Kjetil Fagerholt

List of Publications by Year in Descending Order

97 papers	3,545 citations	28 h-index	58 g-index
103 ext. papers	4,077 ext. citations	4.1 avg, IF	5.86 L-index

#	Paper	IF	Citations
97	Optimal ship lifetime fuel and power system selection. *Transportation Research, Part D: Transport and Environment*, **2022**, 102, 103145	6.4	5
96	The fish feed production routing problem. *Computers and Operations Research*, **2022**, 105806	4.6	0
95	The Dynamic Electric Carsharing Relocation Problem. *EURO Journal on Transportation and Logistics*, **2021**, 10, 100055	2.4	3
94	A multi-period analysis of the integrated item-sharing and crowdshipping problem. *European Journal of Operational Research*, **2021**, 292, 483-499	5.6	5
93	An economic analysis of introducing autonomous ships in a short-sea liner shipping network. *International Transactions in Operational Research*, **2021**, 28, 1740-1764	2.9	13
92	Reducing sulfur and nitrogen emissions in shipping economically. *Transportation Research, Part D: Transport and Environment*, **2021**, 90, 102641	6.4	9
91	Step-wise stowage planning of roll-on roll-off ships transporting dangerous goods. *Maritime Transport Research*, **2021**, 2, 100029	1	0
90	The aquaculture service vessel routing problem with time dependent travel times and synchronization constraints. *Computers and Operations Research*, **2021**, 134, 105316	4.6	2
89	Evaluating the potential for modal shift in last-mile cargo distribution through stochastic programming. *Maritime Transport Research*, **2020**, 1, 100002	1	0
88	Operational sea passage scenario generation for virtual testing of ships using an optimization for simulation approach. *Journal of Marine Science and Technology*, **2020**, 26, 896	1.7	
87	Optimisation of the broiler production supply chain. *International Journal of Production Research*, **2020**, 58, 5218-5237	7.8	7
86	Analyzing different designs of liner shipping feeder networks: A case study. *Transportation Research, Part E: Logistics and Transportation Review*, **2020**, 134, 101839	9	4
85	Analysing the modal shift from road-based to coastal shipping-based distribution a case study of outbound automotive logistics in India. *Maritime Policy and Management*, **2020**, 47, 273-286	2.5	12
84	Evaluating Port Development Strategies for a Modal Shift: A Norwegian Case Study. *Lecture Notes in Computer Science*, **2020**, 3-17	0.9	1
83	Industrial and tramp ship routing problems: Closing the gap for real-scale instances. *European Journal of Operational Research*, **2020**, 283, 972-990	5.6	10
82	A decomposition solution approach to the troops-to-tasks assignment in military peacekeeping operations. *Journal of Defense Modeling and Simulation*, **2020**, 17, 357-371	0.4	1
81	Design of a sustainable maritime multi-modal distribution network Case study from automotive logistics. *Transportation Research, Part E: Logistics and Transportation Review*, **2020**, 143, 102086	9	10

80	Combining Optimization and Simulation for Designing a Robust Short-Sea Feeder Network. *Algorithms*, **2020**, 13, 304	1.8	2
79	Combined maritime fleet deployment and inventory management with port visit flexibility in roll-on roll-off shipping. *Transportation Research, Part E: Logistics and Transportation Review*, **2020**, 140, 101988	9	6
78	An adaptive large neighborhood search heuristic for the planar storage location assignment problem: application to stowage planning for Roll-on Roll-off ships. *Journal of Heuristics*, **2020**, 26, 885-912	1.9	3
77	A semi-smart predict then optimize (semi-SPO) method for efficient ship inspection. *Transportation Research Part B: Methodological*, **2020**, 142, 100-125	7.2	15
76	Optimal charging and repositioning of electric vehicles in a free-floating carsharing system. *Computers and Operations Research*, **2020**, 113, 104771	4.6	39
75	Impact of simulation model fidelity and simulation method on ship operational performance evaluation in sea passage scenarios. *Ocean Engineering*, **2019**, 188, 106268	3.9	7
74	An exact solution method for the capacitated item-sharing and crowdshipping problem. *European Journal of Operational Research*, **2019**, 279, 589-604	5.6	16
73	Planning interrelated voyages with separation requirements in roll-on roll-off shipping. *EURO Journal on Transportation and Logistics*, **2019**, 8, 633-659	2.4	2
72	Scheduling two-way ship traffic for the Kiel Canal: Model, extensions and a matheuristic. *Computers and Operations Research*, **2019**, 106, 119-132	4.6	8
71	Green Tramp Shipping Routing and Scheduling: Effects of Market-Based Measures on CO2 Reduction **2019**, 285-305		2
70	Shortsea liner network design with transhipments at sea: a case study from Western Norway. *Flexible Services and Manufacturing Journal*, **2019**, 31, 598-619	1.8	11
69	Bi-objective offshore supply vessel planning with costs and persistence objectives. *Computers and Operations Research*, **2019**, 111, 285-296	4.6	4
68	A variable neighbourhood search heuristic for disruption management in offshore oil and gas logistics. *Journal of the Operational Research Society*, **2019**, 70, 588-600	2	1
67	A traveling salesman problem with pickups and deliveries and stochastic travel times: An application from chemical shipping. *European Journal of Operational Research*, **2018**, 269, 844-859	5.6	13
66	A two-phase heuristic for an in-port ship routing problem with tank allocation. *Computers and Operations Research*, **2018**, 91, 37-47	4.6	7
65	A genetic search-based heuristic for a fleet size and periodic routing problem with application to offshore supply planning. *EURO Journal on Transportation and Logistics*, **2018**, 7, 121-150	2.4	11
64	Which uncertainty is important in multistage stochastic programmes? A case from maritime transportation. *IMA Journal of Management Mathematics*, **2017**, 28, 5-17	1.4	10
63	Base location and helicopter fleet composition in the oil industry. *Infor*, **2017**, 55, 71-92	0.5	0

62	A New Formulation for the Combined Maritime Fleet Deployment and Inventory Management Problem. *Lecture Notes in Computer Science*, **2017**, 321-335	0.9	1
61	Vessel routing with pickups and deliveries: An application to the supply of offshore oil platforms. *Computers and Operations Research*, **2017**, 79, 140-147	4.6	20
60	Operational planning of routes and schedules for a fleet of fuel supply vessels. *Transportation Research, Part E: Logistics and Transportation Review*, **2017**, 105, 163-175	9	13
59	A traveling salesman problem with pickups and deliveries, time windows and draft limits: Case study from chemical shipping. *Computers and Operations Research*, **2017**, 77, 20-31	4.6	20
58	Uncertainty in Fleet Renewal: A Case from Maritime Transportation. *Transportation Science*, **2016**, 50, 390-407	4.4	27
57	An adaptive large neighborhood search heuristic for fleet deployment problems with voyage separation requirements. *Transportation Research Part C: Emerging Technologies*, **2016**, 70, 129-141	8.4	12
56	Robust planning and disruption management in roll-on roll-off liner shipping. *Transportation Research, Part E: Logistics and Transportation Review*, **2016**, 91, 51-67	9	20
55	Combined fleet deployment and inventory management in roll-on/roll-off shipping. *Transportation Research, Part E: Logistics and Transportation Review*, **2016**, 92, 43-55	9	15
54	Optimization of diesel electric machinery system configuration in conceptual ship design. *Journal of Marine Science and Technology*, **2015**, 20, 406-416	1.7	24
53	Integrated maritime fleet deployment and speed optimization: Case study from RoRo shipping. *Computers and Operations Research*, **2015**, 55, 233-240	4.6	80
52	Maritime fleet deployment with voyage separation requirements. *Flexible Services and Manufacturing Journal*, **2015**, 27, 180-199	1.8	12
51	Optimized selection of vessel air emission controls□moving beyond cost-efficiency. *Maritime Policy and Management*, **2015**, 42, 362-376	2.5	20
50	Solving Hierarchical Stochastic Programs: Application to the Maritime Fleet Renewal Problem. *INFORMS Journal on Computing*, **2015**, 27, 89-102	2.4	18
49	The fleet renewal problem with regional emission limitations: Case study from Roll-on/Roll-off shipping. *Transportation Research Part C: Emerging Technologies*, **2015**, 56, 346-358	8.4	31
48	On two speed optimization problems for ships that sail in and out of emission control areas. *Transportation Research, Part D: Transport and Environment*, **2015**, 39, 56-64	6.4	80
47	Scheduling fighter squadron training missions using column generation. *Optimization Letters*, **2015**, 9, 1659-1674	1.1	2
46	Maritime routing and speed optimization with emission control areas. *Transportation Research Part C: Emerging Technologies*, **2015**, 52, 57-73	8.4	148
45	A stochastic programming formulation for strategic fleet renewal in shipping. *Transportation Research, Part E: Logistics and Transportation Review*, **2014**, 72, 60-76	9	20

44	Concurrent design of vessel machinery system and air emission controls to meet future air emissions regulations. *Ocean Engineering*, **2014**, 84, 283-292	3.9	25
43	Vendor managed inventory in tramp shipping. *Omega*, **2014**, 47, 60-72	7.2	24
42	Benchmark Suite for Industrial and Tramp Ship Routing and Scheduling Problems. *Infor*, **2014**, 52, 28-38	0.5	14
41	Chapter 13: Ship Routing and Scheduling in Industrial and Tramp Shipping **2014**, 381-408		11
40	A survey on maritime fleet size and mix problems. *European Journal of Operational Research*, **2014**, 235, 341-349	5.6	62
39	Routing and scheduling in project shipping. *Annals of Operations Research*, **2013**, 207, 67-81	3.2	6
38	Planning vessel air emission regulations compliance under uncertainty. *Journal of Marine Science and Technology*, **2013**, 18, 349-357	1.7	16
37	Ship routing and scheduling in the new millennium. *European Journal of Operational Research*, **2013**, 228, 467-483	5.6	374
36	Vessel routing and scheduling under uncertainty in the liquefied natural gas business. *Computers and Industrial Engineering*, **2013**, 64, 290-301	6.4	36
35	Routing and scheduling in a liquefied natural gas shipping problem with inventory and berth constraints. *Annals of Operations Research*, **2013**, 203, 167-186	3.2	52
34	Heuristics for dynamic and stochastic routing in industrial shipping. *Computers and Operations Research*, **2013**, 40, 253-263	4.6	25
33	Bulk ship routing and scheduling: solving practical problems may provide better results. *Maritime Policy and Management*, **2013**, 40, 48-64	2.5	29
32	Analysis of an exact algorithm for the vessel speed optimization problem. *Networks*, **2013**, 62, 132-135	1.6	74
31	The Traveling Salesman Problem with Draft Limits. *Computers and Operations Research*, **2012**, 39, 2161-2167	1.67	27
30	Optimal fleet composition and periodic routing of offshore supply vessels. *European Journal of Operational Research*, **2012**, 223, 508-517	5.6	54
29	A construction and improvement heuristic for a liquefied natural gas inventory routing problem. *Computers and Industrial Engineering*, **2012**, 62, 245-255	6.4	56
28	Optimized selection of air emission controls for vessels. *Maritime Policy and Management*, **2012**, 39, 387-400	2.5	23
27	A Large Neighbourhood Search Heuristic for a Periodic Supply Vessel Planning Problem Arising in Offshore Oil and Gas Operations. *Infor*, **2012**, 50, 195-204	0.5	19

26	Some Thoughts on Research Directions for the Future: Introduction to the Special Issue in Maritime Transportation. *Infor*, **2011**, 49, 75-77	0.5	5
25	The Maritime Pickup and Delivery Problem with Time Windows and Split Loads. *Infor*, **2011**, 49, 79-91	0.5	28
24	Routing and scheduling of RoRo ships with stowage constraints. *Transportation Research Part C: Emerging Technologies*, **2011**, 19, 1225-1242	8.4	26
23	Ship routing and scheduling with cargo coupling and synchronization constraints. *Computers and Industrial Engineering*, **2011**, 61, 1107-1116	6.4	29
22	A large neighbourhood search heuristic for ship routing and scheduling with split loads. *Computers and Operations Research*, **2011**, 38, 474-483	4.6	55
21	Optimization of stowage plans for RoRo ships. *Computers and Operations Research*, **2011**, 38, 1425-1434	4.6	22
20	Maritime inventory routing with multiple products: A case study from the cement industry. *European Journal of Operational Research*, **2011**, 208, 86-94	5.6	80
19	Tramp ship routing and scheduling with speed optimization. *Transportation Research Part C: Emerging Technologies*, **2011**, 19, 853-865	8.4	189
18	A rolling horizon heuristic for creating a liquefied natural gas annual delivery program. *Transportation Research Part C: Emerging Technologies*, **2011**, 19, 896-911	8.4	81
17	A Ship Design and Deployment Model for Non-Cargo Vessels Using Contract Scenarios. *Ship Technology Research*, **2011**, 58, 132-141	1.6	5
16	A Decision Support Model for Minimising Sloshing Risk in LNG Discharge Operations. *Ship Technology Research*, **2010**, 57, 154-161	1.6	
15	A tabu search heuristic for ship routing and scheduling with flexible cargo quantities. *Journal of Heuristics*, **2010**, 16, 117-137	1.9	28
14	A decision support methodology for strategic planning in maritime transportation. *Omega*, **2010**, 38, 465-474	7.2	48
13	Fleet deployment in liner shipping: a case study. *Maritime Policy and Management*, **2009**, 36, 397-409	2.5	48
12	Tank allocation problems in maritime bulk shipping. *Computers and Operations Research*, **2009**, 36, 3051-3060	4.6	29
11	Ship Routing Scheduling with Persistence and Distance Objecives. *Lecture Notes in Economics and Mathematical Systems*, **2009**, 89-107	0.4	4
10	A multi-start local search heuristic for ship scheduling□ computational study. *Computers and Operations Research*, **2007**, 34, 900-917	4.6	64
9	Chapter 4 Maritime Transportation. *Handbooks in Operations Research and Management Science*, **2007**, 14, 189-284		156

8	A computer-based decision support system for vessel fleet scheduling—Experience and future research. *Decision Support Systems*, **2004**, 37, 35-47	5.6	89
7	Designing optimal routes in a liner shipping problem. *Maritime Policy and Management*, **2004**, 31, 259-268	2.5	106
6	Ship Routing and Scheduling: Status and Perspectives. *Transportation Science*, **2004**, 38, 1-18	4.4	489
5	Robust ship scheduling with multiple time windows. *Naval Research Logistics*, **2002**, 49, 611-625	1.5	63
4	Ship scheduling with soft time windows: An optimisation based approach. *European Journal of Operational Research*, **2001**, 131, 559-571	5.6	137
3	Evaluating the trade-off between the level of customer service and transportation costs in a ship scheduling problem. *Maritime Policy and Management*, **2000**, 27, 145-153	2.5	22
2	A simulation study on the design of flexible cargo holds in small-sized bulk ships. *Maritime Policy and Management*, **1999**, 26, 105-109	2.5	5
1	Coordinated approaches for Port State Control Inspection planning. *Maritime Policy and Management*,1-16	2.5	2