

Paola Festa

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

1,498
citations

471509

17
h-index

345221

36
g-index

80
all docs

80
docs citations

80
times ranked

1014
citing authors

#	ARTICLE	IF	CITATIONS
1	Randomized heuristics for the Max-Cut problem. Optimization Methods and Software, 2002, 17, 1033-1058.	2.4	157
2	An annotated bibliography of GRASP " Part I: Algorithms. International Transactions in Operational Research, 2009, 16, 1-24.	2.7	153
3	Grasp: An Annotated Bibliography. Operations Research/ Computer Science Interfaces Series, 2002, , 325-367.	0.3	153
4	An annotated bibliography of GRASP"Part II: Applications. International Transactions in Operational Research, 2009, 16, 131-172.	2.7	150
5	GRASP: basic components and enhancements. Telecommunication Systems, 2011, 46, 253-271.	2.5	58
6	Enhancing and extending the classical GRASP framework with biased randomisation and simulation. Journal of the Operational Research Society, 2019, 70, 1362-1375.	3.4	54
7	A biased"randomized iterated local search for the distributed assembly permutation flow"shop problem. International Transactions in Operational Research, 2020, 27, 1368-1391.	2.7	50
8	Structural damage detection and localization using decision tree ensemble and vibration data. Computer-Aided Civil and Infrastructure Engineering, 2021, 36, 1129-1149.	9.8	50
9	Integer programming models for feature selection: New extensions and a randomized solution algorithm. European Journal of Operational Research, 2016, 250, 389-399.	5.7	49
10	A reinforcement learning iterated local search for makespan minimization in additive manufacturing machine scheduling problems. Computers and Operations Research, 2021, 131, 105272.	4.0	44
11	A Bus Driver Scheduling Problem: a"new mathematical model and a GRASP approximate solution. Journal of Heuristics, 2011, 17, 441-466.	1.4	34
12	The constrained shortest path tour problem. Computers and Operations Research, 2016, 74, 64-77.	4.0	34
13	On some optimization problems in molecular biology. Mathematical Biosciences, 2007, 207, 219-234.	1.9	32
14	Algorithm 815. ACM Transactions on Mathematical Software, 2001, 27, 456-464.	2.9	27
15	Logic classification and feature selection for biomedical data. Computers and Mathematics With Applications, 2008, 55, 889-899.	2.7	26
16	Solving the shortest path tour problem. European Journal of Operational Research, 2013, 230, 464-474.	5.7	24
17	Complexity analysis and optimization of the shortest path tour problem. Optimization Letters, 2012, 6, 163-175.	1.6	20
18	An efficient coded multicasting scheme preserving the multiplicative caching gain. , 2015, , .		19

#	ARTICLE	IF	CITATIONS
19	An efficient exact approach for the constrained shortest path tour problem. Optimization Methods and Software, 2020, 35, 1-20.	2.4	19
20	An edge-swap heuristic for generating spanning trees with minimum number of branch vertices. Optimization Letters, 2014, 8, 1225-1243.	1.6	17
21	Hybridizations of GRASP with Path-Relinking. Studies in Computational Intelligence, 2013, , 135-155.	0.9	17
22	A biased random-key genetic algorithm for data clustering. Mathematical Biosciences, 2013, 245, 76-85.	1.9	16
23	MaNGA: a novel multi-niche multi-objective genetic algorithm for QSAR modelling. Bioinformatics, 2020, 36, 145-153.	4.1	15
24	Shortest Path Algorithms. , 2006, , 185-210.		15
25	Hybridizations of GRASP with path relinking for the far from most string problem. International Transactions in Operational Research, 2016, 23, 481-506.	2.7	14
26	SHORTEST PATHS ON DYNAMIC GRAPHS: A SURVEY. Pesquisa Operacional, 2017, 37, 487-508.	0.4	14
27	Shortest path tour problem with time windows. European Journal of Operational Research, 2020, 282, 334-344.	5.7	13
28	Solving a bus driver scheduling problem with randomized multistart heuristics. International Transactions in Operational Research, 2011, 18, 707-727.	2.7	12
29	Topology optimization of stress-constrained structural elements using risk-factor approach. Computers and Structures, 2019, 224, 106104.	4.4	12
30	Hybrid GRASP Heuristics. Studies in Computational Intelligence, 2009, , 75-100.	0.9	11
31	Efficient solutions for the far from most string problem. Annals of Operations Research, 2012, 196, 663-682.	4.1	11
32	Vehicular crowd-sensing: a parametric routing algorithm to increase spatio-temporal road network coverage. International Journal of Geographical Information Science, 0, , 1-29.	4.8	10
33	Hybrid Metaheuristics for the Far From Most String Problem. Lecture Notes in Computer Science, 2013, , 174-188.	1.3	10
34	A new meta-heuristic for the Bus Driver Scheduling Problem: GRASP combined with Rollout. , 2007, , .		9
35	Automatic Tuning of GRASP with Path-Relinking Heuristics with a Biased Random-Key Genetic Algorithm. Lecture Notes in Computer Science, 2010, , 338-349.	1.3	9
36	Shortest Path Auction Algorithm Without Contractions Using Virtual Source Concept. Computational Optimization and Applications, 2003, 26, 191-208.	1.6	8

#	ARTICLE	IF	CITATIONS
37	INTEGRATING BIASED-RANDOMIZED GRASP WITH MONTE CARLO SIMULATION FOR SOLVING THE VEHICLE ROUTING PROBLEM WITH STOCHASTIC DEMANDS. , 2018, , .		8
38	Heuristics for the Constrained Incremental Graph Drawing Problem. European Journal of Operational Research, 2019, 274, 710-729.	5.7	8
39	Tabu search for min-max edge crossing in graphs. Computers and Operations Research, 2020, 114, 104830.	4.0	8
40	A dynamic programming algorithm for solving the k-Color Shortest Path Problem. Optimization Letters, 2021, 15, 1973-1992.	1.6	8
41	GRASP with Path-Relinking for Data Clustering: A Case Study for Biological Data. Lecture Notes in Computer Science, 2011, , 410-420.	1.3	8
42	A GRASP with penalty objective function for the Green Vehicle Routing Problem with Private Capacitated Stations. Computers and Operations Research, 2022, 143, 105770.	4.0	7
43	Graph Collapsing in Shortest Path Auction Algorithms. Computational Optimization and Applications, 2001, 18, 199-220.	1.6	6
44	Feedback Set Problems. , 2008, , 1005-1016.		6
45	A Hybrid Ant Colony Optimization Algorithm for the Far From Most String Problem. Lecture Notes in Computer Science, 2014, , 1-12.	1.3	6
46	The Auction Technique for the Sensor Based Navigation Planning of an Autonomous Mobile Robot. Journal of Intelligent and Robotic Systems: Theory and Applications, 1998, 21, 373-395.	3.4	5
47	A New Local Search for the p-Center Problem Based on the Critical Vertex Concept. Lecture Notes in Computer Science, 2017, , 79-92.	1.3	5
48	Combining variable neighborhood search and machine learning to solve the vehicle routing problem with crowd-shipping. Optimization Letters, 2023, 17, 1981-2003.	1.6	5
49	Logic based methods for SNPs tagging and reconstruction. Computers and Operations Research, 2010, 37, 1419-1426.	4.0	4
50	GRASP. , 2018, , 465-488.		4
51	The constrained forward shortest path tour problem: Mathematical modeling and GRASP approximate solutions. Networks, 2021, 78, 17-31.	2.7	4
52	The k-Color Shortest Path Problem. AIRO Springer Series, 2019, , 367-376.	0.6	4
53	Combining simulation with a GRASP metaheuristic for solving the permutation flow-shop problem with stochastic processing times. , 2016, , .		3
54	Reoptimizing shortest paths: From state of the art to new recent perspectives. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
55	An auction-based approach for the re-optimization shortest path tree problem. Computational Optimization and Applications, 2019, 74, 851-893.	1.6	3
56	Solution approaches for the vehicle routing problem with occasional drivers and time windows. Optimization Methods and Software, 2022, 37, 1384-1414.	2.4	3
57	Dental and Periodontal Care at the Bedside Using a Portable Dental Unit in Hospitalized Special Needs Patients: The Experience of an Italian Pediatric Hospital. International Journal of Environmental Research and Public Health, 2021, 18, 7987.	2.6	2
58	Adapting the A* Algorithm to Increase Vehicular Crowd-Sensing Coverage. Lecture Notes in Computer Science, 2018, , 331-343.	1.3	2
59	A GRASP for the Minimum Cost SAT Problem. Lecture Notes in Computer Science, 2017, , 64-78.	1.3	2
60	A nonmonotone GRASP. Mathematical Programming Computation, 2016, 8, 271-309.	4.8	1
61	On the fast solution of the p-center problem. , 2017, , .		1
62	On Some Special Network Flow Problems: The Shortest Path Tour Problems. Springer Proceedings in Mathematics and Statistics, 2012, , 245-263.	0.2	1
63	Solving Biclustering with a GRASP-Like Metaheuristic: Two Case-Studies on Gene Expression Analysis. Lecture Notes in Computer Science, 2012, , 253-267.	1.3	1
64	The Rainbow Steiner Tree Problem. Computers and Operations Research, 2022, 139, 105621.	4.0	1
65	Using Grasp for Choosing Best Periodic Observation Strategy in Stochastic Systems Filtering. , 2002, , 55-72.		0
66	Optimization Techniques in Computing Good Quality Solutions to Sequence Alignment Problems. AIP Conference Proceedings, 2008, , .	0.4	0
67	Combinatorial Optimization Approaches for Data Clustering. , 2016, , 109-134.		0
68	Shortest path reoptimization vs resolution from scratch: a computational comparison. Optimization Methods and Software, 0, , 1-23.	2.4	0
69	Comments on: Tabu search tutorial. A Graph Drawing Application. Top, 2021, 29, 351-353.	1.6	0
70	On the Far from Most String Problem, One of the Hardest String Selection Problems. Springer Proceedings in Mathematics and Statistics, 2014, , 129-148.	0.2	0
71	GRASP. , 2016, , 1-24.		0
72	Scheduling Assistance for Passengers with Special Needs in Large Scale Airports. Lecture Notes in Computer Science, 2018, , 388-400.	1.3	0