# Ek Peng Chew

List of Publications by Year
in descending order

| 100 papers | 2,593 citations | 201575<br>27 h-index | 206029<br>48 g-index |
|---|---|---|---|
| 100 all docs | 100 docs citations | 100 times ranked | 1529 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | A convergent algorithm for ranking and selection with censored observations. IISE Transactions, 2023, 55, 523-535. | 1.6 | 3 |
| 2 | 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 |
| 3 | An approximate dynamic programming approach for <scp>production–delivery</scp> scheduling under non–stationary demand. Naval Research Logistics, 2022, 69, 511-528. | 1.4 | 6 |
| 4 | Offline sequential learning via simulation. IISE Transactions, 2022, 54, 1019-1032. | 1.6 | 1 |
| 5 | Unifying offline and online simulation for online decision-making. IISE Transactions, 2022, 54, 923-935. | 1.6 | 3 |
| 6 | Robust facility location with structural complexity and demand uncertainty. Flexible Services and Manufacturing Journal, 2021, 33, 485-507. | 1.9 | 0 |
| 7 | Analytics with digital-twinning: A decision support system for maintaining a resilient port. Decision Support Systems, 2021, 143, 113496. | 3.5 | 46 |
| 8 | Consistency matters: Revisiting the structural complexity for supply chain networks. Physica A: Statistical Mechanics and Its Applications, 2021, 572, 125862. | 1.2 | 7 |
| 9 | Combining Adaptive Budget Allocation with Surrogate Methodology in Solving Continuous Scenario-based Simulation Optimization. , 2020, , . |  | 1 |
| 10 | A Hybrid of Shrinking Ball Method and Optimal Large Deviation Rate Estimation in Continuous Contextual Simulation Optimization with Single Observation. , 2020, , . |  | 1 |
| 11 | Optimal Computing Budget Allocation for Binary Classification with Noisy Labels and its Applications on Simulation Analytics. , 2019, , . |  | 2 |
| 12 | Optimal Computing Budget Allocation to Select the Nondominated Systems—A Large Deviations Perspective. IEEE Transactions on Automatic Control, 2018, 63, 2913-2927. | 3.6 | 22 |
| 13 | Frame Trolley Dispatching Algorithm for the Frame Bridge Based Automated Container Terminal. Transportation Science, 2018, 52, 722-737. | 2.6 | 13 |
| 14 | Analysis on high throughput layout of container yards. International Journal of Production Research, 2018, 56, 5345-5364. | 4.9 | 16 |
| 15 | Information-Based Allocation Strategy for GRID-Based Transshipment Automated Container Terminal. Transportation Science, 2018, 52, 707-721. | 2.6 | 18 |
| 16 | Single Direction Traffic Rule for GRID System - An Innovative Automated Material Handling System. , 2018, , . |  | 2 |
| 17 | CHALLENGES AND OPPORTUNITIES IN INTEGRATION OF SIMULATION AND OPTIMIZATION IN MARITIME LOGISTICS. , 2018, , . |  | 11 |
| 18 | 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 |

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| 19 | Capacity planning for mega container terminals with multi-objective and multi-fidelity simulation optimization. IISE Transactions, 2017, 49, 849-862. | 1.6 | 29 |
| 20 | Daily berth planning in a tidal port with channel flow control. Transportation Research Part B: Methodological, 2017, 106, 193-217. | 2.8 | 107 |
| 21 | Enhancement of supply chain resilience through inter-echelon information sharing. Flexible Services and Manufacturing Journal, 2017, 29, 260-285. | 1.9 | 37 |
| 22 | Optimal Computing Budget Allocation for Particle Swarm Optimization in Stochastic Optimization. IEEE Transactions on Evolutionary Computation, 2017, 21, 206-219. | 7.5 | 46 |
| 23 | A modularized simulation for traffic network in container terminals via network of servers with dynamic rates. , 2017, , . | | 3 |
| 24 | A hierarchical modeling paradigm for multi-fidelity simulation of mega container terminals. , 2017, , . | | 6 |
| 25 | Efficient computing budget allocation for optimal subset selection with correlated sampling. , 2017, , . | | 0 |
| 26 | 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 |
| 27 | 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 |
| 28 | An introduction and performance evaluation of the GRID system for transshipment terminals. Simulation, 2016, 92, 277-293. | 1.1 | 15 |
| 29 | 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 |
| 30 | A Simulation Budget Allocation Procedure for Enhancing the Efficiency of Optimal Subset Selection. IEEE Transactions on Automatic Control, 2016, 61, 62-75. | 3.6 | 55 |
| 31 | Multi-objective multi-fidelity optimization with ordinal transformation and optimal sampling. , 2015, , . | | 1 |
| 32 | A study on crate sizing problems. International Journal of Production Research, 2015, 53, 3341-3353. | 4.9 | 5 |
| 33 | MO-COMPASS: a fast convergent search algorithm for multi-objective discrete optimization via simulation. IIE Transactions, 2015, 47, 1153-1169. | 2.1 | 28 |
| 34 | Sample average approximation under non-i.i.d. sampling for stochastic empty container repositioning problem. OR Spectrum, 2015, 37, 389-405. | 2.1 | 9 |
| 35 | Mixed bundle retailing under a stochastic market. Flexible Services and Manufacturing Journal, 2015, 27, 606-629. | 1.9 | 6 |
| 36 | <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si26.gif" overflow="scroll"><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mi>s</mml:mi><mml:mtext>,</mml:mtext><mml:mi>S</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Ove sailing speed optimization problem. Transportation Research, Part E: Logistics and Transportation Review, 2015, 76, 76-92. | 3.7 | 23 |

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| 37 | Logistics and maritime systems. Flexible Services and Manufacturing Journal, 2015, 27, 135-138. | 1.9 | 3 |
| 38 | Port connectivity study: An analysis framework from a global container liner shipping network perspective. Transportation Research, Part E: Logistics and Transportation Review, 2015, 73, 47-64. | 3.7 | 75 |
| 39 | Innovative Container Terminals to Improve Global Container Transport Chains. Profiles in Operations Research, 2015, , 3-41. | 0.3 | 6 |
| 40 | A simulation study for next generation transshipment port. , 2014, , . | | 5 |
| 41 | A study on multi-objective particle swarm optimization with weighted scalarizing functions. , 2014, , . | | 6 |
| 42 | 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 |
| 43 | Analysis on container port capacity: a Markovian modeling approach. OR Spectrum, 2014, 36, 425-454. | 2.1 | 20 |
| 44 | 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 |
| 45 | Optimal dynamic pricing and ordering decisions for perishable products. International Journal of Production Economics, 2014, 157, 39-48. | 5.1 | 54 |
| 46 | Short-term space allocation for storage yard management in a transshipment hub port. OR Spectrum, 2014, 36, 879-901. | 2.1 | 20 |
| 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 | Flexible space-sharing strategy for storage yard management in a transshipment hub port. OR Spectrum, 2013, 35, 417-439. | 2.1 | 38 |
| 49 | Maritime container logistics and onshore transportation systems (part 3). Flexible Services and Manufacturing Journal, 2013, 25, 463-465. | 1.9 | 0 |
| 50 | Storage yard management for transshipment ports. , 2013, , . | | 1 |
| 51 | Dual-channel component replenishment problem in an assemble-to-order system. IIE Transactions, 2013, 45, 229-243. | 2.1 | 9 |
| 52 | Container transshipment and port competition. Maritime Policy and Management, 2013, 40, 479-494. | 1.9 | 66 |
| 53 | Dynamic rationing and ordering policies for multiple demand classes. OR Spectrum, 2013, 35, 127-151. | 2.1 | 17 |
| 54 | The impact of supply chain visibility when lead time is random. OR Spectrum, 2013, 35, 163-190. | 2.1 | 10 |

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| 55 | Performance Analysis on Transfer Platforms in Frame Bridge Based Automated Container Terminals. Mathematical Problems in Engineering, 2013, 2013, 1-8. | 0.6 | 8 |
| 56 | Design and evaluation of mega container terminal configurations: An integrated simulation framework. Simulation, 2013, 89, 684-692. | 1.1 | 24 |
| 57 | Advances in simulation optimization and its applications. IIE Transactions, 2013, 45, 683-684. | 2.1 | 18 |
| 58 | Optimal Computing Budget Allocation Framework. , 2013, , 175-202. | | 0 |
| 59 | Some efficient simulation budget allocation rules for simulation optimisation problems. International Journal of Services Operations and Informatics, 2013, 8, 1. | 0.2 | 3 |
| 60 | A Review on Yard Management in Container Terminals. Industrial Engineering and Management Systems, 2013, 12, 289-304. | 0.3 | 28 |
| 61 | Optimization via gradient oriented polar random search. , 2012, , . | | 1 |
| 62 | Efficient computing budget allocation for a single design by using regression with sequential sampling constraint. , 2012, , . | | 2 |
| 63 | DEA based on strongly efficient and inefficient frontiers and its application on port efficiency measurement. OR Spectrum, 2012, 34, 943-969. | 2.1 | 15 |
| 64 | An improved simulation budget allocation procedure to efficiently select the optimal subset of many alternatives. , 2012, , . | | 8 |
| 65 | 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 |
| 66 | A novel approach to yard planning under vessel arrival uncertainty. Flexible Services and Manufacturing Journal, 2012, 24, 274-293. | 1.9 | 20 |
| 67 | Maritime container logistics and onshore transportation systems (Part 2). Flexible Services and Manufacturing Journal, 2012, 24, 211-213. | 1.9 | 1 |
| 68 | Integrated inventory and transportation decision for ubiquitous supply chain management. Journal of Intelligent Manufacturing, 2012, 23, 977-988. | 4.4 | 11 |
| 69 | MicroPort: A general simulation platform for seaport container terminals. Advanced Engineering Informatics, 2012, 26, 80-89. | 4.0 | 52 |
| 70 | A container yard storage strategy for improving land utilization and operation efficiency in a transshipment hub port. European Journal of Operational Research, 2012, 221, 64-73. | 3.5 | 83 |
| 71 | The sample average approximation method for empty container repositioning with uncertainties. European Journal of Operational Research, 2012, 222, 65-75. | 3.5 | 79 |
| 72 | An Integrated Model for Berth Template and Yard Template Planning in Transshipment Hubs. Transportation Science, 2011, 45, 483-504. | 2.6 | 183 |

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| 73 | Maritime container logistics and onshore transportation systems (Part 1). Flexible Services and Manufacturing Journal, 2011, 23, 361-363. | 1.9 | 4 |
| 74 | A decision model for berth allocation under uncertainty. European Journal of Operational Research, 2011, 212, 54-68. | 3.5 | 147 |
| 75 | Multi-objective compass for discrete optimization via simulation. , 2011, , . | | 3 |
| 76 | A Simulation Optimisation Framework for Container Terminal Layout Design. , 2011, , 385-400. | | 5 |
| 77 | RECENT DEVELOPMENT OF MARITIME LOGISTICS. , 2011, , 49-67. | | 2 |
| 78 | Vehicle dispatching algorithms for container transshipment hubs. OR Spectrum, 2010, 32, 663-685. | 2.1 | 46 |
| 79 | 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 |
| 80 | IT-based planning and control of seaport container terminals and freight transportation systems. OR Spectrum, 2010, 32, 423-426. | 2.1 | 3 |
| 81 | Computing budget allocation rules for multi-objective simulation models based on different measures of selection quality. Automatica, 2010, 46, 1935-1950. | 3.0 | 15 |
| 82 | Integration of indifference-zone with multi-objective computing budget allocation. European Journal of Operational Research, 2010, 203, 419-429. | 3.5 | 31 |
| 83 | Finding the non-dominated Pareto set for multi-objective simulation models. IIE Transactions, 2010, 42, 656-674. | 2.1 | 113 |
| 84 | Joint inventory allocation and pricing decisions for perishable products. International Journal of Production Economics, 2009, 120, 139-150. | 5.1 | 88 |
| 85 | A yard storage strategy for minimizing traffic congestion in a marine container transshipment hub. OR Spectrum, 2008, 30, 697-720. | 2.1 | 107 |
| 86 | Multi-objective simulation-based evolutionary algorithm for an aircraft spare parts allocation problem. European Journal of Operational Research, 2008, 189, 476-491. | 3.5 | 97 |
| 87 | A study on port design automation concept. , 2008, , . | | 3 |
| 88 | Finding the pareto set for multi-objective simulation models by minimization of expected opportunity cost. , 2007, , . | | 10 |
| 89 | Multi-objective ordinal optimization for simulation optimization problems. Automatica, 2007, 43, 1884-1895. | 3.0 | 27 |
| 90 | Integration of Statistical Selection with Search Mechanism for Solving Multi-Objective Simulation-Optimization Problems. , 2006, , . | | 5 |

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| 91 | 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 |
| 92 | An optimization model for storage yard management in transshipment hubs. OR Spectrum, 2006, 28, 539-561. | 2.1 | 140 |
| 93 | Multicommodity network flow model for Asia's container ports. Maritime Policy and Management, 2006, 33, 387-402. | 1.9 | 27 |
| 94 | Design sampling and replication assignment under fixed computing budget. Journal of Systems Science and Systems Engineering, 2005, 14, 289-307. | 0.8 | 5 |
| 95 | GAUGE CAPABILITY ASSESSMENT FOR HIGH-YIELD MANUFACTURING PROCESSES WITH TRUNCATED DISTRIBUTION. Quality Engineering, 2000, 13, 203-210. | 0.7 | 3 |
| 96 | Travel time analysis for general item location assignment in a rectangular warehouse. European Journal of Operational Research, 1999, 112, 582-597. | 3.5 | 122 |
| 97 | Discrete event simulation model for airline operations: SIMAIR. , 0, , . | | 8 |
| 98 | A simulation study on sampling and selecting under fixed computing budget. , 0, , . | | 7 |
| 99 | Application of Multi-objective Simulation-optimization Techniques to Inventory Management Problems. , 0, , . | | 4 |
| 100 | Classification and literature review on the integration of simulation and optimization in maritime logistics studies. IISE Transactions, 0, , 1-39. | 1.6 | 10 |