

Shuai-An Wang

List of Publications by Year in descending order

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Version: 2024-02-01

202
papers

7,855
citations

50276

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71685

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all docs

205
docs citations

205
times ranked

2971
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Sailing speed optimization for container ships in a liner shipping network. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2012, 48, 701-714. | 7.4 | 364 |
| 2 | Containership Routing and Scheduling in Liner Shipping: Overview and Future Research Directions. <i>Transportation Science</i> , 2014, 48, 265-280. | 4.4 | 353 |
| 3 | How big data enriches maritime research – a critical review of Automatic Identification System (AIS) data applications. <i>Transport Reviews</i> , 2019, 39, 755-773. | 8.8 | 206 |
| 4 | Liner ship route schedule design with sea contingency time and port time uncertainty. <i>Transportation Research Part B: Methodological</i> , 2012, 46, 615-633. | 5.9 | 185 |
| 5 | Liner shipping service network design with empty container repositioning. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2011, 47, 695-708. | 7.4 | 184 |
| 6 | Integrated internal truck, yard crane and quay crane scheduling in a container terminal considering energy consumption. <i>Expert Systems With Applications</i> , 2015, 42, 2464-2487. | 7.6 | 160 |
| 7 | On the fundamental diagram for freeway traffic: A novel calibration approach for single-regime models. <i>Transportation Research Part B: Methodological</i> , 2015, 73, 91-102. | 5.9 | 157 |
| 8 | Global optimization methods for the discrete network design problem. <i>Transportation Research Part B: Methodological</i> , 2013, 50, 42-60. | 5.9 | 155 |
| 9 | On the stochastic fundamental diagram for freeway traffic: Model development, analytical properties, validation, and extensive applications. <i>Transportation Research Part B: Methodological</i> , 2017, 104, 256-271. | 5.9 | 131 |
| 10 | Robust schedule design for liner shipping services. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2012, 48, 1093-1106. | 7.4 | 126 |
| 11 | Short-term liner ship fleet planning with container transshipment and uncertain container shipment demand. <i>European Journal of Operational Research</i> , 2012, 223, 96-105. | 5.7 | 122 |
| 12 | Bunker consumption optimization methods in shipping: A critical review and extensions. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2013, 53, 49-62. | 7.4 | 120 |
| 13 | A tree-structured crash surrogate measure for freeways. <i>Accident Analysis and Prevention</i> , 2015, 77, 137-148. | 5.7 | 119 |
| 14 | A two-phase optimization model for the demand-responsive customized bus network design. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 111, 1-21. | 7.6 | 116 |
| 15 | Liner ship fleet deployment with container transshipment operations. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2012, 48, 470-484. | 7.4 | 114 |
| 16 | Robust optimization model of schedule design for a fixed bus route. <i>Transportation Research Part C: Emerging Technologies</i> , 2012, 25, 113-121. | 7.6 | 104 |
| 17 | Speed-based toll design for cordon-based congestion pricing scheme. <i>Transportation Research Part C: Emerging Technologies</i> , 2013, 31, 83-98. | 7.6 | 104 |
| 18 | Two-phase optimal solutions for ship speed and trim optimization over a voyage using voyage report data. <i>Transportation Research Part B: Methodological</i> , 2019, 122, 88-114. | 5.9 | 104 |

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|----|--|-----|-----------|
| 19 | Optimal distance tolls under congestion pricing and continuously distributed value of time. Transportation Research, Part E: Logistics and Transportation Review, 2012, 48, 937-957. | 7.4 | 98 |
| 20 | Mitigate the range anxiety: Siting battery charging stations for electric vehicle drivers. Transportation Research Part C: Emerging Technologies, 2020, 114, 164-188. | 7.6 | 94 |
| 21 | Optimal operating strategy for a long-haul liner service route. European Journal of Operational Research, 2011, 215, 105-114. | 5.7 | 92 |
| 22 | Optimal electric bus fleet scheduling considering battery degradation and non-linear charging profile. Transportation Research, Part E: Logistics and Transportation Review, 2021, 154, 102445. | 7.4 | 90 |
| 23 | Optimal joint distance and time toll for cordon-based congestion pricing. Transportation Research Part B: Methodological, 2014, 69, 81-97. | 5.9 | 81 |
| 24 | Green technology adoption for fleet deployment in a shipping network. Transportation Research Part B: Methodological, 2020, 139, 388-410. | 5.9 | 80 |
| 25 | Development of a two-stage ship fuel consumption prediction and reduction model for a dry bulk ship. Transportation Research, Part E: Logistics and Transportation Review, 2020, 138, 101930. | 7.4 | 79 |
| 26 | Liner ship route schedule design with port time windows. Transportation Research Part C: Emerging Technologies, 2014, 41, 1-17. | 7.6 | 77 |
| 27 | Robust optimization of distance-based tolls in a network considering stochastic day to day dynamics. Transportation Research Part C: Emerging Technologies, 2017, 79, 58-72. | 7.6 | 76 |
| 28 | On service network improvement for shipping lines under the one belt one road initiative of China. Transportation Research, Part E: Logistics and Transportation Review, 2018, 117, 82-95. | 7.4 | 75 |
| 29 | Column Generation for the Integrated Berth Allocation, Quay Crane Assignment, and Yard Assignment Problem. Transportation Science, 2018, 52, 812-834. | 4.4 | 75 |
| 30 | Container liner fleet deployment: A systematic overview. Transportation Research Part C: Emerging Technologies, 2017, 77, 389-404. | 7.6 | 73 |
| 31 | Development of a non-parametric classifier: Effective identification, algorithm, and applications in port state control for maritime transportation. Transportation Research Part B: Methodological, 2019, 128, 129-157. | 5.9 | 73 |
| 32 | Route and speed optimization for liner ships under emission control policies. Transportation Research Part C: Emerging Technologies, 2020, 110, 330-345. | 7.6 | 73 |
| 33 | Global intermodal liner shipping network design. Transportation Research, Part E: Logistics and Transportation Review, 2014, 61, 28-39. | 7.4 | 68 |
| 34 | Liner shipping network design with deadlines. Computers and Operations Research, 2014, 41, 140-149. | 4.0 | 63 |
| 35 | Schedule Design and Container Routing in Liner Shipping. Transportation Research Record, 2011, 2222, 25-33. | 1.9 | 62 |
| 36 | Liner ship fleet deployment with week-dependent container shipment demand. European Journal of Operational Research, 2012, 222, 241-252. | 5.7 | 62 |

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|----|--|------|-----------|
| 37 | Container routing in liner shipping. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2013, 49, 1-7. | 7.4 | 59 |
| 38 | Robust bunker management for liner shipping networks. <i>European Journal of Operational Research</i> , 2015, 243, 789-797. | 5.7 | 57 |
| 39 | A tailored branch-and-price approach for a joint tramp ship routing and bunkering problem. <i>Transportation Research Part B: Methodological</i> , 2015, 72, 1-19. | 5.9 | 57 |
| 40 | Paradox of international maritime organization's carbon intensity indicator. <i>Communications in Transportation Research</i> , 2021, 1, 100005. | 10.7 | 57 |
| 41 | Profit-based maritime container assignment models for liner shipping networks. <i>Transportation Research Part B: Methodological</i> , 2015, 72, 59-76. | 5.9 | 55 |
| 42 | Tug scheduling for hinterland barge transport: A branch-and-price approach. <i>European Journal of Operational Research</i> , 2018, 265, 119-132. | 5.7 | 52 |
| 43 | A joint liner ship path, speed and deployment problem under emission reduction measures. <i>Transportation Research Part B: Methodological</i> , 2021, 144, 155-173. | 5.9 | 51 |
| 44 | Data analytics for fuel consumption management in maritime transportation: Status and perspectives. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021, 155, 102489. | 7.4 | 51 |
| 45 | Containership scheduling with transit-time-sensitive container shipment demand. <i>Transportation Research Part B: Methodological</i> , 2013, 54, 68-83. | 5.9 | 50 |
| 46 | Drone scheduling to monitor vessels in emission control areas. <i>Transportation Research Part B: Methodological</i> , 2019, 119, 174-196. | 5.9 | 50 |
| 47 | Scheduling quay cranes and yard trucks for unloading operations in container ports. <i>Annals of Operations Research</i> , 2019, 273, 455-478. | 4.1 | 50 |
| 48 | The shore power deployment problem for maritime transportation. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020, 135, 101883. | 7.4 | 50 |
| 49 | Emerging approaches applied to maritime transport research: Past and future. <i>Communications in Transportation Research</i> , 2021, 1, 100011. | 10.7 | 50 |
| 50 | Willingness to board: A novel concept for modeling queuing up passengers. <i>Transportation Research Part B: Methodological</i> , 2016, 90, 70-82. | 5.9 | 49 |
| 51 | A note on "Berth allocation considering fuel consumption and vessel emissions". <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2013, 49, 48-54. | 7.4 | 47 |
| 52 | Fleet deployment and demand fulfillment for container shipping liners. <i>Transportation Research Part B: Methodological</i> , 2019, 120, 15-32. | 5.9 | 47 |
| 53 | A static bike repositioning model in a hub-and-spoke network framework. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020, 141, 102031. | 7.4 | 47 |
| 54 | A systematic review of prediction methods for emergency management. <i>International Journal of Disaster Risk Reduction</i> , 2021, 62, 102412. | 3.9 | 46 |

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| 55 | Schedule design for sustainable container supply chain networks with port time windows. Advanced Engineering Informatics, 2015, 29, 322-331. | 8.0 | 45 |
| 56 | Operation management of green ports and shipping networks: overview and research opportunities. Frontiers of Engineering Management, 2019, 6, 152-162. | 6.1 | 45 |
| 57 | A semi-“smart predict then optimize”(semi-SPO) method for efficient ship inspection. Transportation Research Part B: Methodological, 2020, 142, 100-125. | 5.9 | 45 |
| 58 | Unmanned aerial vehicle scheduling problem for traffic monitoring. Computers and Industrial Engineering, 2018, 122, 15-23. | 6.3 | 44 |
| 59 | Essential elements in tactical planning models for container liner shipping. Transportation Research Part B: Methodological, 2013, 54, 84-99. | 5.9 | 43 |
| 60 | Mathematical programming models for construction site layout problems. Automation in Construction, 2018, 85, 241-248. | 9.8 | 43 |
| 61 | Efficiency and equity of speed limits in transportation networks. Transportation Research Part C: Emerging Technologies, 2013, 32, 61-75. | 7.6 | 42 |
| 62 | Surrogate-based simulation optimization approach for day-to-day dynamics model calibration with real data. Transportation Research Part C: Emerging Technologies, 2019, 105, 422-438. | 7.6 | 42 |
| 63 | Risk management in liner ship fleet deployment: A joint chance constrained programming model. Transportation Research, Part E: Logistics and Transportation Review, 2013, 60, 1-12. | 7.4 | 39 |
| 64 | Continuum approximation modeling of transit network design considering local route service and short-turn strategy. Transportation Research, Part E: Logistics and Transportation Review, 2018, 119, 165-188. | 7.4 | 38 |
| 65 | Models on ship scheduling in transshipment hubs with considering bunker cost. International Journal of Production Economics, 2016, 173, 111-121. | 8.9 | 37 |
| 66 | A note on liner ship fleet deployment. Flexible Services and Manufacturing Journal, 2011, 23, 422-430. | 3.4 | 36 |
| 67 | Ship type decision considering empty container repositioning and foldable containers. Transportation Research, Part E: Logistics and Transportation Review, 2017, 108, 97-121. | 7.4 | 36 |
| 68 | Liner Shipping Service Planning Under Sulfur Emission Regulations. Transportation Science, 2021, 55, 491-509. | 4.4 | 36 |
| 69 | Shipping Domain Knowledge Informed Prediction and Optimization in Port State Control. Transportation Research Part B: Methodological, 2021, 149, 52-78. | 5.9 | 36 |
| 70 | Bi-level optimization model applications in managing air emissions from ships: A review. Communications in Transportation Research, 2021, 1, 100020. | 10.7 | 36 |
| 71 | Reversing port rotation directions in a container liner shipping network. Transportation Research Part B: Methodological, 2013, 50, 61-73. | 5.9 | 35 |
| 72 | Liner container assignment model with transit-time-sensitive container shipment demand and its applications. Transportation Research Part B: Methodological, 2016, 90, 135-155. | 5.9 | 35 |

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| 73 | Trial-and-error train fare design scheme for addressing boarding/alighting congestion at CBD stations. <i>Transportation Research Part B: Methodological</i> , 2018, 118, 318-335. | 5.9 | 35 |
| 74 | Terminal allocation problem in a transshipment hub considering bunker consumption. <i>Naval Research Logistics</i> , 2016, 63, 529-548. | 2.2 | 34 |
| 75 | Fundamental properties and pseudo-polynomial-time algorithm for network containership sailing speed optimization. <i>European Journal of Operational Research</i> , 2016, 250, 46-55. | 5.7 | 34 |
| 76 | An Artificial Intelligence Model Considering Data Imbalance for Ship Selection in Port State Control Based on Detention Probabilities. <i>Journal of Computational Science</i> , 2021, 48, 101257. | 2.9 | 34 |
| 77 | Integrated berth and yard space allocation under uncertainty. <i>Transportation Research Part B: Methodological</i> , 2022, 162, 1-27. | 5.9 | 34 |
| 78 | Station choice for Australian commuter rail lines: Equilibrium and optimal fare design. <i>European Journal of Operational Research</i> , 2017, 258, 144-154. | 5.7 | 32 |
| 79 | Implications of the EU's Inclusion of Maritime Transport in the Emissions Trading System for Shipping Companies. <i>Engineering</i> , 2021, 7, 554-557. | 6.7 | 32 |
| 80 | Deploying, scheduling, and sequencing heterogeneous vessels in a liner container shipping route. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021, 151, 102365. | 7.4 | 32 |
| 81 | Multi-period liner ship fleet planning with dependent uncertain container shipment demand. <i>Maritime Policy and Management</i> , 2015, 42, 43-67. | 3.8 | 30 |
| 82 | Segment-based alteration for container liner shipping network design. <i>Transportation Research Part B: Methodological</i> , 2015, 72, 128-145. | 5.9 | 30 |
| 83 | Model on empirically calibrating stochastic traffic flow fundamental diagram. <i>Communications in Transportation Research</i> , 2021, 1, 100015. | 10.7 | 30 |
| 84 | Integrating prediction with optimization: Models and applications in transportation management. , 2022, 1, 100018. | | 30 |
| 85 | Liner ship route capacity utilization estimation with a bounded polyhedral container shipment demand pattern. <i>Transportation Research Part B: Methodological</i> , 2013, 47, 57-76. | 5.9 | 29 |
| 86 | Cruise shipping review: operations planning and research opportunities. <i>Maritime Business Review</i> , 2016, 1, 133-148. | 1.8 | 29 |
| 87 | A polynomial-time algorithm for sailing speed optimization with containership resource sharing. <i>Transportation Research Part B: Methodological</i> , 2016, 93, 394-405. | 5.9 | 29 |
| 88 | Asymmetric stochastic user equilibrium problem with elastic demand and link capacity constraints. <i>Transportmetrica A: Transport Science</i> , 2014, 10, 304-326. | 2.0 | 28 |
| 89 | Toll pricing framework under logit-based stochastic user equilibrium constraints. <i>Journal of Advanced Transportation</i> , 2014, 48, 1121-1137. | 1.7 | 28 |
| 90 | Collaborative mechanisms for berth allocation. <i>Advanced Engineering Informatics</i> , 2015, 29, 332-338. | 8.0 | 28 |

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|-----|---|-----|-----------|
| 91 | Optimal transportation planning for prefabricated products in construction. Computer-Aided Civil and Infrastructure Engineering, 2020, 35, 342-353. | 9.8 | 28 |
| 92 | Network Design for Shipping Service of Large-Scale Intermodal Liners. Transportation Research Record, 2012, 2269, 42-50. | 1.9 | 26 |
| 93 | A novel hybrid-link-based container routing model. Transportation Research, Part E: Logistics and Transportation Review, 2014, 61, 165-175. | 7.4 | 26 |
| 94 | Simultaneous optimization of schedule coordination and cargo allocation for liner container shipping networks. Transportation Research, Part E: Logistics and Transportation Review, 2014, 70, 261-273. | 7.4 | 26 |
| 95 | Integrated planning of ship deployment, service schedule and container routing. Computers and Operations Research, 2019, 104, 304-318. | 4.0 | 26 |
| 96 | Fundamental properties of volume–capacity ratio of a private toll road in general networks. Transportation Research Part B: Methodological, 2013, 47, 77-86. | 5.9 | 25 |
| 97 | Estimation of Entry Capacity for Single-Lane Modern Roundabouts: Case Study in Queensland, Australia. Journal of Transportation Engineering, 2014, 140, . | 0.9 | 24 |
| 98 | Variational inequality model for cordon-based congestion pricing under side constrained stochastic user equilibrium conditions. Transportmetrica A: Transport Science, 2014, 10, 693-704. | 2.0 | 24 |
| 99 | Exact and heuristic methods to solve the parallel machine scheduling problem with multi-processor tasks. International Journal of Production Economics, 2018, 201, 26-40. | 8.9 | 24 |
| 100 | Capacitated closed-loop supply chain network design under uncertainty. Advanced Engineering Informatics, 2018, 38, 306-315. | 8.0 | 24 |
| 101 | Optimal subsidy scheme design for promoting intermodal freight transport. Transportation Research, Part E: Logistics and Transportation Review, 2022, 157, 102561. | 7.4 | 24 |
| 102 | Itinerary provision and pricing in container liner shipping revenue management. Transportation Research, Part E: Logistics and Transportation Review, 2015, 77, 135-146. | 7.4 | 23 |
| 103 | Reproducible generation of experimental data sample for calibrating traffic flow fundamental diagram. Transportation Research, Part A: Policy and Practice, 2018, 111, 41-52. | 4.2 | 23 |
| 104 | Ship routing and scheduling problem for steel plants cluster alongside the Yangtze River. Transportation Research, Part E: Logistics and Transportation Review, 2019, 122, 198-210. | 7.4 | 23 |
| 105 | Blockchain Applications in Shipping, Transportation, Logistics, and Supply Chain. Smart Innovation, Systems and Technologies, 2019, , 225-231. | 0.6 | 23 |
| 106 | Pilotage planning in seaports. European Journal of Operational Research, 2020, 287, 90-105. | 5.7 | 23 |
| 107 | Crowdsourcing mode evaluation for parcel delivery service platforms. International Journal of Production Economics, 2021, 235, 108067. | 8.9 | 22 |
| 108 | Optimal sequence of container ships in a string. European Journal of Operational Research, 2015, 246, 850-857. | 5.7 | 21 |

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|-----|---|-----|-----------|
| 109 | Dynamic programming for optimal ship refueling decision. Transportation Research, Part E: Logistics and Transportation Review, 2017, 100, 63-74. | 7.4 | 21 |
| 110 | Cruise service planning considering berth availability and decreasing marginal profit. Transportation Research Part B: Methodological, 2017, 95, 1-18. | 5.9 | 21 |
| 111 | Dynamic programming algorithms for selection of waste disposal ports in cruise shipping. Transportation Research Part B: Methodological, 2018, 108, 235-248. | 5.9 | 21 |
| 112 | Mixed-integer second-order cone programming model for bus route clustering problem. Transportation Research Part C: Emerging Technologies, 2019, 102, 351-369. | 7.6 | 21 |
| 113 | Subsidy design in a vessel speed reduction incentive program under government policies. Naval Research Logistics, 2021, 68, 344-358. | 2.2 | 21 |
| 114 | Mixed-integer Linear Programming on Work-Rest Schedule Design for Construction Sites in Hot Weather. Computer-Aided Civil and Infrastructure Engineering, 2017, 32, 429-439. | 9.8 | 20 |
| 115 | A Lagrangian relaxation approach for the electric bus charging scheduling optimisation problem. Transportmetrica A: Transport Science, 2023, 19, . | 2.0 | 20 |
| 116 | Design of suburban bus route for airport access. Transportmetrica A: Transport Science, 2017, 13, 568-589. | 2.0 | 19 |
| 117 | Clustered coverage orienteering problem of unmanned surface vehicles for water sampling. Naval Research Logistics, 2020, 67, 353-367. | 2.2 | 19 |
| 118 | Vessel Service Planning in Seaports. Operations Research, 2022, 70, 2032-2053. | 1.9 | 19 |
| 119 | Analysis of the development potential of bulk shipping network on the Yangtze River. Maritime Policy and Management, 2017, 44, 512-523. | 3.8 | 18 |
| 120 | Shore power management for maritime transportation: Status and perspectives. Maritime Transport Research, 2020, 1, 100004. | 3.2 | 18 |
| 121 | The Robust Bulk Ship Routing Problem with Batched Cargo Selection. Transportation Research Part B: Methodological, 2021, 143, 124-159. | 5.9 | 18 |
| 122 | Ship selection in port state control: status and perspectives. Maritime Policy and Management, 2022, 49, 600-615. | 3.8 | 18 |
| 123 | Can we trust the AIS destination port information for bulk ships?â€œImplications for shipping policy and practice. Transportation Research, Part E: Logistics and Transportation Review, 2021, 149, 102308. | 7.4 | 18 |
| 124 | A two-stage stochastic nonlinear integer-programming model for slot allocation of a liner container shipping service. Transportation Research Part B: Methodological, 2021, 150, 143-160. | 5.9 | 18 |
| 125 | Formulating cargo inventory costs for liner shipping network design. Maritime Policy and Management, 2017, 44, 62-80. | 3.8 | 17 |
| 126 | Longâ€œDistanceâ€œCommuter (LDC) Lane: A New Concept for Freeway Traffic Management. Computer-Aided Civil and Infrastructure Engineering, 2015, 30, 815-823. | 9.8 | 15 |

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| 127 | Mathematically calculating the transit time of cargo through a liner shipping network with various trans-shipment policies. Maritime Policy and Management, 2017, 44, 248-270. | 3.8 | 15 |
| 128 | Quay crane scheduling problem with considering tidal impact and fuel consumption. Flexible Services and Manufacturing Journal, 2017, 29, 345-368. | 3.4 | 15 |
| 129 | Robust Optimization Model for Liner Ship Fleet Planning with Container Transshipment and Uncertain Demand. Transportation Research Record, 2012, 2273, 18-28. | 1.9 | 14 |
| 130 | Estimation of the perceived value of transit time for containerized cargoes. Transportation Research, Part A: Policy and Practice, 2015, 78, 298-308. | 4.2 | 14 |
| 131 | Rural bus route design problem: Model development and case studies. KSCE Journal of Civil Engineering, 2015, 19, 1892-1896. | 1.9 | 14 |
| 132 | Carrying capacity procurement of rail and shipping services for automobile delivery with uncertain demand. Transportation Research, Part E: Logistics and Transportation Review, 2015, 82, 38-54. | 7.4 | 14 |
| 133 | A joint optimization model for liner container cargo assignment problem using state-augmented shipping network framework. Transportation Research Part C: Emerging Technologies, 2016, 68, 425-446. | 7.6 | 14 |
| 134 | Canal effects on a liner hub location problem. Transportation Research, Part E: Logistics and Transportation Review, 2019, 130, 230-247. | 7.4 | 14 |
| 135 | Schedule design for liner services under vessel speed reduction incentive programs. Naval Research Logistics, 2020, 67, 45-62. | 2.2 | 14 |
| 136 | Branch-price-and-cut for trucks and drones cooperative delivery. IIE Transactions, 2023, 55, 271-287. | 2.4 | 14 |
| 137 | Network-level Optimization of Bus Stop Placement in Urban Areas. KSCE Journal of Civil Engineering, 2018, 22, 1446-1453. | 1.9 | 13 |
| 138 | Multi-Objective Mathematical Programming Approach to Construction Laborer Assignment with Equity Consideration. Computer-Aided Civil and Infrastructure Engineering, 2016, 31, 954-965. | 9.8 | 12 |
| 139 | Three potential benefits of the EU and IMO's landmark efforts to monitor carbon dioxide emissions from shipping. Frontiers of Engineering Management, 2021, 8, 310-311. | 6.1 | 12 |
| 140 | Optimal subsidy design for shore power usage in ship berthing operations. Naval Research Logistics, 2022, 69, 566-580. | 2.2 | 12 |
| 141 | Gaussian Process Regression for Transportation System Estimation and Prediction Problems: The Deformation and a Hat Kernel. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 22331-22342. | 8.0 | 12 |
| 142 | Propagation and dissipation of crash risk on saturated freeways. Transportmetrica B, 2014, 2, 203-214. | 2.3 | 11 |
| 143 | Cruise itinerary schedule design. IIE Transactions, 2017, 49, 622-641. | 2.4 | 11 |
| 144 | Weekly container delivery patterns in liner shipping planning models. Maritime Policy and Management, 2017, 44, 442-457. | 3.8 | 11 |

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| 145 | Optimal Container Routing in Liner Shipping Networks Considering Repacking 20â€™ Containers into 40â€™ Containers. Journal of Advanced Transportation, 2017, 2017, 1-9. | 1.7 | 11 |
| 146 | Model and analysis of the effect of Chinaâ€™s potential domestic emission control area with 0.1% sulphur limit. Maritime Business Review, 2019, 4, 298-309. | 1.8 | 11 |
| 147 | Literature Review of Analytical Models on Emergency Vehicle Service: Location, Dispatching, Routing and Preemption Control. , 2019, , . | | 11 |
| 148 | Data-Driven Intelligent Port Management Based on Blockchain. Asia-Pacific Journal of Operational Research, 2021, 38, 2040017. | 1.3 | 11 |
| 149 | Unmanned aerial vehicle based low carbon monitoring planning. Advanced Engineering Informatics, 2021, 48, 101277. | 8.0 | 11 |
| 150 | Development of Two Highly-Efficient and Innovative Inspection Schemes for PSC Inspection. Asia-Pacific Journal of Operational Research, 2021, 38, 2040013. | 1.3 | 11 |
| 151 | Is port state control influenced by the COVID-19? Evidence from inspection data. Transport Policy, 2022, 123, 82-103. | 6.6 | 11 |
| 152 | Bulk ship scheduling in industrial shipping with stochastic backhaul canvassing demand. Transportation Research Part B: Methodological, 2018, 117, 117-136. | 5.9 | 10 |
| 153 | Intermodal Container Flow Simulation Model and Its Applications. Transportation Research Record, 2011, 2224, 35-41. | 1.9 | 10 |
| 154 | Minimax Regret Model for Liner Shipping Fleet Deployment with Uncertain Demand. Transportation Research Record, 2016, 2549, 45-53. | 1.9 | 9 |
| 155 | A fleet deployment model to minimise the covering time of maritime rescue missions. Maritime Policy and Management, 2023, 50, 724-749. | 3.8 | 9 |
| 156 | Modelling follow up time at a single-lane roundabout. Journal of Traffic and Transportation Engineering (English Edition), 2014, 1, 97-102. | 4.2 | 8 |
| 157 | Optimal reefer slot conversion for container freight transportation. Maritime Policy and Management, 2017, 44, 727-743. | 3.8 | 8 |
| 158 | Network-based optimization modeling of manhole setting for pipeline transportation. Transportation Research, Part E: Logistics and Transportation Review, 2018, 113, 38-55. | 7.4 | 8 |
| 159 | Practical taxi sharing schemes at large transport terminals. Transportmetrica B, 2019, 7, 596-616. | 2.3 | 8 |
| 160 | Analysis and prediction of ship energy efficiency based on the MRV system. Maritime Policy and Management, 2023, 50, 117-139. | 3.8 | 8 |
| 161 | Routing Optimization with Generalized Consistency Requirements. Transportation Science, 2022, 56, 223-244. | 4.4 | 8 |
| 162 | On the Uniqueness of User Equilibrium Flow with Speed Limit. Networks and Spatial Economics, 2017, 17, 763-775. | 1.6 | 7 |

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| 163 | Subloop-based reversal of port rotation directions for container liner shipping network alteration. Transportation Research Part B: Methodological, 2018, 118, 336-361. | 5.9 | 7 |
| 164 | An improved learning-and-optimization train fare design method for addressing commuting congestion at CBD stations. Transportation Research, Part E: Logistics and Transportation Review, 2021, 153, 102427. | 7.4 | 7 |
| 165 | Ship Inspection by Port State Control—Review of Current Research. Smart Innovation, Systems and Technologies, 2019, , 233-241. | 0.6 | 7 |
| 166 | Development of denoising and compression algorithms for AIS-based vessel trajectories. Ocean Engineering, 2022, 252, 111207. | 4.3 | 7 |
| 167 | Systematic Network Design for Liner Shipping Services. Transportation Research Record, 2013, 2330, 16-23. | 1.9 | 6 |
| 168 | Performance analysis of service systems with priority upgrades. Annals of Operations Research, 2017, 253, 683-705. | 4.1 | 6 |
| 169 | Sustainable Ship Loading Planning for Prefabricated Products in the Construction Industry. Sustainability, 2020, 12, 8905. | 3.2 | 6 |
| 170 | Liner Ship Fleet Deployment with Uncertain Demand. Transportation Research Record, 2014, 2409, 49-53. | 1.9 | 5 |
| 171 | Ship Route Schedule Based Interactions Between Container Shipping Lines and Port Operators. Profiles in Operations Research, 2015, , 279-313. | 0.4 | 5 |
| 172 | Analysis of three container routing strategies. International Journal of Production Economics, 2017, 193, 259-271. | 8.9 | 5 |
| 173 | A Trial-and-Error Method with Autonomous Vehicle-to-Infrastructure Traffic Counts for Cordon-Based Congestion Pricing. Journal of Advanced Transportation, 2017, 2017, 1-8. | 1.7 | 5 |
| 174 | Coordinated approaches for port state control inspection planning. Maritime Policy and Management, 2022, 49, 897-912. | 3.8 | 5 |
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