

Chunlu Liu

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.

116
papers

1,343
citations

20
h-index

29
g-index

123
ext. papers

1,673
ext. citations

3.6
avg, IF

5.39
L-index

#	Paper	IF	Citations
116	Applications of multirotor drone technologies in construction management. <i>International Journal of Construction Management</i> , 2019 , 19, 401-412	1.9	59
115	HOUSING PRICE DIFFUSION PATTERN OF AUSTRALIA'S STATE CAPITAL CITIES. <i>International Journal of Strategic Property Management</i> , 2007 , 11, 227-242	1.9	54
114	Maintenance Strategy Optimization of Bridge Decks Using Genetic Algorithm. <i>Journal of Transportation Engineering</i> , 1997 , 123, 91-100		52
113	Linkage measures of the construction sector using the hypothetical extraction method. <i>Construction Management and Economics</i> , 2006 , 24, 579-589	3	48
112	Malmquist indices of total factor productivity changes in the Australian construction industry. <i>Construction Management and Economics</i> , 2010 , 28, 933-945	3	47
111	Multiobjective Optimization of Bridge Deck Rehabilitation Using a Genetic Algorithm. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 1997 , 12, 431-443	8.4	47
110	Carbon productivity: a case study in the Australian construction industry. <i>Journal of Cleaner Production</i> , 2016 , 112, 2354-2362	10.3	46
109	Critical Barriers to BIM Implementation in the AEC Industry. <i>International Journal of Marketing Studies</i> , 2015 , 7, 162	1.4	41
108	A pixel-based approach to estimation of solar energy potential on building roofs. <i>Energy and Buildings</i> , 2016 , 129, 563-573	7	34
107	A multi-regional input-output analysis of energy embodied in international trade of construction goods and services. <i>Journal of Cleaner Production</i> , 2018 , 201, 439-451	10.3	33
106	Forecasting construction demand: a vector error correction model with dummy variables. <i>Construction Management and Economics</i> , 2011 , 29, 969-979	3	32
105	CO2 emission linkage analysis in global construction sectors: Alarming trends from 1995 to 2009 and possible repercussions. <i>Journal of Cleaner Production</i> , 2019 , 221, 863-877	10.3	30
104	Embodied energy consumption of the construction industry and its international trade using multi-regional input-output analysis. <i>Energy and Buildings</i> , 2018 , 173, 489-501	7	26
103	Unveiling the conceptual development of industrial symbiosis: Bibliometric analysis. <i>Journal of Cleaner Production</i> , 2020 , 258, 120618	10.3	25
102	Techno-economic analysis for constructing solar photovoltaic projects on building envelopes. <i>Building and Environment</i> , 2018 , 127, 37-46	6.5	23
101	A panel vector error correction approach to forecasting demand in regional construction markets. <i>Construction Management and Economics</i> , 2014 , 32, 1205-1221	3	23
100	Case study of demolition costs of residential buildings. <i>Construction Management and Economics</i> , 2006 , 24, 967-976	3	22

99	Measuring efficiency, effectiveness and overall performance in the Chinese construction industry. <i>Engineering, Construction and Architectural Management</i> , 2018 , 25, 780-797	3.1	21
98	IDENTIFYING HOUSE PRICE DIFFUSION PATTERNS AMONG AUSTRALIAN STATE CAPITAL CITIES. <i>International Journal of Strategic Property Management</i> , 2008 , 12, 237-250	1.9	21
97	Optimizing the concession period of PPP projects for fair allocation of financial risk. <i>Engineering, Construction and Architectural Management</i> , 2019 , 26, 2347-2363	3.1	21
96	Profitability performance assessment in the Australian construction industry: a global relational two-stage DEA method. <i>Construction Management and Economics</i> , 2016 , 34, 147-159	3	19
95	Prioritising performance indicators for sustainable construction and development of university campuses using an integrated assessment approach. <i>Journal of Cleaner Production</i> , 2018 , 202, 959-968	10.3	19
94	Estimating solar energy potentials on pitched roofs. <i>Energy and Buildings</i> , 2017 , 139, 101-107	7	18
93	Labour productivity measurement with variable returns to scale in Australia's construction industry. <i>Architectural Science Review</i> , 2012 , 55, 110-118	2.6	18
92	Managing undesirable outputs in the Australian construction industry using Data Envelopment Analysis models. <i>Journal of Cleaner Production</i> , 2015 , 101, 148-157	10.3	17
91	Total factor carbon emission performance measurement and development. <i>Journal of Cleaner Production</i> , 2017 , 142, 2804-2815	10.3	17
90	Network-Level Bridge Life-Cycle Management System. <i>Journal of Infrastructure Systems</i> , 1997 , 3, 31-39	2.9	17
89	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	10.3	16
88	Modeling and Simulation of Collisions of Heavy Trucks with Concrete Barriers. <i>Journal of Transportation Engineering</i> , 2007 , 133, 462-468		16
87	GIS-based dynamic modelling and analysis of flash floods considering land-use planning. <i>International Journal of Geographical Information Science</i> , 2017 , 31, 481-498	4.1	15
86	Energy productivity and total-factor productivity in the Australian construction industry. <i>Architectural Science Review</i> , 2016 , 59, 432-444	2.6	14
85	Construction Price Prediction Using Vector Error Correction Models. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013 , 139, 04013022	4.2	14
84	An Input-Output Approach for Measuring Real Estate Sector Linkages. <i>Journal of Property Research</i> , 2007 , 24, 71-91	1.4	14
83	Did the late-2000s financial crisis influence construction labour productivity?. <i>Construction Management and Economics</i> , 2014 , 32, 1030-1047	3	13
82	Dynamic simulation of collisions of heavy high-speed trucks with concrete barriers. <i>Chaos, Solitons and Fractals</i> , 2007 , 34, 1239-1244	9.3	13

81	A Framework for Material Management in the Building Demolition Industry. <i>Architectural Science Review</i> , 2006 , 49, 391-398	2.6	13
80	The effects of the late 2000s global financial crisis on Australia's construction demand. <i>Construction Economics and Building</i> , 2013 , 13, 65-79	0.9	12
79	Granger Causality Among House Price and Macroeconomic Variables in Victoria. <i>Pacific Rim Property Research Journal</i> , 2007 , 13, 234-256	0.5	12
78	CONCESSION PERIOD DETERMINATION FOR PPP RETIREMENT VILLAGE. <i>International Journal of Strategic Property Management</i> , 2018 , 22, 424-435	1.9	12
77	Vertical specialisation measurement of energy embodied in international trade of the construction industry. <i>Energy</i> , 2018 , 165, 689-700	7.9	12
76	Geographic information system-based assessment of mitigating flash-flood disaster from green roof systems. <i>Computers, Environment and Urban Systems</i> , 2017 , 64, 321-331	5.9	11
75	Construction labor productivity convergence: a conditional frontier approach. <i>Engineering, Construction and Architectural Management</i> , 2016 , 23, 283-301	3.1	11
74	Total factor productivity measurement with carbon reduction. <i>Engineering, Construction and Architectural Management</i> , 2017 , 24, 575-592	3.1	11
73	Economic Indicator Comparisons of International Real Estate Sectors Using the Oecd Input-Output Database. <i>International Journal of Construction Management</i> , 2005 , 5, 59-75	1.9	11
72	Analysis and comparison of embodied energies in gross exports of the construction sector by means of their value-added origins. <i>Energy</i> , 2020 , 191, 116546	7.9	11
71	Internationalization trends of carbon emission linkages: A case study on the construction sector. <i>Journal of Cleaner Production</i> , 2020 , 270, 122433	10.3	11
70	Slacks-based data envelopment analysis for eco-efficiency assessment in the Australian construction industry. <i>Construction Management and Economics</i> , 2017 , 35, 693-706	3	10
69	THE IMPACTS OF RESIDENTIAL CONSTRUCTION AND PROPERTY PRICES ON RESIDENTIAL CONSTRUCTION OUTPUTS: AN INTER-MARKET EQUILIBRIUM APPROACH. <i>International Journal of Strategic Property Management</i> , 2017 , 21, 296-306	1.9	10
68	Composition of energy outflows embodied in the gross exports of the construction sector. <i>Journal of Cleaner Production</i> , 2020 , 248, 119296	10.3	9
67	Determining concession periods and minimum revenue guarantees in public-private-partnership agreements. <i>European Journal of Operational Research</i> , 2021 , 291, 512-524	5.6	9
66	Revenue assessment and visualisation of photovoltaic projects on building envelopes. <i>Journal of Cleaner Production</i> , 2018 , 182, 177-186	10.3	8
65	Ripple effects of house prices: considering spatial correlations in geography and demography. <i>International Journal of Housing Markets and Analysis</i> , 2013 , 6, 284-299	1.2	8
64	Creation and Diversified Applications of Plane Module Libraries for Prefabricated Houses Based on BIM. <i>Sustainability</i> , 2020 , 12, 453	3.6	8

63	Measuring output structures of multinational construction industries using the World Input-Output Database. <i>International Journal of Construction Management</i> , 2017 , 17, 1-12	1.9	7
62	Decomposition of temporal changes in construction labour productivity. <i>International Journal of Construction Management</i> , 2018 , 18, 65-77	1.9	7
61	A panel error correction approach to explore spatial correlation patterns of the dominant housing market in Australian capital cities. <i>International Journal of Housing Markets and Analysis</i> , 2013 , 6, 405-421 ^{1.2}	1.2	7
60	Measuring eco-roof mitigation on flash floods via GIS simulation. <i>Built Environment Project and Asset Management</i> , 2016 , 6, 415-427	1.9	6
59	The Driving Force of Government in Promoting BIM Implementation. <i>Journal of Management and Sustainability</i> , 2015 , 5, 157	2.1	6
58	An interdependence analysis of Australian house prices using variance decomposition. <i>International Journal of Housing Markets and Analysis</i> , 2009 , 2, 218-232	1.2	6
57	EXPLORING TURNOVER INTENTION OF CONSTRUCTION MANAGERS IN CHINA. <i>Journal of Construction Research</i> , 2006 , 07, 191-205		6
56	The Australian Construction Linkages in the 1990s. <i>Architectural Science Review</i> , 2006 , 49, 408-417	2.6	6
55	Electronic Waste Exchange for Just-in-Time Building Demolition. <i>International Journal of Construction Management</i> , 2007 , 7, 65-77	1.9	6
54	Estimating Demolition Costs for Single Residential Buildings. <i>Construction Economics and Building</i> , 2003 , 3, 33-42	0.9	6
53	InputOutput structures of the Australian construction industry. <i>Construction Economics and Building</i> , 2016 , 16, 56-70	0.9	6
52	Government compensation and costs of non-competition guarantee for PPP rental retirement villages. <i>Engineering, Construction and Architectural Management</i> , 2019 , 27, 128-149	3.1	6
51	Mathematical Modeling and Optimization of Vanadium-Titanium Black Ceramic Solar Collectors. <i>Energies</i> , 2021 , 14, 618	3.1	6
50	Measuring energy poverty based on energy embodied in exports of vertical specialisation trade in the construction sector. <i>Energy and Buildings</i> , 2019 , 196, 157-168	7	5
49	The log mean divisia index based carbon productivity in the Australian construction industry. <i>Construction Economics and Building</i> , 2017 , 17, 68-84	0.9	5
48	IDENTIFYING DETERMINANTS OF DEMAND FOR CONSTRUCTION USING AN ECONOMETRIC APPROACH. <i>International Journal of Strategic Property Management</i> , 2015 , 19, 346-357	1.9	5
47	Market effects on forecasting construction prices using vector error correction models. <i>International Journal of Construction Management</i> , 2014 , 14, 101-112	1.9	5
46	Construction Capital Productivity Measurement Using a Data Envelopment Analysis. <i>International Journal of Construction Management</i> , 2011 , 11, 49-61	1.9	5

45	The decomposition of housing market variations. <i>International Journal of Housing Markets and Analysis</i> , 2010 , 3, 6-16	1.2	5
44	Exploring Intersectoral Linkages between Real Estate and Construction. <i>International Journal of Construction Management</i> , 2008 , 8, 73-85	1.9	5
43	MULTIFACTOR PRODUCTIVITY MEASURES OF CONSTRUCTION SECTORS USING OECD INPUT-OUTPUT DATABASE. <i>Journal of Construction Research</i> , 2005 , 06, 209-222		5
42	Economic Performance Analysis of the Australian Property Sector Using Input-Output Tables. <i>Pacific Rim Property Research Journal</i> , 2005 , 11, 412-425	0.5	5
41	Ecological relationships of global construction industries in sustainable economic and energy development. <i>Energy</i> , 2021 , 234, 121249	7.9	5
40	Exploring the Influence of an Urban Water System on Housing Prices: Case Study of Zhengzhou. <i>Buildings</i> , 2020 , 10, 44	3.2	4
39	Imperfect Information Bargaining Model for Determining Concession Period of PPPs under Revenue Uncertainty. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2020 , 12, 04520012	1.7	4
38	SPATIO-TEMPORAL ANALYSIS OF HOUSE PRICE CONVERGENCE BASED ON A DEMOGRAPHICAL DISTANCE. <i>International Journal of Strategic Property Management</i> , 2013 , 17, 263-277	1.9	4
37	House Price Bubble Estimations in Australia's Capital Cities with Market Fundamentals. <i>Pacific Rim Property Research Journal</i> , 2011 , 17, 132-156	0.5	4
36	Investigating the Housing Market Fluctuation Under an Expansionary Monetary Policy in Australia. <i>Pacific Rim Property Research Journal</i> , 2012 , 18, 81-89	0.5	4
35	Comparative Study of Optimized and Conventional Bridges: Life Cycle Cost and Environmental Impact 2001 , 130		4
34	Information technology applications for bridge maintenance management. <i>Logistics Information Management</i> , 2001 , 14, 393-400		4
33	Nonlinear collision analysis of heavy trucks onto steel highway guard fences. <i>Structural Engineering and Mechanics</i> , 2001 , 12, 541-558		4
32	A LINKAGE MEASURE FRAMEWORK FOR THE REAL ESTATE SECTOR. <i>International Journal of Strategic Property Management</i> , 2005 , 9, 121-143	1.9	4
31	Development and testing of a rent determination framework for PPP rental villages. <i>International Journal of Construction Management</i> , 2019 , 1-13	1.9	3
30	Extending construction linkage measures by the consideration of the impact of capital. <i>Construction Management and Economics</i> , 2006 , 24, 1207-1216	3	3
29	Geographical variation in energy yields of rooftop photovoltaic projects in Australia. <i>Advances in Building Energy Research</i> , 2020 , 14, 1-18	1.8	3
28	State of the Art on Heat Pumps for Residential Buildings. <i>Buildings</i> , 2021 , 11, 350	3.2	3

27	A game-theoretic approach to developing a concession renegotiation framework for user-pays PPPs. <i>International Journal of Construction Management</i> , 2020 , 20, 642-652	1.9	2
26	Structural analysis of inter-industrial linkages: an application to the Australian construction industry. <i>Construction Management and Economics</i> , 2020 , 38, 934-946	3	2
25	Applying a comfort model to building performance analysis. <i>Architectural Science Review</i> , 2020 , 63, 481-493	4.9	2
24	Do Spatial Effects Drive House Prices Away from the Long-run Equilibrium?. <i>Pacific Rim Property Research Journal</i> , 2014 , 20, 13-29	0.5	2
23	Exploring the Increasing Role of the Real Estate Sector in the Chinese Economy: 1997-2002. <i>Pacific Rim Property Research Journal</i> , 2008 , 14, 279-297	0.5	2
22	Comparison of Multifactor Productivity Indicators for Real Estate Sectors Using the Oecd Input-Output Database. <i>Pacific Rim Property Research Journal</i> , 2004 , 10, 487-508	0.5	2
21	A GIS-BASED PROCEDURE FOR MEASURING THE EFFECTS OF THE BUILT ENVIRONMENT ON URBAN FLASH FLOODS. <i>Journal of Green Building</i> , 2016 , 11, 110-125	1.3	2
20	Sensitivity Analysis for Carbon Emissions of Prefabricated Residential Buildings with Window Design Elements. <i>Energies</i> , 2021 , 14, 6436	3.1	2
19	Assessment of Indoor Environmental Quality in Budget Hotels Using Text-Mining Method: Case Study of Top Five Brands in China. <i>Sustainability</i> , 2021 , 13, 4490	3.6	2
18	Investigating economic roles of multinational construction industries: A super-efficiency DEA approach. <i>Applied Economics</i> , 2021 , 53, 4810-4822	1.6	2
17	Trade decomposition of CO2 emissions of global construction industries. <i>Engineering, Construction and Architectural Management</i> , 2021 , ahead-of-print,	3.1	2
16	Identifying the Configuration Differences of Primary Schools with Different Administrative Affiliations in China. <i>Buildings</i> , 2020 , 10, 33	3.2	1
15	Spatial linkages among Australian construction markets. <i>Construction Economics and Building</i> , 2014 , 14, 18-30	0.9	1
14	Evolutionary Multiobjective Optimization in Engineering Management: An Empirical Application in Infrastructure Systems 2006 ,		1
13	Discussion of Modeling a Contractor's Markup Estimation by Min Liu and Yean Yng Ling. <i>Journal of Construction Engineering and Management - ASCE</i> , 2006 , 132, 658-661	4.2	1
12	Information Spillover Effects of Real Estate Markets: Evidence from Ten Metropolitan Cities in China. <i>Journal of Risk and Financial Management</i> , 2021 , 14, 244	2.4	1
11	Negotiating Concession Period for Highway Public-Private Partnerships with Imperfect Information 2019 ,		1
10	Experimental Testing of Greenhouse-Integrated Vanadium-Titanium Black Ceramic Solar Absorbers. <i>Journal of Thermal Science</i> , 1	1.9	1

9	SPATIAL EFFECT OF MARKET SENTIMENT ON HOUSING PRICE: EVIDENCE FROM SOCIAL MEDIA DATA IN CHINA. <i>International Journal of Strategic Property Management</i> , 2022 , 26, 72-85	1.9	o
8	LINKAGE MEASURES OF THE REAL ESTATE SECTOR CONSIDERING THE EFFECT OF CAPITAL. <i>International Journal of Strategic Property Management</i> , 2006 , 10, 131-143	1.9	o
7	Exploring Effective Built Environment Factors for Evaluating Pedestrian Volume in High-Density Areas: A New Finding for the Central Business District in Melbourne, Australia. <i>Land</i> , 2021 , 10, 655	3.5	o
6	Spatial mismatch analyses of school land in China using a spatial statistical approach. <i>Land Use Policy</i> , 2021 , 108, 105543	5.6	o
5	Embodied energy-based ecological network analysis on growth and development of the national industrial system: An empirical study in Australia. <i>Journal of Cleaner Production</i> , 2021 , 324, 129253	10.3	
4	Investment apportionments among participants of PPP rental retirement villages. <i>Built Environment Project and Asset Management</i> , 2019 , 10, 64-77	1.9	
3	The Mechanism of Digital Environment Influencing Organizational Performance: An Empirical Analysis Based on Construction Data. <i>Sustainability</i> , 2022 , 14, 3330	3.6	
2	Measuring the developing trends of international construction industries in global value chains based on value added. <i>Applied Economics</i> , 1-17	1.6	
1	ENVIRON-ECONOMIC BALANCE ANALYSIS IN BILATERAL INDUSTRIAL TRADE: A COMPARISON BETWEEN AUSTRALIA AND CHINA. <i>Technological and Economic Development of Economy</i> , 2022 , 28, 676-693	4.7	