

Ek Peng Chew

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

2,593
citations

201575

27
h-index

206029

48
g-index

100
all docs

100
docs citations

100
times ranked

1529
citing authors

#	ARTICLE	IF	CITATIONS
1	An Integrated Model for Berth Template and Yard Template Planning in Transshipment Hubs. <i>Transportation Science</i> , 2011, 45, 483-504.	2.6	183
2	A decision model for berth allocation under uncertainty. <i>European Journal of Operational Research</i> , 2011, 212, 54-68.	3.5	147
3	An optimization model for storage yard management in transshipment hubs. <i>OR Spectrum</i> , 2006, 28, 539-561.	2.1	140
4	Travel time analysis for general item location assignment in a rectangular warehouse. <i>European Journal of Operational Research</i> , 1999, 112, 582-597.	3.5	122
5	Finding the non-dominated Pareto set for multi-objective simulation models. <i>IIE Transactions</i> , 2010, 42, 656-674.	2.1	113
6	A yard storage strategy for minimizing traffic congestion in a marine container transshipment hub. <i>OR Spectrum</i> , 2008, 30, 697-720.	2.1	107
7	Daily berth planning in a tidal port with channel flow control. <i>Transportation Research Part B: Methodological</i> , 2017, 106, 193-217.	2.8	107
8	Multi-objective simulation-based evolutionary algorithm for an aircraft spare parts allocation problem. <i>European Journal of Operational Research</i> , 2008, 189, 476-491.	3.5	97
9	Joint inventory allocation and pricing decisions for perishable products. <i>International Journal of Production Economics</i> , 2009, 120, 139-150.	5.1	88
10	A container yard storage strategy for improving land utilization and operation efficiency in a transshipment hub port. <i>European Journal of Operational Research</i> , 2012, 221, 64-73.	3.5	83
11	The sample average approximation method for empty container repositioning with uncertainties. <i>European Journal of Operational Research</i> , 2012, 222, 65-75.	3.5	79
12	Port connectivity study: An analysis framework from a global container liner shipping network perspective. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015, 73, 47-64.	3.7	75
13	Container transshipment and port competition. <i>Maritime Policy and Management</i> , 2013, 40, 479-494.	1.9	66
14	A Simulation Budget Allocation Procedure for Enhancing the Efficiency of Optimal Subset Selection. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 62-75.	3.6	55
15	Optimal dynamic pricing and ordering decisions for perishable products. <i>International Journal of Production Economics</i> , 2014, 157, 39-48.	5.1	54
16	MicroPort: A general simulation platform for seaport container terminals. <i>Advanced Engineering Informatics</i> , 2012, 26, 80-89.	4.0	52
17	Vehicle dispatching algorithms for container transshipment hubs. <i>OR Spectrum</i> , 2010, 32, 663-685.	2.1	46
18	Optimal Computing Budget Allocation for Particle Swarm Optimization in Stochastic Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2017, 21, 206-219.	7.5	46

#	ARTICLE	IF	CITATIONS
19	Analytics with digital-twinning: A decision support system for maintaining a resilient port. Decision Support Systems, 2021, 143, 113496.	3.5	46
20	Flexible space-sharing strategy for storage yard management in a transshipment hub port. OR Spectrum, 2013, 35, 417-439.	2.1	38
21	A Comparative Study on Two Types of Automated Container Terminal Systems. IEEE Transactions on Automation Science and Engineering, 2012, 9, 56-69.	3.4	37
22	Enhancement of supply chain resilience through inter-echelon information sharing. Flexible Services and Manufacturing Journal, 2017, 29, 260-285.	1.9	37
23	An optimisation framework for yard planning in a container terminal: case with automated rail-mounted gantry cranes. OR Spectrum, 2010, 32, 519-541.	2.1	36
24	Integration of indifference-zone with multi-objective computing budget allocation. European Journal of Operational Research, 2010, 203, 419-429.	3.5	31
25	Dynamic determination of vessel speed and selection of bunkering ports for liner shipping under stochastic environment. OR Spectrum, 2014, 36, 455-480.	2.1	29
26	Capacity planning for mega container terminals with multi-objective and multi-fidelity simulation optimization. IIE Transactions, 2017, 49, 849-862.	1.6	29
27	MO-COMPASS: a fast convergent search algorithm for multi-objective discrete optimization via simulation. IIE Transactions, 2015, 47, 1153-1169.	2.1	28
28	A Review on Yard Management in Container Terminals. Industrial Engineering and Management Systems, 2013, 12, 289-304.	0.3	28
29	Multicommodity network flow model for Asia's container ports. Maritime Policy and Management, 2006, 33, 387-402.	1.9	27
30	Multi-objective ordinal optimization for simulation optimization problems. Automatica, 2007, 43, 1884-1895.	3.0	27
31	Design and evaluation of mega container terminal configurations: An integrated simulation framework. Simulation, 2013, 89, 684-692.	1.1	24
32	sailing speed optimization problem. Transportation Research, Part E: Logistics and Transportation Review, 2015, 76, 76-92.	3.7	23
33	Optimal Computing Budget Allocation to Select the Nondominated Systemsâ€”A Large Deviations Perspective. IEEE Transactions on Automatic Control, 2018, 63, 2913-2927.	3.6	22
34	A novel approach to yard planning under vessel arrival uncertainty. Flexible Services and Manufacturing Journal, 2012, 24, 274-293.	1.9	20
35	Analysis on container port capacity: a Markovian modeling approach. OR Spectrum, 2014, 36, 425-454.	2.1	20
36	Short-term space allocation for storage yard management in a transshipment hub port. OR Spectrum, 2014, 36, 879-901.	2.1	20

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37	Tree based searching approaches for integrated vehicle dispatching and container allocation in a transshipment hub. Expert Systems With Applications, 2017, 74, 139-150.	4.4	19
38	Advances in simulation optimization and its applications. IIE Transactions, 2013, 45, 683-684.	2.1	18
39	Information-Based Allocation Strategy for GRID-Based Transshipment Automated Container Terminal. Transportation Science, 2018, 52, 707-721.	2.6	18
40	Dynamic rationing and ordering policies for multiple demand classes. OR Spectrum, 2013, 35, 127-151.	2.1	17
41	Improving Analytic Hierarchy Process Expert Allocation Using Optimal Computing Budget Allocation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1140-1147.	5.9	17
42	Analysis on high throughput layout of container yards. International Journal of Production Research, 2018, 56, 5345-5364.	4.9	16
43	Computing budget allocation rules for multi-objective simulation models based on different measures of selection quality. Automatica, 2010, 46, 1935-1950.	3.0	15
44	DEA based on strongly efficient and inefficient frontiers and its application on port efficiency measurement. OR Spectrum, 2012, 34, 943-969.	2.1	15
45	An introduction and performance evaluation of the GRID system for transshipment terminals. Simulation, 2016, 92, 277-293.	1.1	15
46	Frame Trolley Dispatching Algorithm for the Frame Bridge Based Automated Container Terminal. Transportation Science, 2018, 52, 722-737.	2.6	13
47	A decomposition method to analyze the performance of frame bridge based automated container terminal. Expert Systems With Applications, 2014, 41, 357-365.	4.4	12
48	Integrated inventory and transportation decision for ubiquitous supply chain management. Journal of Intelligent Manufacturing, 2012, 23, 977-988.	4.4	11
49	CHALLENGES AND OPPORTUNITIES IN INTEGRATION OF SIMULATION AND OPTIMIZATION IN MARITIME LOGISTICS. , 2018, , .		11
50	Finding the pareto set for multi-objective simulation models by minimization of expected opportunity cost. , 2007, , .		10
51	The impact of supply chain visibility when lead time is random. OR Spectrum, 2013, 35, 163-190.	2.1	10
52	Classification and literature review on the integration of simulation and optimization in maritime logistics studies. IIE Transactions, 0, , 1-39.	1.6	10
53	Dual-channel component replenishment problem in an assemble-to-order system. IIE Transactions, 2013, 45, 229-243.	2.1	9
54	Impacts of supplier knowledge sharing competences and production capacities on radical innovative product sourcing. European Journal of Operational Research, 2014, 232, 41-51.	3.5	9

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55	Sample average approximation under non-i.i.d. sampling for stochastic empty container repositioning problem. OR Spectrum, 2015, 37, 389-405.	2.1	9
56	Discrete event simulation model for airline operations: SIMAIR. , 0, , .		8
57	An improved simulation budget allocation procedure to efficiently select the optimal subset of many alternatives. , 2012, , .		8
58	Performance Analysis on Transfer Platforms in Frame Bridge Based Automated Container Terminals. Mathematical Problems in Engineering, 2013, 2013, 1-8.	0.6	8
59	Quantifying the Effect of Sharing Information in a Supply Chain Facing Supply Disruptions. Asia-Pacific Journal of Operational Research, 2016, 33, 1650029.	0.9	8
60	A simulation study on sampling and selecting under fixed computing budget. , 0, , .		7
61	Consistency matters: Revisiting the structural complexity for supply chain networks. Physica A: Statistical Mechanics and Its Applications, 2021, 572, 125862.	1.2	7
62	A study on multi-objective particle swarm optimization with weighted scalarizing functions. , 2014, , .		6
63	Mixed bundle retailing under a stochastic market. Flexible Services and Manufacturing Journal, 2015, 27, 606-629.	1.9	6
64	A hierarchical modeling paradigm for multi-fidelity simulation of mega container terminals. , 2017, , .		6
65	Innovative Container Terminals to Improve Global Container Transport Chains. Profiles in Operations Research, 2015, , 3-41.	0.3	6
66	An approximate dynamic programming approach for <scp>productionâ€delivery</scp> scheduling under nonâ€stationary demand. Naval Research Logistics, 2022, 69, 511-528.	1.4	6
67	Design sampling and replication assignment under fixed computing budget. Journal of Systems Science and Systems Engineering, 2005, 14, 289-307.	0.8	5
68	Integration of Statistical Selection with Search Mechanism for Solving Multi-Objective Simulation-Optimization Problems. , 2006, , .		5
69	A simulation study for next generation transshipment port. , 2014, , .		5
70	A study on crate sizing problems. International Journal of Production Research, 2015, 53, 3341-3353.	4.9	5
71	Performance Estimation and Design Optimization of a Congested Automated Container Terminal. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2437-2449.	3.4	5
72	A Simulation Optimisation Framework for Container Terminal Layout Design. , 2011, , 385-400.		5

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73	Application of Multi-objective Simulation-optimization Techniques to Inventory Management Problems. , 0, , .		4
74	Maritime container logistics and onshore transportation systems (Part 1). Flexible Services and Manufacturing Journal, 2011, 23, 361-363.	1.9	4
75	GAUGE CAPABILITY ASSESSMENT FOR HIGH-YIELD MANUFACTURING PROCESSES WITH TRUNCATED DISTRIBUTION. Quality Engineering, 2000, 13, 203-210.	0.7	3
76	A study on port design automation concept. , 2008, , .		3
77	IT-based planning and control of seaport container terminals and freight transportation systems. OR Spectrum, 2010, 32, 423-426.	2.1	3
78	Multi-objective compass for discrete optimization via simulation. , 2011, , .		3
79	Some efficient simulation budget allocation rules for simulation optimisation problems. International Journal of Services Operations and Informatics, 2013, 8, 1.	0.2	3
80	Logistics and maritime systems. Flexible Services and Manufacturing Journal, 2015, 27, 135-138.	1.9	3
81	A modularized simulation for traffic network in container terminals via network of servers with dynamic rates. , 2017, , .		3
82	Unifying offline and online simulation for online decision-making. IISE Transactions, 2022, 54, 923-935.	1.6	3
83	A convergent algorithm for ranking and selection with censored observations. IISE Transactions, 2023, 55, 523-535.	1.6	3
84	Efficient computing budget allocation for a single design by using regression with sequential sampling constraint. , 2012, , .		2
85	Single Direction Traffic Rule for GRID System - An Innovative Automated Material Handling System. , 2018, , .		2
86	Optimal Computing Budget Allocation for Binary Classification with Noisy Labels and its Applications on Simulation Analytics. , 2019, , .		2
87	RECENT DEVELOPMENT OF MARITIME LOGISTICS. , 2011, , 49-67.		2
88	Policy evaluation for storage and retrieval of loose cargos in air cargo terminals. International Journal of Industrial and Systems Engineering, 2006, 1, 148.	0.1	1
89	Optimization via gradient oriented polar random search. , 2012, , .		1
90	Maritime container logistics and onshore transportation systems (Part 2). Flexible Services and Manufacturing Journal, 2012, 24, 211-213.	1.9	1

#	ARTICLE	IF	CITATIONS
91	Storage yard management for transshipment ports. , 2013, , .		1
92	Multi-objective multi-fidelity optimization with ordinal transformation and optimal sampling. , 2015, , .		1
93	Combining Adaptive Budget Allocation with Surrogate Methodology in Solving Continuous Scenario-based Simulation Optimization. , 2020, , .		1
94	A Hybrid of Shrinking Ball Method and Optimal Large Deviation Rate Estimation in Continuous Contextual Simulation Optimization with Single Observation. , 2020, , .		1
95	Offline sequential learning via simulation. IIE Transactions, 2022, 54, 1019-1032.	1.6	1
96	Maritime container logistics and onshore transportation systems (part 3). Flexible Services and Manufacturing Journal, 2013, 25, 463-465.	1.9	0
97	Optimal Computing Budget Allocation Framework. , 2013, , 175-202.		0
98	Multi-objective optimal computing budget allocation for multi-objective particle swarm optimisation with particle-dependent weights. International Journal of Simulation and Process Modelling, 2016, 11, 167.	0.1	0
99	Efficient computing budget allocation for optimal subset selection with correlated sampling. , 2017, , .		0
100	Robust facility location with structural complexity and demand uncertainty. Flexible Services and Manufacturing Journal, 2021, 33, 485-507.	1.9	0