

# Kenneth Srensen

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7865145/kenneth-sorensen-publications-by-citations.pdf>

**Version:** 2024-04-28

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.

125  
papers

2,808  
citations

30  
h-index

48  
g-index

133  
ext. papers

3,464  
ext. citations

4  
avg, IF

6.2  
L-index

#	Paper	IF	Citations
125	Metaheuristics—the metaphor exposed. <i>International Transactions in Operational Research</i> , <b>2015</b> , 22, 3-18	2.9	471
124	A metaheuristic for the school bus routing problem with bus stop selection. <i>European Journal of Operational Research</i> , <b>2013</b> , 229, 518-528	5.6	96
123	MAPM: memetic algorithms with population management. <i>Computers and Operations Research</i> , <b>2006</b> , 33, 1214-1225	4.6	86
122	Horizontal logistics collaboration: decreasing costs through flexibility and an adequate cost allocation strategy. <i>International Journal of Logistics Research and Applications</i> , <b>2014</b> , 17, 339-355	3.8	82
121	Home care service planning. The case of Landelijke Thuiszorg. <i>European Journal of Operational Research</i> , <b>2015</b> , 243, 292-301	5.6	69
120	Efficient GRASP+VND and GRASP+VNS metaheuristics for the traveling repairman problem. <i>4or</i> , <b>2011</b> , 9, 189-209	1.4	68
119	Ambulance routing for disaster response with patient groups. <i>Computers and Operations Research</i> , <b>2015</b> , 56, 120-133	4.6	66
118	Network repair crew scheduling and routing for emergency relief distribution problem. <i>European Journal of Operational Research</i> , <b>2016</b> , 248, 272-285	5.6	62
117	A fast solution method for the time-dependent orienteering problem. <i>European Journal of Operational Research</i> , <b>2014</b> , 236, 419-432	5.6	54
116	Efficient metaheuristics to solve the intermodal terminal location problem. <i>Computers and Operations Research</i> , <b>2012</b> , 39, 2079-2090	4.6	53
115	A fast two-level variable neighborhood search for the clustered vehicle routing problem. <i>Computers and Operations Research</i> , <b>2017</b> , 83, 78-94	4.6	51
114	A decision model to allocate protective safety barriers and mitigate domino effects. <i>Reliability Engineering and System Safety</i> , <b>2015</b> , 143, 44-52	6.3	51
113	An iterated local search algorithm for the vehicle routing problem with backhauls. <i>European Journal of Operational Research</i> , <b>2014</b> , 237, 454-464	5.6	47
112	Optimisation of gravity-fed water distribution network design: A critical review. <i>European Journal of Operational Research</i> , <b>2013</b> , 228, 1-10	5.6	45
111	A GRASP metaheuristic to improve accessibility after a disaster. <i>OR Spectrum</i> , <b>2011</b> , 33, 525-542	1.9	42
110	A memetic algorithm for the orienteering problem with hotel selection. <i>European Journal of Operational Research</i> , <b>2014</b> , 237, 29-49	5.6	38
109	The selective vehicle routing problem in a collaborative environment. <i>European Journal of Operational Research</i> , <b>2016</b> , 250, 400-411	5.6	37

108	Resilience of chemical industrial areas through attenuation-based security. <i>Reliability Engineering and System Safety</i> , <b>2014</b> , 131, 94-101	6.3	37
107	The travelling salesperson problem with hotel selection. <i>Journal of the Operational Research Society</i> , <b>2012</b> , 63, 207-217	2	37
106	Distance measures based on the edit distance for permutation-type representations. <i>Journal of Heuristics</i> , <b>2007</b> , 13, 35-47	1.9	37
105	Metaheuristics for the risk-constrained cash-in-transit vehicle routing problem. <i>European Journal of Operational Research</i> , <b>2015</b> , 244, 457-470	5.6	36
104	Data mining with genetic algorithms on binary trees. <i>European Journal of Operational Research</i> , <b>2003</b> , 151, 253-264	5.6	35
103	MISTRAL: A game-theoretical model to allocate security measures in a multi-modal chemical transportation network with adaptive adversaries. <i>Reliability Engineering and System Safety</i> , <b>2015</b> , 138, 105-114	6.3	34
102	A History of Metaheuristics <b>2018</b> , 791-808		34
101	The k-dissimilar vehicle routing problem. <i>European Journal of Operational Research</i> , <b>2015</b> , 244, 129-140	5.6	33
100	OR Practice Supporting 3PL Decisions in the Automotive Industry by Generating Diverse Solutions to a Large-Scale Location-Routing Problem. <i>Operations Research</i> , <b>2009</b> , 57, 1058-1067	2.3	33
99	A mathematical formulation for a school bus routing problem <b>2006</b> ,		33
98	Production control in a failure-prone manufacturing network using discrete event simulation and automated response surface methodology. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2011</b> , 53, 35-46	3.2	31
97	A memetic algorithm for the travelling salesperson problem with hotel selection. <i>Computers and Operations Research</i> , <b>2013</b> , 40, 1716-1728	4.6	30
96	Integration of the cost allocation in the optimization of collaborative bundling. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2014</b> , 72, 125-143	9	29
95	Measuring and rewarding flexibility in collaborative distribution, including two-partner coalitions. <i>European Journal of Operational Research</i> , <b>2014</b> , 239, 157-165	5.6	27
94	A Practical Approach for Robust and Flexible Vehicle Routing Using Metaheuristics and Monte Carlo Sampling. <i>Mathematical Modelling and Algorithms</i> , <b>2009</b> , 8, 387-407		27
93	Knowledge-guided local search for the vehicle routing problem. <i>Computers and Operations Research</i> , <b>2019</b> , 105, 32-46	4.6	27
92	Efficiently solving very large-scale routing problems. <i>Computers and Operations Research</i> , <b>2019</b> , 107, 32-42	4.6	26
91	What makes a VRP solution good? The generation of problem-specific knowledge for heuristics. <i>Computers and Operations Research</i> , <b>2019</b> , 106, 280-288	4.6	26

90	Generating structured music for bagana using quality metrics based on Markov models. <i>Expert Systems With Applications</i> , <b>2015</b> , 42, 7424-7435	7.8	24
89	Determining collaborative profits in coalitions formed by two partners with varying characteristics. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2016</b> , 70, 171-184	8.4	24
88	Multi-objective microzone-based vehicle routing for courier companies: From tactical to operational planning. <i>European Journal of Operational Research</i> , <b>2015</b> , 242, 222-231	5.6	23
87	Dance Hit Song Prediction. <i>Journal of New Music Research</i> , <b>2014</b> , 43, 291-302	1.1	23
86	A History of Metaheuristics <b>2018</b> , 1-18		23
85	Multi-objective optimisation models for the travelling salesman problem with horizontal cooperation. <i>European Journal of Operational Research</i> , <b>2018</b> , 267, 891-903	5.6	22
84	A multi-attribute Systemic Risk Index for comparing and prioritizing chemical industrial areas. <i>Reliability Engineering and System Safety</i> , <b>2012</b> , 98, 35-42	6.3	22
83	Integrating partner objectives in horizontal logistics optimisation models. <i>Omega</i> , <b>2019</b> , 82, 1-12	7.2	22
82	Bi-objective optimization of the intermodal terminal location problem as a policy-support tool. <i>Computers in Industry</i> , <b>2013</b> , 64, 128-135	11.6	21
81	A genetic algorithm for robust schedules in a one-machine environment with ready times and due dates. <i>4or</i> , <b>2004</b> , 2, 129	1.4	21
80	An iterated local search algorithm for water distribution network design optimization. <i>Networks</i> , <b>2016</b> , 67, 187-198	1.6	21
79	A large neighbourhood metaheuristic for the risk-constrained cash-in-transit vehicle routing problem. <i>Computers and Operations Research</i> , <b>2017</b> , 78, 547-556	4.6	20
78	HydroGen: an Artificial Water Distribution Network Generator. <i>Water Resources Management</i> , <b>2014</b> , 28, 333-350	3.7	20
77	An approach for optimal allocation of safety resources: using the knapsack problem to take aggregated cost-efficient preventive measures. <i>Risk Analysis</i> , <b>2013</b> , 33, 2056-67	3.9	20
76	The accessibility arc upgrading problem. <i>European Journal of Operational Research</i> , <b>2013</b> , 224, 458-465	5.6	18
75	Solving the mobile mapping van problem: A hybrid metaheuristic for capacitated arc routing with soft time windows. <i>Computers and Operations Research</i> , <b>2010</b> , 37, 1870-1876	4.6	17
74	An algorithm to generate all spanning trees of a graph in order of increasing cost. <i>Pesquisa Operacional</i> , <b>2005</b> , 25, 219-229	0.3	17
73	Classification and Generation of Composer-Specific Music Using Global Feature Models and Variable Neighborhood Search. <i>Computer Music Journal</i> , <b>2015</b> , 39, 71-91	0.5	16

72	A network-consistent time-dependent travel time layer for routing optimization problems. <i>European Journal of Operational Research</i> , <b>2013</b> , 226, 395-413	5.6	15
71	Composing first species counterpoint with a variable neighbourhood search algorithm. <i>Journal of Mathematics and the Arts</i> , <b>2012</b> , 6, 169-189	0.3	15
70	Composing fifth species counterpoint music with a variable neighborhood search algorithm. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 6427-6437	7.8	14
69	A Petri net model of a continuous flow transfer line with unreliable machines. <i>European Journal of Operational Research</i> , <b>2004</b> , 152, 248-262	5.6	14
68	Statistical analysis of distance-based path relinking for the capacitated vehicle routing problem. <i>Computers and Operations Research</i> , <b>2013</b> , 40, 3197-3205	4.6	13
67	Route stability in vehicle routing decisions: a bi-objective approach using metaheuristics. <i>Central European Journal of Operations Research</i> , <b>2006</b> , 14, 193-207	2.2	13
66	Multiple Neighbourhood Search in Commercial VRP Packages: Evolving Towards Self-Adaptive Methods. <i>Studies in Computational Intelligence</i> , <b>2008</b> , 239-253	0.8	13
65	A metaheuristic for a teaching assistant assignment-routing problem. <i>Computers and Operations Research</i> , <b>2012</b> , 39, 249-258	4.6	12
64	A critical analysis of the Improved Clarke and Wright savings algorithm. <i>International Transactions in Operational Research</i> , <b>2019</b> , 26, 54-63	2.9	12
63	A fast metaheuristic for the travelling salesperson problem with hotel selection. <i>4or</i> , <b>2015</b> , 13, 15-34	1.4	11
62	Optimal design of large-scale screening experiments: a critical look at the coordinate-exchange algorithm. <i>Statistics and Computing</i> , <b>2016</b> , 26, 15-28	1.8	11
61	A variable-neighbourhood search algorithm for finding optimal run orders in the presence of serial correlation. <i>Journal of Statistical Planning and Inference</i> , <b>2009</b> , 139, 30-44	0.8	11
60	Buffer allocation and required availability in a transfer line with unreliable machines. <i>International Journal of Production Economics</i> , <b>2001</b> , 74, 163-173	9.3	11
59	A biobjective decision model to increase security and reduce travel costs in the cash-in-transit sector. <i>International Transactions in Operational Research</i> , <b>2017</b> , 24, 59-76	2.9	10
58	Pre-positioning of emergency supplies: does putting a price on human life help to save lives?. <i>Annals of Operations Research</i> , <b>2019</b> , 283, 865-895	3.2	10
57	Multi-objective optimization of mobile phone keymaps for typing messages using a word list. <i>European Journal of Operational Research</i> , <b>2007</b> , 179, 838-846	5.6	9
56	Metaheuristics in the Large. <i>European Journal of Operational Research</i> , <b>2021</b> ,	5.6	8
55	An integrated algorithm for the optimal design of stated choice experiments with partial profiles. <i>Transportation Research Part B: Methodological</i> , <b>2016</b> , 93, 648-669	7.2	8

54	Pushing frontiers in auction-based transport collaborations. <i>Omega</i> , <b>2020</b> , 94, 102042	7.2	8
53	Meta-analysis of metaheuristics: Quantifying the effect of adaptiveness in adaptive large neighborhood search. <i>European Journal of Operational Research</i> , <b>2021</b> , 292, 423-442	5.6	8
52	A variable neighborhood search algorithm to generate piano fingerings for polyphonic sheet music. <i>International Transactions in Operational Research</i> , <b>2017</b> , 24, 509-535	2.9	7
51	Automated Design of Machine Learning and Search Algorithms [Guest Editorial]. <i>IEEE Computational Intelligence Magazine</i> , <b>2018</b> , 13, 16-17	5.6	7
50	Efficient multi-product multi-BOM batch scheduling for a petrochemical blending plant with a shared pipeline network. <i>Computers and Chemical Engineering</i> , <b>2016</b> , 84, 493-506	4	7
49	Analysis of different cost allocation methods in a collaborative transport setting. <i>Journal of Evidence-Based Medicine</i> , <b>2014</b> , 4, 132	6.1	7
48	A large neighborhood search algorithm to optimize a demand-responsive feeder service. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2021</b> , 127, 103102	8.4	7
47	The joint order batching and picker routing problem: Modelled and solved as a clustered vehicle routing problem. <i>Computers and Operations Research</i> , <b>2021</b> , 129, 105168	4.6	7
46	Air distribution system design optimization in non-residential buildings: Problem formulation and generation of test networks. <i>Journal of Building Engineering</i> , <b>2017</b> , 12, 60-67	5.2	5
45	Editorial to the Special Cluster on Variable Neighborhood Search, Variants and Recent Applications. <i>International Transactions in Operational Research</i> , <b>2017</b> , 24, 507-508	2.9	5
44	Design optimization of air distribution systems in non-residential buildings. <i>Energy and Buildings</i> , <b>2018</b> , 175, 48-56	7	5
43	Applications of metaheuristics. <i>European Journal of Operational Research</i> , <b>2007</b> , 179, 601-604	5.6	5
42	A survey on demand-responsive public bus systems. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2022</b> , 137, 103573	8.4	5
41	An Iterated Local Search Algorithm for Multi-Period Water Distribution Network Design Optimization. <i>Water (Switzerland)</i> , <b>2016</b> , 8, 359	3	5
40	PILS: Exploring high-order neighborhoods by pattern mining and injection. <i>Pattern Recognition</i> , <b>2021</b> , 116, 107957	7.7	5
39	Instances for the problem of pre-positioning emergency supplies. <i>Journal of Humanitarian Logistics and Supply Chain Management</i> , <b>2019</b> , 9, 172-195	2.4	4
38	Solving a real-life roll-on/roll-off waste collection problem with column generation. <i>Journal on Vehicle Routing Algorithms</i> , <b>2019</b> , 2, 41-54	0.9	4
37	FuX, an Android app that generates counterpoint <b>2013</b> ,		4

36	Finding Robust Solutions Using Local Search. <i>Mathematical Modelling and Algorithms</i> , <b>2004</b> , 3, 89-103		4
35	Metaphor-based metaheuristics, a call for action: the elephant in the room. <i>Swarm Intelligence</i> , <b>2014</b> , 1, 3-14	3	4
34	Gain Sharing in Horizontal Logistic Co-operation: A Case Study in the Fresh Fruit and Vegetables Sector. <i>Contributions To Management Science</i> , <b>2016</b> , 75-89	0.4	4
33	A hybridised variable neighbourhood tabu search heuristic to increase security in a utility network. <i>Reliability Engineering and System Safety</i> , <b>2016</b> , 145, 221-230	6.3	3
32	Progressive Multi-Objective Optimization. <i>International Journal of Information Technology and Decision Making</i> , <b>2014</b> , 13, 917-936	2.8	3
31	Automatic Petri Net Simulation Model Generation for a Continuous Flow Transfer Line with Unreliable Machines. <i>Quality and Reliability Engineering International</i> , <b>2004</b> , 20, 343-362	2.6	3
30	Reducing Space Search in Combinatorial Optimization Using Machine Learning Tools. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 143-150	0.9	3
29	A progressive filtering heuristic for the location-routing problem and variants. <i>Computers and Operations Research</i> , <b>2021</b> , 129, 105166	4.6	3
28	A matheuristic for the stochastic facility location problem. <i>Journal of Heuristics</i> , <b>2021</b> , 27, 649-694	1.9	3
27	Studying the influence of algorithmic parameters and instance characteristics on the performance of a multiobjective algorithm using the Promethee method. <i>Cybernetics and Systems</i> , <b>2019</b> , 50, 444-464	1.9	2
26	Data for a meta-analysis of the adaptive layer in adaptive large neighborhood search. <i>Data in Brief</i> , <b>2020</b> , 33, 106568	1.2	2
25	Adaptive and Multilevel Metaheuristics <b>2018</b> , 3-21		2
24	An upper bound on the cycle time of a stochastic marked graph using incomplete information on the transition firing time distributions. <i>Mathematical and Computer Modelling</i> , <b>2009</b> , 49, 563-572		2
23	Generating Fingerings for Polyphonic Piano Music with a Tabu Search Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 149-160	0.9	2
22	Research trends in combinatorial optimization. <i>International Transactions in Operational Research</i> , <b>2010</b> , 18, 1-14	2.9	2
21	An algorithmic framework for generating optimal two-stratum experimental designs. <i>Computational Statistics and Data Analysis</i> , <b>2017</b> , 115, 224-249	1.6	1
20	Pipeline Security <b>2015</b> , 281-311		1
19	Sustainable Chemical Warehousing <b>2013</b> , 199-214		1



18	The Mobile Mapping Van Problem: a matheuristic for capacitated arc routing with soft time windows and depot selection. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2009</b> , 42, 1114-1119		1
17	Stimulating information sharing, collaboration and learning in operations research with libOR. <i>International Journal on Digital Libraries</i> , <b>2008</b> , 8, 79-90	1.4	1
16	Intelligent Systems in Managerial Decision Making. <i>Intelligent Systems Reference Library</i> , <b>2015</b> , 377-403	0.8	1
15	Composer Classification Models for Music-Theory Building <b>2016</b> , 369-392		1
14	A multilevel evaluation method for heuristics with an application to the VRPTW. <i>International Transactions in Operational Research</i> , <b>2020</b> , 27, 168-196	2.9	1
13	Large neighborhood search for the bike request scheduling problem. <i>International Transactions in Operational Research</i> , <b>2020</b> , 27, 2695-2714	2.9	1
12	The static on-demand bus routing problem: large neighborhood search for a dial-a-ride problem with bus station assignment. <i>International Transactions in Operational Research</i> ,	2.9	1
11	Metaheuristics for the Multimodal Optimization of Hazmat Transports 163-181		1
10	A Greedy Randomized Adaptive Search Procedure (GRASP) for the multi-vehicle prize collecting arc routing for connectivity problem. <i>Computers and Operations Research</i> , <b>2022</b> , 143, 105804	4.6	1
9	A metaheuristic for security budget allocation in utility networks. <i>International Transactions in Operational Research</i> , <b>2017</b> , 24, 229-249	2.9	
8	Comments on: Shared resources in collaborative vehicle routing. <i>Top</i> , <b>2020</b> , 28, 25-28	1.3	
7	The Bike Request Scheduling Problem. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 294-301	0.9	
6	Sustainable Chemical Logistics <b>2013</b> , 161-180		
5	Sustainable Industrial Chemistry from a Nontechnological Viewpoint <b>2013</b> , 33-41		
4	A production-inventory system with an unreliable continuous transfer line. <i>Journal of Systems Science and Systems Engineering</i> , <b>2003</b> , 12, 298-306	1.2	
3	The validity of aggregation in the study of unreliable continuous transfer lines. <i>Journal of Statistics and Management Systems</i> , <b>2005</b> , 8, 27-37	0.9	
2	An enhanced simulation-based iterated local search metaheuristic for gravity fed water distribution network design optimization. <i>Computers and Operations Research</i> , <b>2021</b> , 135, 105429	4.6	
1	Metaheuristics for Robust Planning and Scheduling 123-141		



