Marielle Christiansen

List of Publications by Citations

62 papers	3,415 citations	28 h-index	58 g-index
65 ext. papers	3,874 ext. citations	4.1 avg, IF	5.53 L-index

#	Paper	IF	Citations
62	Ship Routing and Scheduling: Status and Perspectives. *Transportation Science*, **2004**, 38, 1-18	4.4	489
61	Ship routing and scheduling in the new millennium. *European Journal of Operational Research*, **2013**, 228, 467-483	5.6	374
60	Industrial aspects and literature survey: Combined inventory management and routing. *Computers and Operations Research*, **2010**, 37, 1515-1536	4.6	317
59	Industrial aspects and literature survey: Fleet composition and routing. *Computers and Operations Research*, **2010**, 37, 2041-2061	4.6	214
58	Chapter 4 Maritime Transportation. *Handbooks in Operations Research and Management Science*, **2007**, 14, 189-284		156
57	Decomposition of a Combined Inventory and Time Constrained Ship Routing Problem. *Transportation Science*, **1999**, 33, 3-16	4.4	146
56	The robust vehicle routing problem with time windows. *Computers and Operations Research*, **2013**, 40, 856-866	4.6	113
55	A Branch-and-Price Method for a Liquefied Natural Gas Inventory Routing Problem. *Transportation Science*, **2010**, 44, 400-415	4.4	97
54	Service network design with management and coordination of multiple fleets. *European Journal of Operational Research*, **2009**, 193, 377-389	5.6	95
53	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
52	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
51	A method for solving ship routing problemswith inventory constraints. *Annals of Operations Research*, **1998**, 81, 357-378	3.2	78
50	Service network design with asset management: Formulations and comparative analyses. *Transportation Research Part C: Emerging Technologies*, **2009**, 17, 197-207	8.4	66
49	A multi-start local search heuristic for ship scheduling□ computational study. *Computers and Operations Research*, **2007**, 34, 900-917	4.6	64
48	Robust ship scheduling with multiple time windows. *Naval Research Logistics*, **2002**, 49, 611-625	1.5	63
47	A construction and improvement heuristic for a liquefied natural gas inventory routing problem. *Computers and Industrial Engineering*, **2012**, 62, 245-255	6.4	56
46	A maritime inventory routing problem: Discrete time formulations and valid inequalities. *Networks*, **2013**, 62, 297-314	1.6	54

45	Mixed Integer Formulations for a Short Sea Fuel Oil Distribution Problem. *Transportation Science*, **2013**, 47, 108-124	4.4	51
44	Branch and Price for Service Network Design with Asset Management Constraints. *Transportation Science*, **2011**, 45, 33-49	4.4	48
43	A maritime inventory routing problem with stochastic sailing and port times. *Computers and Operations Research*, **2015**, 61, 18-30	4.6	47
42	Modelling path flows for a combined ship routingand inventory management problem. *Annals of Operations Research*, **1998**, 82, 391-413	3.2	46
41	Hybrid heuristics for a short sea inventory routing problem. *European Journal of Operational Research*, **2014**, 236, 924-935	5.6	44
40	Modeling Norwegian petroleum productionand transportation. *Annals of Operations Research*, **1998** , 82, 251-268	3.2	39
39	A branch-price-and-cut method for a ship routing and scheduling problem with split loads. *Computers and Operations Research*, **2012**, 39, 3361-3375	4.6	38
38	Supply Chain Optimization for the Liquefied Natural Gas Business. *Lecture Notes in Economics and Mathematical Systems*, **2009**, 195-218	0.4	32
37	The pickup and delivery problem with time windows and occasional drivers. *Computers and Operations Research*, **2019**, 109, 122-133	4.6	31
36	Elkem Uses Optimization in Redesigning Its Supply Chain. *Interfaces*, **2006**, 36, 314-325	0.7	29
35	Robust Optimization for a Maritime Inventory Routing Problem. *Transportation Science*, **2018**, 52, 509-525	4.4	28
34	A new decomposition algorithm for a liquefied natural gas inventory routing problem. *International Journal of Production Research*, **2016**, 54, 564-578	7.8	28
33	The Maritime Pickup and Delivery Problem with Time Windows and Split Loads. *Infor*, **2011**, 49, 79-91	0.5	28
32	The Traveling Salesman Problem with Draft Limits. *Computers and Operations Research*, **2012**, 39, 2161-2167	4.6	27
31	Liner shipping network design. *European Journal of Operational Research*, **2020**, 286, 1-20	5.6	26
30	Strategic ambulance location for heterogeneous regions. *European Journal of Operational Research*, **2017**, 260, 122-133	5.6	24
29	An iterative two-phase hybrid matheuristic for a multi-product short sea inventory-routing problem. *European Journal of Operational Research*, **2016**, 252, 775-788	5.6	24
28	Inventory routing with pickups and deliveries. *European Journal of Operational Research*, **2018**, 268, 314-324	3.4	23

27	Comparing techniques for modelling uncertainty in a maritime inventory routing problem. *European Journal of Operational Research*, **2019**, 277, 831-845	5.6	19
26	A New Formulation Based on Customer Delivery Patterns for a Maritime Inventory Routing Problem. *Transportation Science*, **2015**, 49, 384-401	4.4	17
25	Discrete time and continuous time formulations for a short sea inventory routing problem. *Optimization and Engineering*, **2017**, 18, 269-297	2.1	16
24	Stochastic master surgery scheduling. *European Journal of Operational Research*, **2020**, 285, 695-711	5.6	16
23	Robust Inventory Ship Routing by Column Generation **2005**, 197-224		16
22	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
21	Combined ship routing and inventory management in the salmon farming industry. *Annals of Operations Research*, **2017**, 253, 799-823	3.2	14
20	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
19	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
18	Chapter 13: Ship Routing and Scheduling in Industrial and Tramp Shipping **2014**, 381-408		11
17	Using optimization to provide decision support for strategic emergency medical service planning - Three case studies. *International Journal of Medical Informatics*, **2020**, 133, 103975	5.3	11
16	Creating annual delivery programs of liquefied natural gas. *Optimization and Engineering*, **2017**, 18, 299-316	2.1	10
15	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
14	A deteriorating inventory routing problem for an inland liquefied natural gas distribution network. *Transportation Research Part B: Methodological*, **2019**, 126, 45-67	7.2	8
13	A branch-and-price method for a ship routing and scheduling problem with cargo coupling and synchronization constraints. *EURO Journal on Transportation and Logistics*, **2015**, 4, 421-443	2.4	8
12	A MIP Based Local Search Heuristic for a Stochastic Maritime Inventory Routing Problem. *Lecture Notes in Computer Science*, **2016**, 18-34	0.9	6
11	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
10	Some Thoughts on Research Directions for the Future: Introduction to the Special Issue in Maritime Transportation. *Infor*, **2011**, 49, 75-77	0.5	5

9	Designing a maritime supply chain for distribution of wood pellets: a case study from southern Norway. *Flexible Services and Manufacturing Journal*, **2017**, 29, 572-600	1.8	4
8	A Multi-product Maritime Inventory Routing Problem with Undedicated Compartments. *Lecture Notes in Computer Science*, **2016**, 3-17	0.9	3
7	Well management in the North Sea. *Annals of Operations Research*, **1993**, 43, 427-441	3.2	3
6	Improved models for a single vehicle continuous-time inventory routing problem with pickups and deliveries. *European Journal of Operational Research*, **2021**, 297, 164-164	5.6	3
5	Optimizing Jack-up vessel strategies for maintaining offshore wind farms. *Energy Procedia*, **2017**, 137, 291-298	2.3	2
4	Multi-objective optimization for a strategic ATM network redesign problem. *Annals of Operations Research*, **2021**, 296, 7-33	3.2	2
3	A New Formulation for the Combined Maritime Fleet Deployment and Inventory Management Problem. *Lecture Notes in Computer Science*, **2017**, 321-335	0.9	1
2	Block scheduling at magnetic resonance imaging labs. *Operations Research for Health Care*, **2018**, 18, 52-64	1.8	0
1	Investment planning for urban roads. *European Journal of Operational Research*, **1993**, 71, 257-268	5.6	