Elizabeth Goldbarg

List of Publications by Year
in descending order

65 papers	422 citations	933264 10 h-index	887953 17 g-index
68 all docs	68 docs citations	68 times ranked	302 citing authors

#	Article	IF	Citations
1	A Memetic Algorithm for the Heterogeneous Fleet Vehicle Routing Problem. Electronic Notes in Discrete Mathematics, 2004, 18, 171-176.	0.4	51
2	Transgenetic algorithm for the Traveling Purchaser Problem. European Journal of Operational Research, 2009, 199, 36-45.	3.5	33
3	New VNS heuristic for total flowtime flowshop scheduling problem. Expert Systems With Applications, 2012, 39, 8149-8161.	4.4	32
4	Memetic algorithm for the Traveling Car Renter Problem: an experimental investigation. Memetic Computing, 2012, 4, 89-108.	2.7	28
5	Particle Swarm for the Traveling Salesman Problem. Lecture Notes in Computer Science, 2006, , 99-110.	1.0	26
6	Quota travelling salesman problem with passengers, incomplete ride and collection time optimization by ant-based algorithms. Computers and Operations Research, 2020, 120, 104950.	2.4	19
7	An experimental analysis of evolutionary heuristics for the biobjective traveling purchaser problem. Annals of Operations Research, 2012, 199, 305-341.	2.6	18
8	A transgenetic algorithm applied to the Traveling Car Renter Problem. Expert Systems With Applications, 2013, 40, 6298-6310.	4.4	18
9	Scientific algorithms for the Car Renter Salesman Problem. , 2014, , .		14
10	On the Biobjective Adjacent Only Quadratic Spanning Tree Problem. Electronic Notes in Discrete Mathematics, 2013, 41, 535-542.	0.4	13
11	Hybridizing VNS and path-relinking on a particle swarm framework to minimize total flowtime. Expert Systems With Applications, 2012, 39, 13118-13126.	4.4	12
12	A Memetic Algorithm for the Biobjective Minimum Spanning Tree Problem. Lecture Notes in Computer Science, 2006, , 222-233.	1.0	9
13	Transgenetic Algorithm: A New Endosymbiotic Approach for Evolutionary Algorithms. Studies in Computational Intelligence, 2009, , 425-460.	0.7	9
14	A Multiagent Approach for Metaheuristics Hybridization Applied to the Traveling Salesman Problem. , 2012, , .		8
15	Evolutionary algorithm for the Car Renter Salesman. , 2011, , .		7
16	Optimization techniques for the selection of members and attributes in ensemble systems. , 2011, , .		7
17	Integer programming models and linearizations for the traveling car renter problem. Optimization Letters, 2018, 12, 743-761.	0.9	7
18	Transgenetic algorithm. , 2007, , .		6

#	Article	IF	Citations
19	A New Evolutionary Algorithm for the Bi-objective Minimum Spanning Tree. , 2007, , .		6
20	Evolutionary algorithms for the bi-objective adjacent only quadratic spanning tree. International Journal of Innovative Computing and Applications, 2014, 6, 63.	0.2	6
21	Quota traveling car renter problem: Model and evolutionary algorithm. Information Sciences, 2016, 367-368, 232-245.	4.0	6
22	Comparing PSO and NSGA II for the biobjective Oil Derivatives Distribution Problem. , 2010, , .		5
23	The Bi-objective Problem of Distribution of Oil Products by Pipeline Networks Approached by a Particle Swarm Optimization Algorithm. , 2009, , .		4
24	Transgenetic algorithm for the periodic mobile piston pump unit routing problem with continuous oil replenishment. International Journal of Innovative Computing and Applications, 2010, 2, 203.	0.2	4
25	Analyzing the impact of MOACO components: An algorithmic study on the multi-objective shortest path problem. Expert Systems With Applications, 2013, 40, 345-355.	4.4	4
26	A Hybrid Metaheuristic for the Traveling Car Renter Salesman Problem. , 2017, , .		4
27	A PSO-inspired architecture to hybridise multi-objective metaheuristics. Memetic Computing, 2020, 12, 235-249.	2.7	4
28	A Plasmid Based Transgenetic Algorithm for the Biobjective Minimum Spanning Tree Problem. Lecture Notes in Computer Science, 2009, , 49-60.	1.0	4
29	TA-PFP: A Transgenetic Algorithm to Solve the Protein Folding Problem. , 2007, , .		3
30	A memetic algorithm for the prize-collecting Traveling Car Renter Problem. , 2014, , .		3
31	A hybrid metaheuristic using a corrected formulation for the Traveling Car Renter Salesman Problem. , 2017, , .		3
32	MO-MAHM: A parallel Multi-agent Architecture for Hybridization of Metaheuristics for multi-objective problems. , 2017, , .		3
33	Empirical study of exact algorithms for the multi-objective spanning tree. Computational Optimization and Applications, 2020, 75, 561-605.	0.9	3
34	Models and linearizations for the Traveling Car Renter with Passengers. Optimization Letters, 2021, 15, 59-81.	0.9	3
35	Algoritmo evolucionário para otimização do plano de tratamento em radioterapia conformal 3D. Pesquisa Operacional, 2009, 29, 239-267.	0.1	2
36	A Transgenetic Algorithm for the bi-objective traveling purchaser problem. , 2010, , .		2

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37	A new transgenetic approach for the biobjective spanning tree problem. , 2010, , .		2
38	A Memetic Algorithm for the Car Renter Salesman Problem. , 0, , .		2
39	Transgenetic Algorithms for the Multi-objective Quadratic Assignment Problem. , 2014, , .		2
40	A Multi-objective Version of the Lin-Kernighan Heuristic for the Traveling Salesman Problem. Revista De Informatica Teorica E Aplicada, 2018, 25, 48.	0.2	2
41	Prize Collecting Traveling Salesman Problem with Ridesharing. Revista De Informatica Teorica E Aplicada, 2020, 27, 13-29.	0.2	2
42	A Hybrid Transgenetic Algorithm for the Prize Collecting Steiner Tree Problem. , 2007, , .		2
43	A protog algorithm applied to the traveling salesman problem. , 0, , .		1
44	A Hybrid Transgenetic Algorithm for the Prize Collecting Steiner Tree Problem. , 2007, , .		1
45	Transgenetic algorithm for the biobjective oil derivatives distribution problem. , 2011, , .		1
46	Solving the light up with Ant Colony Optimization. , 2011, , .		1
47	An experimental study of variable depth search algorithms for the quadratic assignment problem. Pesquisa Operacional, 2012, 32, 165-196.	0.1	1
48	Evolutionary algorithms for a three-objectives oil derivatives network problem. , 2013, , .		1
49	An experimental analysis of evolutionary algorithms for the three-objective oil derivatives distribution problem. , 2014, , .		1
50	Tabu Search with Ejection Chain for the Biobjective Adjacent-Only Quadratic Spanning Tree. , 2016, , .		1
51	Multi-objective model to address planning in a RTS game. , 2016, , .		1
52	A Multi-agent Transgenetic Algorithm for the Bi-objective Spanning Tree Problem. Electronic Notes in Theoretical Computer Science, 2019, 346, 449-460.	0.9	1
53	Evolutionary algorithms for the Traveling Car Renter with Passengers. , 2020, , .		1
54	Investigation of Archiving Techniques for Evolutionary Multi-objective Optimizers. Revista De Informatica Teorica E Aplicada, 2018, 25, 11.	0.2	1

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55	Traveling Salesman Problem with Optional Bonus Collection, Pickup Time and Passengers. Revista De Informatica Teorica E Aplicada, 2020, 27, 62-82.	0.2	1
56	TA-PFP: A Transgenetic Algorithm to Solve the Protein Folding Problem. , 2007, , .		1
57	A New Neighborhood for the QAP. Electronic Notes in Discrete Mathematics, 2008, 30, 3-8.	0.4	0
58	Selecting beam directions in radiotherapy with an evolutionary algorithm. , 2008, , .		0
59	Improved Cultural Immune Systems to solve the economic load dispatch problems. , 2013, , .		0
60	Analyzing Limited Size Archivers of Multi-objective Optimizers. , 2014, , .		0
61	An algorithm based on Voronoi diagrams for the multi-stream multi-source multicast routing problem. International Journal of Innovative Computing and Applications, 2018, 9, 216.	0.2	0
62	Evolutionary Algorithms for the Traveling Salesman with Multiple Passengers and High Occupancy Problem. , 2020, , .		0
63	On the three-objective static unconstrained leaf sequencing in IMRT. Medical and Biological Engineering and Computing, 2020, 58, 2025-2037.	1.6	0
64	Um Algoritmo HÃbrido para o Problema da Clique MÃ¡xima. Brazilian Journal of Development, 2020, 6, 36730-36754.	0.0	0
65	A New Evolutionary Algorithm for the Bi-objective Minimum Spanning Tree. , 2007, , .		0