

PetricÄ C Pop

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2694824/publications.pdf>

Version: 2024-02-01

69
papers

831
citations

567144

15
h-index

610775

24
g-index

77
all docs

77
docs citations

77
times ranked

543
citing authors

#	ARTICLE	IF	CITATIONS
1	New mathematical models of the generalized vehicle routing problem and extensions. Applied Mathematical Modelling, 2012, 36, 97-107.	2.2	73
2	An improved hybrid algorithm for solving the generalized vehicle routing problem. Neurocomputing, 2013, 109, 76-83.	3.5	51
3	The generalized minimum spanning tree problem: An overview of formulations, solution procedures and latest advances. European Journal of Operational Research, 2020, 283, 1-15.	3.5	49
4	A novel two-level optimization approach for clustered vehicle routing problem. Computers and Industrial Engineering, 2018, 115, 304-318.	3.4	39
5	A two-level solution approach for solving the generalized minimum spanning tree problem. European Journal of Operational Research, 2018, 265, 478-487.	3.5	34
6	A new relaxation method for the generalized minimum spanning tree problem. European Journal of Operational Research, 2006, 170, 900-908.	3.5	31
7	An efficient Reverse Distribution System for solving sustainable supply chain network design problem. Journal of Applied Logic, 2015, 13, 105-113.	1.1	31
8	An improved immigration memetic algorithm for solving the heterogeneous fixed fleet vehicle routing problem. Neurocomputing, 2015, 150, 58-66.	3.5	24
9	An improved hybrid ant-local search algorithm for the partition graph coloring problem. Journal of Computational and Applied Mathematics, 2016, 293, 55-61.	1.1	24
10	New Integer Programming Formulations of the Generalized Travelling Salesman Problem. American Journal of Applied Sciences, 2007, 4, 932-937.	0.1	23
11	Optical character recognition in real environments using neural networks and k-nearest neighbor. Applied Intelligence, 2013, 39, 739-748.	3.3	20
12	A novel matheuristic approach for a two-stage transportation problem with fixed costs associated to the routes. Computers and Operations Research, 2020, 118, 104906.	2.4	20
13	A memetic algorithm approach for solving the multidimensional multi-way number partitioning problem. Applied Mathematical Modelling, 2013, 37, 9191-9202.	2.2	19
14	New Models of the Generalized Minimum Spanning Tree Problem. Mathematical Modelling and Algorithms, 2004, 3, 153-166.	0.5	18
15	A hybrid based genetic algorithm for solving a capacitated fixed-charge transportation problem. Carpathian Journal of Mathematics, 2016, 32, 225-232.	0.4	17
16	An efficient genetic algorithm for solving the generalized traveling salesman problem. , 2010, , .		16
17	An Effective Genetic Algorithm for Solving the Clustered Shortest-Path Tree Problem. IEEE Access, 2021, 9, 15570-15591.	2.6	16
18	On the complexity of the selective graph coloring problem in some special classes of graphs. Theoretical Computer Science, 2014, 540-541, 89-102.	0.5	15

#	ARTICLE	IF	CITATIONS
19	Solving the two-stage fixed-charge transportation problem with a hybrid genetic algorithm. Carpathian Journal of Mathematics, 2017, 33, 365-371.	0.4	15
20	Reducing the bandwidth of a sparse matrix with a genetic algorithm. Optimization, 2014, 63, 1851-1876.	1.0	13
21	On the Selective Vehicle Routing Problem. Mathematics, 2020, 8, 771.	1.1	11
22	A hybrid heuristic approach for solving the generalized traveling salesman problem. , 2011, , .		10
23	On the Two-Stage Transportation Problem With Fixed Charge for Opening the Distribution Centers. IEEE Access, 2019, 7, 113684-113698.	2.6	10
24	A Variable Neighborhood Search Approach for Solving the Generalized Vehicle Routing Problem. Lecture Notes in Computer Science, 2014, , 13-24.	1.0	10
25	A Hybrid Diploid Genetic Based Algorithm for Solving the Generalized Traveling Salesman Problem. Lecture Notes in Computer Science, 2017, , 149-160.	1.0	10
26	A Sensitive Metaheuristic for Solving a Large Optimization Problem. , 2008, , 551-559.		9
27	A Novel Hybrid Algorithm for Solving the Clustered Vehicle Routing Problem. Lecture Notes in Computer Science, 2015, , 679-689.	1.0	8
28	A new efficient transformation of the generalized vehicle routing problem into the classical vehicle routing problem. Yugoslav Journal of Operations Research, 2011, 21, 187-198.	0.5	8
29	A novel genetic algorithm for solving the clustered shortest-path tree problem. Carpathian Journal of Mathematics, 2020, 36, 401-414.	0.4	8
30	Applying evolutionary computation for evolving ontologies. , 2014, , .		7
31	Context Quality Impact in Context-Aware Data Mining for Predicting Soil Moisture. Cybernetics and Systems, 2020, 51, 668-684.	1.6	7
32	An Efficient Hybrid Genetic Approach for Solving the Two-Stage Supply Chain Network Design Problem with Fixed Costs. Mathematics, 2020, 8, 712.	1.1	7
33	An Efficient Hybrid Soft Computing Approach to the Generalized Vehicle Routing Problem. Advances in Intelligent and Soft Computing, 2011, , 281-289.	0.2	7
34	A Memetic Algorithm with Two Distinct Solution Representations for the Partition Graph Coloring Problem. Lecture Notes in Computer Science, 2013, , 219-226.	1.0	7
35	An efficient iterated local search heuristic algorithm for the two-stage fixed-charge transportation problem. Carpathian Journal of Mathematics, 2019, 35, 153-164.	0.4	7
36	A two-level diploid genetic based algorithm for solving the family traveling salesman problem. , 2018, , .		6

#	ARTICLE	IF	CITATIONS
37	Towards secure & green two-stage supply chain networks. Logic Journal of the IGPL, 2019, 27, 137-148.	1.3	6
38	Context-Aware Data Mining vs Classical Data Mining: Case Study on Predicting Soil Moisture. Advances in Intelligent Systems and Computing, 2020, , 199-208.	0.5	6
39	A Parallel Algorithm for Solving a Two-Stage Fixed-Charge Transportation Problem. Informatica, 2020, , 1-26.	1.5	6
40	Exact Algorithms for Generalized Combinatorial Optimization Problems. Lecture Notes in Computer Science, 2007, , 154-162.	1.0	6
41	The Railway Traveling Salesman Problem. , 2007, , 264-275.		6
42	A Hybrid Genetic Algorithm with Variable Neighborhood Search Approach to the Number Partitioning Problem. Lecture Notes in Computer Science, 2013, , 649-658.	1.0	5
43	On the resilience of an ant-based system in fuzzy environments. An empirical study. , 2014, , .		5
44	Denial jamming attacks on wireless sensor network using sensitive agents. Logic Journal of the IGPL, 0, , jzv046.	1.3	5
45	Sensitive Ants for Denial Jamming Attack on Wireless Sensor Network. Advances in Intelligent Systems and Computing, 2014, , 409-418.	0.5	5
46	Selective Graph Coloring in Some Special Classes of Graphs. Lecture Notes in Computer Science, 2012, , 320-331.	1.0	4
47	Design and comparison of two evolutionary approaches for automated product design. Soft Computing, 2016, 20, 4257-4269.	2.1	4
48	A decomposition-based method for solving the clustered vehicle routing problem. Logic Journal of the IGPL, 2018, 26, 83-95.	1.3	4
49	Test Case Prioritization"ANT Algorithm With Faults Severity. Logic Journal of the IGPL, 2020, , .	1.3	4
50	Secure traveling salesman problem with intelligent transport systems features. Logic Journal of the IGPL, 2021, 29, 925-935.	1.3	4
51	A Hybrid Ant-Based System for Gate Assignment Problem. Lecture Notes in Computer Science, 2008, , 273-280.	1.0	3
52	A hybrid approach based on genetic algorithms for solving the Clustered Vehicle Routing Problem. , 2014, , .		3
53	An Analysis of the Hardness of Novel TSP Iberian Instances. Lecture Notes in Computer Science, 2016, , 353-364.	1.0	3
54	An Efficient Soft Computing Approach for Solving the Two-Stage Transportation Problem with Fixed Costs. Advances in Intelligent Systems and Computing, 2020, , 523-532.	0.5	3

#	ARTICLE	IF	CITATIONS
55	An Ant Algorithm for the Partition Graph Coloring Problem. Lecture Notes in Computer Science, 2015, , 78-84.	1.0	3
56	Classical Hybrid Approaches on a Transportation Problem with Gas Emissions Constraints. Advances in Intelligent Systems and Computing, 2013, , 449-458.	0.5	3
57	On the Two-Stage Supply Chain Network Design Problem with Risk-Pooling and Lead Times. Cybernetics and Systems, 2023, 54, 321-338.	1.6	3
58	Economical connections between several European countries based on TSP data. Logic Journal of the IGPL, 2020, 28, 33-44.	1.3	2
59	An Effective Hybrid Genetic Algorithm for Solving the Generalized Traveling Salesman Problem. Lecture Notes in Computer Science, 2021, , 113-123.	1.0	2
60	A Novel Hybrid Genetic Algorithm for the Two-Stage Transportation Problem with Fixed Charges Associated to the Routes. Lecture Notes in Computer Science, 2020, , 417-428.	1.0	2
61	An efficient solution approach for solving the two-stage supply chain problem with fixed costs associated to the routes. Procedia Computer Science, 2019, 162, 900-907.	1.2	1
62	Solving the Test Case Prioritization Problem with Secure Features Using Ant Colony System. Advances in Intelligent Systems and Computing, 2020, , 67-76.	0.5	1
63	An Efficient Hybrid Genetic Algorithm for Solving a Particular Two-Stage Fixed-Charge Transportation Problem. Lecture Notes in Computer Science, 2019, , 157-167.	1.0	1
64	How Noisy and Missing Context Influences Predictions in a Practical Context-Aware Data Mining System. Advances in Intelligent Systems and Computing, 2021, , 22-32.	0.5	1
65	Influence of context availability and soundness in predicting soil moisture using the Context-Aware Data Mining approach. Logic Journal of the IGPL, 2023, 31, 762-774.	1.3	1
66	Similarities and sensitivity: Immune and ant algorithms applied towards robotics. , 2017, , .		0
67	Studying Heuristics Adaptation to a Specific Degree of Fuzziness. , 2020, , .		0
68	Solving a Two-stage Supply Chain Network Design Problem with Fixed Costs by a Hybrid Genetic Algorithm. Logic Journal of the IGPL, 0, , .	1.3	0
69	An Innovative Approach to Manage Heterogeneous Information Using Relational Database Systems. Advances in Intelligent Systems and Computing, 2017, , 1-10.	0.5	0