Paola Festa

List of Publications by Year
in descending order

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	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
2	The Rainbow Steiner Tree Problem. Computers and Operations Research, 2022, 139, 105621.	4.0	1
3	Solution approaches for the vehicle routing problem with occasional drivers and time windows. Optimization Methods and Software, 2022, 37, 1384-1414.	2.4	3
4	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
5	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
6	A dynamic programming algorithm for solving the k-Color Shortest Path Problem. Optimization Letters, 2021, 15, 1973-1992.	1.6	8
7	The constrained forward shortest path tour problem: Mathematical modeling and GRASP approximate solutions. Networks, 2021, 78, 17-31.	2.7	4
8	Comments on: Tabu search tutorial. A Graph Drawing Application. Top, 2021, 29, 351-353.	1.6	0
9	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
10	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
11	An efficient exact approach for the constrained shortest path tour problem. Optimization Methods and Software, 2020, 35, 1-20.	2.4	19
12	MaNGA: a novel multi-niche multi-objective genetic algorithm for QSAR modelling. Bioinformatics, 2020, 36, 145-153.	4.1	15
13	Tabu search for min-max edge crossing in graphs. Computers and Operations Research, 2020, 114, 104830.	4.0	8
14	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
15	Shortest path tour problem with time windows. European Journal of Operational Research, 2020, 282, 334-344.	5.7	13
16	An auction-based approach for the re-optimization shortest path tree problem. Computational Optimization and Applications, 2019, 74, 851-893.	1.6	3
17	Topology optimization of stress-constrained structural elements using risk-factor approach. Computers and Structures, 2019, 224, 106104.	4.4	12
18	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

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19	Heuristics for the Constrained Incremental Graph Drawing Problem. European Journal of Operational Research, 2019, 274, 710-729.	5.7	8
20	The k-Color Shortest Path Problem. AIRO Springer Series, 2019, , 367-376.	0.6	4
21	INTEGRATING BIASED-RANDOMIZED GRASP WITH MONTE CARLO SIMULATION FOR SOLVING THE VEHICLE ROUTING PROBLEM WITH STOCHASTIC DEMANDS. , 2018, , .		8
22	GRASP. , 2018, , 465-488.		4
23	Adapting the A* Algorithm to Increase Vehicular Crowd-Sensing Coverage. Lecture Notes in Computer Science, 2018, , 331-343.	1.3	2
24	Scheduling Assistance for Passengers with Special Needs in Large Scale Airports. Lecture Notes in Computer Science, 2018, , 388-400.	1.3	0
25	On the fast solution of the p-center problem. , 2017, , .		1
26	SHORTEST PATHS ON DYNAMIC GRAPHS: A SURVEY. Pesquisa Operacional, 2017, 37, 487-508.	0.4	14
27	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
28	A GRASP for the Minimum Cost SAT Problem. Lecture Notes in Computer Science, 2017, , 64-78.	1.3	2
29	Combining simulation with a GRASP metaheuristic for solving the permutation flow-shop problem with stochastic processing times. , 2016, , .		3
30	The constrained shortest path tour problem. Computers and Operations Research, 2016, 74, 64-77.	4.0	34
31	Combinatorial Optimization Approaches for Data Clustering. , 2016, , 109-134.		0
32	Reoptimizing shortest paths: From state of the art to new recent perspectives. , 2016, , .		3
33	A nonmonotone GRASP. Mathematical Programming Computation, 2016, 8, 271-309.	4.8	1
34	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
35	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
36	GRASP. , 2016, , 1-24.		0

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37	An efficient coded multicasting scheme preserving the multiplicative caching gain. , 2015, , .		19
38	An edge-swap heuristic for generating spanning trees with minimum number of branch vertices. Optimization Letters, 2014, 8, 1225-1243.	1.6	17
39	A Hybrid Ant Colony Optimization Algorithm for the Far From Most String Problem. Lecture Notes in Computer Science, 2014, , 1-12.	1.3	6
40	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
41	Solving the shortest path tour problem. European Journal of Operational Research, 2013, 230, 464-474.	5.7	24
42	A biased random-key genetic algorithm for data clustering. Mathematical Biosciences, 2013, 245, 76-85.	1.9	16
43	Hybridizations of GRASP with Path-Relinking. Studies in Computational Intelligence, 2013, , 135-155.	0.9	17
44	Hybrid Metaheuristics for the Far From Most String Problem. Lecture Notes in Computer Science, 2013, , 174-188.	1.3	10
45	Efficient solutions for the far from most string problem. Annals of Operations Research, 2012, 196, 663-682.	4.1	11
46	Complexity analysis and optimization of the shortest path tour problem. Optimization Letters, 2012, 6, 163-175.	1.6	20
47	On Some Special Network Flow Problems: The Shortest Path Tour Problems. Springer Proceedings in Mathematics and Statistics, 2012, , 245-263.	0.2	1
48	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
49	Solving a bus driver scheduling problem with randomized multistart heuristics. International Transactions in Operational Research, 2011, 18, 707-727.	2.7	12
50	A Bus Driver Scheduling Problem: aÂnew mathematical model and a GRASP approximate solution. Journal of Heuristics, 2011, 17, 441-466.	1.4	34
51	GRASP: basic components and enhancements. Telecommunication Systems, 2011, 46, 253-271.	2.5	58
52	GRASP with Path-Relinking for Data Clustering: A Case Study for Biological Data. Lecture Notes in Computer Science, 2011, , 410-420.	1.3	8
53	Logic based methods for SNPs tagging and reconstruction. Computers and Operations Research, 2010, 37, 1419-1426.	4.0	4
54	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

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55	An annotated bibliography of GRASP â€" Part I: Algorithms. International Transactions in Operational Research, 2009, 16, 1-24.	2.7	153
56	An annotated bibliography of GRASPâ€"Part II: Applications. International Transactions in Operational Research, 2009, 16, 131-172.	2.7	150
57	Hybrid GRASP Heuristics. Studies in Computational Intelligence, 2009, , 75-100.	0.9	11
58	Logic classification and feature selection for biomedical data. Computers and Mathematics With Applications, 2008, 55, 889-899.	2.7	26
59	Optimization Techniques in Computing Good Quality Solutions to Sequence Alignment Problems. AIP Conference Proceedings, 2008, , .	0.4	0
60	Feedback Set Problems. , 2008, , 1005-1016.		6
61	On some optimization problems in molecular biology. Mathematical Biosciences, 2007, 207, 219-234.	1.9	32
62	A new meta-heuristic for the Bus Driver Scheduling Problem: GRASP combined with Rollout. , 2007, , .		9
63	Shortest Path Algorithms. , 2006, , 185-210.		15
64	Shortest Path Auction Algorithm Without Contractions Using Virtual Source Concept. Computational Optimization and Applications, 2003, 26, 191-208.	1.6	8
65	Randomized heuristics for the Max-Cut problem. Optimization Methods and Software, 2002, 17, 1033-1058.	2.4	157
66	Using Grasp for Choosing Best Periodic Observation Strategy in Stochastic Systems Filtering. , 2002, , 55-72.		0
67	Grasp: An Annotated Bibliography. Operations Research/ Computer Science Interfaces Series, 2002, , 325-367.	0.3	153
68	Graph Collapsing in Shortest Path Auction Algorithms. Computational Optimization and Applications, 2001, 18, 199-220.	1.6	6
69	Algorithm 815. ACM Transactions on Mathematical Software, 2001, 27, 456-464.	2.9	27
70	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
71	Shortest path reoptimization vs resolution from scratch: a computational comparison. Optimization Methods and Software, 0, , 1-23.	2.4	0
72	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