

Heap-Yih Chong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5305942/publications.pdf>

Version: 2024-02-01

118
papers

3,370
citations

136740

32
h-index

168136

53
g-index

119
all docs

119
docs citations

119
times ranked

2336
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling the blockchain adoption barriers in the AEC industry. <i>Engineering, Construction and Architectural Management</i> , 2023, 30, 125-153.	1.8	28
2	Exploring construction workers's brain connectivity during hazard recognition: a cognitive psychology perspective. <i>International Journal of Occupational Safety and Ergonomics</i> , 2023, 29, 207-215.	1.1	4
3	Agent-based modelling of helping behaviour diffusion in project teams as an evolutionary process. <i>Journal of Simulation</i> , 2023, 17, 279-296.	1.0	5
4	The effective mediating role of stakeholder management in the relationship between BIM implementation and project performance. <i>Engineering, Construction and Architectural Management</i> , 2023, 30, 2503-2522.	1.8	6
5	Integrated frameworks of construction procurement systems for off-site manufacturing projects: social network analysis. <i>International Journal of Construction Management</i> , 2022, 22, 2089-2097.	2.2	9
6	Blockchain in the AECO industry: Current status, key topics, and future research agenda. <i>Automation in Construction</i> , 2022, 134, 104101.	4.8	35
7	Impact of Contractual Flexibility on BIM-Enabled PPP Project Performance during the Construction Phase. <i>Journal of Infrastructure Systems</i> , 2022, 28, .	1.0	10
8	The effects of shared vision on value co-creation in megaprojects: A multigroup analysis between clients and main contractors. <i>International Journal of Project Management</i> , 2022, 40, 218-234.	2.7	13
9	Effects of Contractual and Relational Governances on BIM Collaboration and Implementation for Project Performance Improvement. <i>Journal of Construction Engineering and Management - ASCE</i> , 2022, 148, .	2.0	9
10	Effect between Trust in Communication Technology and Interorganizational Trust in BIM-Enabled Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2022, 148, .	2.0	2
11	Planning and coordination of modular construction. <i>Automation in Construction</i> , 2022, 141, 104455.	4.8	11
12	Development of a time-variant causal model of human error in construction with dynamic Bayesian network. <i>Engineering, Construction and Architectural Management</i> , 2021, 28, 291-307.	1.8	10
13	Environmental sustainability of off-site manufacturing: a literature review. <i>Engineering, Construction and Architectural Management</i> , 2021, 28, 332-350.	1.8	22
14	Incorporation of hazard rectification performance for safety assessment. <i>International Journal of Occupational Safety and Ergonomics</i> , 2021, , 1-14.	1.1	1
15	Normative Visual Patterns for Hazard Recognition: A Crisp-Set Qualitative Comparative Analysis Approach. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 1545-1554.	0.9	6
16	A Novel Approach Based on Fluid Dynamics for On-Site Safety Assessment. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 1533-1544.	0.9	1
17	A Review of Employer-Caused Delay Factors in Traditional and Building Information Modeling (BIM)-Enabled Projects: Research Framework. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-24.	0.4	2
18	A Review of Smart Contracts Applications in Various Industries: A Procurement Perspective. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-25.	0.4	12

#	ARTICLE	IF	CITATIONS
19	A systematic review and meta-analysis of building automation systems. <i>Building and Environment</i> , 2021, 195, 107770.	3.0	28
20	Building information modelling (BIM) penetration in quantity surveying (QS) practice. <i>Built Environment Project and Asset Management</i> , 2021, 11, 888-902.	0.9	9
21	Circular Economy and Virtual Reality in Advanced BIM-Based Prefabricated Construction. <i>Energies</i> , 2021, 14, 4065.	1.6	35
22	Influence of Prior Ties on Trust and Contract Functions for BIM-Enabled EPC Megaproject Performance. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021, 147, .	2.0	16
23	Greening existing buildings through Building Information Modelling: A review of the recent development. <i>Building and Environment</i> , 2021, 200, 107924.	3.0	23
24	A Research Framework of Mitigating Construction Accidents in High-Rise Building Projects via Integrating Building Information Modeling with Emerging Digital Technologies. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8359.	1.3	22
25	Risk-Based Metanetwork Modeling for Sustainable Project Performance in International Construction. <i>Journal of Infrastructure Systems</i> , 2021, 27, 04021020.	1.0	5
26	BIM's Formal and Informal Collaborative Networks in Traditional Procurement: Insights from the Construction Phase of a Hospital Case Study. <i>Journal of Management in Engineering - ASCE</i> , 2021, 37, 05021008.	2.6	6
27	Design for disassembly, deconstruction and resilience: A circular economy index for the built environment. <i>Resources, Conservation and Recycling</i> , 2021, 175, 105847.	5.3	44
28	Government subsidy strategy for public-private-partnership retrofit buildings in China. <i>Energy and Buildings</i> , 2021, 252, 111455.	3.1	15
29	Interconnections: An Analysis of Disassemblable Building Connection Systems towards a Circular Economy. <i>Buildings</i> , 2021, 11, 535.	1.4	9
30	An Innovative Framework of 5D BIM Solutions for Construction Cost Management: A Systematic Review. <i>Archives of Computational Methods in Engineering</i> , 2020, 27, 1013-1030.	6.0	45
31	Efficiency improvement by navigated safety inspection involving visual clutter based on the random search model. <i>International Journal of Occupational Safety and Ergonomics</i> , 2020, 26, 740-752.	1.1	3
32	Real-time safety inspection and planning: A first application of the Fagan nomogram. <i>Canadian Journal of Civil Engineering</i> , 2020, 47, 438-449.	0.7	3
33	Revisiting triple bottom line within the context of sustainable construction: A systematic review. <i>Journal of Cleaner Production</i> , 2020, 252, 119884.	4.6	65
34	Improving the sustainable retirement village framework: From theory to practice. <i>Journal of Cleaner Production</i> , 2020, 248, 119290.	4.6	11
35	Identification of critical risks in international engineering procurement construction projects of Chinese contractors from the network perspective. <i>Canadian Journal of Civil Engineering</i> , 2020, 47, 1359-1371.	0.7	11
36	Logistic regression modeling of implementation of corporate safety policy in international infrastructures. <i>Engineering, Construction and Architectural Management</i> , 2020, 27, 3031-3050.	1.8	1

#	ARTICLE	IF	CITATIONS
37	Pathways for the Improvement of Construction Productivity: A Perspective on the Adoption of Advanced Techniques. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-17.	0.4	9
38	Joint Contractâ€™Function Effects on BIM-Enabled EPC Project Performance. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020, 146, .	2.0	27
39	Integrating advanced technologies to uphold security of payment: Data flow diagram. <i>Automation in Construction</i> , 2020, 114, 103158.	4.8	69
40	Mapping BIM Uses for Risk Mitigation in International Construction Projects. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-13.	0.4	11
41	Relationship between safety measures and human error in the construction industry: working at heights. <i>International Journal of Occupational Safety and Ergonomics</i> , 2020, , 1-12.	1.1	15
42	Fairness preference based decision-making model for concession period in PPP projects. <i>Journal of Industrial and Management Optimization</i> , 2020, 16, 11-23.	0.8	7
43	A Cross-Systematic Review of Addressing Risks in Building Information Modelling-Enabled International Construction Projects. <i>Archives of Computational Methods in Engineering</i> , 2019, 26, 899-931.	6.0	13
44	Relationship between BIM Implementation and Performance of OSM Projects. <i>Journal of Management in Engineering - ASCE</i> , 2019, 35, .	2.6	32
45	Interactions between building information modelling and off-site manufacturing for productivity improvement. <i>International Journal of Managing Projects in Business</i> , 2019, 13, 233-255.	1.3	21
46	Exploring eye-tracking searching strategies for construction hazard recognition in a laboratory scene. <i>Safety Science</i> , 2019, 120, 824-832.	2.6	42
47	A comparative review and framework development on public participation for decision-making in Chinese public projects. <i>Environmental Impact Assessment Review</i> , 2019, 75, 79-87.	4.4	32
48	Probabilistic-Based Cascading Failure Approach to Assessing Workplace Hazards Affecting Human Error. <i>Journal of Management in Engineering - ASCE</i> , 2019, 35, .	2.6	14
49	Understanding Stakeholders in Off-Site Manufacturing: A Literature Review. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019, 145, .	2.0	56
50	A hybrid group decision model for green supplier selection: a case study of megaprojects. <i>Engineering, Construction and Architectural Management</i> , 2019, 26, 1712-1734.	1.8	40
51	A System Dynamics Model of Prevention through Design towards Eliminating Human Error. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 1923-1938.	0.9	6
52	Collaborative information integration for construction safety monitoring. <i>Automation in Construction</i> , 2019, 102, 120-134.	4.8	51
53	Sustainability perceptions of off-site manufacturing stakeholders in Australia. <i>Journal of Cleaner Production</i> , 2019, 227, 346-354.	4.6	114
54	Latent Provisions for Building Information Modeling (BIM) Contracts: A Social Network Analysis Approach. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 1427-1435.	0.9	28

#	ARTICLE	IF	CITATIONS
55	Contractual practices between the consultant and employer in Chinese BIM-enabled construction projects. <i>Engineering, Construction and Architectural Management</i> , 2019, 27, 227-244.	1.8	10
56	Integration Model of Fuzzy AHP and Life-Cycle Cost Analysis for Evaluating Highway Infrastructure Investments. <i>Journal of Infrastructure Systems</i> , 2019, 25, .	1.0	13
57	Interactive mechanism of working environments and construction behaviors with cognitive work analysis: an elevator installation case study. <i>International Journal of Occupational Safety and Ergonomics</i> , 2019, 25, 362-376.	1.1	16
58	CONCESSION MODEL FOR FAIR DISTRIBUTION OF BENEFITS AND RISKS IN BUILD-OPERATE-TRANSFER ROAD PROJECTS. <i>Journal of Civil Engineering and Management</i> , 2019, 25, 265-275.	1.9	8
59	A Process Model of Information Sharing and Knowledge Integration for Project Performance. , 2019, , 663-678.		0
60	Making sense of safety in systemic and cultural contexts. , 2019, , 179-190.		0
61	Critical Review of Social Network Analysis Applications in Complex Project Management. <i>Journal of Management in Engineering - ASCE</i> , 2018, 34, .	2.6	92
62	The Potential Cost Implications and Benefits from Building Information Modeling (BIM) in Malaysian Construction Industry. , 2018, , 1439-1454.		1
63	Identifying Effective Management Factors Across Human Errors – A Case in Elevator Installation. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 3204-3214.	0.9	16
64	Streamlining Digital Modeling and Building Information Modelling (BIM) Uses for the Oil and Gas Projects. <i>Archives of Computational Methods in Engineering</i> , 2018, 25, 349-396.	6.0	18
65	Empirical Analysis of Firms' Willingness to Participate in Infrastructure PPP Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018, 144, .	2.0	27
66	The Influence of Social Capitalism on Construction Safety Behaviors: An Exploratory Megaproject Case Study. <i>Sustainability</i> , 2018, 10, 3098.	1.6	13
67	A Coordinated Approach for Supply-Chain Tracking in the Liquefied Natural Gas Industry. <i>Sustainability</i> , 2018, 10, 4822.	1.6	10
68	Causes of delays in the construction phase of Chinese building projects. <i>Engineering, Construction and Architectural Management</i> , 2018, 25, 1534-1551.	1.8	41
69	Robust Optimization for Integrated Construction Scheduling and Multiscale Resource Allocation. <i>Complexity</i> , 2018, 2018, 1-17.	0.9	5
70	A Bibliometric Review on Risk Management and Building Information Modeling for International Construction. <i>Advances in Civil Engineering</i> , 2018, 2018, 1-13.	0.4	38
71	Nexus of Interorganizational Trust, Principled Negotiation, and Joint Action for Improved Cost Performance: Survey of Chinese Megaprojects. <i>Journal of Management in Engineering - ASCE</i> , 2018, 34, .	2.6	33
72	Enhancing BIM Performance in EPC Projects through Integrative Trust-Based Functional Contracting Model. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018, 144, .	2.0	25

#	ARTICLE	IF	CITATIONS
73	A CRITICAL REVIEW OF LEGAL ISSUES AND SOLUTIONS ASSOCIATED WITH BUILDING INFORMATION MODELLING. Technological and Economic Development of Economy, 2018, 24, 2098-2130.	2.3	34
74	Supply Chain Management in Megaprojects. Journal of Management in Engineering - ASCE, 2017, 33, 02017001.	2.6	3
75	Cost implications for certified Green Building Index buildings. Proceedings of Institution of Civil Engineers: Waste and Resource Management, 2017, 170, 29-40.	0.9	4
76	A cross-sector review on the use of value stream mapping. International Journal of Production Research, 2017, 55, 3906-3928.	4.9	80
77	Financing Decision Model for Toll Roads: Balancing Economic and Public Attributes. Journal of Management in Engineering - ASCE, 2017, 33, .	2.6	10
78	Preliminary Contractual Framework for BIM-Enabled Projects. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	2.0	56
79	A conceptual framework for Social Network Analysis of Building Information Modelling in construction projects. , 2017, , .		1
80	A comprehensive analysis of the credits obtained by LEED 2009 certified green buildings. Renewable and Sustainable Energy Reviews, 2017, 68, 370-379.	8.2	103
81	A mixed review of the adoption of Building Information Modelling (BIM) for sustainability. Journal of Cleaner Production, 2017, 142, 4114-4126.	4.6	257
82	Building information modeling in construction conflict management. International Journal of Engineering Business Management, 2017, 9, 184797901774625.	2.1	40
83	The roles of project stakeholders in EPCM BIM-enabled projects. , 2017, , .		1
84	CASE STUDY ON SUBCONTRACTING ARRANGEMENTS IN THE SCAFFOLDING SUPPLY CHAIN OF A LIQUEFIED NATURAL GAS INFRASTRUCTURE PROJECT. Journal of Civil Engineering and Management, 2017, 23, 1136-1147.	1.9	4
85	Integrated Supplier Selection Framework in a Resilient Construction Supply Chain: An Approach via Analytic Hierarchy Process (AHP) and Grey Relational Analysis (GRA). Sustainability, 2017, 9, 289.	1.6	118
86	Examining the Interrelationship among Critical Success Factors of Public Private Partnership Infrastructure Projects. Sustainability, 2016, 8, 1313.	1.6	42
87	Comparative Analysis on the Adoption and Use of BIM in Road Infrastructure Projects. Journal of Management in Engineering - ASCE, 2016, 32, .	2.6	106
88	A practical approach in clarifying legal drafting: Delphi and case study in Malaysia. Engineering, Construction and Architectural Management, 2016, 23, 610-621.	1.8	7
89	The outlook of building information modeling for sustainable development. Clean Technologies and Environmental Policy, 2016, 18, 1877-1887.	2.1	32
90	Building information modeling-based integration of MEP layout designs and constructability. Automation in Construction, 2016, 61, 134-146.	4.8	85

#	ARTICLE	IF	CITATIONS
91	Cost-based scheduling method using object-oriented approach. Automation in Construction, 2016, 65, 65-77.	4.8	5
92	Technical Review: Analysis and Appraisal of Four-Dimensional Building Information Modeling Usability in Construction and Engineering Projects. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	2.0	23
93	Guidelines of Using Project Management Tools and Techniques to Mitigate Factors Causing Delays in Public Construction Projects in Kingdom of Saudi Arabia. Journal of Engineering, Project, and Production Management, 2016, 6, 90-103.	0.5	6
94	Revisiting U.K. Delay and Disruption Protocol: Distinguished Features for Contract Drafting. Journal of Management in Engineering - ASCE, 2015, 31, 06014004.	2.6	2
95	Adoption of Building Information Modelling technology (BIM). Engineering, Construction and Architectural Management, 2015, 22, 424-445.	1.8	163
96	Setting new trends of integrated Building Information Modelling (BIM) for construction industry. Construction Innovation, 2015, 15, 2-6.	1.5	49
97	Call for Papers -. International Journal of Project Management, 2015, 33, 479-480.	2.7	1
98	A multi-criteria analysis for bridge sustainability assessment: a case study of Penang Second Bridge, Malaysia. Structure and Infrastructure Engineering, 2015, 11, 638-654.	2.0	27
99	Integrating BIM and LiDAR for Real-Time Construction Quality Control. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 79, 417-432.	2.0	105
100	A Comparative Review of Building Information Modelling Implementation in Building and Infrastructure Industries. Archives of Computational Methods in Engineering, 2015, 22, 291-308.	6.0	103
101	Managing Critical Factors Causing Delays in Public Construction Projects in Kingdom of Saudi Arabia. , 2015, , .		4
102	Accidents in Malaysian Construction Industry: Statistical Data and Court Cases. International Journal of Occupational Safety and Ergonomics, 2014, 20, 503-513.	1.1	74
103	A Cooperative System of GIS and BIM for Traffic Planning: A High-Rise Building Case Study. Lecture Notes in Computer Science, 2014, , 143-150.	1.0	11
104	An explanatory case study on cloud computing applications in the built environment. Automation in Construction, 2014, 44, 152-162.	4.8	69
105	BIM-Enabled Design Collaboration for Complex Building. Lecture Notes in Computer Science, 2014, , 238-244.	1.0	4
106	Improving Quality and Performance of Facility Management Using Building Information Modelling. Lecture Notes in Computer Science, 2014, , 44-50.	1.0	15
107	The Challenges and Trends of Building Information Modelling (BIM) for Construction and Resources Sectors. , 2014, , .		0
108	Site selection for tidal turbine installation in the Strait of Malacca. Renewable and Sustainable Energy Reviews, 2013, 21, 590-602.	8.2	28

#	ARTICLE	IF	CITATIONS
109	Incorporation of database approach into contractual issues: Methodology and practical guide for organizations. <i>Automation in Construction</i> , 2013, 31, 149-157.	4.8	8
110	Ocean renewable energy in Malaysia: The potential of the Straits of Malacca. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 23, 169-178.	8.2	57
111	Employing Data Warehousing for Contract Administration: e-Dispute Resolution Prototype. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013, 139, 611-619.	2.0	17
112	Selection of dispute resolution methods: factor analysis approach. <i>Engineering, Construction and Architectural Management</i> , 2012, 19, 428-443.	1.8	51
113	Construction contract administration in Malaysia using DFD: a conceptual model. <i>Industrial Management and Data Systems</i> , 2011, 111, 1449-1464.	2.2	25
114	A case study into the language structure of construction standard form in Malaysia. <i>International Journal of Project Management</i> , 2010, 28, 601-608.	2.7	38
115	Application of the Delphi into Construction Law Research. <i>International Journal of Interdisciplinary Social Sciences</i> , 2010, 5, 199-206.	0.1	2
116	The behaviour of dispute resolution methods in Malaysian construction industry. , 2009, , .		7
117	Distinctive Judicial-Tailored Causation References of Construction Accidents. <i>KSCE Journal of Civil Engineering</i> , 0, , .	0.9	0
118	Effects of critical success factors, BIM implementation strategies, and barriers on employer-initiated delays. <i>International Journal of Construction Management</i> , 0, , 1-16.	2.2	1