Mauricio G C Resende

List of Publications by Year
in descending order

59	6,995	168829	182931
papers	citations	31 h-index	54 g-index

61	61	61	3992
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A lightâ€touch routing optimization tool (RoOT) for vaccine and medical supply distribution in Mozambique. International Transactions in Operational Research, 2021, 28, 2334-2358.	1.8	18
2	New Instances for Maximum Weight Independent Set From a Vehicle Routing Application. SN Operations Research Forum, 2021, 2, 1.	0.6	1
3	Near-Optimal Disjoint-Path Facility Location Through Set Cover by Pairs. Operations Research, 2020, 68, 896-926.	1.2	7
4	Hybrid algorithms for placement of virtual machines across geo-separated data centers. Journal of Combinatorial Optimization, 2019, 38, 748-793.	0.8	4
5	On the minimization of traffic congestion in road networks with tolls. Annals of Operations Research, 2017, 249, 119-139.	2.6	34
6	A biased randomâ€key genetic algorithm for scheduling heterogeneous multiâ€round systems. International Transactions in Operational Research, 2017, 24, 1061-1077.	1.8	27
7	A biased random-key genetic algorithm for the tree of hubs location problem. Optimization Letters, 2017, 11, 1371-1384.	0.9	10
8	A biased random key genetic algorithm for the field technician scheduling problem. Computers and Operations Research, 2016, 75, 49-63.	2.4	26
9	Optimization by GRASP. , 2016, , .		73
10	Hybridizations of GRASP with path relinking for the far from most string problem. International Transactions in Operational Research, 2016, 23, 481-506.	1.8	14
11	A biased randomâ€key genetic algorithm for the minimization of open stacks problem. International Transactions in Operational Research, 2016, 23, 25-46.	1.8	31
12	A biased randomâ€key genetic algorithm for singleâ€round divisible load scheduling. International Transactions in Operational Research, 2015, 22, 823-839.	1.8	25
13	A biased random-key genetic algorithm for the capacitated minimum spanning tree problem. Computers and Operations Research, 2015, 57, 95-108.	2.4	35
14	A biased random-key genetic algorithm for wireless backhaul network design. Applied Soft Computing Journal, 2015, 33, 150-169.	4.1	17
15	A Biased Random-key Genetic Algorithm for Placement of Virtual Machines across Geo-Separated Data Centers. , 2015, , .		9
16	A C++application programming interface for biased random-key genetic algorithms. Optimization Methods and Software, 2015, 30, 81-93.	1.6	59
17	Randomized heuristics for the family traveling salesperson problem. International Transactions in Operational Research, 2014, 21, 41-57.	1.8	41
18	Improved heuristics for the regenerator location problem. International Transactions in Operational Research, 2014, 21, 541-558.	1.8	24

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19	An extended Akers graphical method with a biased randomâ€key genetic algorithm for jobâ€shop scheduling. International Transactions in Operational Research, 2014, 21, 215-246.	1.8	48
20	On the improvement of blood sample collection at clinical laboratories. BMC Health Services Research, 2014, 14, 12.	0.9	36
21	GRASP: Greedy Randomized Adaptive Search Procedures. , 2014, , 287-312.		38
22	An edge-swap heuristic for generating spanning trees with minimum number of branch vertices. Optimization Letters, 2014, 8, 1225-1243.	0.9	17
23	Finding multiple roots of a box-constrained system of nonlinear equations with a biased random-key genetic algorithm. Journal of Global Optimization, 2014, 60, 289-306.	1.1	26
24	A biased random key genetic algorithm for 2D and 3D bin packing problems. International Journal of Production Economics, 2013, 145, 500-510.	5.1	117
25	Multi-start methods for combinatorial optimization. European Journal of Operational Research, 2013, 226, 1-8.	3.5	133
26	Hybridizations of GRASP with Path-Relinking. Studies in Computational Intelligence, 2013, , 135-155.	0.7	17
27	A biased random-key genetic algorithm for the Steiner triple covering problem. Optimization Letters, 2012, 6, 605-619.	0.9	19
28	Biased random-key genetic algorithms with applications in telecommunications. Top, 2012, 20, 130-153.	1.1	27
29	Path-relinking intensification methods for stochastic local search algorithms. Journal of Heuristics, 2012, 18, 193-214.	1.1	57
30	Disjoint-Path Facility Location: Theory and Practice. , 2011, , 60-74.		12
31	Correspondence of projected 3-D points and lines using a continuous GRASP. International Transactions in Operational Research, 2011, 18, 493-511.	1.8	2
32	A biased random-key genetic algorithm withÂforward-backward improvement forÂtheÂresource constrained project scheduling problem. Journal of Heuristics, 2011, 17, 467-486.	1.1	74
33	Biased random-key genetic algorithms forÂcombinatorial optimization. Journal of Heuristics, 2011, 17, 487-525.	1.1	391
34	GRASP with path-relinking for the generalized quadratic assignment problem. Journal of Heuristics, 2011, 17, 527-565.	1.1	49
35	A parallel multi-population genetic algorithm forÂaÂconstrained two-dimensional orthogonal packingÂproblem. Journal of Combinatorial Optimization, 2011, 22, 180-201.	0.8	58
36	A biased random-key genetic algorithm for routing and wavelength assignment. Journal of Global Optimization, 2011, 50, 503-518.	1.1	54

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37	Experiments with LAGRASP heuristic for set k-covering. Optimization Letters, 2011, 5, 407-419.	0.9	12
38	GRASP with path relinking heuristics for the antibandwidth problem. Networks, 2011, 58, 171-189.	1.6	36
39	A biased random-key genetic algorithm for road congestion minimization. Optimization Letters, 2010, 4, 619-633.	0.9	39
40	Continuous GRASP with a local active-set method for bound-constrained global optimization. Journal of Global Optimization, 2010, 48, 289-310.	1.1	5
41	GRASP and path relinking for the maxâ€“min diversity problem. Computers and Operations Research, 2010, 37, 498-508.	2.4	160
42	Solving scalarized multiâ€objective network flow problems using an interior point method. International Transactions in Operational Research, 2010, 17, 607-636.	1.8	6
43	Scatter Search and Path-Relinking: Fundamentals, Advances, and Applications. Profiles in Operations Research, 2010, , 87-107.	0.3	63
44	An annotated bibliography of GRASP â€“ Part I: Algorithms. International Transactions in Operational Research, 2009, 16, 1-24.	1.8	153
45	A genetic algorithm for the resource constrained multi-project scheduling problem. European Journal of Operational Research, 2008, 189, 1171-1190.	3.5	259
46	A continuous GRASP to determine the relationship between drugs and adverse reactions. AIP Conference Proceedings, 2007, , .	0.3	11
47	Survivable IP network design with OSPF routing. Networks, 2007, 49, 51-64.	1.6	30
48	TTT plots: a perl program to create time-to-target plots. Optimization Letters, 2007, 1, 355-366.	0.9	170
49	A hybrid genetic algorithm for the weight setting problem in OSPF/IS-IS routing. Networks, 2005, 46, 36-56.	1.6	96
50	An evolutionary algorithm for manufacturing cell formation. Computers and Industrial Engineering, 2004, 47, 247-273.	3.4	210
51	GRASP with Path-Relinking for the Quadratic Assignment Problem. Lecture Notes in Computer Science, 2004, , 356-368.	1.0	41
52	Randomized heuristics for the Max-Cut problem. Optimization Methods and Software, 2002, 17, 1033-1058.	1.6	157
53	A Genetic Algorithm for the Weight Setting Problem in OSPF Routing. Journal of Combinatorial Optimization, 2002, 6, 299-333.	0.8	239
54	Probability Distribution of Solution Time in GRASP: An Experimental Investigation. Journal of Heuristics, 2002, 8, 343-373.	1.1	122

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55	Greedy Randomized Adaptive Search Procedures. Journal of Global Optimization, 1995, 6, 109-133.	1.1	2,041
56	A Greedy Randomized Adaptive Search Procedure for Maximum Independent Set. Operations Research, 1994, 42, 860-878.	1.2	335
57	An implementation of Karmarkar's algorithm for linear programming. Mathematical Programming, 1989, 44, 297-335.	1.6	326
58	A probabilistic heuristic for a computationally difficult set covering problem. Operations Research Letters, 1989, 8, 67-71.	0.5	841
59	THE GUIDE TO NP-COMPLETENESS IS 40 YEARS OLD: AN HOMAGE TO DAVID S. JOHNSON. Pesquisa Operacional, 0, 40, .	0.1	0