

Hong Xian Li

List of Publications by Year in descending order

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53
papers

1,267
citations

331538

21
h-index

377752

34
g-index

53
all docs

53
docs citations

53
times ranked

1050
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on renewable energy transition in Australia: An updated depiction. <i>Journal of Cleaner Production</i> , 2020, 242, 118475.	4.6	116
2	Risk identification and assessment of modular construction utilizing fuzzy analytic hierarchy process (AHP) and simulation. <i>Canadian Journal of Civil Engineering</i> , 2013, 40, 1184-1195.	0.7	106
3	Factors driving the implementation of reverse logistics: A quantified model for the construction industry. <i>Waste Management</i> , 2018, 79, 48-57.	3.7	95
4	Design approaches and typologies of adaptive facades: A review. <i>Automation in Construction</i> , 2021, 121, 103450.	4.8	72
5	Spatial gaps in urban public transport supply and demand from the perspective of sustainability. <i>Journal of Cleaner Production</i> , 2018, 195, 1237-1248.	4.6	43
6	Energy performance optimisation of building envelope retrofit through integrated orthogonal arrays with data envelopment analysis. <i>Renewable Energy</i> , 2020, 149, 1414-1423.	4.3	43
7	A review of automatic control strategies based on simulations for adaptive facades. <i>Building and Environment</i> , 2020, 175, 106801.	3.0	43
8	An integrated simulation and optimization approach for reducing CO ₂ emissions from on-site construction process in cold regions. <i>Energy and Buildings</i> , 2017, 138, 666-675.	3.1	42
9	BIM-based life-cycle environmental assessment of prefabricated buildings. <i>Engineering, Construction and Architectural Management</i> , 2020, 27, 1703-1725.	1.8	41
10	Perceiving interactions and dynamics of safety leadership in construction projects. <i>Safety Science</i> , 2018, 106, 66-78.	2.6	39
11	Assessing and Prioritising Delay Factors of Prefabricated Concrete Building Projects in China. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2324.	1.3	39
12	Construction Industrialization in China: Current Profile and the Prediction. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 180.	1.3	37
13	Innovative control approaches to assess energy implications of adaptive facades based on simulation using EnergyPlus. <i>Solar Energy</i> , 2020, 206, 256-268.	2.9	37
14	Carbon Reduction Measures-Based LCA of Prefabricated Temporary Housing with Renewable Energy Systems. <i>Sustainability</i> , 2018, 10, 718.	1.6	33
15	Stakeholder studies and the social networks of NetZero energy homes (NZEHS). <i>Sustainable Cities and Society</i> , 2018, 38, 9-17.	5.1	30
16	Internationalization trends of carbon emission linkages: A case study on the construction sector. <i>Journal of Cleaner Production</i> , 2020, 270, 122433.	4.6	28
17	An approximation method for evaluating flash flooding mitigation of sponge city strategies – A case study of Central Geelong. <i>Journal of Cleaner Production</i> , 2020, 257, 120525.	4.6	28
18	Analysis of the impact of automatic shading control scenarios on occupant's comfort and energy load. <i>Applied Energy</i> , 2021, 294, 116904.	5.1	28

#	ARTICLE	IF	CITATIONS
19	An energy performance monitoring, analysis and modelling framework for NetZero Energy Homes (NZEHS). <i>Energy and Buildings</i> , 2016, 126, 353-364.	3.1	25
20	Sensing technology based quality control and warning systems for sleeve grouting of prefabricated buildings. <i>Automation in Construction</i> , 2021, 123, 103537.	4.8	25
21	Informed decision making of battery storage for solar-PV homes using smart meter data. <i>Energy and Buildings</i> , 2019, 198, 491-502.	3.1	24
22	A BIM-Based Study on the Comprehensive Benefit Analysis for Prefabricated Building Projects in China. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-13.	0.4	22
23	Incorporating biophilic criteria into green building rating tools: Case study of Green Mark and LEED. <i>Environmental Impact Assessment Review</i> , 2020, 82, 106380.	4.4	22
24	Exploring payback-year based feed-in tariff mechanisms in Australia. <i>Energy Policy</i> , 2021, 150, 112133.	4.2	22
25	Improving the energy production of roof-top solar PV systems through roof design. <i>Building Simulation</i> , 2020, 13, 475-487.	3.0	18
26	A review of occupant-centric control strategies for adaptive facades. <i>Automation in Construction</i> , 2021, 122, 103464.	4.8	18
27	Daylight in Buildings and Visual Comfort Evaluation: the Advantages and Limitations. <i>Journal of Daylighting</i> , 2021, 8, 181-203.	0.5	17
28	Exploring and verifying BIM-based energy simulation for building operations. <i>Engineering, Construction and Architectural Management</i> , 2020, 27, 1679-1702.	1.8	16
29	Vulnerability modeling, assessment, and improvement in urban metro systems: A probabilistic system dynamics approach. <i>Sustainable Cities and Society</i> , 2021, 75, 103329.	5.1	16
30	Cost and environmental impact estimation methodology and potential impact factors in offshore oil and gas platform decommissioning: A review. <i>Environmental Impact Assessment Review</i> , 2021, 87, 106536.	4.4	15
31	Energy performance and the discrepancy of multiple NetZero Energy Homes (NZEHS) in cold regions. <i>Journal of Cleaner Production</i> , 2018, 172, 106-118.	4.6	13
32	Towards zero carbon housing in Victoria, Australia: A policy and incentive framework. <i>Energy Strategy Reviews</i> , 2022, 40, 100802.	3.3	12
33	An Automatic Scheduling Approach: Building Information Modeling-based Onsite Scheduling for Panelized Construction. , 2014, , .		11
34	Simulation-based personalized real-time control of adaptive facades in shared office spaces. <i>Automation in Construction</i> , 2022, 138, 104246.	4.8	10
35	Evaluation of Informatization Performance of Construction Industrialization EPC Enterprises in China. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-18.	0.4	9
36	Applying Solar PV to Heat Pump and Storage Technologies in Australian Houses. <i>Energies</i> , 2021, 14, 5480.	1.6	9

#	ARTICLE	IF	CITATIONS
37	Quality Control for Offsite Construction: Review and Future Directions. Journal of Construction Engineering and Management - ASCE, 2022, 148, .	2.0	8
38	Incentive genetic algorithm based timeâ€“cost trade-off analysis across a buildâ€“operateâ€“transfer project concession period. Canadian Journal of Civil Engineering, 2011, 38, 166-174.	0.7	7
39	Design for Manufacturing and Assembly: A BIM-Enabled Generative Framework for Building Panelization Design. Advances in Civil Engineering, 2021, 2021, 1-14.	0.4	7
40	A Dynamic Just-in-Time Component Delivery Framework for Off-Site Construction. Advances in Civil Engineering, 2021, 2021, 1-19.	0.4	7
41	Building Information Modelling- (BIM-) Based Generative Design for Drywall Installation Planning in Prefabricated Construction. Advances in Civil Engineering, 2021, 2021, 1-16.	0.4	7
42	Estimating long-term impacts of tunnel infrastructure development on urban sustainability using granular computing. Applied Soft Computing Journal, 2021, 113, 107932.	4.1	7
43	Guidance on Implementing Renewable Energy Systems in Australian Homes. Energies, 2021, 14, 2666.	1.6	6
44	Automated energy simulation and analysis for NetZero Energy Home (NZEH) design. Building Simulation, 2017, 10, 285-296.	3.0	5
45	Factors Influencing Sleeve Grouting Quality for Prefabricated Building: An Interpretive Structural Modeling Approach. Advances in Civil Engineering, 2021, 2021, 1-15.	0.4	2
46	An analysis of quality liability insurance for prefabricated components using evolutionary game theory. Canadian Journal of Civil Engineering, 2022, 49, 683-695.	0.7	2
47	Development Strategy Optimization for Off-Site Construction Projects: Synergy of the Government and Developers. Journal of Management in Engineering - ASCE, 2022, 38, .	2.6	2
48	The Empirical Research on the Estimation of the Construction CO ₂ Emission Based on EPA Non-Road Modeling. Applied Mechanics and Materials, 2011, 71-78, 4943-4948.	0.2	1
49	A Solution to Just-in-Time Delivery for Off-Site Construction: A Conceptual Model. , 2020, , .		1
50	A two-step approach for cost-effective design analysis of Net Zero Energy Homes. Journal of Building Engineering, 2020, 32, 101546.	1.6	1
51	Charting Participatory Action and Interventionist Research Processes for Community-Based Stakeholders in Peri-Urban Contexts: The Proposed St. Cuthbertâ€™s Community Centre, Lorne, Australia. Urban Science, 2019, 3, 58.	1.1	0
52	Prefabrication in the Australian context. Modular and Offsite Construction (MOC) Summit Proceedings, 0, , .	0.0	0
53	Study on Complexity of Precast Concrete Components and Its Influence on Production Efficiency. Advances in Civil Engineering, 2022, 2022, 1-18.	0.4	0