GÃ¼nther Raidl

List of Publications by Year
in descending order

49 papers	761 citations	623188 14 h-index	552369 26 g-index
50 all docs	50 docs citations	50 times ranked	653 citing authors

#	Article	IF	Citations
1	Metaheuristics for solving a multimodal home-healthcare scheduling problem. Central European Journal of Operations Research, 2015, 23, 89-113.	1.1	153
2	Empirical Analysis of Locality, Heritability and Heuristic Bias in Evolutionary Algorithms: A Case Study for the Multidimensional Knapsack Problem. Evolutionary Computation, 2005, 13, 441-475.	2.3	76
3	PILOT, GRASP, and VNS approaches for the static balancing of bicycle sharing systems. Journal of Global Optimization, 2015, 63, 597-629.	1.1	71
4	Solving the post enrolment course timetabling problem by ant colony optimization. Annals of Operations Research, 2012, 194, 325-339.	2.6	56
5	Combining variable neighborhood search with integer linear programming for the generalized minimum spanning tree problem. Journal of Heuristics, 2008, 14, 473-499.	1.1	38
6	Bringing order into the neighborhoods: relaxation guided variable neighborhood search. Journal of Heuristics, 2008, 14, 457-472.	1.1	32
7	Models and algorithms for competitive facility location problems with different customer behavior. Annals of Mathematics and Artificial Intelligence, 2016, 76, 93-119.	0.9	31
8	Full-load route planning for balancing bike sharing systems by logic-based benders decomposition. Networks, 2017, 69, 270-289.	1.6	25
9	A hybrid genetic algorithm with solution archive for the discrete $$(r\|p)$$ (r | p) -centroid problem. Journal of Heuristics, 2015, 21, 391-431.	1.1	23
10	Solving a selective dial-a-ride problem with logic-based Benders decomposition. Computers and Operations Research, 2018, 96, 30-54.	2.4	23
11	Branch-and-Cut-and-Price for Capacitated Connected Facility Location. Mathematical Modelling and Algorithms, 2011, 10, 245-267.	0.5	22
12	A Genetic Algorithm in Combination with a Solution Archive for Solving the Generalized Vehicle Routing Problem with Stochastic Demands. Transportation Science, 2018, 52, 673-690.	2.6	18
13	A memetic algorithm for the virtual network mapping problem. Journal of Heuristics, 2016, 22, 475-505.	1.1	17
14	An Integer L-shaped Method for the Generalized Vehicle Routing Problem with Stochastic Demands. Electronic Notes in Discrete Mathematics, 2016, 52, 245-252.	0.4	14
15	An iterative time-bucket refinement algorithm for a high-resolution resource-constrained project scheduling problem. International Transactions in Operational Research, 2020, 27, 573-613.	1.8	14
16	Enhancing Genetic Algorithms by a Trie-Based Complete Solution Archive. Lecture Notes in Computer Science, 2010, , 239-251.	1.0	14
17	Finding Longest Common Subsequences: New anytime A<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e16706" altimg="si725.svg"><mml:msup><mml:mrow /><mml:mrow><mml:mo>∗</mml:mo></mml:mrow></mml:msup></mml:math>search results. Applied Soft Computing Journal, 2020, 95, 106499.	4.1	13
18	A Memetic Algorithm for Minimum-Cost Vertex-Biconnectivity Augmentation of Graphs. Journal of Heuristics, 2003, 9, 401-427.	1.1	11

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19	Particle therapy patient scheduling with limited starting time variations of daily treatments. International Transactions in Operational Research, 2020, 27, 458-479.	1.8	9
20	Smart Charging of Electric Vehicles Considering SOC-Dependent Maximum Charging Powers. Energies, 2021, 14, 7755.	1.6	8
21	Stabilizing branch-and-price for constrained tree problems. Networks, 2013, 61, 150-170.	1.6	7
22	The generalized minimum edge-biconnected network problem: Efficient neighborhood structures for variable neighborhood search. Networks, 2010, 55, 256-275.	1.6	6
23	New developments in metaheuristics and their applications. Journal of Heuristics, 2016, 22, 359-363.	1.1	6
24	Anytime algorithms for the longest common palindromic subsequence problem. Computers and Operations Research, 2020, 114, 104827.	2.4	6
25	A* Search for Prize-Collecting Job Sequencing with One Common and Multiple Secondary Resources. Annals of Operations Research, 2021, 302, 477-505.	2.6	6
26	A Variable Neighborhood Search for the Generalized Vehicle Routing Problem with Stochastic Demands. Lecture Notes in Computer Science, 2015, , 48-60.	1.0	6
27	Solving a k-Node Minimum Label Spanning Arborescence Problem to Compress Fingerprint Templates. Mathematical Modelling and Algorithms, 2009, 8, 293-334.	0.5	5
28	Computational performance evaluation of two integer linear programming models for the minimum common string partition problem. Optimization Letters, 2016, 10, 189-205.	0.9	5
29	Large neighborhood search for the most strings with few bad columns problem. Soft Computing, 2017, 21, 4901-4915.	2.1	5
30	A*-based construction of decision diagrams for a prize-collecting scheduling problem. Computers and Operations Research, 2021, 126, 105125.	2.4	5
31	Solving the Longest Common Subsequence Problem Concerning Non-Uniform Distributions of Letters in Input Strings. Mathematics, 2021, 9, 1515.	1.1	5
32	An A* search algorithm for the constrained longest common subsequence problem. Information Processing Letters, 2021, 166, 106041.	0.4	4
33	Job Sequencing with One Common and Multiple Secondary Resources: A Problem Motivated from Particle Therapy for Cancer Treatment. Lecture Notes in Computer Science, 2018, , 506-518.	1.0	4
34	Particle Therapy Patient Scheduling: Time Estimation for Scheduling Sets of Treatments. Lecture Notes in Computer Science, 2018, , 364-372.	1.0	4
35	A Lagrangian Relax-and-Cut Approach for the Bounded Diameter Minimum Spanning Tree Problem. , 2008, , .		3
36	On solving the most strings with few bad columns problem: An ILP model and heuristics. , 2015, , .		3

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37	A General Cooperative Optimization Approach for Distributing Service Points in Mobility Applications. Algorithms, 2021, 14, 232.	1.2	3
38	Using Optimized Virtual Network Embedding for Network Dimensioning. , 2013, , .		2
39	Graph search and variable neighborhood search for finding constrained longest common subsequences in artificial and real gene sequences. Applied Soft Computing Journal, 2022, 122, 108844.	4.1	2
40	Fingerprint Template Compression by Solving a Minimum Label k-Node Subtree Problem. AIP Conference Proceedings, 2007, , .	0.3	1
41	A Multi-Commodity Flow Based Model for Multi Layer Hierarchical Ring Network Design. Electronic Notes in Discrete Mathematics, 2016, 52, 189-196.	0.4	1
42	Job sequencing with one common and multiple secondary resources: An AâŽ/Beam Search based anytime algorithm. Artificial Intelligence, 2019, 277, 103173.	3.9	1
43	Route Duration Prediction in a Stochastic and Dynamic Vehicle Routing Problem with Short Delivery Deadlines. Procedia Computer Science, 2021, 180, 366-370.	1.2	1
44	Strategies for Iteratively Refining Layered Graph Models. Lecture Notes in Computer Science, 2019, , 46-62.	1.0	1
45	A Variable Neighborhood Search for the Job Sequencing with One Common and Multiple Secondary Resources Problem. Lecture Notes in Computer Science, 2020, , 385-398.	1.0	1
46	A lower bound for the smallest uniquely hamiltonian planar graph with minimum degree three. Applied Mathematics and Computation, 2020, 380, 125233.	1.4	0
47	A model for finding transition-minors. Discrete Applied Mathematics, 2020, 283, 242-264.	0.5	0
48	Multivalued decision diagrams for prize-collecting job sequencing with one common and multiple secondary resources. Annals of Operations Research, 2021, 302, 507-531.	2.6	0
49	A$*$-Based Compilation of Relaxed Decision Diagrams for the Longest Common Subsequence Problem. Lecture Notes in Computer Science, 2021, , 72-88.	1.0	0