Mikael E RÃ¶nnqvist

List of Publications by Year
in descending order

95 papers	3,810 citations	147801 31 h-index	133252 59 g-index
99 all docs	99 docs citations	99 times ranked	2482 citing authors

#	Article	IF	Citations
1	Coordination, cooperation, and collaboration in production-inventory systems: a systematic literature review. International Journal of Production Research, 2023, 61, 5322-5353.	7.5	11
2	Evaluation of sourcing contracts in wood supply procurement using simulation. International Transactions in Operational Research, 2022, 29, 396-416.	2.7	0
3	Coalition formation in collaborative production and transportation with competing firms. European Journal of Operational Research, 2021, 289, 569-581.	5.7	16
4	Assessment of sustainable integration of new products into value chain through a generic decision support model: An application to the forest value chain. Omega, 2021, 99, 102173.	5.9	9
5	Spatial optimization of ground-based primary extraction routes using the BestWay decision support system. Canadian Journal of Forest Research, 2021, 51, 675-691.	1.7	19
6	An optimization model for selecting wood supply contracts. Canadian Journal of Forest Research, 2020, 50, 399-412.	1.7	3
7	Gameâ€”The Transportation Game. INFORMS Transactions on Education, 2020, 21, 52-63.	0.5	5
8	Selecting wood supply contracts under uncertainty using stochastic programming. Infor, 2020, , 1-21.	0.6	0
9	Integrated forest harvest planning and road-building model with consideration of economies of scale. Canadian Journal of Forest Research, 2020, 50, 989-1001.	1.7	1
10	A survey on obstacles and difficulties of practical implementation of horizontal collaboration in logistics. International Transactions in Operational Research, 2019, 26, 775-793.	2.7	68
11	Forest bioenergy network design under market uncertainty. Energy, 2019, 188, 116038.	8.8	13
12	A General Framework for Data Uncertainty and Quality Classification. IFAC-PapersOnLine, 2019, 52, 277-282.	0.9	7
13	Incitements for transportation collaboration by cost allocation. Central European Journal of Operations Research, 2019, 27, 1009-1032.	1.8	5
14	Sustainable forest management using decision theaters: Rethinking participatory planning. Journal of Cleaner Production, 2018, 179, 567-580.	9.3	24
15	Development of an economically sustainable and balanced tactical forest management plan: a case study in Quebec. Canadian Journal of Forest Research, 2018, 48, 197-207.	1.7	9
16	Minimizing spatial dispersion of forest harvest areas using spectral clustering and set covering modelling. Canadian Journal of Forest Research, 2018, 48, 1563-1576.	1.7	1
17	Collaborative transportation with overlapping coalitions. European Journal of Operational Research, 2018, 271, 238-249.	5.7	36
18	Timber selling policies using bundle-based auction: The case of public forests in QuÃ©bec. Forest Policy and Economics, 2018, 96, 9-18.	3.4	5

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19	Route optimization as an instrument to improve animal welfare and economics in pre-slaughter logistics. PLoS ONE, 2018, 13, e0193223.	2.5	11
20	Reallocation of Logistics Costs in a Cooperative Network of Sawmills. Computational Methods in Applied Sciences (Springer), 2018, , 171-183.	0.3	1
21	Coalitions in Collaborative Forest Transportation Across Multiple Areas. Lecture Notes in Business Information Processing, 2018, , 61-73.	1.0	0
22	Forest fibre network design with multiple assortments: a case study in Newfoundland. Canadian Journal of Forest Research, 2017, 47, 1232-1243.	1.7	10
23	Calibrated Route Finder: Improving the Safety, Environmental Consciousness, and Cost Effectiveness of Truck Routing in Sweden. Interfaces, 2017, 47, 372-395.	1.5	10
24	Detailed scheduling of harvest teams and robust use of harvest and transportation resources. Scandinavian Journal of Forest Research, 2016, 31, 681-690.	1.4	10
25	A model approach to include wood properties in log sorting and transportation planning. Infor, 2016, 54, 282-303.	0.6	3
26	Using Analytics in the Implementation of Vertical and Horizontal Curvature in Route Calculation. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 1772-1785.	8.0	10
27	A review on cost allocation methods in collaborative transportation. International Transactions in Operational Research, 2016, 23, 371-392.	2.7	183
28	Constructive and blocking power in collaborative transportation. OR Spectrum, 2016, 38, 25-50.	3.4	30
29	Considering Future Potential Regarding Structural Diversity in Selection of Forest Reserves. PLoS ONE, 2016, 11, e0148960.	2.5	8
30	Potential savings and cost allocations for forest fuel transportation inÂSweden: A country-wide study. Energy, 2015, 85, 353-365.	8.8	57
31	A mixed integer programming model to evaluate integrating strategies in the forest value chain â€" a case study in the Chilean forest industry. Canadian Journal of Forest Research, 2015, 45, 937-949.	1.7	35
32	Operations Research challenges in forestry: 33 open problems. Annals of Operations Research, 2015, 232, 11.	4.1	71
33	Operations research models for coalition structure in collaborative logistics. European Journal of Operational Research, 2015, 240, 147-159.	5.7	83
34	Combining optimization and simulation tools for short-term planning of forest operations. Scandinavian Journal of Forest Research, 2014, 29, 166-177.	1.4	21
35	Developing training for industrial wood supply management. International Journal of Forest Engineering, 2014, 25, 101-112.	0.8	5
36	Tactical and Operational Harvest Planning. Managing Forest Ecosystems, 2014, , 239-267.	0.9	6

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37	Coordination between strategic forest management and tactical logistic and production planning in the forestry supply chain. International Transactions in Operational Research, 2014, 21, 703-735.	2.7	16
38	Tactical supply chain planning for a forest biomass power plant under supply uncertainty. Energy, 2014, 78, 346-355.	8.8	85
39	Integrated harvest and logistic planning including road upgrading. Scandinavian Journal of Forest Research, 2014, 29, 195-209.	1.4	20
40	How reserve selection is affected by preferences in Swedish boreal forests. Forest Policy and Economics, 2014, 41, 40-50.	3.4	4
41	Pulp and Paper Supply Chain Management. Managing Forest Ecosystems, 2014, , 489-516.	0.9	1
42	Transportation and Routing. Managing Forest Ecosystems, 2014, , 269-295.	0.9	3
43	Speciality oils supply chain optimization: From a decoupled to an integrated planning approach. European Journal of Operational Research, 2013, 229, 540-551.	5.7	21
44	Vessel routing and scheduling under uncertainty in the liquefied natural gas business. Computers and Industrial Engineering, 2013, 64, 290-301.	6.3	49
45	Using mixed integer programming models to synchronously determine production levels and market prices in an integrated market for roundwood and forest biomass. Annals of Operations Research, 2013, 232, 179.	4.1	4
46	Joint optimization of pricing and planning decisions in divergent supply chain. International Transactions in Operational Research, 2013, 20, 889-916.	2.7	4
47	An Educational Game in Collaborative Logistics. INFORMS Transactions on Education, 2013, 13, 102-113.	0.5	13
48	Modeling an integrated market for sawlogs, pulpwood, and forest bioenergy. Canadian Journal of Forest Research, 2012, 42, 315-332.	1.7	25
49	A framework for an efficient implementation of logistics collaborations. International Transactions in Operational Research, 2012, 19, 633-657.	2.7	88
50	An empirical study on coalition formation and cost/savings allocation. International Journal of Production Economics, 2012, 136, 13-27.	8.9	58
51	Costâ€effective age structure and geographical distribution of boreal forest reserves. Journal of Applied Ecology, 2011, 48, 133-142.	4.0	22
52	Use of Lagrangian decomposition in supply chain planning. Mathematical and Computer Modelling, 2011, 54, 2428-2442.	2.0	18
53	Annual planning of harvesting resources in the forest industry. International Transactions in Operational Research, 2010, 17, 155-177.	2.7	37
54	Operations Research Improves Quality and Efficiency in Home Care. Interfaces, 2009, 39, 18-34.	1.5	78

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55	A hybrid method based on linear programming and tabu search for routing of logging trucks. Computers and Operations Research, 2009, 36, 1122-1144.	4.0	64
56	Supply Chain Planning Models in the Pulp and Paper Industry. Infor, 2009, 47, 167-183.	0.6	32
57	Billerud Optimizes Its Bleaching Process Using Online Optimization. Interfaces, 2009, 39, 119-132.	1.5	5
58	Combined vehicle routing and scheduling with temporal precedence and synchronization constraints. European Journal of Operational Research, 2008, 191, 19-31.	5.7	271
59	Solving a multi-period supply chain problem for a pulp company using heuristicsâ€"An application to SÃ¶dra Cell AB. International Journal of Production Economics, 2008, 116, 75-94.	8.9	286
60	RuttOptÂâ€" a decision support system for routing of logging trucks. Canadian Journal of Forest Research, 2008, 38, 1784-1796.	1.7	35
61	Using Operational Research for Supply Chain Planning in the Forest Products Industry. Infor, 2008, 46, 265-281.	0.6	121
62	Optimization based planning tools for routing of forwarders at harvest areas. Canadian Journal of Forest Research, 2007, 37, 2153-2163.	1.7	25
63	Backhauling in forest transportation: models, methods, and practical usage. Canadian Journal of Forest Research, 2007, 37, 2612-2623.	1.7	60
64	Harvest Operational Models in Forestry. , 2007, , 365-377.		15
65	RuttOpt - A Decision Support System for Routing of Logging Trucks. SSRN Electronic Journal, 2007, , .	0.4	4
66	Optimization Models for Forest Road Upgrade Planning. Mathematical Modelling and Algorithms, 2007, 6, 3-23.	0.5	24
67	Integrated Production and Distribution Planning for SÃ¶dra Cell AB. Mathematical Modelling and Algorithms, 2007, 6, 25-45.	0.5	36
68	Forest Transportation. , 2007, , 391-403.		27
69	RoadOpt: A decision support system for road upgrading in forestry. Scandinavian Journal of Forest Research, 2006, 21, 5-15.	1.4	35
70	Cost Allocation in Collaborative Forest Transportation. SSRN Electronic Journal, 2006, , .	0.4	7
71	Supply Chain Optimization in Pulp Distribution Using a Rolling Horizon Solution Approach. SSRN Electronic Journal, 2006, , .	0.4	4
72	USAGE OF OR-TOOLS FOR LOGISTICS SUPPORT IN FOREST OPERATIONS AT SVEASKOG AFTER THE STORM GUDRUN. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 145-150.	0.4	3

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73	Laps Careâ€"an operational system for staff planning of home care. European Journal of Operational Research, 2006, 171, 962-976.	5.7	297
74	Log sorting in forest harvest areas integrated with transportation planning using backhauling. Scandinavian Journal of Forest Research, 2006, 21, 260-271.	1.4	24
75	Supply chain management in forestryâ€"â€"case studies at SÃ¶dra Cell AB. European Journal of Operational Research, 2005, 163, 589-616.	5.7	131
76	Supply chain modelling of forest fuel. European Journal of Operational Research, 2004, 158, 103-123.	5.7	157
77	Supply chain optimization in the pulp mill industryâ€"â€"IP models, column generation and novel constraint branches. European Journal of Operational Research, 2004, 156, 2-22.	5.7	88
78	An optimization model for annual harvest planning. Canadian Journal of Forest Research, 2004, 34, 1747-1754.	1.7	51
79	Optimization in forestry. Mathematical Programming, 2003, 97, 267-284.	2.4	142
80	A solution approach for log truck scheduling based on composite pricing and branch and bound. International Transactions in Operational Research, 2003, 10, 433-447.	2.7	39
81	Dynamic Control of Timber Production at a Sawmill with Log Sawing Optimization. Scandinavian Journal of Forest Research, 2002, 17, 79-89.	1.4	43
82	An exact method for the two-echelon, single-source, capacitated facility location problem. European Journal of Operational Research, 2000, 123, 473-489.	5.7	103
83	An exact algorithm for the capacitated facility location problems with single sourcing. European Journal of Operational Research, 1999, 113, 544-559.	5.7	156
84	A repeated matching heuristic for the single-source capacitated facility location problem. European Journal of Operational Research, 1999, 116, 51-68.	5.7	56
85	Integrated defect detection and optimization for cross cutting of wooden boards. European Journal of Operational Research, 1998, 108, 490-508.	5.7	19
86	Aircrew schedule generation using repeated matching. European Journal of Operational Research, 1997, 102, 21-35.	5.7	11
87	Sequential quadratic programming for non-linear elastic contact problems. International Journal for Numerical Methods in Engineering, 1995, 38, 137-165.	2.8	27
88	A method for the cutting stock problem with different qualities. European Journal of Operational Research, 1995, 83, 57-68.	5.7	26
89	A Branch and Price Algorithm for the Combined Vehicle Routing and Scheduling Problem With Synchronization Constraints. SSRN Electronic Journal, 0, , .	0.4	32
90	Modeling an Integrated Market for Sawlogs, Pulpwood and Forest Bioenergy. SSRN Electronic Journal, 0, , .	0.4	0

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91	A Hybrid Method Based on Linear Programming and Tabu Search for Routing of Logging Trucks. SSRN Electronic Journal, 0, , .	0.4	4
92	Supply Chain Planning of Harvest Operations and Transportation after the Storm Gudrun. SSRN Electronic Journal, 0, , .	0.4	0
93	Optimized On-Line Process Control of Bleaching Operations with OptCab. SSRN Electronic Journal, 0, , .	0.4	0
94	Stand-specific working methods for harvester operators: a simulation study. International Journal of Forest Engineering, 0, , 1-12.	0.8	0
95	Collaboration and optimization in farmland exchanges. International Transactions in Operational Research, 0, , .	2.7	0