Publications by Citations

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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	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
140	A scientometric review of global research on sustainability and sustainable development. <i>Journal of Cleaner Production</i> , 2018 , 183, 231-250	10.3	291
139	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
138	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
137	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
136	Contributors to construction delays. <i>Construction Management and Economics</i> , 1998 , 16, 17-29	3	125
135	An empirical study of the benefits of construction partnering in Hong Kong. <i>Construction Management and Economics</i> , 2003 , 21, 523-533	3	119
134	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
133	An evaluation of construction time performance in the building industry. <i>Building and Environment</i> , 1996 , 31, 569-578	6.5	108
132	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
131	Critical Analysis of Partnering Research Trend in Construction Journals. <i>Journal of Management in Engineering - ASCE</i> , 2012 , 28, 82-95	5.3	97
130	Partnering in Construction: Critical Study of Problems for Implementation. <i>Journal of Management in Engineering - ASCE</i> , 2003 , 19, 126-135	5.3	96
129	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
128	Compressing construction durations: lessons learned from Hong Kong building projects. <i>International Journal of Project Management</i> , 2002 , 20, 23-35	7.6	91
127	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
126	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
125	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

124	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
123	A study of the factors affecting construction durations in Hong Kong. <i>Construction Management and Economics</i> , 1995 , 13, 319-333	3	81
122	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
121	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
120	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
119	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
118	Determinants of construction duration. <i>Construction Management and Economics</i> , 1995 , 13, 209-217	3	60
117	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
116	A critical review of performance measurement in construction. <i>Journal of Facilities Management</i> , 2010 , 8, 269-284	1.7	56
115	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
114	Defining relational contracting from the Wittgenstein family-resemblance philosophy. <i>International Journal of Project Management</i> , 2012 , 30, 225-239	7.6	55
113	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
112	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
111	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
110	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
109	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
108	Partnering for construction excellence[A reality or myth?. <i>Building and Environment</i> , 2006 , 41, 1924-1933	6.5	44
107	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

106	A Scientometric Review and Metasynthesis of Building Information Modelling (BIM) Research in Africa. <i>Buildings</i> , 2019 , 9, 85	3.2	42
105	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
104	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
103	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
102	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
101	Benchmarking the performance of design-build projects. <i>Benchmarking</i> , 2007 , 14, 624-638	4	38
100	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
99	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
98	Modelling and predicting construction durations in Hong Kong public housing. <i>Construction Management and Economics</i> , 1999 , 17, 351-362	3	31
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	Benchmarking success of building maintenance projects. <i>Facilities</i> , 2010 , 28, 290-305	2.2	30
95	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
94	Developing a benchmark model for project construction time performance in Hong Kong. <i>Building and Environment</i> , 2004 , 39, 339-349	6.5	28
93	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
92	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
91	Forecasting construction durations for public housing projects: a Hong Kong perspective. <i>Building and Environment</i> , 1999 , 34, 633-646	6.5	27
90	Development of a benchmarking model for BIM implementation in developing countries. <i>Benchmarking</i> , 2019 , 26, 1210-1232	4	26
89	Benchmarking design-build procurement systems in construction. <i>Benchmarking</i> , 2004 , 11, 287-302	4	26

88	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
87	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
86	Strategies for improving safety performance of repair, maintenance, minor alteration and addition (RMAA) works. <i>Facilities</i> , 2011 , 29, 591-610	2.2	22
85	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
84	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
83	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
82	Achieving better performance through target cost contracts. <i>Facilities</i> , 2010 , 28, 261-277	2.2	21
81	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
80	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
79	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
78	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
77	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
76	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
75	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
74	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
73	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
72	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
71	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

70	Preferred risk allocation in target cost contracts in construction. <i>Facilities</i> , 2011 , 29, 542-562	2.2	14
69	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
68	Critical analysis of the application of the Safe Working Cycle (SWC). <i>Journal of Facilities Management</i> , 2015 , 13, 244-265	1.7	13
67	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
66	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
65	Evaluating the Impact of Building Information Modeling (BIM) on Mass House Building Projects. <i>Buildings</i> , 2020 , 10, 35	3.2	12
64	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
63	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
62	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
61	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
60	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
59	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
58	A Benchmark Model for Construction Duration in Public Housing Developments. <i>International Journal of Construction Management</i> , 2003 , 3, 1-14	1.9	9
57	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
56	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
55	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
54	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
53	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

52	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
51	Reasons for Delay in Civil Engineering Projects [The Case of Hong Kong. <i>HKIE Transactions</i> , 1995 , 2, 1-8	2.9	7
50	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
49	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
48	Implementation of Safety Management System for Improving Construction Safety Performance: A Structural Equation Modelling Approach. <i>Buildings</i> , 2019 , 9, 89	3.2	6
47	Exploring the applicability of construction partnering in Mainland China. <i>Facilities</i> , 2012 , 30, 667-694	2.2	6
46	A Compendium of Buildability Issues from the Viewpoints of Construction Practitioners. <i>Architectural Science Review</i> , 2006 , 49, 81-90	2.6	6
45	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
44	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
43	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
42	Guaranteed maximum price (GMP) contracts in practice. <i>Engineering, Construction and Architectural Management</i> , 2011 , 18, 188-205	3.1	5
41	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
40	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
39	Wearing comfort of two construction work uniforms. <i>Construction Innovation</i> , 2015 , 15, 473-492	4.1	4
38	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
37	An empirical Survey of the Success Criteria for Running Healthcare Projects. <i>Architectural Science Review</i> , 2005 , 48, 61-68	2.6	4
36	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
35	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

34	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
33	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
32	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
31	Barriers to Applying the Design-build Procurement Method in Hong Kong. <i>Architectural Science Review</i> , 2006 , 49, 189-195	2.6	3
30	Development of the Design-Build Procurement System in Hong Kong. <i>Architectural Science Review</i> , 2004 , 47, 387-397	2.6	3
29	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
28	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
27	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
26	Review of Joint Venture Studies in Construction 2017 ,		2
25	Perceptions on the Application of Design-Build Procurement System in Hong Kong. <i>Architectural Science Review</i> , 2003 , 46, 419-425	2.6	2
24	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
23	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
22	Review of design and construction innovations in hong kong public housing 2002 , 687-694		2
21	Privileges and attractions for private sector involvement in PPP projects 2009 ,		2
20	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
19	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
18	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
17	Potential Problems of Running Design-build Projects in Construction. <i>HKIE Transactions</i> , 2003 , 10, 8-14	2.9	1

16	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
15	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
14	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
13	Factors Influencing the Adoption of Blockchain Technology in the Construction Industry: A System Dynamics Approach 2021 , 1235-1249		1
12	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
11	Pilot Case Study of New Engineering Contracts (NECs) in Hong Kong Joy or Tears? 2018 , 1103-1111		0
10	Benchmarking Buildability Using the Buildability Assessment Model in Hong Kong. <i>HKIE Transactions</i> , 2008 , 15, 7-17	2.9	0
9	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
8	Scientometric review and analysis 2021 , 147-162		0
7	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
6	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
5	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
4	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
3	Lessons from Managing Design-Build Construction Projects in Hong Kong. <i>Architectural Science Review</i> , 2006 , 49, 133-142	2.6	
2	Project characteristics indicating safety performance. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 110	0.8	
1	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	