

Kenneth Srensen

List of Publications by Year in Descending Order

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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 | A survey on demand-responsive public bus systems. <i>Transportation Research Part C: Emerging Technologies</i> , 2022 , 137, 103573 | 8.4 | 5 |
| 124 | A Greedy Randomized Adaptive Search Procedure (GRASP) for the multi-vehicle prize collecting arc routing for connectivity problem. <i>Computers and Operations Research</i> , 2022 , 143, 105804 | 4.6 | 1 |
| 123 | Metaheuristics in the Large \square <i>European Journal of Operational Research</i> , 2021 , | 5.6 | 8 |
| 122 | A large neighborhood search algorithm to optimize a demand-responsive feeder service. <i>Transportation Research Part C: Emerging Technologies</i> , 2021 , 127, 103102 | 8.4 | 7 |
| 121 | Meta-analysis of metaheuristics: Quantifying the effect of adaptiveness in adaptive large neighborhood search. <i>European Journal of Operational Research</i> , 2021 , 292, 423-442 | 5.6 | 8 |
| 120 | A progressive filtering heuristic for the location-routing problem and variants. <i>Computers and Operations Research</i> , 2021 , 129, 105166 | 4.6 | 3 |
| 119 | The joint order batching and picker routing problem: Modelled and solved as a clustered vehicle routing problem. <i>Computers and Operations Research</i> , 2021 , 129, 105168 | 4.6 | 7 |
| 118 | A matheuristic for the stochastic facility location problem. <i>Journal of Heuristics</i> , 2021 , 27, 649-694 | 1.9 | 3 |
| 117 | PILS: Exploring high-order neighborhoods by pattern mining and injection. <i>Pattern Recognition</i> , 2021 , 116, 107957 | 7.7 | 5 |
| 116 | An enhanced simulation-based iterated local search metaheuristic for gravity fed water distribution network design optimization. <i>Computers and Operations Research</i> , 2021 , 135, 105429 | 4.6 | |
| 115 | Data for a meta-analysis of the adaptive layer in adaptive large neighborhood search. <i>Data in Brief</i> , 2020 , 33, 106568 | 1.2 | 2 |
| 114 | Comments on: Shared resources in collaborative vehicle routing. <i>Top</i> , 2020 , 28, 25-28 | 1.3 | |
| 113 | Reducing Space Search in Combinatorial Optimization Using Machine Learning Tools. <i>Lecture Notes in Computer Science</i> , 2020 , 143-150 | 0.9 | 3 |
| 112 | Pushing frontiers in auction-based transport collaborations. <i>Omega</i> , 2020 , 94, 102042 | 7.2 | 8 |
| 111 | A multilevel evaluation method for heuristics with an application to the VRPTW. <i>International Transactions in Operational Research</i> , 2020 , 27, 168-196 | 2.9 | 1 |
| 110 | Large neighborhood search for the bike request scheduling problem. <i>International Transactions in Operational Research</i> , 2020 , 27, 2695-2714 | 2.9 | 1 |
| 109 | Instances for the problem of pre-positioning emergency supplies. <i>Journal of Humanitarian Logistics and Supply Chain Management</i> , 2019 , 9, 172-195 | 2.4 | 4 |

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| 108 | 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> , 2019 , 50, 444-464 | 1.9 | 2 |
| 107 | Solving a real-life roll-on/roll-off waste collection problem with column generation. <i>Journal on Vehicle Routing Algorithms</i> , 2019 , 2, 41-54 | 0.9 | 4 |
| 106 | Efficiently solving very large-scale routing problems. <i>Computers and Operations Research</i> , 2019 , 107, 32-42 | 4.6 | 26 |
| 105 | Knowledge-guided local search for the vehicle routing problem. <i>Computers and Operations Research</i> , 2019 , 105, 32-46 | 4.6 | 27 |
| 104 | A critical analysis of the Improved Clarke and Wright savings algorithm. <i>International Transactions in Operational Research</i> , 2019 , 26, 54-63 | 2.9 | 12 |
| 103 | Pre-positioning of emergency supplies: does putting a price on human life help to save lives?. <i>Annals of Operations Research</i> , 2019 , 283, 865-895 | 3.2 | 10 |
| 102 | Integrating partner objectives in horizontal logistics optimisation models. <i>Omega</i> , 2019 , 82, 1-12 | 7.2 | 22 |
| 101 | What makes a VRP solution good? The generation of problem-specific knowledge for heuristics. <i>Computers and Operations Research</i> , 2019 , 106, 280-288 | 4.6 | 26 |
| 100 | Multi-objective optimisation models for the travelling salesman problem with horizontal cooperation. <i>European Journal of Operational Research</i> , 2018 , 267, 891-903 | 5.6 | 22 |
| 99 | Automated Design of Machine Learning and Search Algorithms [Guest Editorial]. <i>IEEE Computational Intelligence Magazine</i> , 2018 , 13, 16-17 | 5.6 | 7 |
| 98 | Design optimization of air distribution systems in non-residential buildings. <i>Energy and Buildings</i> , 2018 , 175, 48-56 | 7 | 5 |
| 97 | Adaptive and Multilevel Metaheuristics 2018 , 3-21 | | 2 |
| 96 | A History of Metaheuristics 2018 , 1-18 | | 23 |
| 95 | A History of Metaheuristics 2018 , 791-808 | | 34 |
| 94 | A variable neighborhood search algorithm to generate piano fingerings for polyphonic sheet music. <i>International Transactions in Operational Research</i> , 2017 , 24, 509-535 | 2.9 | 7 |
| 93 | A large neighbourhood metaheuristic for the risk-constrained cash-in-transit vehicle routing problem. <i>Computers and Operations Research</i> , 2017 , 78, 547-556 | 4.6 | 20 |
| 92 | A metaheuristic for security budget allocation in utility networks. <i>International Transactions in Operational Research</i> , 2017 , 24, 229-249 | 2.9 | |
| 91 | A biobjective decision model to increase security and reduce travel costs in the cash-in-transit sector. <i>International Transactions in Operational Research</i> , 2017 , 24, 59-76 | 2.9 | 10 |

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| 90 | A fast two-level variable neighborhood search for the clustered vehicle routing problem. <i>Computers and Operations Research</i> , 2017 , 83, 78-94 | 4.6 | 51 |
| 89 | Air distribution system design optimization in non-residential buildings: Problem formulation and generation of test networks. <i>Journal of Building Engineering</i> , 2017 , 12, 60-67 | 5.2 | 5 |
| 88 | Editorial to the Special Cluster on Variable Neighborhood Search, Variants and Recent Applications. <i>International Transactions in Operational Research</i> , 2017 , 24, 507-508 | 2.9 | 5 |
| 87 | An algorithmic framework for generating optimal two-stratum experimental designs. <i>Computational Statistics and Data Analysis</i> , 2017 , 115, 224-249 | 1.6 | 1 |
| 86 | Network repair crew scheduling and routing for emergency relief distribution problem. <i>European Journal of Operational Research</i> , 2016 , 248, 272-285 | 5.6 | 62 |
| 85 | Optimal design of large-scale screening experiments: a critical look at the coordinate-exchange algorithm. <i>Statistics and Computing</i> , 2016 , 26, 15-28 | 1.8 | 11 |
| 84 | Determining collaborative profits in coalitions formed by two partners with varying characteristics. <i>Transportation Research Part C: Emerging Technologies</i> , 2016 , 70, 171-184 | 8.4 | 24 |
| 83 | Efficient multi-product multi-BOM batch scheduling for a petrochemical blending plant with a shared pipeline network. <i>Computers and Chemical Engineering</i> , 2016 , 84, 493-506 | 4 | 7 |
| 82 | A hybridised variable neighbourhood tabu search heuristic to increase security in a utility network. <i>Reliability Engineering and System Safety</i> , 2016 , 145, 221-230 | 6.3 | 3 |
| 81 | The selective vehicle routing problem in a collaborative environment. <i>European Journal of Operational Research</i> , 2016 , 250, 400-411 | 5.6 | 37 |
| 80 | Gain Sharing in Horizontal Logistic Co-operation: A Case Study in the Fresh Fruit and Vegetables Sector. <i>Contributions To Management Science</i> , 2016 , 75-89 | 0.4 | 4 |
| 79 | Composer Classification Models for Music-Theory Building 2016 , 369-392 | | 1 |
| 78 | An Iterated Local Search Algorithm for Multi-Period Water Distribution Network Design Optimization. <i>Water (Switzerland)</i> , 2016 , 8, 359 | 3 | 5 |
| 77 | An iterated local search algorithm for water distribution network design optimization. <i>Networks</i> , 2016 , 67, 187-198 | 1.6 | 21 |
| 76 | An integrated algorithm for the optimal design of stated choice experiments with partial profiles. <i>Transportation Research Part B: Methodological</i> , 2016 , 93, 648-669 | 7.2 | 8 |
| 75 | Generating structured music for bagana using quality metrics based on Markov models. <i>Expert Systems With Applications</i> , 2015 , 42, 7424-7435 | 7.8 | 24 |
| 74 | A decision model to allocate protective safety barriers and mitigate domino effects. <i>Reliability Engineering and System Safety</i> , 2015 , 143, 44-52 | 6.3 | 51 |
| 73 | Ambulance routing for disaster response with patient groups. <i>Computers and Operations Research</i> , 2015 , 56, 120-133 | 4.6 | 66 |

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| 72 | Multi-objective microzone-based vehicle routing for courier companies: From tactical to operational planning. <i>European Journal of Operational Research</i> , 2015 , 242, 222-231 | 5.6 | 23 |
| 71 | A fast metaheuristic for the travelling salesperson problem with hotel selection. <i>4or</i> , 2015 , 13, 15-34 | 1.4 | 11 |
| 70 | Pipeline Security 2015 , 281-311 | | 1 |
| 69 | The Bike Request Scheduling Problem. <i>Lecture Notes in Computer Science</i> , 2015 , 294-301 | 0.9 | |
| 68 | Classification and Generation of Composer-Specific Music Using Global Feature Models and Variable Neighborhood Search. <i>Computer Music Journal</i> , 2015 , 39, 71-91 | 0.5 | 16 |
| 67 | Metaheuristics the metaphor exposed. <i>International Transactions in Operational Research</i> , 2015 , 22, 3-18 | 2.9 | 47 ¹ |
| 66 | 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> , 2015 , 138, 105-114 | 6.3 | 34 |
| 65 | The k-dissimilar vehicle routing problem. <i>European Journal of Operational Research</i> , 2015 , 244, 129-140 | 5.6 | 33 |
| 64 | Metaheuristics for the risk-constrained cash-in-transit vehicle routing problem. <i>European Journal of Operational Research</i> , 2015 , 244, 457-470 | 5.6 | 36 |
| 63 | Home care service planning. The case of Landelijke Thuiszorg. <i>European Journal of Operational Research</i> , 2015 , 243, 292-301 | 5.6 | 69 |
| 62 | Intelligent Systems in Managerial Decision Making. <i>Intelligent Systems Reference Library</i> , 2015 , 377-403 | 0.8 | 1 |
| 61 | Generating Fingerings for Polyphonic Piano Music with a Tabu Search Algorithm. <i>Lecture Notes in Computer Science</i> , 2015 , 149-160 | 0.9 | 2 |
| 60 | An iterated local search algorithm for the vehicle routing problem with backhauls. <i>European Journal of Operational Research</i> , 2014 , 237, 454-464 | 5.6 | 47 |
| 59 | A fast solution method for the time-dependent orienteering problem. <i>European Journal of Operational Research</i> , 2014 , 236, 419-432 | 5.6 | 54 |
| 58 | Integration of the cost allocation in the optimization of collaborative bundling. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014 , 72, 125-143 | 9 | 29 |
| 57 | Resilience of chemical industrial areas through attenuation-based security. <i>Reliability Engineering and System Safety</i> , 2014 , 131, 94-101 | 6.3 | 37 |
| 56 | A memetic algorithm for the orienteering problem with hotel selection. <i>European Journal of Operational Research</i> , 2014 , 237, 29-49 | 5.6 | 38 |
| 55 | Analysis of different cost allocation methods in a collaborative transport setting. <i>Journal of Evidence-Based Medicine</i> , 2014 , 4, 132 | 6.1 | 7 |

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| 54 | Progressive Multi-Objective Optimization. <i>International Journal of Information Technology and Decision Making</i> , 2014 , 13, 917-936 | 2.8 | 3 |
| 53 | Dance Hit Song Prediction. <i>Journal of New Music Research</i> , 2014 , 43, 291-302 | 1.1 | 23 |
| 52 | Horizontal logistics collaboration: decreasing costs through flexibility and an adequate cost allocation strategy. <i>International Journal of Logistics Research and Applications</i> , 2014 , 17, 339-355 | 3.8 | 82 |
| 51 | Measuring and rewarding flexibility in collaborative distribution, including two-partner coalitions. <i>European Journal of Operational Research</i> , 2014 , 239, 157-165 | 5.6 | 27 |
| 50 | HydroGen: an Artificial Water Distribution Network Generator. <i>Water Resources Management</i> , 2014 , 28, 333-350 | 3.7 | 20 |
| 49 | Statistical analysis of distance-based path relinking for the capacitated vehicle routing problem. <i>Computers and Operations Research</i> , 2013 , 40, 3197-3205 | 4.6 | 13 |
| 48 | Bi-objective optimization of the intermodal terminal location problem as a policy-support tool. <i>Computers in Industry</i> , 2013 , 64, 128-135 | 11.6 | 21 |
| 47 | Optimisation of gravity-fed water distribution network design: A critical review. <i>European Journal of Operational Research</i> , 2013 , 228, 1-10 | 5.6 | 45 |
| 46 | A network-consistent time-dependent travel time layer for routing optimization problems. <i>European Journal of Operational Research</i> , 2013 , 226, 395-413 | 5.6 | 15 |
| 45 | Composing fifth species counterpoint music with a variable neighborhood search algorithm. <i>Expert Systems With Applications</i> , 2013 , 40, 6427-6437 | 7.8 | 14 |
| 44 | A memetic algorithm for the travelling salesperson problem with hotel selection. <i>Computers and Operations Research</i> , 2013 , 40, 1716-1728 | 4.6 | 30 |
| 43 | A metaheuristic for the school bus routing problem with bus stop selection. <i>European Journal of Operational Research</i> , 2013 , 229, 518-528 | 5.6 | 96 |
| 42 | An approach for optimal allocation of safety resources: using the knapsack problem to take aggregated cost-efficient preventive measures. <i>Risk Analysis</i> , 2013 , 33, 2056-67 | 3.9 | 20 |
| 41 | Sustainable Chemical Logistics 2013 , 161-180 | | |
| 40 | Sustainable Chemical Warehousing 2013 , 199-214 | | 1 |
| 39 | Sustainable Industrial Chemistry from a Nontechnological Viewpoint 2013 , 33-41 | | |
| 38 | The accessibility arc upgrading problem. <i>European Journal of Operational Research</i> , 2013 , 224, 458-465 | 5.6 | 18 |
| 37 | FuX, an Android app that generates counterpoint 2013 , | | 4 |

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| 36 | Efficient metaheuristics to solve the intermodal terminal location problem. <i>Computers and Operations Research</i> , 2012 , 39, 2079-2090 | 4.6 | 53 |
| 35 | A multi-attribute Systemic Risk Index for comparing and prioritizing chemical industrial areas. <i>Reliability Engineering and System Safety</i> , 2012 , 98, 35-42 | 6.3 | 22 |
| 34 | A metaheuristic for a teaching assistant assignment-routing problem. <i>Computers and Operations Research</i> , 2012 , 39, 249-258 | 4.6 | 12 |
| 33 | The travelling salesperson problem with hotel selection. <i>Journal of the Operational Research Society</i> , 2012 , 63, 207-217 | 2 | 37 |
| 32 | Composing first species counterpoint with a variable neighbourhood search algorithm. <i>Journal of Mathematics and the Arts</i> , 2012 , 6, 169-189 | 0.3 | 15 |
| 31 | Efficient GRASP+VND and GRASP+VNS metaheuristics for the traveling repairman problem. <i>4or</i> , 2011 , 9, 189-209 | 1.4 | 68 |
| 30 | A GRASP metaheuristic to improve accessibility after a disaster. <i>OR Spectrum</i> , 2011 , 33, 525-542 | 1.9 | 42 |
| 29 | 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> , 2011 , 53, 35-46 | 3.2 | 31 |
| 28 | Solving the mobile mapping van problem: A hybrid metaheuristic for capacitated arc routing with soft time windows. <i>Computers and Operations Research</i> , 2010 , 37, 1870-1876 | 4.6 | 17 |
| 27 | A Practical Approach for Robust and Flexible Vehicle Routing Using Metaheuristics and Monte Carlo Sampling. <i>Mathematical Modelling and Algorithms</i> , 2009 , 8, 387-407 | | 27 |
| 26 | A variable-neighbourhood search algorithm for finding optimal run orders in the presence of serial correlation. <i>Journal of Statistical Planning and Inference</i> , 2009 , 139, 30-44 | 0.8 | 11 |
| 25 | 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> , 2009 , 49, 563-572 | | 2 |
| 24 | OR Practice Supporting 3PL Decisions in the Automotive Industry by Generating Diverse Solutions to a Large-Scale Location-Routing Problem. <i>Operations Research</i> , 2009 , 57, 1058-1067 | 2.3 | 33 |
| 23 | 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> , 2009 , 42, 1114-1119 | | 1 |
| 22 | Stimulating information sharing, collaboration and learning in operations research with libOR. <i>International Journal on Digital Libraries</i> , 2008 , 8, 79-90 | 1.4 | 1 |
| 21 | Multiple Neighbourhood Search in Commercial VRP Packages: Evolving Towards Self-Adaptive Methods. <i>Studies in Computational Intelligence</i> , 2008 , 239-253 | 0.8 | 13 |
| 20 | Applications of metaheuristics. <i>European Journal of Operational Research</i> , 2007 , 179, 601-604 | 5.6 | 5 |
| 19 | Multi-objective optimization of mobile phone keymaps for typing messages using a word list. <i>European Journal of Operational Research</i> , 2007 , 179, 838-846 | 5.6 | 9 |

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| 18 | Distance measures based on the edit distance for permutation-type representations. <i>Journal of Heuristics</i> , 2007 , 13, 35-47 | 1.9 | 37 |
| 17 | MAPM: memetic algorithms with population management. <i>Computers and Operations Research</i> , 2006 , 33, 1214-1225 | 4.6 | 86 |
| 16 | A mathematical formulation for a school bus routing problem 2006 , | | 33 |
| 15 | Route stability in vehicle routing decisions: a bi-objective approach using metaheuristics. <i>Central European Journal of Operations Research</i> , 2006 , 14, 193-207 | 2.2 | 13 |
| 14 | The validity of aggregation in the study of unreliable continuous transfer lines. <i>Journal of Statistics and Management Systems</i> , 2005 , 8, 27-37 | 0.9 | |
| 13 | An algorithm to generate all spanning trees of a graph in order of increasing cost. <i>Pesquisa Operacional</i> , 2005 , 25, 219-229 | 0.3 | 17 |
| 12 | Finding Robust Solutions Using Local Search. <i>Mathematical Modelling and Algorithms</i> , 2004 , 3, 89-103 | | 4 |
| 11 | A genetic algorithm for robust schedules in a one-machine environment with ready times and due dates. <i>4or</i> , 2004 , 2, 129 | 1.4 | 21 |
| 10 | A Petri net model of a continuous flow transfer line with unreliable machines. <i>European Journal of Operational Research</i> , 2004 , 152, 248-262 | 5.6 | 14 |
| 9 | Automatic Petri Net Simulation Model Generation for a Continuous Flow Transfer Line with Unreliable Machines. <i>Quality and Reliability Engineering International</i> , 2004 , 20, 343-362 | 2.6 | 3 |
| 8 | A production-inventory system with an unreliable continuous transfer line. <i>Journal of Systems Science and Systems Engineering</i> , 2003 , 12, 298-306 | 1.2 | |
| 7 | Data mining with genetic algorithms on binary trees. <i>European Journal of Operational Research</i> , 2003 , 151, 253-264 | 5.6 | 35 |
| 6 | Buffer allocation and required availability in a transfer line with unreliable machines. <i>International Journal of Production Economics</i> , 2001 , 74, 163-173 | 9.3 | 11 |
| 5 | Metaphor-based metaheuristics, a call for action: the elephant in the room. <i>Swarm Intelligence</i> , 1 | 3 | 4 |
| 4 | Research trends in combinatorial optimization. <i>International Transactions in Operational Research</i> , | 2.9 | 2 |
| 3 | 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 |
| 2 | Metaheuristics for the Multimodal Optimization of Hazmat Transports 163-181 | | 1 |
| 1 | Metaheuristics for Robust Planning and Scheduling 123-141 | | |

