

Shu-Chien Hsu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5857111/shu-chien-hsu-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69
papers

1,423
citations

24
h-index

36
g-index

75
ext. papers

1,873
ext. citations

7.6
avg, IF

5.37
L-index

#	Paper	IF	Citations
69	Assessing effects of economic factors on construction cost estimation using deep neural networks. <i>Automation in Construction</i> , 2022 , 134, 104080	9.6	3
68	Group-Level Safety Climate in the Construction Industry: Influence of Organizational, Group, and Individual Factors. <i>Journal of Management in Engineering - ASCE</i> , 2022 , 38,	5.3	4
67	Learn Curve for Precast Component Productivity in Construction. <i>International Journal of Civil Engineering</i> , 2021 , 19, 1179-1194	1.9	0
66	A cross-region analysis of commercial food waste recycling behaviour. <i>Chemosphere</i> , 2021 , 274, 129750	8.4	4
65	The antecedents of safety leadership: The job demands-resources model. <i>Safety Science</i> , 2021 , 133, 104979	5.79	12
64	Preventing or encouraging illegal activities by construction firms: effects of top management team compensation and aspiration-performance discrepancies. <i>Engineering, Construction and Architectural Management</i> , 2021 , 28, 1739-1760	3.1	2
63	A socio-eco-efficiency analysis of water and wastewater treatment processes for refugee communities in Jordan. <i>Resources, Conservation and Recycling</i> , 2021 , 164, 105196	11.9	4
62	How energy service companies moderate the impact of industrialization and urbanization on carbon emissions in China?. <i>Science of the Total Environment</i> , 2021 , 751, 141610	10.2	28
61	Determining Worker Training Time for Precast Component Production in Construction: Empirical Study in Taiwan. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 05020023	4.2	4
60	Swarm-inspired data-driven approach for housing market segmentation: a case study of Taipei city. <i>Journal of Housing and the Built Environment</i> , 2021 , 36, 1787	2	1
59	An open-source and extensible platform for general infrastructure asset management system. <i>Automation in Construction</i> , 2021 , 127, 103692	9.6	4
58	Optimal Timing of the Seismic Vulnerability Reduction Measures Using Real Options Analysis. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2021 , 7, 04021027	1.7	1
57	Identifying critical building-oriented features in city-block-level building energy consumption: A data-driven machine learning approach. <i>Applied Energy</i> , 2021 , 301, 117453	10.7	4
56	Expediting Life Cycle Cost Analysis of Infrastructure Assets under Multiple Uncertainties by Deep Neural Networks. <i>Journal of Management in Engineering - ASCE</i> , 2021 , 37, 04021059	5.3	2
55	A modeling framework to examine photovoltaic rooftop peak shaving with varying roof availability: A case of office building in Hong Kong. <i>Journal of Building Engineering</i> , 2021 , 44, 103349	5.2	0
54	Renewable energy microgrids: Economic evaluation and decision making for government policies to contribute to affordable and clean energy. <i>Applied Energy</i> , 2020 , 274, 115287	10.7	35
53	Beyond Energy Balance: Environmental Trade-Offs of Organics Capture and Low Carbon-to-Nitrogen Ratio Sewage Treatment Systems. <i>Environmental Science & Technology</i> , 2020 , 54, 4746-4757	10.3	4

52	Deep neural network based framework for complex correlations in engineering metrics. <i>Advanced Engineering Informatics</i> , 2020 , 44, 101058	7.4	13
51	Corporate environmental performance prediction in China: An empirical study of energy service companies. <i>Journal of Cleaner Production</i> , 2020 , 266, 121395	10.3	12
50	Integrated life-cycle data envelopment analysis for techno-environmental performance evaluation on sludge-to-energy systems. <i>Applied Energy</i> , 2020 , 266, 114867	10.7	11
49	Life-cycle assessment of food waste recycling 2020 , 481-513		0
48	Detecting corporate misconduct through random forest in China's construction industry. <i>Journal of Cleaner Production</i> , 2020 , 268, 122266	10.3	12
47	Exploring the association rules of work activities for producing precast components. <i>Automation in Construction</i> , 2020 , 111, 103059	9.6	8
46	Effects of Career Horizon and Corporate Governance in China's Construction Industry: Multilevel Study of Top Management Fraud. <i>Journal of Management in Engineering - ASCE</i> , 2020 , 36, 04020057	5.3	1
45	Hybrid Machine Learning System to Forecast Electricity Consumption of Smart Grid-Based Air Conditioners. <i>IEEE Systems Journal</i> , 2019 , 13, 3120-3128	4.3	17
44	Considering user behavior in free-floating bike sharing system design: A data-informed spatial agent-based model. <i>Sustainable Cities and Society</i> , 2019 , 49, 101567	10.1	29
43	Comparative life cycle assessment of warm mix technologies in asphalt rubber pavements with uncertainty analysis. <i>Resources, Conservation and Recycling</i> , 2019 , 147, 137-144	11.9	33
42	Life cycle assessment and energy payback time of a standalone hybrid renewable energy commercial microgrid: A case study of Town Island in Hong Kong. <i>Applied Energy</i> , 2019 , 250, 760-775	10.7	20
41	A Standardized Stoichiometric Life-Cycle Inventory for Enhanced Specificity in Environmental Assessment of Sewage Treatment. <i>Environmental Science & Technology</i> , 2019 , 53, 5111-5123	10.3	5
40	A system dynamics approach to determine construction waste disposal charge in Hong Kong. <i>Journal of Cleaner Production</i> , 2019 , 241, 118309	10.3	30
39	A hybrid material flow analysis for quantifying multilevel anthropogenic resources. <i>Journal of Industrial Ecology</i> , 2019 , 23, 1456-1469	7.2	4
38	Multi-agent simulation regulated by microbe-oriented thermodynamics and kinetics equations for exploiting interspecies dynamics and evolution between methanogenesis, sulfidogenesis, hydrogenesis and exoelectrogenesis. <i>Journal of Hazardous Materials</i> , 2019 , 366, 573-581	12.8	2
37	Extended theory of planned behaviour for promoting construction waste recycling in Hong Kong. <i>Waste Management</i> , 2019 , 83, 161-170	8.6	73
36	Board Structure and Directors' Role in Preventing Corporate Misconduct in the Construction Industry. <i>Journal of Management in Engineering - ASCE</i> , 2018 , 34, 04017067	5.3	4
35	Quantifying potential anthropogenic resources of buildings through hot spot analysis. <i>Resources, Conservation and Recycling</i> , 2018 , 133, 10-20	11.9	40

34	Organizational Citizenship Behavior in Construction Megaprojects. <i>Journal of Management in Engineering - ASCE</i> , 2018 , 34, 04018017	5.3	29
33	Life-cycle cost-benefit analysis on sustainable food waste management: The case of Hong Kong International Airport. <i>Journal of Cleaner Production</i> , 2018 , 187, 751-762	10.3	44
32	Quantifying cost-effectiveness of subsurface strata exploration in excavation projects through geostatistics and spatial tessellation. <i>Automation in Construction</i> , 2018 , 90, 243-252	9.6	3
31	Life-cycle assessment on food waste valorisation to value-added products. <i>Journal of Cleaner Production</i> , 2018 , 199, 840-848	10.3	47
30	Multiagent Spatial Simulation of Autonomous Taxis for Urban Commute: Travel Economics and Environmental Impacts. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2018 , 144, 04018033	2.2	31
29	Evaluating efficiency of energy conservation measures in energy service companies in China. <i>Energy Policy</i> , 2018 , 122, 580-591	7.2	23
28	Corporate Misconduct Prediction with Support Vector Machine in the Construction Industry. <i>Journal of Management in Engineering - ASCE</i> , 2018 , 34, 04018021	5.3	2
27	Promoting food waste recycling in the commercial and industrial sector by extending the Theory of Planned Behaviour: A Hong Kong case study. <i>Journal of Cleaner Production</i> , 2018 , 204, 1034-1043	10.3	37
26	Water energy nexus in city and hinterlands: Multi-regional physical input-output analysis for Hong Kong and South China. <i>Applied Energy</i> , 2018 , 225, 986-997	10.7	50
25	Improving the sustainability of integrated transportation system with bike-sharing: A spatial agent-based approach. <i>Sustainable Cities and Society</i> , 2018 , 41, 44-51	10.1	59
24	Exploring spatial patterns of carbon dioxide emission abatement via energy service companies in China. <i>Resources, Conservation and Recycling</i> , 2018 , 137, 145-155	11.9	16
23	Carbon sequestration potential via energy harvesting from agricultural biomass residues in Mekong River basin, Southeast Asia. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 68, 1051-1062	16.2	21
22	A dimensional model for describing and differentiating project teams. <i>International Journal of Project Management</i> , 2017 , 35, 1052-1065	7.6	3
21	Structural analysis of the relationships between implementing tasks and ex-post effectiveness for disaster mitigation practice in Taipei City. <i>Sustainable Cities and Society</i> , 2017 , 34, 1-11	10.1	7
20	Eco-efficiency analysis of non-potable water systems in domestic buildings. <i>Applied Energy</i> , 2017 , 202, 293-307	10.7	26
19	Improving Hedging Decisions for Financial Risks of Construction Material Suppliers Using Grey System Theory. <i>Journal of Management in Engineering - ASCE</i> , 2017 , 33, 04017016	5.3	9
18	Spatial Agent-Based Model for Environmental Assessment of Passenger Transportation. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2017 , 143, 04017016	2.2	8
17	FORECASTING SPATIAL DYNAMICS OF THE HOUSING MARKET USING SUPPORT VECTOR MACHINE. <i>International Journal of Strategic Property Management</i> , 2017 , 21, 273-283	1.9	33

16	A self organizing map optimization based image recognition and processing model for bridge crack inspection. <i>Automation in Construction</i> , 2017 , 73, 58-66	9.6	31
15	Understanding the relationships between environmental management practices and financial performances of multinational construction firms. <i>Journal of Cleaner Production</i> , 2016 , 139, 750-760	10.3	53
14	Understanding the relationship between safety investment and safety performance of construction projects through agent-based modeling. <i>Accident Analysis and Prevention</i> , 2016 , 94, 8-17	6.1	58
13	Eco-efficiency analysis of sludge treatment scenarios in urban cities: the case of Hong Kong. <i>Journal of Cleaner Production</i> , 2016 , 112, 3028-3039	10.3	17
12	The linkages between internationalization and environmental strategies of multinational construction firms. <i>Journal of Cleaner Production</i> , 2016 , 116, 207-216	10.3	38
11	Understanding the complexity of project team member selection through agent-based modeling. <i>International Journal of Project Management</i> , 2016 , 34, 82-93	7.6	28
10	SUCCESS FACTORS FOR TAIWANESE CONTRACTORS COLLABORATING WITH LOCAL CHINESE CONTRACTORS IN CONSTRUCTION PROJECTS. <i>Journal of Business Economics and Management</i> , 2016 , 17, 1007-1021	2	4
9	Classifying Influential Information to Discover Rule Sets for Project Disputes and Possible Resolutions. <i>International Journal of Project Management</i> , 2016 , 34, 1706-1716	7.6	18
8	Proactive behavior-based safety management for construction safety improvement. <i>Safety Science</i> , 2015 , 75, 107-117	5.8	186
7	Towards a safety management approach for adjacent buildings in tunneling environments: Case study in China. <i>Building and Environment</i> , 2014 , 75, 222-235	6.5	27
6	Determining and Classifying Factors of Employees' Expatriation Willingness Using Rough Set Theory. <i>Journal of Management in Engineering - ASCE</i> , 2014 , 30, 04014021	5.3	4
5	Web-based real time bridge scour monitoring system for disaster management. <i>Baltic Journal of Road and Bridge Engineering</i> , 2014 , 9, 17-25	0.9	4
4	Knowledge Management for Risk Hedging by Construction Material Suppliers. <i>Journal of Management in Engineering - ASCE</i> , 2012 , 28, 273-280	5.3	13
3	A Decision Model for Technology Selection in Renovation Project Planning 2010 ,		2
2	Quantifying Impact Factors of Corporate Financing: Engineering Consulting Firms. <i>Journal of Management in Engineering - ASCE</i> , 2008 , 24, 96-104	5.3	13
1	Hybrid ANN-CBR model for disputed change orders in construction projects. <i>Automation in Construction</i> , 2007 , 17, 56-64	9.6	46