

# Chunlu Liu

## List of Publications by Year in descending order

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146  
papers

2,170  
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312420

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times ranked

2136  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conceptual Cross-Theoretical Assessment Model for Practitionersâ€™ Compliance Behavior with Building Energy Codes. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2024, 16, .	1.6	1
2	Technical and economic analyses of PV battery systems considering two different tariff policies. <i>Solar Energy</i> , 2024, 267, 112189.	6.1	4
3	Current Status and Future Directions of Building Information Modeling for Low-Carbon Buildings. <i>Energies</i> , 2024, 17, 143.	3.2	1
4	Exploring the Layout Optimization of Commercial Service Space Affecting Energy Consumption in Communities Using Machine Learning. <i>Buildings</i> , 2024, 14, 108.	3.2	1
5	Performance investigation of transitioning building services system in photovoltaic homes. <i>Journal of Building Engineering</i> , 2024, 84, 108540.	3.5	1
6	Numerical Simulation and Application of Radial Steel Gate Structure Based on Building Information Modeling under Different Opening Degrees. <i>Water (Switzerland)</i> , 2024, 16, 636.	2.8	0
7	Evaluation of Urban Quality Improvement Based on the MABAC Method and VIKOR Method: A Case Study of Shandong Province, China. <i>Sustainability</i> , 2024, 16, 3308.	3.3	0
8	A Review of Attention Restoration Theory: Implications for Designing Restorative Environments. <i>Sustainability</i> , 2024, 16, 3639.	3.3	1
9	Circular Economy-Related Strategies to Minimise Construction and Demolition Waste Generation in Australian Construction Projects. <i>Buildings</i> , 2024, 14, 2487.	3.2	0
10	Towards an Urban Planning Scenario Model Systemâ€”A Tool for Exploring Urban Uncertainty: A Case Study of Diaozhen, China. <i>Information (Switzerland)</i> , 2024, 15, 514.	3.0	0
11	Determination of government guarantee and revenue cap in publicâ€“private partnership contracts. <i>Engineering, Construction and Architectural Management</i> , 2023, 30, 393-414.	3.5	5
12	Decomposition analysis of aggregate embodied CO2 intensities in import products of the construction industry from the perspective of border-crossing frequency. <i>Journal of Cleaner Production</i> , 2023, 388, 136003.	9.5	2
13	Influence of Labour Experience in the Generation of Construction Material Waste in the Sri Lankan Construction Industry. <i>Sustainability</i> , 2023, 15, 5406.	3.3	2
14	Conceptualising a Model to Assess the Optimum Water Flow of Industrial Symbiosis (IS). <i>Sustainability</i> , 2023, 15, 8627.	3.3	2
15	URBANâ€“RURAL DIFFERENCES IN PRIMARY SCHOOL RESOURCES IN CHINA: A CASE STUDY OF YUNCHENG COUNTY. <i>International Journal of Strategic Property Management</i> , 2023, 27, 120-132.	1.8	0
16	Listen to the Companies: Exploring BIM Job Competency Requirements by Text Mining of Recruitment Information in China. <i>Journal of Construction Engineering and Management - ASCE</i> , 2023, 149, .	4.0	0
17	Students' sound environment perceptions in informal learning spaces: a case study on a university campus in Australia. <i>Engineering, Construction and Architectural Management</i> , 2023, ahead-of-print, .	3.5	2
18	Supplyâ€“Demand Imbalance in School Land: An Eigenvector Spatial Filtering Approach. <i>Sustainability</i> , 2023, 15, 12935.	3.3	0

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19	Ecological utility analysis of the Australian economic sectors based on embodied energy. <i>Journal of Cleaner Production</i> , 2023, 429, 139329.	9.5	0
20	Numerical Simulation and Analysis of Hydraulic Turbines Based on BIM for Sustainable Development. <i>Sustainability</i> , 2023, 15, 16168.	3.3	2
21	Development and testing of a rent determination framework for PPP rental villages. <i>International Journal of Construction Management</i> , 2022, 22, 192-204.	3.2	3
22	Trade decomposition of CO <sub>2</sub> emissions of global construction industries. <i>Engineering, Construction and Architectural Management</i> , 2022, 29, 502-522.	3.5	9
23	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.	1.8	6
24	Border-crossing frequencies of CO <sub>2</sub> embodied in international trade of construction products for final demand. <i>Engineering, Construction and Architectural Management</i> , 2022, ahead-of-print, .	3.5	1
25	Experimental Testing of Greenhouse-Integrated Vanadium-Titanium Black Ceramic Solar Absorbers. <i>Journal of Thermal Science</i> , 2022, 31, 1891-1902.	1.9	4
26	The Mechanism of Digital Environment Influencing Organizational Performance: An Empirical Analysis Based on Construction Data. <i>Sustainability</i> , 2022, 14, 3330.	3.3	2
27	Measuring the developing trends of international construction industries in global value chains based on value added. <i>Applied Economics</i> , 2022, 54, 6065-6081.	2.2	2
28	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.	4.6	1
29	System indeterminacy analysis in the embodied energy network of global construction industries. <i>Energy</i> , 2022, 261, 125216.	9.0	2
30	Modelling and Forecast of Future Growth for Shandong's Small Industrial Towns: A Scenario-Based Interactive Approach. <i>Sustainability</i> , 2022, 14, 16823.	3.3	1
31	A Systematic Literature Review of Non-Compliance with Low-Carbon Building Regulations. <i>Energies</i> , 2022, 15, 9266.	3.2	4
32	A GIS-Based Analysis of the Carbon-Oxygen Balance of Urban Forests in the Southern Mountainous Area of Jinan, China. <i>Sustainability</i> , 2022, 14, 16135.	3.3	2
33	Determining concession periods and minimum revenue guarantees in public-private-partnership agreements. <i>European Journal of Operational Research</i> , 2021, 291, 512-524.	5.9	34
34	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.	3.3	11
35	Investigating economic roles of multinational construction industries: A super-efficiency DEA approach. <i>Applied Economics</i> , 2021, 53, 4810-4822.	2.2	4
36	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	3

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37	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.	3.0	2
38	State of the Art on Heat Pumps for Residential Buildings. <i>Buildings</i> , 2021, 11, 350.	3.2	21
39	Spatial mismatch analyses of school land in China using a spatial statistical approach. <i>Land Use Policy</i> , 2021, 108, 105543.	5.8	8
40	Ecological relationships of global construction industries in sustainable economic and energy development. <i>Energy</i> , 2021, 234, 121249.	9.0	18
41	Mathematical Modeling and Optimization of Vanadium-Titanium Black Ceramic Solar Collectors. <i>Energies</i> , 2021, 14, 618.	3.2	11
42	Sensitivity Analysis for Carbon Emissions of Prefabricated Residential Buildings with Window Design Elements. <i>Energies</i> , 2021, 14, 6436.	3.2	7
43	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.	9.5	4
44	Geographical variation in energy yields of rooftop photovoltaic projects in Australia. <i>Advances in Building Energy Research</i> , 2020, 14, 1-18.	1.9	4
45	Composition of energy outflows embodied in the gross exports of the construction sector. <i>Journal of Cleaner Production</i> , 2020, 248, 119296.	9.5	15
46	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.	9.0	17
47	Carbon Dioxide Emission Linkage Analysis of Australian Construction Sector—Based on a Hybrid Multi-Regional Input-Output Model. , 2020, , .		0
48	Internationalization trends of carbon emission linkages: A case study on the construction sector. <i>Journal of Cleaner Production</i> , 2020, 270, 122433.	9.5	29
49	Exploring the Influence of an Urban Water System on Housing Prices: Case Study of Zhengzhou. <i>Buildings</i> , 2020, 10, 44.	3.2	6
50	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, .	1.6	8
51	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.	3.2	7
52	Identifying the Configuration Differences of Primary Schools with Different Administrative Affiliations in China. <i>Buildings</i> , 2020, 10, 33.	3.2	4
53	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	5
54	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.	9.5	30

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55	Applying a comfort model to building performance analysis. <i>Architectural Science Review</i> , 2020, 63, 481-493.	2.1	3
56	Unveiling the conceptual development of industrial symbiosis: Bibliometric analysis. <i>Journal of Cleaner Production</i> , 2020, 258, 120618.	9.5	41
57	Creation and Diversified Applications of Plane Module Libraries for Prefabricated Houses Based on BIM. <i>Sustainability</i> , 2020, 12, 453.	3.3	14
58	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.	6.8	8
59	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.	9.5	52
60	Government compensation and costs of non-competition guarantee for PPP rental retirement villages. <i>Engineering, Construction and Architectural Management</i> , 2019, 27, 128-149.	3.5	9
61	Investment apportionments among participants of PPP rental retirement villages. <i>Built Environment Project and Asset Management</i> , 2019, 10, 64-77.	1.7	1
62	Optimizing the concession period of PPP projects for fair allocation of financial risk. <i>Engineering, Construction and Architectural Management</i> , 2019, 26, 2347-2363.	3.5	39
63	Negotiating Concession Period for Highway Public-Private Partnerships with Imperfect Information. , 2019, , .		2
64	Applications of multirotor drone technologies in construction management. <i>International Journal of Construction Management</i> , 2019, 19, 401-412.	3.2	140
65	Revenue assessment and visualisation of photovoltaic projects on building envelopes. <i>Journal of Cleaner Production</i> , 2018, 182, 177-186.	9.5	8
66	Decomposition of temporal changes in construction labour productivity. <i>International Journal of Construction Management</i> , 2018, 18, 65-77.	3.2	7
67	Techno-economic analysis for constructing solar photovoltaic projects on building envelopes. <i>Building and Environment</i> , 2018, 127, 37-46.	7.0	38
68	Vertical specialisation measurement of energy embodied in international trade of the construction industry. <i>Energy</i> , 2018, 165, 689-700.	9.0	16
69	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.	9.5	40
70	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.	6.8	39
71	Measuring efficiency, effectiveness and overall performance in the Chinese construction industry. <i>Engineering, Construction and Architectural Management</i> , 2018, 25, 780-797.	3.5	32
72	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.	9.5	48

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73	CONCESSION PERIOD DETERMINATION FOR PPP RETIREMENT VILLAGE. International Journal of Strategic Property Management, 2018, 22, 424-435.	1.8	19
74	Measuring output structures of multinational construction industries using the World Input-Output Database. International Journal of Construction Management, 2017, 17, 1-12.	3.2	8
75	Estimating solar energy potentials on pitched roofs. Energy and Buildings, 2017, 139, 101-107.	6.8	24
76	Geographic information system-based assessment of mitigating flash-flood disaster from green roof systems. Computers, Environment and Urban Systems, 2017, 64, 321-331.	7.3	21
77	Slacks-based data envelopment analysis for eco-efficiency assessment in the Australian construction industry. Construction Management and Economics, 2017, 35, 693-706.	3.2	15
78	Total factor productivity measurement with carbon reduction. Engineering, Construction and Architectural Management, 2017, 24, 575-592.	3.5	17
79	THE IMPACTS OF RESIDENTIAL CONSTRUCTION AND PROPERTY PRICES ON RESIDENTIAL CONSTRUCTION OUTPUTS: AN INTER-MARKET EQUILIBRIUM APPROACH. International Journal of Strategic Property Management, 2017, 21, 296-306.	1.8	10
80	Total factor carbon emission performance measurement and development. Journal of Cleaner Production, 2017, 142, 2804-2815.	9.5	31
81	GIS-based dynamic modelling and analysis of flash floods considering land-use planning. International Journal of Geographical Information Science, 2017, 31, 481-498.	4.6	16
82	The log mean divisia index based carbon productivity in the Australian construction industry. Construction Economics and Building, 2017, 17, 68-84.	1.0	6
83	Input-output structures of the Australian construction industry. Construction Economics and Building, 2016, 16, 56-70.	1.0	8
84	Profitability performance assessment in the Australian construction industry: a global relational two-stage DEA method. Construction Management and Economics, 2016, 34, 147-159.	3.2	23
85	A pixel-based approach to estimation of solar energy potential on building roofs. Energy and Buildings, 2016, 129, 563-573.	6.8	49
86	Measuring eco-roof mitigation on flash floods via GIS simulation. Built Environment Project and Asset Management, 2016, 6, 415-427.	1.7	10
87	Construction labor productivity convergence: a conditional frontier approach. Engineering, Construction and Architectural Management, 2016, 23, 283-301.	3.5	18
88	Energy productivity and total-factor productivity in the Australian construction industry. Architectural Science Review, 2016, 59, 432-444.	2.1	18
89	Carbon productivity: a case study in the Australian construction industry. Journal of Cleaner Production, 2016, 112, 2354-2362.	9.5	78
90	A GIS-BASED PROCEDURE FOR MEASURING THE EFFECTS OF THE BUILT ENVIRONMENT ON URBAN FLASH FLOODS. Journal of Green Building, 2016, 11, 110-125.	0.8	2

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91	IDENTIFYING DETERMINANTS OF DEMAND FOR CONSTRUCTION USING AN ECONOMETRIC APPROACH. International Journal of Strategic Property Management, 2015, 19, 346-357.	1.8	6
92	Critical Barriers to BIM Implementation in the AEC Industry. International Journal of Marketing Studies, 2015, 7, 162.	0.4	97
93	The Driving Force of Government in Promoting BIM Implementation. Journal of Management and Sustainability, 2015, 5, 157.	0.3	13
94	Managing undesirable outputs in the Australian construction industry using Data Envelopment Analysis models. Journal of Cleaner Production, 2015, 101, 148-157.	9.5	24
95	Spatial linkages among Australian construction markets. Construction Economics and Building, 2014, 14, 18-30.	1.0	1
96	Do Spatial Effects Drive House Prices Away from the Long-run Equilibrium?. Pacific Rim Property Research Journal, 2014, 20, 13-29.	0.4	2
97	Market effects on forecasting construction prices using vector error correction models. International Journal of Construction Management, 2014, 14, 101-112.	3.2	12
98	A panel vector error correction approach to forecasting demand in regional construction markets. Construction Management and Economics, 2014, 32, 1205-1221.	3.2	30
99	Did the late-2000s financial crisis influence construction labour productivity?. Construction Management and Economics, 2014, 32, 1030-1047.	3.2	15
100	Ripple effects of house prices: considering spatial correlations in geography and demography. International Journal of Housing Markets and Analysis, 2013, 6, 284-299.	1.1	11
101	Contemporary service theories integrated into construction project management. , 2013, , .		1
102	Construction Price Prediction Using Vector Error Correction Models. Journal of Construction Engineering and Management - ASCE, 2013, 139, .	4.0	23
103	SPATIO-TEMPORAL ANALYSIS OF HOUSE PRICE CONVERGENCE BASED ON A DEMOGRAPHICAL DISTANCE. International Journal of Strategic Property Management, 2013, 17, 263-277.	1.8	6
104	A panel error correction approach to explore spatial correlation patterns of the dominant housing market in Australian capital cities. International Journal of Housing Markets and Analysis, 2013, 6, 405-421.	1.1	10
105	The effects of the late 2000s global financial crisis on Australia's construction demand. Construction Economics and Building, 2013, 13, 65-79.	1.0	13
106	Investigating the Housing Market Fluctuation Under an Expansionary Monetary Policy in Australia. Pacific Rim Property Research Journal, 2012, 18, 81-89.	0.4	6
107	Labour productivity measurement with variable returns to scale in Australia's construction industry. Architectural Science Review, 2012, 55, 110-118.	2.1	20
108	Construction Capital Productivity Measurement Using a Data Envelopment Analysis. International Journal of Construction Management, 2011, 11, 49-61.	3.2	5

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109	House Price Bubble Estimations in Australia's Capital Cities with Market Fundamentals. Pacific Rim Property Research Journal, 2011, 17, 132-156.	0.4	5
110	Forecasting construction demand: a vector error correction model with dummy variables. Construction Management and Economics, 2011, 29, 969-979.	3.2	43
111	The decomposition of housing market variations. International Journal of Housing Markets and Analysis, 2010, 3, 6-16.	1.1	6
112	Measurement of Real Estate Bubble in China: An Overview of Direct Test Models Since 2003. , 2010, , .		0
113	Malmquist indices of total factor productivity changes in the Australian construction industry. Construction Management and Economics, 2010, 28, 933-945.	3.2	60
114	An interdependence analysis of Australian house prices using variance decomposition. International Journal of Housing Markets and Analysis, 2009, 2, 218-232.	1.1	6
115	Exploring Intersectoral Linkages between Real Estate and Construction. International Journal of Construction Management, 2008, 8, 73-85.	3.2	10
116	Exploring the Increasing Role of the Real Estate Sector in the Chinese Economy: 1997-2002. Pacific Rim Property Research Journal, 2008, 14, 279-297.	0.4	2
117	IDENTIFYING HOUSE PRICE DIFFUSION PATTERNS AMONG AUSTRALIAN STATE CAPITAL CITIES. International Journal of Strategic Property Management, 2008, 12, 237-250.	1.8	24
118	Granger Causality Among House Price and Macroeconomic Variables in Victoria. Pacific Rim Property Research Journal, 2007, 13, 234-256.	0.4	19
119	Modeling and Simulation of Collisions of Heavy Trucks with Concrete Barriers. Journal of Transportation Engineering, 2007, 133, 462-468.	0.9	20
120	Electronic Waste Exchange for Just-in-Time Building Demolition. International Journal of Construction Management, 2007, 7, 65-77.	3.2	7
121	An Input-Output Approach for Measuring Real Estate Sector Linkages. Journal of Property Research, 2007, 24, 71-91.	2.8	16
122	Dynamic simulation of collisions of heavy high-speed trucks with concrete barriers. Chaos, Solitons and Fractals, 2007, 34, 1239-1244.	5.2	15
123	HOUSING PRICE DIFFUSION PATTERN OF AUSTRALIA'S STATE CAPITAL CITIES. International Journal of Strategic Property Management, 2007, 11, 227-242.	1.8	75
124	Linkage measures of the construction sector using the hypothetical extraction method. Construction Management and Economics, 2006, 24, 579-589.	3.2	63
125	Case study of demolition costs of residential buildings. Construction Management and Economics, 2006, 24, 967-976.	3.2	35
126	A Framework for Material Management in the Building Demolition Industry. Architectural Science Review, 2006, 49, 391-398.	2.1	17



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127	Evolutionary Multiobjective Optimization in Engineering Management: An Empirical Application in Infrastructure Systems. , 2006, , .		1
128	EXPLORING TURNOVER INTENTION OF CONSTRUCTION MANAGERS IN CHINA. Journal of Construction Research, 2006, 07, 191-205.	0.3	14
129	Discussion of "Modeling a Contractor's Markup Estimation" by Min Liu and Yean Yng Ling. Journal of Construction Engineering and Management - ASCE, 2006, 132, 658-661.	4.0	1
130	The Australian Construction Linkages in the 1990s. Architectural Science Review, 2006, 49, 408-417.	2.1	9
131	Extending construction linkage measures by the consideration of the impact of capital. Construction Management and Economics, 2006, 24, 1207-1216.	3.2	4
132	LINKAGE MEASURES OF THE REAL ESTATE SECTOR CONSIDERING THE EFFECT OF CAPITAL. International Journal of Strategic Property Management, 2006, 10, 131-143.	1.8	1
133	Economic Indicator Comparisons of International Real Estate Sectors Using the Oecd Input-Output Database. International Journal of Construction Management, 2005, 5, 59-75.	3.2	15
134	Economic Performance Analysis of the Australian Property Sector Using Input-Output Tables. Pacific Rim Property Research Journal, 2005, 11, 412-425.	0.4	5
135	Evolutionary Multiobjective Optimization in Engineering Management: An Empirical Study on Bridge Deck Rehabilitation. , 2005, , .		2
136	MULTIFACTOR PRODUCTIVITY MEASURES OF CONSTRUCTION SECTORS USING OECD INPUT-OUTPUT DATABASE. Journal of Construction Research, 2005, 06, 209-222.	0.3	8
137	A LINKAGE MEASURE FRAMEWORK FOR THE REAL ESTATE SECTOR. International Journal of Strategic Property Management, 2005, 9, 121-143.	1.8	6
138	Comparison of Multifactor Productivity Indicators for Real Estate Sectors Using the Oecd Input-Output Database. Pacific Rim Property Research Journal, 2004, 10, 487-508.	0.4	4
139	Estimating Demolition Costs for Single Residential Buildings. Construction Economics and Building, 2003, 3, 33-42.	1.0	8
140	Information technology applications for bridge maintenance management. Logistics Information Management, 2001, 14, 393-400.	0.8	6
141	Comparative Study of Optimized and Conventional Bridges: Life Cycle Cost and Environmental Impact. , 2001, , 130.		4
142	Nonlinear collision analysis of heavy trucks onto steel highway guard fences. Structural Engineering and Mechanics, 2001, 12, 541-558.	1.0	5
143	Maintenance Strategy Optimization of Bridge Decks Using Genetic Algorithm. Journal of Transportation Engineering, 1997, 123, 91-100.	0.9	64
144	Network-Level Bridge Life-Cycle Management System. Journal of Infrastructure Systems, 1997, 3, 31-39.	1.9	17

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145	Multiobjective Optimization of Bridge Deck Rehabilitation Using a Genetic Algorithm. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 1997, 12, 431-443.	10.4	59
146	What hinders the implementation of carbon emission reduction in the construction industry: evidence from integrated multi-criteria decision-making in China. <i>Engineering, Construction and Architectural Management</i> , 0, , .	3.5	0