

Qiang Meng

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9339718/qiang-meng-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	An empirical study of taxi crashes in Singapore. <i>Asian Transport Studies</i> , 2022 , 8, 100056	0.6	
249	Container port drayage operations and management: Past and future. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2022 , 159, 102633	9	2
248	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> , 2022 , 160, 102650	9	1
247	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> , 2022 , 159, 49-75	7.2	1
246	Optimal quality incentive scheme design in contracting out public bus services. <i>Transportation Research Part C: Emerging Technologies</i> , 2021 , 133, 103427	8.4	3
245	An operational-mode-based method for estimating ship emissions in port waters. <i>Transportation Research, Part D: Transport and Environment</i> , 2021 , 101, 103080	6.4	3
244	The container drayage problem for heterogeneous trucks with multiple loads: A revisit. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021 , 147, 102241	9	6
243	Impact analysis of investment coordination mechanisms in regional low-carbon logistics network design. <i>Transportation Research, Part D: Transport and Environment</i> , 2021 , 92, 102735	6.4	1
242	Taxi trajectory data based fast-charging facility planning for urban electric taxi systems. <i>Applied Energy</i> , 2021 , 286, 116515	10.7	6
241	Optimizing freight rate of spot market containers with uncertainties in shipping demand and available ship capacity. <i>Transportation Research Part B: Methodological</i> , 2021 , 146, 314-332	7.2	7
240	Ship choice and shore-power service assessment for inland river container shipping networks. <i>Transportation Research, Part D: Transport and Environment</i> , 2021 , 94, 102805	6.4	6
239	A two-stage hybrid heuristic solution for the container drayage problem with trailer reposition. <i>European Journal of Operational Research</i> , 2021 ,	5.6	4
238	An electric-vehicle corridor model in a dense city with applications to charging location and traffic management. <i>Transportation Research Part B: Methodological</i> , 2021 , 149, 79-99	7.2	1
237	Competitive and cooperative behaviour analysis of connected and autonomous vehicles across unsignalised intersections: A game-theoretic approach. <i>Transportation Research Part B: Methodological</i> , 2021 , 149, 322-346	7.2	2
236	Customized bus service design for uncertain commuting travel demand. <i>Transportmetrica A: Transport Science</i> , 2021 , 17, 1405-1430	2.5	8
235	Optimizing voyage charterparty (VCP) arrangement: Laytime negotiation and operations coordination. <i>European Journal of Operational Research</i> , 2021 , 291, 263-270	5.6	2
234	An Optimal Dynamic Lane Reversal and Traffic Control Strategy for Autonomous Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-12	6.1	1

233	Scheduling of Liner Container Shipping Services 2021 , 335-343		1
232	A two-stage stochastic nonlinear integer-programming model for slot allocation of a liner container shipping service. <i>Transportation Research Part B: Methodological</i> , 2021 , 150, 143-160	7.2	4
231	Feeder vessel routing and transshipment coordination at a congested hub port. <i>Transportation Research Part B: Methodological</i> , 2021 , 151, 1-21	7.2	5
230	Autonomous truck scheduling for container transshipment between two seaport terminals considering platooning and speed optimization. <i>Transportation Research Part B: Methodological</i> , 2021 , 154, 289-315	7.2	2
229	Capacity analysis of ship-tugging operations in a large container port. <i>Asian Transport Studies</i> , 2020 , 6, 100011	0.6	2
228	Tugboat scheduling under ship arrival and tugging process time uncertainty. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020 , 144, 102125	9	9
227	Tugboat scheduling for container ports. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020 , 142, 102071	9	11
226	Semi-liner Shipping Service Design. <i>Transportation Science</i> , 2020 , 54, 1288-1306	4.4	4
225	Optimal purchase subsidy design for human-driven electric vehicles and autonomous electric vehicles. <i>Transportation Research Part C: Emerging Technologies</i> , 2020 , 116, 102641	8.4	5
224	A discrete day-to-day link flow dynamic model considering travelers' heterogeneous inertia patterns. <i>Transportmetrica A: Transport Science</i> , 2020 , 16, 1400-1428	2.5	1
223	Bus driver scheduling enhancement: a derandomizing approach for uncertain bus trip times. <i>Transportmetrica B</i> , 2020 , 8, 200-218	1.8	3
222	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> , 2020 , 9, 40	2.9	9
221	Ridesharing user equilibrium problem under OD-based surge pricing strategy. <i>Transportation Research Part B: Methodological</i> , 2020 , 134, 1-24	7.2	38
220	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> , 2020 , 134, 101829	9	6
219	Optimal deployment of charging stations considering path deviation and nonlinear elastic demand. <i>Transportation Research Part B: Methodological</i> , 2020 , 135, 120-142	7.2	21
218	Regional multimodal logistics network design considering demand uncertainty and CO2 emission reduction target: A system-optimization approach. <i>Journal of Cleaner Production</i> , 2020 , 248, 119304	10.3	20
217	Network-level energy consumption estimation for electric vehicles considering vehicle and user heterogeneity. <i>Transportation Research, Part A: Policy and Practice</i> , 2020 , 132, 30-46	3.7	2
216	Joint Scheduling of Vessel Traffic and Pilots in Seaport Waters. <i>Transportation Science</i> , 2020 , 54, 1495-1515	11.5	8

215	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> , 2020 , 119, 102761	8.4	9
214	Public bus service contracting: A critical review and future research opportunities. <i>Research in Transportation Economics</i> , 2020 , 83, 100938	2.4	7
213	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> , 2020 , 119, 102731	8.4	5
212	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> , 2020 , 209, 107471	3.9	0
211	Solving the first-mile ridesharing problem using autonomous vehicles. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2020 , 35, 45-60	8.4	25
210	Optimal port call adjustment for liner container shipping routes. <i>Transportation Research Part B: Methodological</i> , 2019 , 128, 107-128	7.2	12
209	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> , 2019 , 15, 1124-1144	2.5	14
208	How do ships pass through L-shaped turnings in the Singapore strait?. <i>Ocean Engineering</i> , 2019 , 182, 329-342	3.9	12
207	Optimal vessel speed and fleet size for industrial shipping services under the emission control area regulation. <i>Transportation Research Part C: Emerging Technologies</i> , 2019 , 105, 37-53	8.4	31
206	Feeder Bus Timetable Design and Vehicle Size Setting in Peak Hour Demand Conditions. <i>Transportation Research Record</i> , 2019 , 2673, 321-332	1.7	11
205	Designing autonomous vehicle incentive program with uncertain vehicle purchase price. <i>Transportation Research Part C: Emerging Technologies</i> , 2019 , 103, 226-245	8.4	25
204	Stochastic ScheduleBased Optimization Model for Track Allocations in Large Railway Stations. <i>Journal of Transportation Engineering Part A: Systems</i> , 2019 , 145, 04019001	1.5	4
203	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> , 2019 , 101, 181-207	8.4	14
202	Bus and driver scheduling with mealtime windows for a single public bus route. <i>Transportation Research Part C: Emerging Technologies</i> , 2019 , 101, 145-160	8.4	26
201	Intercontinental Liner Shipping Service Design. <i>Transportation Science</i> , 2019 , 53, 344-364	4.4	18
200	Optimal price decisions for joint ventures between port operators and shipping lines under the congestion effect. <i>European Journal of Operational Research</i> , 2019 , 273, 695-707	5.6	12
199	Fleet sizing for one-way electric carsharing services considering dynamic vehicle relocation and nonlinear charging profile. <i>Transportation Research Part B: Methodological</i> , 2019 , 128, 23-49	7.2	34
198	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> , 2019 , 106, 243-263	8.4	10

197	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> , 2019 , 74, 142-153	6.4	8
196	Revenue management for container liner shipping services: Critical review and future research directions. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019 , 128, 280-292	9	34
195	Investigating user perception on autonomous vehicle (AV) based mobility-on-demand (MOD) services in Singapore using the logit kernel approach. <i>Transportation</i> , 2019 , 46, 2063-2080	4	5
194	Probabilistic ship domain with applications to ship collision risk assessment. <i>Ocean Engineering</i> , 2019 , 186, 106130	3.9	57
193	A tailored machine learning approach for urban transport network flow estimation. <i>Transportation Research Part C: Emerging Technologies</i> , 2019 , 108, 130-150	8.4	35
192	Parallel shuttle bus service design for planned mass rapid transit shutdown: The Singapore experience. <i>Transportation Research Part C: Emerging Technologies</i> , 2019 , 108, 340-356	8.4	10
191	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> , 2019 , 233, 35-47	0.8	7
190	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	7.2	52
189	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> , 2019 , 11, 119	1	
188	Integrated method for forecasting container slot booking in intercontinental liner shipping service. <i>Flexible Services and Manufacturing Journal</i> , 2019 , 31, 653-674	1.8	8
187	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> , 2019 , 119, 224-237	3.7	24
186	Big AIS data based spatial-temporal analyses of ship traffic in Singapore port waters. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019 , 129, 287-304	9	70
185	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> , 2018 , 107, 75-89	3.7	17
184	Tailored Wakeby-type distribution for random bus headway adherence ratio. <i>Transportation Research Part C: Emerging Technologies</i> , 2018 , 86, 220-244	8.4	13
183	Strategic integration of the inland port and shipping service for the ocean carrier. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2018 , 110, 90-109	9	16
182	Fundamental diagram of ship traffic in the Singapore Strait. <i>Ocean Engineering</i> , 2018 , 147, 340-354	3.9	34
181	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> , 2018 , 111, 60-82	7.2	89
180	Impacts of pavement deterioration and maintenance cost on Pareto-efficient contracts for highway franchising. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2018 , 113, 1-21	9	7

179	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> , 2018 , 89, 35-52	8.4	16
178	Short-term liner shipping bunker procurement with swap contracts. <i>Maritime Policy and Management</i> , 2018 , 45, 211-238	2.5	5
177	Determination of Minimum Distance to Obstacle Avoidance in the Singapore Strait. <i>Transportation Research Record</i> , 2018 , 2672, 73-80	1.7	6
176	Joint Ship Schedule Design and Sailing Speed Optimization for a Single Inland Shipping Service with Uncertain Dam Transit Time. <i>Transportation Science</i> , 2018 , 52, 1570-1588	4.4	18
175	Remote park-and-ride network equilibrium model and its applications. <i>Transportation Research Part B: Methodological</i> , 2018 , 117, 37-62	7.2	40
174	Joint berth allocation and quay crane assignment under different carbon taxation policies. <i>Transportation Research Part B: Methodological</i> , 2018 , 117, 18-36	7.2	34
173	A novel ship trajectory reconstruction approach using AIS data. <i>Ocean Engineering</i> , 2018 , 159, 165-174	3.9	56
172	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> , 2017 , 99, 138-166	7.2	55
171	Container liner fleet deployment: A systematic overview. <i>Transportation Research Part C: Emerging Technologies</i> , 2017 , 77, 389-404	8.4	47
170	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> , 2017 , 100, 17-37	9	21
169	Two-phase decomposition method for the last train departure time choice in subway networks. <i>Transportation Research Part B: Methodological</i> , 2017 , 104, 568-582	7.2	34
168	Quantitative analyses of highway franchising under build-operate-transfer scheme: Critical review and future research directions. <i>Transportation Research Part B: Methodological</i> , 2017 , 102, 105-123	7.2	11
167	Joint charging mode and location choice model for battery electric vehicle users. <i>Transportation Research Part B: Methodological</i> , 2017 , 103, 68-86	7.2	70
166	Mathematically calculating the transit time of cargo through a liner shipping network with various trans-shipment policies. <i>Maritime Policy and Management</i> , 2017 , 44, 248-270	2.5	15
165	A day-to-day route flow evolution process towards the mixed equilibria. <i>Transportation Research Part C: Emerging Technologies</i> , 2017 , 82, 210-228	8.4	20
164	Discrete intermodal freight transportation network design with route choice behavior of intermodal operators. <i>Transportation Research Part B: Methodological</i> , 2017 , 95, 76-104	7.2	40
163	Viability of transarctic shipping routes: a literature review from the navigational and commercial perspectives. <i>Maritime Policy and Management</i> , 2017 , 44, 16-41	2.5	58
162	Liner Ship Fleet Planning 2017 , 15-38		

161	Liner Ship Fleet Planning Problem With an Individual Chance-Constrained Service Level 2017 , 95-112		
160	Multiperiod Liner Ship Fleet Planning 2017 , 149-175		
159	Liner Ship Fleet Planning Problem With a Joint Chance-Constrained Service Level 2017 , 113-126		1
158	Is the Northern Sea Route attractive to shipping companies? Some insights from recent ship traffic data. <i>Marine Policy</i> , 2016 , 73, 53-60	3.5	37
157	Estimating link travel time functions for heterogeneous traffic flows on freeways. <i>Journal of Advanced Transportation</i> , 2016 , 50, 1683-1698	1.9	16
156	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> , 2016 , 69, 276-290	8.4	16
155	Liner container assignment model with transit-time-sensitive container shipment demand and its applications. <i>Transportation Research Part B: Methodological</i> , 2016 , 90, 135-155	7.2	24
154	Shipping log data based container ship fuel efficiency modeling. <i>Transportation Research Part B: Methodological</i> , 2016 , 83, 207-229	7.2	69
153	Delimiting port hinterlands based on intermodal network flows: Model and algorithm. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2016 , 88, 32-51	9	34
152	Shipping efficiency comparison between Northern Sea Route and the conventional Asia-Europe shipping route via Suez Canal. <i>Journal of Transport Geography</i> , 2016 , 57, 241-249	5.2	68
151	Itinerary provision and pricing in container liner shipping revenue management. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015 , 77, 135-146	9	19
150	Carrying capacity procurement of rail and shipping services for automobile delivery with uncertain demand. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015 , 82, 38-54	9	13
149	Liner container seasonal shipping revenue management. <i>Transportation Research Part B: Methodological</i> , 2015 , 82, 141-161	7.2	61
148	Bus schedule coordination for the last train service in an intermodal bus-and-train transport network. <i>Transportation Research Part C: Emerging Technologies</i> , 2015 , 60, 360-376	8.4	27
147	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	7.2	36
146	Budgeting Fuel Consumption of Container Ship over Round-Trip Voyage through Robust Optimization. <i>Transportation Research Record</i> , 2015 , 2477, 68-75	1.7	15
145	Big DataBased Estimation for Ship Safety Distance Distribution in Port Waters. <i>Transportation Research Record</i> , 2015 , 2479, 16-24	1.7	20
144	Bunker Procurement Planning for Container Liner Shipping Companies: Multistage Stochastic Programming Approach. <i>Transportation Research Record</i> , 2015 , 2479, 60-68	1.7	6

143	Incorporating work zone configuration factors into speed-flow and capacity models. <i>Journal of Advanced Transportation</i> , 2015 , 49, 371-384	1.9	12
142	Multi-period liner ship fleet planning with dependent uncertain container shipment demand. <i>Maritime Policy and Management</i> , 2015 , 42, 43-67	2.5	23
141	Optimal Parking Pricing in Many-to-One Park-and-Ride Network with Parking Space Constraints. <i>Transportation Research Record</i> , 2015 , 2498, 99-108	1.7	7
140	Liner hub-and-spoke shipping network design. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015 , 75, 32-48	9	60
139	Segment-based alteration for container liner shipping network design. <i>Transportation Research Part B: Methodological</i> , 2015 , 72, 128-145	7.2	24
138	Robust bunker management for liner shipping networks. <i>European Journal of Operational Research</i> , 2015 , 243, 789-797	5.6	43
137	Impact analysis of maritime cabotage legislations on liner hub-and-spoke shipping network design. <i>European Journal of Operational Research</i> , 2014 , 234, 874-884	5.6	34
136	Global intermodal liner shipping network design. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014 , 61, 28-39	9	54
135	A note on hotspot identification for urban expressways. <i>Safety Science</i> , 2014 , 66, 87-91	5.8	37
134	A bi-objective optimization approach for exclusive bus lane selection and scheduling design. <i>Engineering Optimization</i> , 2014 , 46, 987-1007	2	30
133	Development of a subway operation incident delay model using accelerated failure time approaches. <i>Accident Analysis and Prevention</i> , 2014 , 73, 12-9	6.1	28
132	Game-theoretical models for competition analysis in a new emerging liner container shipping market. <i>Transportation Research Part B: Methodological</i> , 2014 , 70, 201-227	7.2	50
131	Optimal joint distance and time toll for cordon-based congestion pricing. <i>Transportation Research Part B: Methodological</i> , 2014 , 69, 81-97	7.2	64
130	Simultaneous optimization of schedule coordination and cargo allocation for liner container shipping networks. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014 , 70, 261-273	7.3	22
129	Analysis of work zone rear-end crash risk for different vehicle-following patterns. <i>Accident Analysis and Prevention</i> , 2014 , 72, 449-57	6.1	35
128	Analysis with Automatic Identification System Data of Vessel Traffic Characteristics in the Singapore Strait. <i>Transportation Research Record</i> , 2014 , 2426, 33-43	1.7	27
127	Toll pricing framework under logit-based stochastic user equilibrium constraints. <i>Journal of Advanced Transportation</i> , 2014 , 48, 1121-1137	1.9	20
126	Containership Routing and Scheduling in Liner Shipping: Overview and Future Research Directions. <i>Transportation Science</i> , 2014 , 48, 265-280	4.4	288

125	Modelling impacts of adverse weather conditions on activity-travel pattern scheduling in multi-modal transit networks. <i>Transportmetrica B</i> , 2014 , 2, 151-167	1.8	19
124	Liner shipping network design with deadlines. <i>Computers and Operations Research</i> , 2014 , 41, 140-149	4.6	51
123	Vehicle headway distribution in work zones. <i>Transportmetrica A: Transport Science</i> , 2014 , 10, 285-303	2.5	18
122	Variational inequality model for cordon-based congestion pricing under side constrained stochastic user equilibrium conditions. <i>Transportmetrica A: Transport Science</i> , 2014 , 10, 693-704	2.5	19
121	Park-and-Ride Network Equilibrium with Heterogeneous Commuters and Parking Space Constraint. <i>Transportation Research Record</i> , 2014 , 2466, 87-97	1.7	12
120	Optimal Automobile Distribution Model in Multimodal Freight Transportation Networks. <i>Transportation Research Record</i> , 2014 , 2410, 50-57	1.7	1
119	Rear-end crash potential estimation in the work zone merging areas. <i>Journal of Advanced Transportation</i> , 2014 , 48, 238-249	1.9	27
118	Bus-based park-and-ride system: a stochastic model on multimodal network with congestion pricing schemes. <i>International Journal of Systems Science</i> , 2014 , 45, 994-1006	2.3	49
117	Asymmetric stochastic user equilibrium problem with elastic demand and link capacity constraints. <i>Transportmetrica A: Transport Science</i> , 2014 , 10, 304-326	2.5	24
116	Global optimization methods for the discrete network design problem. <i>Transportation Research Part B: Methodological</i> , 2013 , 50, 42-60	7.2	135
115	Risk management in liner ship fleet deployment: A joint chance constrained programming model. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2013 , 60, 1-12	9	31
114	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	9	38
113	Reversing port rotation directions in a container liner shipping network. <i>Transportation Research Part B: Methodological</i> , 2013 , 50, 61-73	7.2	35
112	Container routing in liner shipping. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2013 , 49, 1-7	9	44
111	Bus dwell time estimation at bus bays: A probabilistic approach. <i>Transportation Research Part C: Emerging Technologies</i> , 2013 , 36, 61-71	8.4	77
110	Uncertainty analysis of accident notification time and emergency medical service response time in work zone traffic accidents. <i>Traffic Injury Prevention</i> , 2013 , 14, 150-8	1.8	14
109	Tree-based logistic regression approach for work zone casualty risk assessment. <i>Risk Analysis</i> , 2013 , 33, 493-504	3.9	23
108	Fundamental properties of volume-capacity ratio of a private toll road in general networks. <i>Transportation Research Part B: Methodological</i> , 2013 , 47, 77-86	7.2	21

107	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	7.2	25
106	Containership scheduling with transit-time-sensitive container shipment demand. <i>Transportation Research Part B: Methodological</i> , 2013 , 54, 68-83	7.2	44
105	Estimating capacity and traffic delay in work zones: An overview. <i>Transportation Research Part C: Emerging Technologies</i> , 2013 , 35, 34-45	8.4	27
104	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	9	87
103	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> , 2013 , 29, 72-83	8.4	5
102	Estimation of number of fatalities caused by toxic gases due to fire in road tunnels. <i>Accident Analysis and Prevention</i> , 2013 , 50, 616-21	6.1	15
101	Speed-based toll design for cordon-based congestion pricing scheme. <i>Transportation Research Part C: Emerging Technologies</i> , 2013 , 31, 83-98	8.4	89
100	Transit Assignment Model Incorporating Bus Dwell Time. <i>Transportation Research Record</i> , 2013 , 2352, 76-83	1.7	9
99	On the weighting of the mean-absolute-deviation cost minimization model. <i>Journal of the Operational Research Society</i> , 2013 , 64, 622-628	2	5
98	Optimal subwork zone operational strategy for short-term work zone projects in four-lane two-way freeways. <i>Journal of Advanced Transportation</i> , 2013 , 47, 151-169	1.9	10
97	Robust Optimization Model of Bus Transit Network Design with Stochastic Travel Time. <i>Journal of Transportation Engineering</i> , 2013 , 139, 625-634		77
96	Systematic Network Design for Liner Shipping Services. <i>Transportation Research Record</i> , 2013 , 2330, 16-23		5
95	Development and applications of a simulation model for vessels in the Singapore Straits. <i>Expert Systems With Applications</i> , 2012 , 39, 8430-8438	7.8	37
94	Effects of environment, vehicle and driver characteristics on risky driving behavior at work zones. <i>Safety Science</i> , 2012 , 50, 1034-1042	5.8	41
93	Impact analysis of cordon-based congestion pricing on mode-split for a bimodal transportation network. <i>Transportation Research Part C: Emerging Technologies</i> , 2012 , 21, 134-147	8.4	58
92	A computational model for the probit-based dynamic stochastic user optimal traffic assignment problem. <i>Journal of Advanced Transportation</i> , 2012 , 46, 80-94	1.9	13
91	Analyses and Implications of Accidents in Singapore Strait. <i>Transportation Research Record</i> , 2012 , 2273, 106-111	1.7	28
90	Ensemble Tree Approach to Estimating Work Zone Capacity. <i>Transportation Research Record</i> , 2012 , 2286, 56-67	1.7	15

89	A global optimization method for continuous network design problems. <i>Transportation Research Part B: Methodological</i> , 2012 , 46, 1144-1158	7.2	54
88	Mathematical models and computational algorithms for probit-based asymmetric stochastic user equilibrium problem with elastic demand. <i>Transportmetrica</i> , 2012 , 8, 261-290		40
87	Liner ship route schedule design with sea contingency time and port time uncertainty. <i>Transportation Research Part B: Methodological</i> , 2012 , 46, 615-633	7.2	150
86	Robust optimization model of schedule design for a fixed bus route. <i>Transportation Research Part C: Emerging Technologies</i> , 2012 , 25, 113-121	8.4	88
85	The economic importance of the Straits of Malacca and Singapore: An extreme-scenario analysis. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2012 , 48, 258-265	9	50
84	Liner ship fleet deployment with container transshipment operations. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2012 , 48, 470-484	9	101
83	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	9	262
82	Optimal distance tolls under congestion pricing and continuously distributed value of time. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2012 , 48, 937-957	9	80
81	Robust schedule design for liner shipping services. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2012 , 48, 1093-1106	9	98
80	Liner ship fleet deployment with week-dependent container shipment demand. <i>European Journal of Operational Research</i> , 2012 , 222, 241-252	5.6	57
79	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	5.6	103
78	Estimation of rear-end vehicle crash frequencies in urban road tunnels. <i>Accident Analysis and Prevention</i> , 2012 , 48, 254-63	6.1	114
77	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> , 2012 , 42, 1454-1464		27
76	An overview of maritime waterway quantitative risk assessment models. <i>Risk Analysis</i> , 2012 , 32, 496-512	3.9	142
75	Vessel Collision Frequency Estimation in the Singapore Strait. <i>Journal of Navigation</i> , 2012 , 65, 207-221	2.3	95
74	Classification and Regression Tree Approach for Predicting Drivers[Merging Behavior in Short-Term Work Zone Merging Areas. <i>Journal of Transportation Engineering</i> , 2012 , 138, 1062-1070		39
73	Network Design for Shipping Service of Large-Scale Intermodal Liners. <i>Transportation Research Record</i> , 2012 , 2269, 42-50	1.7	26
72	Robust Optimization Model for Liner Ship Fleet Planning with Container Transshipment and Uncertain Demand. <i>Transportation Research Record</i> , 2012 , 2273, 18-28	1.7	11

71	Intermodal hub-and-spoke network design: Incorporating multiple stakeholders and multi-type containers. <i>Transportation Research Part B: Methodological</i> , 2011 , 45, 724-742	7.2	125
70	The impact of landbridge on the market shares of Asian ports. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2011 , 47, 190-203	9	15
69	A scenario-based dynamic programming model for multi-period liner ship fleet planning. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2011 , 47, 401-413	9	60
68	Liner shipping service network design with empty container repositioning. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2011 , 47, 695-708	9	160
67	Quantitative risk assessment modeling for nonhomogeneous urban road tunnels. <i>Risk Analysis</i> , 2011 , 31, 382-403	3.9	36
66	QRA model-based risk impact analysis of traffic flow in urban road tunnels. <i>Risk Analysis</i> , 2011 , 31, 1872-82	3.9	29
65	An improved cellular automata model for heterogeneous work zone traffic. <i>Transportation Research Part C: Emerging Technologies</i> , 2011 , 19, 1263-1275	8.4	65
64	Optimal operating strategy for a long-haul liner service route. <i>European Journal of Operational Research</i> , 2011 , 215, 105-114	5.6	77
63	Ship collision risk assessment for the Singapore Strait. <i>Accident Analysis and Prevention</i> , 2011 , 43, 2030-2036	20.36	169
62	A note on liner ship fleet deployment. <i>Flexible Services and Manufacturing Journal</i> , 2011 , 23, 422-430	1.8	36
61	Trial-and-error method for congestion pricing scheme under side-constrained probit-based stochastic user equilibrium conditions. <i>Transportation</i> , 2011 , 38, 819-843	4	28
60	Evaluation of rear-end crash risk at work zone using work zone traffic data. <i>Accident Analysis and Prevention</i> , 2011 , 43, 1291-300	6.1	84
59	Schedule Design and Container Routing in Liner Shipping. <i>Transportation Research Record</i> , 2011 , 2222, 25-33	1.7	57
58	Decision TreeBased Model for Estimation of Work Zone Capacity. <i>Transportation Research Record</i> , 2011 , 2257, 40-50	1.7	25
57	Analysis of driver casualty risk for different work zone types. <i>Accident Analysis and Prevention</i> , 2011 , 43, 1811-7	6.1	39
56	Design and implementation of a quantitative risk assessment software tool for Singapore road tunnels. <i>Expert Systems With Applications</i> , 2011 , 38, 13827-13827	7.8	21
55	A Genetic algorithm approach to assessing work zone casualty risk. <i>Safety Science</i> , 2011 , 49, 1283-1288	5.8	17
54	Modeling speed-flow relationship and merging behavior in work zone merging areas. <i>Transportation Research Part C: Emerging Technologies</i> , 2011 , 19, 985-996	8.4	49

53	Distributed computing approaches for large-scale probit-based stochastic user equilibrium problems. <i>Journal of Advanced Transportation</i> , 2011 , n/a-n/a	1.9	16
52	A probabilistic quantitative risk assessment model for fire in road tunnels with parameter uncertainty. <i>International Journal of Reliability and Safety</i> , 2011 , 5, 285	0.9	4
51	Intermodal Container Flow Simulation Model and Its Applications. <i>Transportation Research Record</i> , 2011 , 2224, 35-41	1.7	7
50	A LINEARIZED APPROACH FOR LINER SHIP FLEET PLANNING WITH DEMAND UNCERTAINTY 2011 , 229-256		1
49	Origin-Based Partial Linearization Method for the Stochastic User Equilibrium Traffic Assignment Problem. <i>Journal of Transportation Engineering</i> , 2010 , 136, 52-60		13
48	A chance constrained programming model for short-term liner ship fleet planning problems. <i>Maritime Policy and Management</i> , 2010 , 37, 329-346	2.5	82
47	Cellular Automata Model for Work Zone Traffic. <i>Transportation Research Record</i> , 2010 , 2188, 131-139	1.7	27
46	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> , 2010 , 46, 76-89	9	96
45	Utility-Based Estimation of Probabilistic Port Hinterland for Networks of Intermodal Freight Transportation. <i>Transportation Research Record</i> , 2010 , 2168, 53-62	1.7	4
44	Counting the different efficient paths for transportation networks and its applications. <i>Journal of Advanced Transportation</i> , 2010 , 39, 193-220	1.9	15
43	Road pricing for congestion control with unknown demand and cost functions. <i>Transportation Research Part C: Emerging Technologies</i> , 2010 , 18, 157-175	8.4	61
42	The process of information propagation in a traffic stream with a general vehicle headway: A revisit. <i>Transportation Research Part C: Emerging Technologies</i> , 2010 , 18, 367-375	8.4	28
41	A Pareto-optimization approach for a fair ramp metering. <i>Transportation Research Part C: Emerging Technologies</i> , 2010 , 18, 489-506	8.4	25
40	A probabilistic quantitative risk assessment model for the long-term work zone crashes. <i>Accident Analysis and Prevention</i> , 2010 , 42, 1866-77	6.1	56
39	Self-Similar Characteristics of Vehicle Arrival Pattern on Highways. <i>Journal of Transportation Engineering</i> , 2009 , 135, 864-872		13
38	Competitive facility location on decentralized supply chains. <i>European Journal of Operational Research</i> , 2009 , 196, 487-499	5.6	40
37	A decision support system for vehicle relocation operations in carsharing systems. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2009 , 45, 149-158	9	222
36	Impact of Land Bridge on Port Market Area: Model Development and Scenario Analysis. <i>Transportation Research Record</i> , 2009 , 2097, 78-87	1.7	4

35	Sensitivity Analysis of Logit-Based Stochastic User Equilibrium Network Flows with Entry-Exit Toll Schemes. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2008 , 23, 138-156	8.4	15
34	Continuous-time dynamic network yield management with demand driven dispatch in the airline industry. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2008 , 44, 1052-1073	9	11
33	Microscopic Traffic Simulation Model-Based Optimization Approach for the Contraflow Lane Configuration Problem. <i>Journal of Transportation Engineering</i> , 2008 , 134, 41-49		37
32	Optimizing Contraflow Scheduling Problem: Model and Algorithm. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2008 , 12, 126-138	3.2	26
31	Optimisation of contraflow operations: Model and algorithm. <i>IES Journal Part A: Civil and Structural Engineering</i> , 2008 , 1, 291-300		1
30	General stochastic user equilibrium traffic assignment problem with link capacity constraints. <i>Journal of Advanced Transportation</i> , 2008 , 42, 429-465	1.9	30
29	Distance-constrained capacitated vehicle routing problems with flexible assignment of start and end depots. <i>Mathematical and Computer Modelling</i> , 2008 , 47, 140-152		48
28	Deployment strategies of double-rail-mounted gantry crane systems for loading outbound containers in container terminals. <i>International Journal of Production Economics</i> , 2008 , 115, 221-228	9.3	55
27	Scheduling of two-transtainer systems for loading outbound containers in port container terminals with simulated annealing algorithm. <i>International Journal of Production Economics</i> , 2007 , 107, 115-124	9.3	115
26	Urban Expressway-Arterial Corridor On-Line Control System Based on Advanced Traveler Information System. <i>Transportation Research Record</i> , 2007 , 2000, 44-50	1.7	1
25	Stackelberg games and multiple equilibrium behaviors on networks. <i>Transportation Research Part B: Methodological</i> , 2007 , 41, 841-861	7.2	68
24	A note on supply chain network equilibrium models. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2007 , 43, 60-71	9	33
23	Equity based land-use and transportation problem. <i>Journal of Advanced Transportation</i> , 2006 , 40, 75-93	1.9	20
22	Trial-and-Error Procedure for Implementing a Road-Pricing Scheme. <i>Transportation Research Record</i> , 2005 , 1923, 103-109	1.7	10
21	Multiobjective Vehicle Routing and Scheduling Problem with Time Window Constraints in Hazardous Material Transportation. <i>Journal of Transportation Engineering</i> , 2005 , 131, 699-707		52
20	A Sequential Experimental Approach for Analyzing Second-best Road Pricing with Unknown Demand Functions 2005 , 23-42		4
19	Logit-Based Stochastic User Equilibrium Problem for Entry-Exit Toll Schemes. <i>Journal of Transportation Engineering</i> , 2004 , 130, 805-813		9
18	Modeling private highways in networks with entry-Exit based toll charges. <i>Transportation Research Part B: Methodological</i> , 2004 , 38, 191-213	7.2	45

17	Trial-and-error implementation of marginal-cost pricing on networks in the absence of demand functions. <i>Transportation Research Part B: Methodological</i> , 2004 , 38, 477-493	7.2	88
16	Transportation Network Optimization Problems with Stochastic User Equilibrium Constraints. <i>Transportation Research Record</i> , 2004 , 1882, 113-119	1.7	15
15	Decision Analysis of Statistically Detecting Distributed Denial-of-Service Flooding Attacks. <i>International Journal of Information Technology and Decision Making</i> , 2003 , 02, 397-405	2.8	15
14	Profitability and welfare gain of private toll roads in a network with heterogeneous users. <i>Transportation Research, Part A: Policy and Practice</i> , 2002 , 36, 537-554	3.7	11
13	Benefit distribution and equity in road network design. <i>Transportation Research Part B: Methodological</i> , 2002 , 36, 19-35	7.2	120
12	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> , 2002 , 36, 659-663	3.7	27
11	Simultaneous Estimation of the Origin-Destination Matrices and Travel-Cost Coefficient for Congested Networks in a Stochastic User Equilibrium. <i>Transportation Science</i> , 2001 , 35, 107-123	4.4	69
10	Value-of-time distributions and competitive bus services. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2001 , 37, 411-424	9	29
9	Modeling user adoption of advanced traveler information systems: dynamic evolution and stationary equilibrium. <i>Transportation Research, Part A: Policy and Practice</i> , 2001 , 35, 895-912	3.7	14
8	A Combined Land-Use and Transportation Model for Work Trips. <i>Environment and Planning B: Planning and Design</i> , 2000 , 27, 93-103		10
7	Modeling the capacity and level of service of urban transportation networks. <i>Transportation Research Part B: Methodological</i> , 2000 , 34, 255-275	7.2	111
6	Highway pricing and capacity choice in a road network under a build-operate-transfer scheme. <i>Transportation Research, Part A: Policy and Practice</i> , 2000 , 34, 207-222	3.7	40
5	Departure time, route choice and congestion toll in a queuing network with elastic demand. <i>Transportation Research Part B: Methodological</i> , 1998 , 32, 247-260	7.2	96
4	An Integrated Network Equilibrium Model of Urban Location and Travel Choices. <i>Journal of Regional Science</i> , 1998 , 38, 575-598	1.8	11
3	Trial-and-Error Procedure for Implementing a Road-Pricing Scheme		13
2	Robust container slot allocation with uncertain demand for liner shipping services. <i>Flexible Services and Manufacturing Journal</i> , 1	1.8	0
1	Dynamic tugboat scheduling for container ports. <i>Maritime Policy and Management</i> , 1-23	2.5	2