Jasmine Siu Lee Lam

List of Publications by Year
in descending order

152	5,647	57758	102487
papers	citations	44 h-index	66 g-index

152	152	152	3394
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review of energy efficiency in ports: Operational strategies, technologies and energy management systems. Renewable and Sustainable Energy Reviews, 2019, 112, 170-182.	16.4	293
2	The Greening of Ports: A Comparison of Port Management Tools Used by Leading Ports in Asia and Europe. Transport Reviews, 2014, 34, 169-189.	8.8	243
3	Environmental sustainability in seaports: a framework for successful innovation. Maritime Policy and Management, 2014, 41, 480-500.	3.8	198
4	Managing reverse logistics to enhance sustainability of industrial marketing. Industrial Marketing Management, 2012, 41, 589-598.	6.7	153
5	Designing a sustainable maritime supply chain: A hybrid QFDâ€“ANP approach. Transportation Research, Part E: Logistics and Transportation Review, 2015, 78, 70-81.	7.4	140
6	A quality function deployment approach to improve maritime supply chain resilience. Transportation Research, Part E: Logistics and Transportation Review, 2016, 92, 16-27.	7.4	136
7	Optimal energy management and operations planning in seaports with smart grid while harnessing renewable energy under uncertainty. Omega, 2021, 103, 102445.	5.9	105
8	Dynamics of liner shipping network and port connectivity in supply chain systems: analysis on East Asia. Journal of Transport Geography, 2011, 19, 1272-1281.	5.0	99
9	Developing environmental sustainability by ANP-QFD approach: the case of shipping operations. Journal of Cleaner Production, 2015, 105, 275-284.	9.3	98
10	Cooperation or competition? Factors and conditions affecting regional port governance in South China. Maritime Economics and Logistics, 2012, 14, 386-408.	4.0	94
11	Modeling the Impacts of Tides and the Virtual Arrival Policy in Berth Allocation. Transportation Science, 2015, 49, 939-956.	4.4	94
12	Green port marketing for sustainable growth and development. Transport Policy, 2019, 84, 73-81.	6.6	91
13	80Âmillion-twenty-foot-equivalent-unit container port? Sustainability issues inÂport and coastal development. Ocean and Coastal Management, 2013, 71, 13-25.	4.4	90
14	Recoverable robustness in weekly berth and quay crane planning. Transportation Research Part B: Methodological, 2019, 122, 365-389.	5.9	89
15	Process characterisation of 3D-printed FDM components using improved evolutionary computational approach. International Journal of Advanced Manufacturing Technology, 2015, 78, 781-793.	3.0	87
16	Environmental sustainability of logistics service provider: an ANP-QFD approach. International Journal of Logistics Management, 2015, 26, 313-333.	6.6	86
17	Sharing environmental management information with supply chain partners and the performance contingencies on environmental munificence. International Journal of Production Economics, 2015, 164, 445-453.	8.9	86
18	Developments in Container Port Competition in East Asia. Transport Reviews, 2006, 26, 167-188.	8.8	81

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19	Patterns of maritime supply chains: slot capacity analysis. Journal of Transport Geography, 2011, 19, 366-374.	5.0	74
20	Disruption risks and mitigation strategies: an analysis of Asian ports. Maritime Policy and Management, 2015, 42, 415-435.	3.8	73
21	Port hinterland intermodal container flow optimisation with green concerns: a literature review and research agenda. International Journal of Shipping and Transport Logistics, 2013, 5, 257.	0.5	70
22	A market-oriented approach for intermodal network optimisation meeting cost, time and environmental requirements. International Journal of Production Economics, 2016, 171, 266-274.	8.9	70
23	The effect of institutional factors on publicâ€“private partnership success in ports. Transportation Research, Part A: Policy and Practice, 2015, 71, 110-127.	4.2	69
24	Maritime cluster evolution based on symbiosis theory and Lotkaâ€“Volterra model. Maritime Policy and Management, 2013, 40, 161-176.	3.8	67
25	Energy conservation in manufacturing operations: modelling the milling process by a new complexity-based evolutionary approach. Journal of Cleaner Production, 2015, 108, 34-45.	9.3	67
26	Estimating the economic losses of port disruption due to extreme wind events. Ocean and Coastal Management, 2015, 116, 300-310.	4.4	67
27	Competition dynamics between container ports in East Asia. Transportation Research, Part A: Policy and Practice, 2006, 40, 35-51.	4.2	64
28	Scenario analysis for supply chain integration in container shipping. Maritime Policy and Management, 2011, 38, 705-725.	3.8	64
29	Risk assessment framework for exposure of cargo and ports to natural hazards and climate extremes. Maritime Policy and Management, 2017, 44, 1-15.	3.8	64
30	Optimal sustainable life cycle maintenance strategies for port infrastructures. Journal of Cleaner Production, 2017, 142, 1693-1709.	9.3	64
31	Port performance in container transport logistics: A multi-stakeholder perspective. Transport Policy, 2019, 73, 25-40.	6.6	61
32	An interpretation of inter-container port relationships from the demand perspective. Maritime Policy and Management, 2004, 31, 337-355.	3.8	56
33	A measurement and Comparison of Cost Competitiveness of Container Ports in Southeast Asia. Transportation, 2006, 33, 641-654.	4.0	56
34	Blockchain adoptions in the maritime industry: a conceptual framework. Maritime Policy and Management, 2021, 48, 777-794.	3.8	56
35	Stakeholder management for establishing sustainable regional port governance. Research in Transportation Business and Management, 2013, 8, 30-38.	2.9	55
36	Strategic investment in enhancing portâ€“hinterland container transportation network resilience: A network game theory approach. Transportation Research Part B: Methodological, 2018, 111, 83-112.	5.9	55

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37	A copula-GARCH approach for analyzing dynamic conditional dependency structure between liquefied petroleum gas freight rate, product price arbitrage and crude oil price. Energy Economics, 2019, 78, 412-427.	12.1	55
38	Container port competition and complementarity in supply chain systems: Evidence from the Pearl River Delta. Maritime Economics and Logistics, 2011, 13, 102-120.	4.0	54
39	A new computational intelligence approach in formulation of functional relationship of open porosity of the additive manufacturing process. International Journal of Advanced Manufacturing Technology, 2015, 80, 555-565.	3.0	54
40	Modeling multiple-response environmental and manufacturing characteristics of EDM process. Journal of Cleaner Production, 2016, 137, 1588-1601.	9.3	54
41	Robust model design for evaluation of power characteristics of the cleaner energy system. Renewable Energy, 2017, 112, 302-313.	8.9	53
42	The impact of environmental policy on ports and the associated economic opportunities. Transportation Research, Part A: Policy and Practice, 2018, 110, 234-242.	4.2	53
43	A systems framework for the sustainable development of a Port City: A case study of Singapore's policies. Research in Transportation Business and Management, 2017, 22, 255-262.	2.9	51
44	Improving environmental sustainability by formulation of generalized power consumption models using an ensemble based multi-gene genetic programming approach. Journal of Cleaner Production, 2015, 102, 246-263.	9.3	48
45	Sustainability and interactivity between cities and ports: a two-stage data envelopment analysis (DEA) approach. Maritime Policy and Management, 2018, 45, 944-961.	3.8	48
46	Structure, conduct and performance on the major liner shipping routes 1. Maritime Policy and Management, 2007, 34, 359-381.	3.8	41
47	Estimating economic losses of industry clusters due to port disruptions. Transportation Research, Part A: Policy and Practice, 2016, 91, 17-33.	4.2	41
48	Competition for transhipment containers by major ports in Southeast Asia: slot capacity analysis. Maritime Policy and Management, 2008, 35, 89-101.	3.8	40
49	A Stakeholder Perspective of Port City Sustainable Development. Sustainability, 2019, 11, 447.	3.2	40
50	The 21st-century Maritime Silk Road: challenges and opportunities for transport management and practice. Transport Reviews, 2018, 38, 413-415.	8.8	39
51	An empirical analysis of maritime cluster evolution from the port development perspective â€“ Cases of London and Hong Kong. Transportation Research, Part A: Policy and Practice, 2017, 105, 219-232.	4.2	36
52	Reliability analysis of offshore structures within a time varying environment. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1615-1636.	4.0	35
53	Power consumption and tool life models for the production process. Journal of Cleaner Production, 2016, 131, 754-764.	9.3	35
54	A fuzzy Delphi-AHP-TOPSIS framework to identify barriers in big data analytics adoption: case of maritime organizations. Maritime Policy and Management, 2019, 46, 781-801.	3.8	35

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55	Developing the fifth generation port concept model: an empirical test. International Journal of Logistics Management, 2018, 29, 1098-1120.	6.6	34
56	Cyclone risk mapping for critical coastal infrastructure: Cases of East Asian seaports. Ocean and Coastal Management, 2017, 141, 43-54.	4.4	33
57	A review of port devolution and governance models with compound eyes approach. Transport Reviews, 2017, 37, 507-520.	8.8	33
58	A decision support system for port selection. Transportation Planning and Technology, 2012, 35, 509-524.	2.0	32
59	Benefits and barriers of supply chain integration: empirical analysis of liner shipping. International Journal of Shipping and Transport Logistics, 2013, 5, 13.	0.5	32
60	Asian economic integration and maritime CO2 emissions. Transportation Research, Part D: Transport and Environment, 2016, 43, 226-237.	6.8	31
61	The Greening of Terminal Concessions in Seaports. Sustainability, 2018, 10, 3318.	3.2	31
62	Developing supply chain security design of logistics service providers. International Journal of Physical Distribution and Logistics Management, 2015, 45, 674-690.	7.4	30
63	Simulation-based catastrophe-induced port loss estimation. Reliability Engineering and System Safety, 2018, 175, 1-12.	8.9	30
64	Port strategy in the era of supply chain management: the case of Hong Kong. Maritime Policy and Management, 2014, 41, 367-383.	3.8	29
65	A molecular simulation based computational intelligence study of a nano-machining process with implications on its environmental performance. Swarm and Evolutionary Computation, 2015, 21, 54-63.	8.1	29
66	Evaluating economic and environmental value of liner vessel sharing along the maritime silk road. Maritime Policy and Management, 2018, 45, 336-350.	3.8	29
67	Chapter 13 The Port of Singapore and its Governance Structure. Research in Transportation Economics, 2006, 17, 285-310.	4.1	28
68	Enhanced logistics service provider framework for higher integration and efficiency in maritime logistics. International Journal of Logistics Research and Applications, 2014, 17, 89-113.	8.8	28
69	Impacts of Schedule Reliability and Sailing Frequency on the Liner Shipping and Port Industry: A Study of Daily Maersk. Transportation Journal, 2014, 53, 235-253.	0.7	28
70	A bilevel storage pricing model for outbound containers in a dry port system. Transportation Research, Part E: Logistics and Transportation Review, 2015, 73, 65-83.	7.4	28
71	Are the innovation processes in seaport terminal operations successful?. Maritime Policy and Management, 2018, 45, 787-802.	3.8	28
72	Analysing business models of liner shipping companies. International Journal of Shipping and Transport Logistics, 2018, 10, 237.	0.5	27

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73	Measurement of environmental aspect of 3-D printing process using soft computing methods. Measurement: Journal of the International Measurement Confederation, 2015, 75, 210-217.	5.0	26
74	Transportation research trends in environmental issues: a literature review of methodology and key subjects. International Journal of Shipping and Transport Logistics, 2016, 8, 612.	0.5	25
75	Incentive policy for reduction of emission from ships: A case study of China. Marine Policy, 2017, 86, 253-258.	3.2	25
76	Mathematical programming formulations for the strategic berth template problem. Computers and Industrial Engineering, 2018, 124, 167-179.	6.3	25
77	Container Port Competition and Competitiveness Analysis: Asian Major Ports. Profiles in Operations Research, 2015, , 97-136.	0.4	25
78	Dealing with uncertainty and volatility in shipping and ports. Maritime Policy and Management, 2014, 41, 611-614.	3.8	24
79	Incorporating corporate social responsibility in strategic planning: case of ship-operating companies. International Journal of Shipping and Transport Logistics, 2016, 8, 273.	0.5	24
80	An empirical test of the balanced theory of port competitiveness. International Journal of Logistics Management, 2017, 28, 363-378.	6.6	24
81	Daily Maerskâ€™s impacts on shipperâ€™s supply chain inventories and implications for the liner shipping industry. Maritime Policy and Management, 2015, 42, 246-262.	3.8	22
82	Risk analysis of marine cargoes and major port disruptions. Maritime Economics and Logistics, 2019, 21, 497-523.	4.0	22
83	Cold chain shipping mode choice with environmental and financial perspectives. Transportation Research, Part D: Transport and Environment, 2020, 87, 102537.	6.8	22
84	Laser power based surface characteristics models for 3-D printing process. Journal of Intelligent Manufacturing, 2018, 29, 1191-1202.	7.3	20
85	A fast reaction-based port vulnerability assessment: Case of Tianjin Port explosion. Transportation Research, Part A: Policy and Practice, 2019, 128, 11-33.	4.2	20
86	Shipping mode choice in cold chain from a value-based management perspective. Transportation Research, Part E: Logistics and Transportation Review, 2018, 110, 147-167.	7.4	19
87	Cyclone risk model and assessment for East Asian container ports. Ocean and Coastal Management, 2019, 178, 104796.	4.4	19
88	A serving innovation typology: mapping port-related innovations. Transport Reviews, 2019, 39, 611-629.	8.8	19
89	Life cycle assessment of diesel and hydrogen power systems in tugboats. Transportation Research, Part D: Transport and Environment, 2022, 103, 103192.	6.8	18
90	Seaport network performance measurement in the context of global freight supply chains. Polish Maritime Research, 2013, 20, 47-54.	1.9	17

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91	Greenhouse gas impact of digitalizing shipping documents: Blockchain vs. centralized systems. Transportation Research, Part D: Transport and Environment, 2021, 97, 102942.	6.8	17
92	Non-conventional modeling of extreme significant wave height through random sets. Acta Oceanologica Sinica, 2014, 33, 125-130.	1.0	16
93	Evolving Functional Expression of Permeability of Fly Ash by a New Evolutionary Approach. Transport in Porous Media, 2015, 107, 555-571.	2.6	16
94	Analysis of liner shipping networks and transshipment flows of potential hub ports in sub-Saharan Africa. Transport Policy, 2018, 69, 193-206.	6.6	16
95	Innovative solutions for enhancing customer value in liner shipping. Transport Policy, 2019, 82, 88-95.	6.6	16
96	Design of explicit models for estimating efficiency characteristics of microbial fuel cells. Energy, 2017, 134, 136-156.	8.8	16
97	The Value of Sharing Inland Transportation Services in a Dry Port System. Transportation Science, 2018, 52, 835-849.	4.4	15
98	A destination choice model for very large gas carriers (VLGC) loading from the US Gulf. Energy, 2019, 174, 1267-1275.	8.8	15
99	Simulation-based severe weather-induced container terminal economic loss estimation. Maritime Policy and Management, 2019, 46, 92-116.	3.8	15
100	An integrated analysis of interrelationships within the very large gas carrier (VLGC) shipping market. Maritime Economics and Logistics, 2019, 21, 372-389.	4.0	15
101	Bottlenecks of LNG supply chain in energy transition: A case study of China using system dynamics simulation. Energy, 2022, 250, 123803.	8.8	15
102	Effects of container ship speed on CO2 emission, cargo lead time and supply chain costs. Research in Transportation Business and Management, 2022, 43, 100723.	2.9	14
103	Functional characterization of current characteristic of direct methanol fuel cell. Fuel, 2016, 183, 432-440.	6.4	13
104	A hybrid computational intelligence framework in modelling of coal-oil agglomeration phenomenon. Applied Soft Computing Journal, 2017, 55, 402-412.	7.2	13
105	Willingness to take contractual risk in port public-private partnerships under economic volatility: The role of institutional environment in emerging economies. Transport Policy, 2019, 81, 106-116.	6.6	13
106	An integrated approach for port selection, ship scheduling and financial analysis. NETNOMICS: Economic Research and Electronic Networking, 2010, 11, 33-46.	0.9	12
107	Dynamic regional port cluster development: case of the ports across Taiwan Strait. Geo Journal, 2015, 80, 619-636.	3.1	12
108	Assessment of the Competitiveness of Ports as Bunkering Hubs: Empirical Studies on Singapore and Shanghai. Transportation Journal, 2011, 50, 176-203.	0.7	11

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109	A Bilevel Analytical Model for Dynamic Storage Pricing in a Supply Hub in Industrial Park (SHIP). IEEE Transactions on Automation Science and Engineering, 2015, 12, 1017-1032.	5.2	11
110	A Copula Approach in the Point Estimate Method for Reliability Engineering. Quality and Reliability Engineering International, 2016, 32, 1501-1508.	2.3	11
111	Freight rate co-movement and risk spillovers in the product tanker shipping market: A copula analysis. Transportation Research, Part E: Logistics and Transportation Review, 2021, 149, 102315.	7.4	11
112	The dual-channel sales strategy of liner slots considering shipping e-commerce platforms. Computers and Industrial Engineering, 2021, 159, 107516.	6.3	11
113	A THEORETICAL FRAMEWORK FOR THE EVALUATION OF COMPETITION BETWEEN CONTAINER TERMINAL OPERATORS. Singapore Economic Review, 2011, 56, 535-559.	1.7	10
114	Mining maritime schedules for analysing global shipping networks. International Journal of Business Intelligence and Data Mining, 2012, 7, 186.	0.2	10
115	The impact of institutional conditions on willingness to take contractual risk in port public-private partnerships of developing countries. Transportation Research, Part A: Policy and Practice, 2020, 133, 12-26.	4.2	10
116	Emission accounting of shipping activities in the era of big data. International Journal of Shipping and Transport Logistics, 2021, 13, 156.	0.5	10
117	A game theoretic approach of optimal adoption time of blockchain: A case of ship operators. Computers and Industrial Engineering, 2022, 169, 108219.	6.3	10
118	An empirical investigation of logistics infrastructure projects in emerging economies. Maritime Economics and Logistics, 2018, 20, 48-71.	4.0	9
119	Is methanol a future marine fuel for shipping?. Journal of Physics: Conference Series, 2019, 1357, 012014.	0.4	9
120	Intelligent optimization of bioleaching process for waste lithiumâ€ion batteries: An application of support vector regression approach. International Journal of Energy Research, 2021, 45, 6152-6162.	4.5	9
121	Shipping sentiment and the dry bulk shipping freight market: New evidence from newspaper coverage. Transportation Research, Part E: Logistics and Transportation Review, 2021, 155, 102490.	7.4	9
122	Risk Management in Maritime Logistics and Supply Chains. , 2012, , 117-131.		7
123	Conflict resolution for enhancing shipping safety and improving navigational traffic within a seaport: vessel arrival scheduling. Transportmetrica A: Transport Science, 2017, 13, 727-741.	2.0	7
124	Li-ion battery cell equalization by modules with chain structure switched capacitors. , 2016, , .		6
125	Energy component in the density of selective laser melting fabricated prototype. International Journal of Advanced Manufacturing Technology, 2016, 86, 603-611.	3.0	5
126	Energy strategies of China and their impacts on energy shipping import through the Straits of Malacca and Singapore. Maritime Business Review, 2022, 7, 145-160.	1.8	5

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127	Emissions from container vessels in the port of Singapore. Maritime Policy and Management, 2022, 49, 306-322.	3.8	5
128	Impact of Port Disruption on Supply Chains: A Petri Net Approach. Lecture Notes in Computer Science, 2012, , 72-85.	1.3	5
129	Private Finance in Port Investment: The South Pacific Islands. , 2016, , 178-197.		5
130	Impacts of energy transition on Liquefied Natural Gas shipping: A case study of China and its strategies. Transport Policy, 2022, 115, 262-274.	6.6	5
131	Economic impact of port disruptions on industry clusters: A case study of Shenzhen. , 2015, , .		4
132	Catastrophe risk assessment framework of ports and industrial clusters: a case study of the Guangdong province. International Journal of Shipping and Transport Logistics, 2019, 11, 1.	0.5	4
133	Optimal emission control under public port rivalry: A comparison of competitive and cooperative policy. Maritime Transport Research, 2020, 1, 100005.	3.2	4
134	Analyzing Business Models of Liner Shipping Companies. International Journal of Shipping and Transport Logistics, 2018, 10, 1.	0.5	4
135	Effects of project-specific government involvement actions on the attractiveness of port public-private partnerships among private investors. Transport Policy, 2022, 125, 59-69.	6.6	4
136	Towards a normative model for managing container shipping supply chains. International Journal of Logistics Systems and Management, 2013, 14, 200.	0.2	3
137	Risk management in port and maritime logistics. Accident Analysis and Prevention, 2019, 123, 397-398.	5.7	3
138	Optimal storage pricing and pickup scheduling for inbound containers in a dry port system. , 2014, , .		2
139	Feasibility of implementing energy management system in ports. , 2017, , .		2
140	Models for continuous berth allocation and quay crane assignment: Computational comparison. , 2017, , .		2
141	Measuring the Impact of E-Collaboration on Supply Chain Parties: A Value-Based Management Approach. IEEE Access, 2021, 9, 118181-118193.	4.2	2
142	A New Variant of Genetic Programming in Formulation of Laser Energy Consumption Model of 3D Printing Process. Environmental Footprints and Eco-design of Products and Processes, 2016, , 31-50.	1.1	2
143	Multi-link-ahead Conflicts Prediction in Dynamic Seaport Environments. Gaming Media and Social Effects, 2014, , 69-84.	0.7	2
144	The Impact of Covid-19 on Blockchain Adoption Time of Shipowners. , 2021, , .		2

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145	Blockchain Adoption Time of Shipowners: A Game Theoretic Analysis. , 2020, , .		1
146	Volatility and Uncertainty in Container Shipping Market. WMU Studies in Maritime Affairs, 2021, , 11-32.	1.0	1
147	Synchronisation of Seaborne Cold Chains. , 2010, , .		1
148	Portfolio valueâ€tâ€risk estimation for spot chartering decisions under changing trade patterns: A copula approach. Risk Analysis, 2023, 43, 1278-1292.	2.7	1
149	Port Planning and Investment. , 2021, , 443-448.		0
150	Global Shipping and Ports: The Quest for Sustained Competitiveness. Transportation Journal, 2018, 57, 233-237.	0.7	0
151	Catastrophe risk assessment framework of ports and industrial clusters: a case study of the Guangdong province. International Journal of Shipping and Transport Logistics, 2019, 11, 1.	0.5	0
152	Integrated Cost and Risk Management Enhancing Supply Chain Resilience. Springer Tracts in Civil Engineering, 2022, , 385-399.	0.5	0