

# Qiang Meng

## List of Publications by Citations

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

250  
papers

8,657  
citations

53  
h-index

78  
g-index

258  
ext. papers

10,263  
ext. citations

5.3  
avg, IF

7.03  
L-index

#	Paper	IF	Citations
250	Containership Routing and Scheduling in Liner Shipping: Overview and Future Research Directions. <i>Transportation Science</i> , <b>2014</b> , 48, 265-280	4.4	288
249	Sailing speed optimization for container ships in a liner shipping network. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2012</b> , 48, 701-714	9	262
248	A decision support system for vehicle relocation operations in carsharing systems. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2009</b> , 45, 149-158	9	222
247	Ship collision risk assessment for the Singapore Strait. <i>Accident Analysis and Prevention</i> , <b>2011</b> , 43, 2030-2036	20.36	169
246	Liner shipping service network design with empty container repositioning. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2011</b> , 47, 695-708	9	160
245	Liner ship route schedule design with sea contingency time and port time uncertainty. <i>Transportation Research Part B: Methodological</i> , <b>2012</b> , 46, 615-633	7.2	150
244	An overview of maritime waterway quantitative risk assessment models. <i>Risk Analysis</i> , <b>2012</b> , 32, 496-512	3.9	142
243	Global optimization methods for the discrete network design problem. <i>Transportation Research Part B: Methodological</i> , <b>2013</b> , 50, 42-60	7.2	135
242	Intermodal hub-and-spoke network design: Incorporating multiple stakeholders and multi-type containers. <i>Transportation Research Part B: Methodological</i> , <b>2011</b> , 45, 724-742	7.2	125
241	Benefit distribution and equity in road network design. <i>Transportation Research Part B: Methodological</i> , <b>2002</b> , 36, 19-35	7.2	120
240	Scheduling of two-transtainer systems for loading outbound containers in port container terminals with simulated annealing algorithm. <i>International Journal of Production Economics</i> , <b>2007</b> , 107, 115-124	9.3	115
239	Estimation of rear-end vehicle crash frequencies in urban road tunnels. <i>Accident Analysis and Prevention</i> , <b>2012</b> , 48, 254-63	6.1	114
238	Modeling the capacity and level of service of urban transportation networks. <i>Transportation Research Part B: Methodological</i> , <b>2000</b> , 34, 255-275	7.2	111
237	Short-term liner ship fleet planning with container transshipment and uncertain container shipment demand. <i>European Journal of Operational Research</i> , <b>2012</b> , 223, 96-105	5.6	103
236	Liner ship fleet deployment with container transshipment operations. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2012</b> , 48, 470-484	9	101
235	Robust schedule design for liner shipping services. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2012</b> , 48, 1093-1106	9	98
234	A novel modeling approach for the fleet deployment problem within a short-term planning horizon. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2010</b> , 46, 76-89	9	96

233	Departure time, route choice and congestion toll in a queuing network with elastic demand. <i>Transportation Research Part B: Methodological</i> , <b>1998</b> , 32, 247-260	7.2	96
232	Vessel Collision Frequency Estimation in the Singapore Strait. <i>Journal of Navigation</i> , <b>2012</b> , 65, 207-221	2.3	95
231	Electric vehicle fleet size and trip pricing for one-way carsharing services considering vehicle relocation and personnel assignment. <i>Transportation Research Part B: Methodological</i> , <b>2018</b> , 111, 60-82	7.2	89
230	Speed-based toll design for cordon-based congestion pricing scheme. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2013</b> , 31, 83-98	8.4	89
229	Robust optimization model of schedule design for a fixed bus route. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2012</b> , 25, 113-121	8.4	88
228	Trial-and-error implementation of marginal-cost pricing on networks in the absence of demand functions. <i>Transportation Research Part B: Methodological</i> , <b>2004</b> , 38, 477-493	7.2	88
227	Bunker consumption optimization methods in shipping: A critical review and extensions. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2013</b> , 53, 49-62	9	87
226	Evaluation of rear-end crash risk at work zone using work zone traffic data. <i>Accident Analysis and Prevention</i> , <b>2011</b> , 43, 1291-300	6.1	84
225	A chance constrained programming model for short-term liner ship fleet planning problems. <i>Maritime Policy and Management</i> , <b>2010</b> , 37, 329-346	2.5	82
224	Optimal distance tolls under congestion pricing and continuously distributed value of time. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2012</b> , 48, 937-957	9	80
223	Bus dwell time estimation at bus bays: A probabilistic approach. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2013</b> , 36, 61-71	8.4	77
222	Robust Optimization Model of Bus Transit Network Design with Stochastic Travel Time. <i>Journal of Transportation Engineering</i> , <b>2013</b> , 139, 625-634		77
221	Optimal operating strategy for a long-haul liner service route. <i>European Journal of Operational Research</i> , <b>2011</b> , 215, 105-114	5.6	77
220	Joint charging mode and location choice model for battery electric vehicle users. <i>Transportation Research Part B: Methodological</i> , <b>2017</b> , 103, 68-86	7.2	70
219	Big AIS data based spatial-temporal analyses of ship traffic in Singapore port waters. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2019</b> , 129, 287-304	9	70
218	Shipping log data based container ship fuel efficiency modeling. <i>Transportation Research Part B: Methodological</i> , <b>2016</b> , 83, 207-229	7.2	69
217	Simultaneous Estimation of the Origin-Destination Matrices and Travel-Cost Coefficient for Congested Networks in a Stochastic User Equilibrium. <i>Transportation Science</i> , <b>2001</b> , 35, 107-123	4.4	69
216	Stackelberg games and multiple equilibrium behaviors on networks. <i>Transportation Research Part B: Methodological</i> , <b>2007</b> , 41, 841-861	7.2	68

215	Shipping efficiency comparison between Northern Sea Route and the conventional Asia-Europe shipping route via Suez Canal. <i>Journal of Transport Geography</i> , <b>2016</b> , 57, 241-249	5.2	68
214	An improved cellular automata model for heterogeneous work zone traffic. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2011</b> , 19, 1263-1275	8.4	65
213	Optimal joint distance and time toll for cordon-based congestion pricing. <i>Transportation Research Part B: Methodological</i> , <b>2014</b> , 69, 81-97	7.2	64
212	Liner container seasonal shipping revenue management. <i>Transportation Research Part B: Methodological</i> , <b>2015</b> , 82, 141-161	7.2	61
211	Road pricing for congestion control with unknown demand and cost functions. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2010</b> , 18, 157-175	8.4	61
210	Liner hub-and-spoke shipping network design. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2015</b> , 75, 32-48	9	60
209	A scenario-based dynamic programming model for multi-period liner ship fleet planning. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2011</b> , 47, 401-413	9	60
208	Impact analysis of cordon-based congestion pricing on mode-split for a bimodal transportation network. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2012</b> , 21, 134-147	8.4	58
207	Viability of transarctic shipping routes: a literature review from the navigational and commercial perspectives. <i>Maritime Policy and Management</i> , <b>2017</b> , 44, 16-41	2.5	58
206	Probabilistic ship domain with applications to ship collision risk assessment. <i>Ocean Engineering</i> , <b>2019</b> , 186, 106130	3.9	57
205	Liner ship fleet deployment with week-dependent container shipment demand. <i>European Journal of Operational Research</i> , <b>2012</b> , 222, 241-252	5.6	57
204	Schedule Design and Container Routing in Liner Shipping. <i>Transportation Research Record</i> , <b>2011</b> , 2222, 25-33	1.7	57
203	A probabilistic quantitative risk assessment model for the long-term work zone crashes. <i>Accident Analysis and Prevention</i> , <b>2010</b> , 42, 1866-77	6.1	56
202	A novel ship trajectory reconstruction approach using AIS data. <i>Ocean Engineering</i> , <b>2018</b> , 159, 165-174	3.9	56
201	Network user equilibrium problems for the mixed battery electric vehicles and gasoline vehicles subject to battery swapping stations and road grade constraints. <i>Transportation Research Part B: Methodological</i> , <b>2017</b> , 99, 138-166	7.2	55
200	Deployment strategies of double-rail-mounted gantry crane systems for loading outbound containers in container terminals. <i>International Journal of Production Economics</i> , <b>2008</b> , 115, 221-228	9.3	55
199	Global intermodal liner shipping network design. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2014</b> , 61, 28-39	9	54
198	A global optimization method for continuous network design problems. <i>Transportation Research Part B: Methodological</i> , <b>2012</b> , 46, 1144-1158	7.2	54

197	Multiobjective Vehicle Routing and Scheduling Problem with Time Window Constraints in Hazardous Material Transportation. <i>Journal of Transportation Engineering</i> , <b>2005</b> , 131, 699-707		52
196	Two-phase optimal solutions for ship speed and trim optimization over a voyage using voyage report data. <i>Transportation Research Part B: Methodological</i> , <b>2019</b> , 122, 88-114	7.2	52
195	Liner shipping network design with deadlines. <i>Computers and Operations Research</i> , <b>2014</b> , 41, 140-149	4.6	51
194	Game-theoretical models for competition analysis in a new emerging liner container shipping market. <i>Transportation Research Part B: Methodological</i> , <b>2014</b> , 70, 201-227	7.2	50
193	The economic importance of the Straits of Malacca and Singapore: An extreme-scenario analysis. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2012</b> , 48, 258-265	9	50
192	Bus-based park-and-ride system: a stochastic model on multimodal network with congestion pricing schemes. <i>International Journal of Systems Science</i> , <b>2014</b> , 45, 994-1006	2.3	49
191	Modeling speed-flow relationship and merging behavior in work zone merging areas. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2011</b> , 19, 985-996	8.4	49
190	Distance-constrained capacitated vehicle routing problems with flexible assignment of start and end depots. <i>Mathematical and Computer Modelling</i> , <b>2008</b> , 47, 140-152		48
189	Container liner fleet deployment: A systematic overview. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2017</b> , 77, 389-404	8.4	47
188	Modeling private highways in networks with entry/exit based toll charges. <i>Transportation Research Part B: Methodological</i> , <b>2004</b> , 38, 191-213	7.2	45
187	Container routing in liner shipping. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2013</b> , 49, 1-7	9	44
186	Containership scheduling with transit-time-sensitive container shipment demand. <i>Transportation Research Part B: Methodological</i> , <b>2013</b> , 54, 68-83	7.2	44
185	Robust bunker management for liner shipping networks. <i>European Journal of Operational Research</i> , <b>2015</b> , 243, 789-797	5.6	43
184	Effects of environment, vehicle and driver characteristics on risky driving behavior at work zones. <i>Safety Science</i> , <b>2012</b> , 50, 1034-1042	5.8	41
183	Discrete intermodal freight transportation network design with route choice behavior of intermodal operators. <i>Transportation Research Part B: Methodological</i> , <b>2017</b> , 95, 76-104	7.2	40
182	Mathematical models and computational algorithms for probit-based asymmetric stochastic user equilibrium problem with elastic demand. <i>Transportmetrica</i> , <b>2012</b> , 8, 261-290		40
181	Competitive facility location on decentralized supply chains. <i>European Journal of Operational Research</i> , <b>2009</b> , 196, 487-499	5.6	40
180	Highway pricing and capacity choice in a road network under a build-operate-transfer scheme. <i>Transportation Research, Part A: Policy and Practice</i> , <b>2000</b> , 34, 207-222	3.7	40

179	Remote park-and-ride network equilibrium model and its applications. <i>Transportation Research Part B: Methodological</i> , <b>2018</b> , 117, 37-62	7.2	40
178	Analysis of driver casualty risk for different work zone types. <i>Accident Analysis and Prevention</i> , <b>2011</b> , 43, 1811-7	6.1	39
177	Classification and Regression Tree Approach for Predicting Drivers' Merging Behavior in Short-Term Work Zone Merging Areas. <i>Journal of Transportation Engineering</i> , <b>2012</b> , 138, 1062-1070		39
176	Ridesharing user equilibrium problem under OD-based surge pricing strategy. <i>Transportation Research Part B: Methodological</i> , <b>2020</b> , 134, 1-24	7.2	38
175	A note on Berth allocation considering fuel consumption and vessel emissions. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2013</b> , 49, 48-54	9	38
174	Is the Northern Sea Route attractive to shipping companies? Some insights from recent ship traffic data. <i>Marine Policy</i> , <b>2016</b> , 73, 53-60	3.5	37
173	A note on hotspot identification for urban expressways. <i>Safety Science</i> , <b>2014</b> , 66, 87-91	5.8	37
172	Development and applications of a simulation model for vessels in the Singapore Straits. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 8430-8438	7.8	37
171	Microscopic Traffic Simulation Model-Based Optimization Approach for the Contraflow Lane Configuration Problem. <i>Journal of Transportation Engineering</i> , <b>2008</b> , 134, 41-49		37
170	A tailored branch-and-price approach for a joint tramp ship routing and bunkering problem. <i>Transportation Research Part B: Methodological</i> , <b>2015</b> , 72, 1-19	7.2	36
169	Quantitative risk assessment modeling for nonhomogeneous urban road tunnels. <i>Risk Analysis</i> , <b>2011</b> , 31, 382-403	3.9	36
168	A note on liner ship fleet deployment. <i>Flexible Services and Manufacturing Journal</i> , <b>2011</b> , 23, 422-430	1.8	36
167	A tailored machine learning approach for urban transport network flow estimation. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2019</b> , 108, 130-150	8.4	35
166	Analysis of work zone rear-end crash risk for different vehicle-following patterns. <i>Accident Analysis and Prevention</i> , <b>2014</b> , 72, 449-57	6.1	35
165	Reversing port rotation directions in a container liner shipping network. <i>Transportation Research Part B: Methodological</i> , <b>2013</b> , 50, 61-73	7.2	35
164	Two-phase decomposition method for the last train departure time choice in subway networks. <i>Transportation Research Part B: Methodological</i> , <b>2017</b> , 104, 568-582	7.2	34
163	Fundamental diagram of ship traffic in the Singapore Strait. <i>Ocean Engineering</i> , <b>2018</b> , 147, 340-354	3.9	34
162	Fleet sizing for one-way electric carsharing services considering dynamic vehicle relocation and nonlinear charging profile. <i>Transportation Research Part B: Methodological</i> , <b>2019</b> , 128, 23-49	7.2	34

161	Revenue management for container liner shipping services: Critical review and future research directions. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2019</b> , 128, 280-292	9	34
160	Impact analysis of maritime cabotage legislations on liner hub-and-spoke shipping network design. <i>European Journal of Operational Research</i> , <b>2014</b> , 234, 874-884	5.6	34
159	Delimiting port hinterlands based on intermodal network flows: Model and algorithm. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2016</b> , 88, 32-51	9	34
158	Joint berth allocation and quay crane assignment under different carbon taxation policies. <i>Transportation Research Part B: Methodological</i> , <b>2018</b> , 117, 18-36	7.2	34
157	A note on supply chain network equilibrium models. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2007</b> , 43, 60-71	9	33
156	Optimal vessel speed and fleet size for industrial shipping services under the emission control area regulation. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2019</b> , 105, 37-53	8.4	31
155	Risk management in liner ship fleet deployment: A joint chance constrained programming model. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2013</b> , 60, 1-12	9	31
154	A bi-objective optimization approach for exclusive bus lane selection and scheduling design. <i>Engineering Optimization</i> , <b>2014</b> , 46, 987-1007	2	30
153	General stochastic user equilibrium traffic assignment problem with link capacity constraints. <i>Journal of Advanced Transportation</i> , <b>2008</b> , 42, 429-465	1.9	30
152	QRA model-based risk impact analysis of traffic flow in urban road tunnels. <i>Risk Analysis</i> , <b>2011</b> , 31, 1872-82	3.2	29
151	Value-of-time distributions and competitive bus services. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2001</b> , 37, 411-424	9	29
150	Development of a subway operation incident delay model using accelerated failure time approaches. <i>Accident Analysis and Prevention</i> , <b>2014</b> , 73, 12-9	6.1	28
149	Analyses and Implications of Accidents in Singapore Strait. <i>Transportation Research Record</i> , <b>2012</b> , 2273, 106-111	1.7	28
148	Trial-and-error method for congestion pricing scheme under side-constrained probit-based stochastic user equilibrium conditions. <i>Transportation</i> , <b>2011</b> , 38, 819-843	4	28
147	The process of information propagation in a traffic stream with a general vehicle headway: A revisit. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2010</b> , 18, 367-375	8.4	28
146	Bus schedule coordination for the last train service in an intermodal bus-and-train transport network. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2015</b> , 60, 360-376	8.4	27
145	Analysis with Automatic Identification System Data of Vessel Traffic Characteristics in the Singapore Strait. <i>Transportation Research Record</i> , <b>2014</b> , 2426, 33-43	1.7	27
144	Estimating capacity and traffic delay in work zones: An overview. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2013</b> , 35, 34-45	8.4	27

143	Rear-end crash potential estimation in the work zone merging areas. <i>Journal of Advanced Transportation</i> , <b>2014</b> , 48, 238-249	1.9	27
142	Uncertainty Propagation in Quantitative Risk Assessment Modeling for Fire in Road Tunnels. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , <b>2012</b> , 42, 1454-1464		27
141	Cellular Automata Model for Work Zone Traffic. <i>Transportation Research Record</i> , <b>2010</b> , 2188, 131-139	1.7	27
140	A note on Highway pricing and capacity choice in a road network under a build-operate-transfer scheme. <i>Transportation Research, Part A: Policy and Practice</i> , <b>2002</b> , 36, 659-663	3.7	27
139	Bus and driver scheduling with mealtime windows for a single public bus route. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2019</b> , 101, 145-160	8.4	26
138	Network Design for Shipping Service of Large-Scale Intermodal Liners. <i>Transportation Research Record</i> , <b>2012</b> , 2269, 42-50	1.7	26
137	Optimizing Contraflow Scheduling Problem: Model and Algorithm. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , <b>2008</b> , 12, 126-138	3.2	26
136	Designing autonomous vehicle incentive program with uncertain vehicle purchase price. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2019</b> , 103, 226-245	8.4	25
135	Liner ship route capacity utilization estimation with a bounded polyhedral container shipment demand pattern. <i>Transportation Research Part B: Methodological</i> , <b>2013</b> , 47, 57-76	7.2	25
134	Decision TreeBased Model for Estimation of Work Zone Capacity. <i>Transportation Research Record</i> , <b>2011</b> , 2257, 40-50	1.7	25
133	A Pareto-optimization approach for a fair ramp metering. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2010</b> , 18, 489-506	8.4	25
132	Solving the first-mile ridesharing problem using autonomous vehicles. <i>Computer-Aided Civil and Infrastructure Engineering</i> , <b>2020</b> , 35, 45-60	8.4	25
131	Liner container assignment model with transit-time-sensitive container shipment demand and its applications. <i>Transportation Research Part B: Methodological</i> , <b>2016</b> , 90, 135-155	7.2	24
130	Segment-based alteration for container liner shipping network design. <i>Transportation Research Part B: Methodological</i> , <b>2015</b> , 72, 128-145	7.2	24
129	Asymmetric stochastic user equilibrium problem with elastic demand and link capacity constraints. <i>Transportmetrica A: Transport Science</i> , <b>2014</b> , 10, 304-326	2.5	24
128	A four-step method for electric-vehicle charging facility deployment in a dense city: An empirical study in Singapore. <i>Transportation Research, Part A: Policy and Practice</i> , <b>2019</b> , 119, 224-237	3.7	24
127	Tree-based logistic regression approach for work zone casualty risk assessment. <i>Risk Analysis</i> , <b>2013</b> , 33, 493-504	3.9	23
126	Multi-period liner ship fleet planning with dependent uncertain container shipment demand. <i>Maritime Policy and Management</i> , <b>2015</b> , 42, 43-67	2.5	23



125	Simultaneous optimization of schedule coordination and cargo allocation for liner container shipping networks. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2014</b> , 70, 261-273	9	22
124	Analysis of optimal BOT highway capacity and economic toll adjustment provisions under traffic demand uncertainty. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2017</b> , 100, 17-37	9	21
123	Optimal deployment of charging stations considering path deviation and nonlinear elastic demand. <i>Transportation Research Part B: Methodological</i> , <b>2020</b> , 135, 120-142	7.2	21
122	Fundamental properties of volume-capacity ratio of a private toll road in general networks. <i>Transportation Research Part B: Methodological</i> , <b>2013</b> , 47, 77-86	7.2	21
121	Design and implementation of a quantitative risk assessment software tool for Singapore road tunnels. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 13827-13827	7.8	21
120	Toll pricing framework under logit-based stochastic user equilibrium constraints. <i>Journal of Advanced Transportation</i> , <b>2014</b> , 48, 1121-1137	1.9	20
119	A day-to-day route flow evolution process towards the mixed equilibria. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2017</b> , 82, 210-228	8.4	20
118	Big Data-Based Estimation for Ship Safety Distance Distribution in Port Waters. <i>Transportation Research Record</i> , <b>2015</b> , 2479, 16-24	1.7	20
117	Equity based land-use and transportation problem. <i>Journal of Advanced Transportation</i> , <b>2006</b> , 40, 75-93	1.9	20
116	Regional multimodal logistics network design considering demand uncertainty and CO2 emission reduction target: A system-optimization approach. <i>Journal of Cleaner Production</i> , <b>2020</b> , 248, 119304	10.3	20
115	Itinerary provision and pricing in container liner shipping revenue management. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2015</b> , 77, 135-146	9	19
114	Modelling impacts of adverse weather conditions on activity-travel pattern scheduling in multi-modal transit networks. <i>Transportmetrica B</i> , <b>2014</b> , 2, 151-167	1.8	19
113	Variational inequality model for cordon-based congestion pricing under side constrained stochastic user equilibrium conditions. <i>Transportmetrica A: Transport Science</i> , <b>2014</b> , 10, 693-704	2.5	19
112	Intercontinental Liner Shipping Service Design. <i>Transportation Science</i> , <b>2019</b> , 53, 344-364	4.4	18
111	Vehicle headway distribution in work zones. <i>Transportmetrica A: Transport Science</i> , <b>2014</b> , 10, 285-303	2.5	18
110	Joint Ship Schedule Design and Sailing Speed Optimization for a Single Inland Shipping Service with Uncertain Dam Transit Time. <i>Transportation Science</i> , <b>2018</b> , 52, 1570-1588	4.4	18
109	How will the opening of the Northern Sea Route influence the Suez Canal Route? An empirical analysis with discrete choice models. <i>Transportation Research, Part A: Policy and Practice</i> , <b>2018</b> , 107, 75-89	3.7	17
108	A Genetic algorithm approach to assessing work zone casualty risk. <i>Safety Science</i> , <b>2011</b> , 49, 1283-1288	5.8	17

107	Strategic integration of the inland port and shipping service for the ocean carrier. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2018</b> , 110, 90-109	9	16
106	Jointly optimizing ship sailing speed and bunker purchase in liner shipping with distribution-free stochastic bunker prices. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2018</b> , 89, 35-52	8.4	16
105	Estimating link travel time functions for heterogeneous traffic flows on freeways. <i>Journal of Advanced Transportation</i> , <b>2016</b> , 50, 1683-1698	1.9	16
104	Global convergence of the trial-and-error method for the traffic-restraint congestion-pricing scheme with day-to-day flow dynamics. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2016</b> , 69, 276-290	8.4	16
103	Distributed computing approaches for large-scale probit-based stochastic user equilibrium problems. <i>Journal of Advanced Transportation</i> , <b>2011</b> , n/a-n/a	1.9	16
102	Mathematically calculating the transit time of cargo through a liner shipping network with various trans-shipment policies. <i>Maritime Policy and Management</i> , <b>2017</b> , 44, 248-270	2.5	15
101	Budgeting Fuel Consumption of Container Ship over Round-Trip Voyage through Robust Optimization. <i>Transportation Research Record</i> , <b>2015</b> , 2477, 68-75	1.7	15
100	Ensemble Tree Approach to Estimating Work Zone Capacity. <i>Transportation Research Record</i> , <b>2012</b> , 2286, 56-67	1.7	15
99	Estimation of number of fatalities caused by toxic gases due to fire in road tunnels. <i>Accident Analysis and Prevention</i> , <b>2013</b> , 50, 616-21	6.1	15
98	The impact of landbridge on the market shares of Asian ports. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2011</b> , 47, 190-203	9	15
97	Counting the different efficient paths for transportation networks and its applications. <i>Journal of Advanced Transportation</i> , <b>2010</b> , 39, 193-220	1.9	15
96	Sensitivity Analysis of Logit-Based Stochastic User Equilibrium Network Flows with Entry/Exit Toll Schemes. <i>Computer-Aided Civil and Infrastructure Engineering</i> , <b>2008</b> , 23, 138-156	8.4	15
95	Decision Analysis of Statistically Detecting Distributed Denial-of-Service Flooding Attacks. <i>International Journal of Information Technology and Decision Making</i> , <b>2003</b> , 02, 397-405	2.8	15
94	Transportation Network Optimization Problems with Stochastic User Equilibrium Constraints. <i>Transportation Research Record</i> , <b>2004</b> , 1882, 113-119	1.7	15
93	Maritime simulator based determination of minimum DCPA and TCPA in head-on ship-to-ship collision avoidance in confined waters. <i>Transportmetrica A: Transport Science</i> , <b>2019</b> , 15, 1124-1144	2.5	14
92	Allocation of street parking facilities in a capacitated network with equilibrium constraints on drivers' traveling and cruising for parking. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2019</b> , 101, 181-207	8.4	14
91	Uncertainty analysis of accident notification time and emergency medical service response time in work zone traffic accidents. <i>Traffic Injury Prevention</i> , <b>2013</b> , 14, 150-8	1.8	14
90	Modeling user adoption of advanced traveler information systems: dynamic evolution and stationary equilibrium. <i>Transportation Research, Part A: Policy and Practice</i> , <b>2001</b> , 35, 895-912	3.7	14

89	Carrying capacity procurement of rail and shipping services for automobile delivery with uncertain demand. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2015</b> , 82, 38-54	9	13
88	Tailored Wakeby-type distribution for random bus headway adherence ratio. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2018</b> , 86, 220-244	8.4	13
87	A computational model for the probit-based dynamic stochastic user optimal traffic assignment problem. <i>Journal of Advanced Transportation</i> , <b>2012</b> , 46, 80-94	1.9	13
86	Origin-Based Partial Linearization Method for the Stochastic User Equilibrium Traffic Assignment Problem. <i>Journal of Transportation Engineering</i> , <b>2010</b> , 136, 52-60		13
85	Self-Similar Characteristics of Vehicle Arrival Pattern on Highways. <i>Journal of Transportation Engineering</i> , <b>2009</b> , 135, 864-872		13
84	Trial-and-Error Procedure for Implementing a Road-Pricing Scheme		13
83	Optimal port call adjustment for liner container shipping routes. <i>Transportation Research Part B: Methodological</i> , <b>2019</b> , 128, 107-128	7.2	12
82	How do ships pass through L-shaped turnings in the Singapore strait?. <i>Ocean Engineering</i> , <b>2019</b> , 182, 329-342	3.9	12
81	Optimal price decisions for joint ventures between port operators and shipping lines under the congestion effect. <i>European Journal of Operational Research</i> , <b>2019</b> , 273, 695-707	5.6	12
80	Incorporating work zone configuration factors into speed-flow and capacity models. <i>Journal of Advanced Transportation</i> , <b>2015</b> , 49, 371-384	1.9	12
79	Park-and-Ride Network Equilibrium with Heterogeneous Commuters and Parking Space Constraint. <i>Transportation Research Record</i> , <b>2014</b> , 2466, 87-97	1.7	12
78	Quantitative analyses of highway franchising under build-operate-transfer scheme: Critical review and future research directions. <i>Transportation Research Part B: Methodological</i> , <b>2017</b> , 102, 105-123	7.2	11
77	Feeder Bus Timetable Design and Vehicle Size Setting in Peak Hour Demand Conditions. <i>Transportation Research Record</i> , <b>2019</b> , 2673, 321-332	1.7	11
76	Tugboat scheduling for container ports. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2020</b> , 142, 102071	9	11
75	Robust Optimization Model for Liner Ship Fleet Planning with Container Transshipment and Uncertain Demand. <i>Transportation Research Record</i> , <b>2012</b> , 2273, 18-28	1.7	11
74	Continuous-time dynamic network yield management with demand driven dispatch in the airline industry. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2008</b> , 44, 1052-1073	9	11
73	Profitability and welfare gain of private toll roads in a network with heterogeneous users. <i>Transportation Research, Part A: Policy and Practice</i> , <b>2002</b> , 36, 537-554	3.7	11
72	An Integrated Network Equilibrium Model of Urban Location and Travel Choices. <i>Journal of Regional Science</i> , <b>1998</b> , 38, 575-598	1.8	11

71	Exploratory data analysis for the cancellation of slot booking in intercontinental container liner shipping: A case study of Asia to US West Coast Service. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2019</b> , 106, 243-263	8.4	10
70	Parallel shuttle bus service design for planned mass rapid transit shutdown: The Singapore experience. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2019</b> , 108, 340-356	8.4	10
69	Optimal subwork zone operational strategy for short-term work zone projects in four-lane two-way freeways. <i>Journal of Advanced Transportation</i> , <b>2013</b> , 47, 151-169	1.9	10
68	Trial-and-Error Procedure for Implementing a Road-Pricing Scheme. <i>Transportation Research Record</i> , <b>2005</b> , 1923, 103-109	1.7	10
67	A Combined Land-Use and Transportation Model for Work Trips. <i>Environment and Planning B: Planning and Design</i> , <b>2000</b> , 27, 93-103		10
66	Tugboat scheduling under ship arrival and tugging process time uncertainty. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2020</b> , 144, 102125	9	9
65	Spatial Multi-Objective Land Use Optimization toward Livability Based on Boundary-Based Genetic Algorithm: A Case Study in Singapore. <i>ISPRS International Journal of Geo-Information</i> , <b>2020</b> , 9, 40	2.9	9
64	Transit Assignment Model Incorporating Bus Dwell Time. <i>Transportation Research Record</i> , <b>2013</b> , 2352, 76-83	1.7	9
63	Logit-Based Stochastic User Equilibrium Problem for Entry-Exit Toll Schemes. <i>Journal of Transportation Engineering</i> , <b>2004</b> , 130, 805-813		9
62	Evacuating metro passengers via the urban bus system under uncertain disruption recovery time and heterogeneous risk-taking behaviour. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2020</b> , 119, 102761	8.4	9
61	A trajectory-based energy consumption estimation method considering battery degradation for an urban electric vehicle network. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2019</b> , 74, 142-153	6.4	8
60	Joint Scheduling of Vessel Traffic and Pilots in Seaport Waters. <i>Transportation Science</i> , <b>2020</b> , 54, 1495-1515	11.5	8
59	Integrated method for forecasting container slot booking in intercontinental liner shipping service. <i>Flexible Services and Manufacturing Journal</i> , <b>2019</b> , 31, 653-674	1.8	8
58	Customized bus service design for uncertain commuting travel demand. <i>Transportmetrica A: Transport Science</i> , <b>2021</b> , 17, 1405-1430	2.5	8
57	Impacts of pavement deterioration and maintenance cost on Pareto-efficient contracts for highway franchising. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2018</b> , 113, 1-21	9	7
56	Optimal Parking Pricing in Many-to-One Park-and-Ride Network with Parking Space Constraints. <i>Transportation Research Record</i> , <b>2015</b> , 2498, 99-108	1.7	7
55	Intermodal Container Flow Simulation Model and Its Applications. <i>Transportation Research Record</i> , <b>2011</b> , 2224, 35-41	1.7	7
54	Public bus service contracting: A critical review and future research opportunities. <i>Research in Transportation Economics</i> , <b>2020</b> , 83, 100938	2.4	7

53	Optimizing freight rate of spot market containers with uncertainties in shipping demand and available ship capacity. <i>Transportation Research Part B: Methodological</i> , <b>2021</b> , 146, 314-332	7.2	7
52	Ship accident consequences and contributing factors analyses using ship accident investigation reports. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , <b>2019</b> , 233, 35-47	0.8	7
51	Multiple equilibrium behaviors of auto travellers and a freight carrier under the cordon-based large-truck restriction regulation. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2020</b> , 134, 101829	9	6
50	Bunker Procurement Planning for Container Liner Shipping Companies: Multistage Stochastic Programming Approach. <i>Transportation Research Record</i> , <b>2015</b> , 2479, 60-68	1.7	6
49	The container drayage problem for heterogeneous trucks with multiple loads: A revisit. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2021</b> , 147, 102241	9	6
48	Taxi trajectory data based fast-charging facility planning for urban electric taxi systems. <i>Applied Energy</i> , <b>2021</b> , 286, 116515	10.7	6
47	Ship choice and shore-power service assessment for inland river container shipping networks. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2021</b> , 94, 102805	6.4	6
46	Determination of Minimum Distance to Obstacle Avoidance in the Singapore Strait. <i>Transportation Research Record</i> , <b>2018</b> , 2672, 73-80	1.7	6
45	Optimal purchase subsidy design for human-driven electric vehicles and autonomous electric vehicles. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2020</b> , 116, 102641	8.4	5
44	Short-term liner shipping bunker procurement with swap contracts. <i>Maritime Policy and Management</i> , <b>2018</b> , 45, 211-238	2.5	5
43	Investigating user perception on autonomous vehicle (AV) based mobility-on-demand (MOD) services in Singapore using the logit kernel approach. <i>Transportation</i> , <b>2019</b> , 46, 2063-2080	4	5
42	Optimal subwork zone length and project start time for short-term daytime work zones from the contractor's perspective. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2013</b> , 29, 72-83	8.4	5
41	On the weighting of the mean-absolute-deviation cost minimization model. <i>Journal of the Operational Research Society</i> , <b>2013</b> , 64, 622-628	2	5
40	Systematic Network Design for Liner Shipping Services. <i>Transportation Research Record</i> , <b>2013</b> , 2330, 16-23		5
39	Probability estimation model for the cancellation of container slot booking in long-haul transports of intercontinental liner shipping services. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2020</b> , 119, 102731	8.4	5
38	Feeder vessel routing and transshipment coordination at a congested hub port. <i>Transportation Research Part B: Methodological</i> , <b>2021</b> , 151, 1-21	7.2	5
37	Stochastic Schedule-Based Optimization Model for Track Allocations in Large Railway Stations. <i>Journal of Transportation Engineering Part A: Systems</i> , <b>2019</b> , 145, 04019001	1.5	4
36	Semi-liner Shipping Service Design. <i>Transportation Science</i> , <b>2020</b> , 54, 1288-1306	4.4	4

35	A probabilistic quantitative risk assessment model for fire in road tunnels with parameter uncertainty. <i>International Journal of Reliability and Safety</i> , <b>2011</b> , 5, 285	0.9	4
34	Impact of Land Bridge on Port Market Area: Model Development and Scenario Analysis. <i>Transportation Research Record</i> , <b>2009</b> , 2097, 78-87	1.7	4
33	Utility-Based Estimation of Probabilistic Port Hinterland for Networks of Intermodal Freight Transportation. <i>Transportation Research Record</i> , <b>2010</b> , 2168, 53-62	1.7	4
32	A Sequential Experimental Approach for Analyzing Second-best Road Pricing with Unknown Demand Functions <b>2005</b> , 23-42		4
31	A two-stage hybrid heuristic solution for the container drayage problem with trailer reposition. <i>European Journal of Operational Research</i> , <b>2021</b> ,	5.6	4
30	A two-stage stochastic nonlinear integer-programming model for slot allocation of a liner container shipping service. <i>Transportation Research Part B: Methodological</i> , <b>2021</b> , 150, 143-160	7.2	4
29	Bus driver scheduling enhancement: a derandomizing approach for uncertain bus trip times. <i>Transportmetrica B</i> , <b>2020</b> , 8, 200-218	1.8	3
28	Optimal quality incentive scheme design in contracting out public bus services. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2021</b> , 133, 103427	8.4	3
27	An operational-mode-based method for estimating ship emissions in port waters. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2021</b> , 101, 103080	6.4	3
26	Capacity analysis of ship-tugging operations in a large container port. <i>Asian Transport Studies</i> , <b>2020</b> , 6, 100011	0.6	2
25	Network-level energy consumption estimation for electric vehicles considering vehicle and user heterogeneity. <i>Transportation Research, Part A: Policy and Practice</i> , <b>2020</b> , 132, 30-46	3.7	2
24	Competitive and cooperative behaviour analysis of connected and autonomous vehicles across unsignalised intersections: A game-theoretic approach. <i>Transportation Research Part B: Methodological</i> , <b>2021</b> , 149, 322-346	7.2	2
23	Optimizing voyage charterparty (VCP) arrangement: Laytime negotiation and operations coordination. <i>European Journal of Operational Research</i> , <b>2021</b> , 291, 263-270	5.6	2
22	Dynamic tugboat scheduling for container ports. <i>Maritime Policy and Management</i> , 1-23	2.5	2
21	Container port drayage operations and management: Past and future. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2022</b> , 159, 102633	9	2
20	Autonomous truck scheduling for container transshipment between two seaport terminals considering platooning and speed optimization. <i>Transportation Research Part B: Methodological</i> , <b>2021</b> , 154, 289-315	7.2	2
19	A discrete day-to-day link flow dynamic model considering travelers' heterogeneous inertia patterns. <i>Transportmetrica A: Transport Science</i> , <b>2020</b> , 16, 1400-1428	2.5	1
18	Optimal Automobile Distribution Model in Multimodal Freight Transportation Networks. <i>Transportation Research Record</i> , <b>2014</b> , 2410, 50-57	1.7	1

17	Optimisation of contraflow operations: Model and algorithm. <i>IES Journal Part A: Civil and Structural Engineering</i> , <b>2008</b> , 1, 291-300		1
16	Urban Expressway-Arterial Corridor On-Line Control System Based on Advanced Traveler Information System. <i>Transportation Research Record</i> , <b>2007</b> , 2000, 44-50	1.7	1
15	Liner Ship Fleet Planning Problem With a Joint Chance-Constrained Service Level <b>2017</b> , 113-126		1
14	A LINEARIZED APPROACH FOR LINER SHIP FLEET PLANNING WITH DEMAND UNCERTAINTY <b>2011</b> , 229-256		1
13	Impact analysis of investment coordination mechanisms in regional low-carbon logistics network design. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2021</b> , 92, 102735	6.4	1
12	An electric-vehicle corridor model in a dense city with applications to charging location and traffic management. <i>Transportation Research Part B: Methodological</i> , <b>2021</b> , 149, 79-99	7.2	1
11	An Optimal Dynamic Lane Reversal and Traffic Control Strategy for Autonomous Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-12	6.1	1
10	Scheduling of Liner Container Shipping Services <b>2021</b> , 335-343		1
9	Random capacity for a single lane with mixed autonomous and human-driven vehicles: Bounds, mean gaps and probability distributions. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2022</b> , 160, 102650	9	1
8	Electric Bus Charging Scheduling for a Single Public Transport Route Considering Nonlinear Charging Profile and Battery Degradation Effect. <i>Transportation Research Part B: Methodological</i> , <b>2022</b> , 159, 49-75	7.2	1
7	Response to the discussion by Montewka Jaku, Gil Mateusz and Wrbel Krzysztof on the article by Zhang & Meng entitled Probabilistic ship domain with applications to ship collision risk assessment [Ocean Eng. 186 (2019) 106130]. <i>Ocean Engineering</i> , <b>2020</b> , 209, 107471	3.9	0
6	Robust container slot allocation with uncertain demand for liner shipping services. <i>Flexible Services and Manufacturing Journal</i> , 1	1.8	0
5	Liner Ship Fleet Planning <b>2017</b> , 15-38		
4	An empirical study of taxi crashes in Singapore. <i>Asian Transport Studies</i> , <b>2022</b> , 8, 100056	0.6	
3	Liner Ship Fleet Planning Problem With an Individual Chance-Constrained Service Level <b>2017</b> , 95-112		
2	Multiperiod Liner Ship Fleet Planning <b>2017</b> , 149-175		
1	Impact analysis of the traffic convoy system and toll pricing policy of the Suez Canal on the operations of a liner containership over a long-haul voyage. <i>International Journal of Shipping and Transport Logistics</i> , <b>2019</b> , 11, 119	1	