Fred Glover

List of Publications by Year
in descending order

250 papers	29,784 citations
18482 — 62 h-index	6300 — 158 g-index
251 all docs	251 docs citations
251 times ranked	11542 citing authors

#	ARTICLE	IF	CITATIONS
1	Tabu Search—Part I. ORSA Journal on Computing, 1989, 1, 190-206.	1.7	4,815
2	Tabu Search—Part II. ORSA Journal on Computing, 1990, 2, 4-32.	1.7	3,561
3	Future paths for integer programming and links to artificial intelligence. Computers and Operations Research, 1986, 13, 533-549.	4.0	2,995
4	Tabu Search. , 1997, , .		2,678
5	HEURISTICS FOR INTEGER PROGRAMMING USING SURROGATE CONSTRAINTS. Decision Sciences, 1977, 8, 156-166.	4.5	1,161
6	Tabu Search: A Tutorial. Interfaces, 1990, 20, 74-94.	1.5	823
7	A user's guide to tabu search. Annals of Operations Research, 1993, 41, 1-28.	4.1	647
8	Improved Linear Integer Programming Formulations of Nonlinear Integer Problems. Management Science, 1975, 22, 455-460.	4.1	619
9	Scatter Search and Local NLP Solvers: A Multistart Framework for Global Optimization. INFORMS Journal on Computing, 2007, 19, 328-340.	1.7	537
10	Principles of scatter search. European Journal of Operational Research, 2006, 169, 359-372.	5.7	351
11	Technical Note—Converting the 0-1 Polynomial Programming Problem to a 0-1 Linear Program. Operations Research, 1974, 22, 180-182.	1.9	346
12	Simple but powerful goal programming models for discriminant problems. European Journal of Operational Research, 1981, 7, 44-60.	5.7	314
13	The feasibility pump. Mathematical Programming, 2005, 104, 91-104.	2.4	288
14	A Multiphase-Dual Algorithm for the Zero-One Integer Programming Problem. Operations Research, 1965, 13, 879-919.	1.9	283
15	A template for scatter search and path relinking. Lecture Notes in Computer Science, 1998, , 1-51.	1.3	280
16	The unconstrained binary quadratic programming problem: a survey. Journal of Combinatorial Optimization, 2014, 28, 58-81.	1.3	251
17	Genetic algorithms and tabu search: Hybrids for optimization. Computers and Operations Research, 1995, 22, 111-134.	4.0	234
18	The general employee scheduling problem. An integration of MS and AI. Computers and Operations Research, 1986, 13, 563-573.	4.0	233

#	ARTICLE	IF	CITATIONS
19	Improved Linear Programming Models for Discriminant Analysis. Decision Sciences, 1990, 21, 771-785.	4.5	215
20	New approaches for heuristic search: A bilateral linkage with artificial intelligence. European Journal of Operational Research, 1989, 39, 119-130.	5.7	207
21	EVALUATING ALTERNATIVE LINEAR PROGRAMMING MODELS TO SOLVE THE TWO-GROUP DISCRIMINANT PROBLEM. Decision Sciences, 1986, 17, 151-162.	4.5	205
22	Applications and Implementation.. Decision Sciences, 1981, 12, 68-74.	4.5	196
23	Ejection chains, reference structures and alternating path methods for traveling salesman problems. Discrete Applied Mathematics, 1996, 65, 223-253.	0.9	195
24	Traveling salesman problem heuristics: Leading methods, implementations and latest advances. European Journal of Operational Research, 2011, 211, 427-441.	5.7	169
25	Surrogate Constraint Duality in Mathematical Programming. Operations Research, 1975, 23, 434-451.	1.9	167
26	Tabu search for nonlinear and parametric optimization (with links to genetic algorithms). Discrete Applied Mathematics, 1994, 49, 231-255.	0.9	166
27	Adaptive Memory Tabu Search for Binary Quadratic Programs. Management Science, 1998, 44, 336-345.	4.1	166
28	Surrogate Constraints. Operations Research, 1968, 16, 741-749.	1.9	159
29	A Computation Study on Start Procedures, Basis Change Criteria, and Solution Algorithms for Transportation Problems. Management Science, 1974, 20, 793-813.	4.1	152
30	The Passenger-Mix Problem in the Scheduled Airlines. Interfaces, 1982, 12, 73-80.	1.5	152
31	Tabu search for the multilevel generalized assignment problem. European Journal of Operational Research, 1995, 82, 176-189.	5.7	151
32	Analyzing and Modeling the Maximum Diversity Problem by Zero-One Programming. Decision Sciences, 1993, 24, 1171-1185.	4.5	148
33	Maximum matching in a convex bipartite graph. Naval Research Logistics Quarterly, 1967, 14, 313-316.	0.4	142
34	Improved Constructive Multistart Strategies for the Quadratic Assignment Problem Using Adaptive Memory. INFORMS Journal on Computing, 1999, 11, 198-204.	1.7	134
35	An Ejection Chain Approach for the Generalized Assignment Problem. INFORMS Journal on Computing, 2004, 16, 133-151.	1.7	129
36	A NEW CLASS OF MODELS FOR THE DISCRIMINANT PROBLEM. Decision Sciences, 1988, 19, 269-280.	4.5	120

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37	Quantum Bridge Analytics I: a tutorial on formulating and using QUBO models. 4or, 2019, 17, 335-371.	1.6	112
38	An Experimental Evaluation of a Scatter Search for the Linear Ordering Problem. Journal of Global Optimization, 2001, 21, 397-414.	1.8	111
39	Multistart Tabu Search and Diversification Strategies for the Quadratic Assignment Problem. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2009, 39, 579-596.	2.9	107
40	A Hybrid Improvement Heuristic for the One-Dimensional Bin Packing Problem. Journal of Heuristics, 2004, 10, 205-229.	1.4	106
41	Further Reduction of Zero-One Polynomial Programming Problems to Zero-One linear Programming Problems. Operations Research, 1973, 21, 156-161.	1.9	104
42	Artificial intelligence, heuristic frameworks and tabu search. Managerial and Decision Economics, 1990, 11, 365-375.	2.5	103
43	Bandwidth Packing: A Tabu Search Approach. Management Science, 1993, 39, 492-500.	4.1	103
44	Genetic algorithms and scatter search: unsuspected potentials. Statistics and Computing, 1994, 4, 131.	1.5	103
45	A cooperative parallel tabu search algorithm for the quadratic assignment problem. European Journal of Operational Research, 2009, 195, 810-826.	5.7	102
46	A New Optimization Method for Large Scale Fixed Charge Transportation Problems. Operations Research, 1981, 29, 448-463.	1.9	101
47	Solving zero-one mixed integer programming problems using tabu search. European Journal of Operational Research, 1998, 106, 624-658.	5.7	97
48	The Augmented Predecessor Index Method for Locating Stepping-Stone Paths and Assigning Dual Prices in Distribution Problems. Transportation Science, 1972, 6, 171-179.	4.4	94
49	A path relinking approach with ejection chains for the generalized assignment problem. European Journal of Operational Research, 2006, 169, 548-569.	5.7	94
50	Critical Event Tabu Search for Multidimensional Knapsack Problems. , 1996, , 407-427.		92
51	Construction heuristics for the asymmetric TSP. European Journal of Operational Research, 2001, 129, 555-568.	5.7	92
52	A unified modeling and solution framework for combinatorial optimization problems. OR Spectrum, 2004, 26, 237-250.	3.4	91
53	Tabu Thresholding: Improved Search by Nonmonotonic Trajectories. ORSA Journal on Computing, 1995, 7, 426-442.	1.7	89
54	Contributions of Professor William W. Cooper in Operations Research and Management Science. European Journal of Operational Research, 2009, 197, 1-16.	5.7	89

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55	Reducing the bandwidth of a sparse matrix with tabu search. European Journal of Operational Research, 2001, 135, 450-459.	5.7	84
56	Multi-neighborhood tabu search for the maximum weight clique problem. Annals of Operations Research, 2012, 196, 611-634.	4.1	80
57	Notes and Communications RESOLVING CERTAIN DIFFICULTIES AND IMPROVING THE CLASSIFICATION POWER OF LP DISCRIMINANT ANALYSIS FORMULATIONS. Decision Sciences, 1986, 17, 589-595.	4.5	75
58	A hybrid metaheuristic approach to solving the UBQP problem. European Journal of Operational Research, 2010, 207, 1254-1262.	5.7	75
59	Path relinking for unconstrained binary quadratic programming. European Journal of Operational Research, 2012, 223, 595-604.	5.7	75
60	Integrating target analysis and tabu search for improved scheduling systems. Expert Systems With Applications, 1993, 6, 287-297.	7.6	70
61	Comparisons and enhancement strategies for linearizing mixed 0-1 quadratic programs. Discrete Optimization, 2004, 1, 99-120.	0.9	67
62	Diversification-driven tabu search for unconstrained binary quadratic problems. 4or, 2010, 8, 239-253.	1.6	67
63	Extensions of the Petal Method for Vehicle Routeing. Journal of the Operational Research Society, 1993, 44, 289-296.	3.4	66
64	Scatter search and star-paths: beyond the genetic metaphor. OR Spectrum, 1995, 17, 125-137.	3.4	65
65	Neighborhood analysis: a case study on curriculum-based course timetabling. Journal of Heuristics, 2011, 17, 97-118.	1.4	63
66	Scatter Search and Path-Relinking: Fundamentals, Advances, and Applications. Profiles in Operations Research, 2010, , 87-107.	0.4	63
67	Heuristic algorithms for the maximum diversity problem. Journal of Information and Optimization Sciences, 1998, 19, 109-132.	0.3	61
68	Enhancements Of Spanning Tree Labelling Procedures For Network Optimization. Infor, 1979, 17, 16-34.	0.6	60
69	Applying tabu search with influential diversification to multiprocessor scheduling. Computers and Operations Research, 1994, 21, 877-884.	4.0	60
70	Tabu Searchâˆ'. , 2013, , 3261-3362.		60
71	Solving large scale Max Cut problems via tabu search. Journal of Heuristics, 2013, 19, 565-571.	1.4	59
72	Tabu search for graph partitioning. Annals of Operations Research, 1996, 63, 209-232.	4.1	58

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73	The case for strategic oscillation. Annals of Operations Research, 2011, 183, 163-173.	4.1	57
74	A History of Metaheuristics. , 2018, , 791-808.		57
75	Multi-Start and Strategic Oscillation Methods â€" Principles to Exploit Adaptive Memory. Operations Research/ Computer Science Interfaces Series, 2000, , 1-23.	0.3	57
76	Tabu search and finite convergence. Discrete Applied Mathematics, 2002, 119, 3-36.	0.9	56
77	A very large-scale neighborhood search algorithm for the multi-resource generalized assignment problem. Discrete Optimization, 2004, 1, 87-98.	0.9	54
78	Solving the maximum edge weight clique problem via unconstrained quadratic programming. European Journal of Operational Research, 2007, 181, 592-597.	5.7	54
79	One-pass heuristics for large-scale unconstrained binary quadratic problems. European Journal of Operational Research, 2002, 137, 272-287.	5.7	53
80	Multi-objective Meta-heuristics for the Traveling Salesman Problem with Profits. Mathematical Modelling and Algorithms, 2008, 7, 177-195.	0.5	53
81	A hybrid metaheuristic approach for the capacitated arc routing problem. European Journal of Operational Research, 2016, 253, 25-39.	5.7	52
82	A study of diversification strategies for the quadratic assignment problem. Computers and Operations Research, 1994, 21, 885-893.	4.0	51
83	Parametric tabu-search for mixed integer programs. Computers and Operations Research, 2006, 33, 2449-2494.	4.0	50
84	Quantum bridge analytics I: a tutorial on formulating and using QUBO models. Annals of Operations Research, 2022, 314, 141-183.	4.1	50
85	Greedy randomized adaptive search procedure with exterior path relinking for differential dispersion minimization. Information Sciences, 2015, 296, 46-60.	6.9	48
86	NEW EJECTION CHAIN AND ALTERNATING PATH METHODS FOR TRAVELING SALESMAN PROBLEMS. , 1992, , 491-509.		47
87	A tabu search based memetic algorithm for the maximum diversity problem. Engineering Applications of Artificial Intelligence, 2014, 27, 103-114.	8.1	47
88	Least-cost network topology design for a new service. Annals of Operations Research, 1991, 33, 351-362.	4.1	46
89	Hybrid scatter tabu search for unconstrained global optimization. Annals of Operations Research, 2011, 183, 95-123.	4.1	44
90	Cutting and Surrogate Constraint Analysis for Improved Multidimensional Knapsack Solutions. Annals of Operations Research, 2002, 117, 71-93.	4.1	43

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91	Cyber Swarm Algorithms â€" Improving particle swarm optimization using adaptive memory strategies. European Journal of Operational Research, 2010, 201, 377-389.	5.7	43
92	An Unconstrained Quadratic Binary Programming Approach to the Vertex Coloring Problem. Annals of Operations Research, 2005, 139, 229-241.	4.1	42
93	Probabilistic GRASP-Tabu Search algorithms for the UBQP problem. Computers and Operations Research, 2013, 40, 3100-3107.	4.0	41
94	Quadratic unconstrained binary optimization problem preprocessing: Theory and empirical analysis. Networks, 2017, 70, 79-97.	2.7	41
95	Clustering of Microarray data via Clique Partitioning. Journal of Combinatorial Optimization, 2005, 10, 77-92.	1.3	40
96	A heuristic programming approach to the employee scheduling problem and some thoughts on â€œmanagerial robotsâ€. Journal of Operations Management, 1984, 4, 113-128.	5.2	39
97	General purpose heuristics for integer programming?Part I. Journal of Heuristics, 1997, 2, 343-358.	1.4	39
98	Finding local optima of high-dimensional functions using direct search methods. European Journal of Operational Research, 2009, 195, 31-45.	5.7	39
99	Efficient evaluations for solving large 0-1 unconstrained quadratic optimisation problems. International Journal of Metaheuristics, 2010, 1, 3.	0.1	38
100	A two-phase tabu-evolutionary algorithm for the 0â€"1 multidimensional knapsack problem. Information Sciences, 2018, 436-437, 282-301.	6.9	38
101	Netform Modeling and Applications. Interfaces, 1990, 20, 7-27.	1.5	37
102	Improved Computer-Based Planning Techniques, Part 1. Interfaces, 1978, 8, 16-25.	1.5	36
103	General Purpose Heuristics for Integer Programmingâ€"Part II. Journal of Heuristics, 1997, 3, 161-179.	1.4	36
104	The deterministic multi-item dynamic lot size problem with joint business volume discount. Annals of Operations Research, 2000, 96, 317-337.	4.1	36
105	Adaptive memory programming for constrained global optimization. Computers and Operations Research, 2010, 37, 1500-1509.	4.0	36
106	Effective metaheuristic algorithms for the minimum differential dispersion problem. European Journal of Operational Research, 2017, 258, 829-843.	5.7	36
107	Intelligent scheduling with tabu search: An application to jobs with linear delay penalties and sequence-dependent setup costs and times. Applied Intelligence, 1993, 3, 159-172.	5.3	35
108	Solving group technology problems via clique partitioning. Flexible Services and Manufacturing Journal, 2007, 18, 77-97.	0.4	34

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109	Selecting Project Portfolios by Optimizing Simulations. Engineering Economist, 2006, 51, 81-97.	1.1	33
110	A Tabu search based clustering algorithm and its parallel implementation on Spark. Applied Soft Computing Journal, 2018, 63, 97-109.	7.2	33
111	A comparative study of formulations for a cross-dock door assignment problem. Omega, 2020, 91, 102015.	5.9	33
112	Implementation analysis of efficient heuristic algorithms for the traveling salesman problem. Computers and Operations Research, 2006, 33, 1154-1172.	4.0	32
113	Scatter Search and Path Relinking: Foundations and Advanced Designs. Studies in Fuzziness and Soft Computing, 2004, , 87-99.	0.8	32
114	Using tabu search to solve the Steiner tree-star problem in telecommunications network design. Telecommunication Systems, 1996, 6, 117-125.	2.5	31
115	A History of Metaheuristics. , 2018, , 1-18.		30
116	An evolutionary path relinking approach for the quadratic multiple knapsack problem. Knowledge-Based Systems, 2016, 92, 23-34.	7.1	29
117	Solution-based tabu search for the maximum min-sum dispersion problem. Information Sciences, 2018, 441, 79-94.	6.9	29
118	Data structures and ejection chains for solving large-scale traveling salesman problems. European Journal of Operational Research, 2005, 160, 154-171.	5.7	28
119	Scatter Search to Generate Diverse MIP Solutions. Operations Research/ Computer Science Interfaces Series, 2000, , 299-317.	0.3	28
120	Strong formulations and cutting planes for designing digital data service networks. Telecommunication Systems, 1993, 2, 261-274.	2.5	27
121	A simple and effective algorithm for the MaxMin diversity problem. Annals of Operations Research, 2011, 186, 275-293.	4.1	27
122	Integrating tabu search and VLSN search to develop enhanced algorithms: A case study using bipartite boolean quadratic programs. European Journal of Operational Research, 2015, 241, 697-707.	5.7	27
123	An Intersection Cut from the Dual of the Unit Hypercube. Operations Research, 1971, 19, 40-44.	1.9	26
124	Tabu search â€" wellsprings and challenges. European Journal of Operational Research, 1998, 106, 221-225.	5.7	26
125	EM323: a line search based algorithm for solving high-dimensional continuous non-linear optimization problems. Soft Computing, 2011, 15, 2275-2285.	3.6	26
126	Parametric Ghost Image Processes for Fixed-Charge Problems: A Study of Transportation Networks. Journal of Heuristics, 2005, 11, 307-336.	1.4	25

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127	Ejection chain and filter-and-fan methods in combinatorial optimization. 4or, 2006, 4, 263-296.	1.6	25
128	Backbone guided tabu search for solving the UBQP problem. Journal of Heuristics, 2013, 19, 679-695.	1.4	25
129	Finding a best traveling salesman 4-opt move in the same time as a best 2-opt move. Journal of Heuristics, 1996, 2, 169.	1.4	24
130	Adaptive memory search for Boolean optimization problems. Discrete Applied Mathematics, 2004, 142, 99-109.	0.9	24
131	Probabilistic Tabu Search for the Cross-Docking Assignment Problem. European Journal of Operational Research, 2019, 277, 875-885.	5.7	24
132	Probabilistic Move Selection in Tabu Search for Zero-One Mixed Integer Programming Problems. , 1996, , 467-487.		24
133	Tabu Search with Critical Event Memory: An Enhanced Application for Binary Quadratic Programs. , 1999, , 93-109.		24
134	Tutorial on Surrogate Constraint Approaches for Optimization in Graphs. Journal of Heuristics, 2003, 9, 175-227.	1.4	23
135	Strategic oscillation for the quadratic multiple knapsack problem. Computational Optimization and Applications, 2014, 58, 161-185.	1.6	23
136	Tabu search for dynamic routing communications network design. Telecommunication Systems, 1997, 8, 55-77.	2.5	22
137	Creating balanced and connected clusters to improve service delivery routes in logistics planning. Journal of Systems Science and Systems Engineering, 2010, 19, 453-480.	1.6	22
138	Tabu search with strategic oscillation for the quadratic minimum spanning tree. IIE Transactions, 2014, 46, 414-428.	2.1	22
139	Threshold assignment algorithm. Mathematical Programming Studies, 1986, , 12-37.	0.8	21
140	Generating Cuts from Surrogate Constraint Analysis for Zero-One and Multiple Choice Programming. Computational Optimization and Applications, 1997, 8, 151-172.	1.6	21
141	RAMP for the capacitated minimum spanning tree problem. Annals of Operations Research, 2010, 181, 661-681.	4.1	20
142	Flows in Arborescences. Management Science, 1971, 17, 568-586.	4.1	19
143	Adaptive Memory Projection Methods for Integer Programming. , 2005, , 425-440.		19
144	An ejection chain algorithm for the quadratic assignment problem. Networks, 2010, 56, 188-206.	2.7	19

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145	A computational study on the quadratic knapsack problem with multiple constraints. Computers and Operations Research, 2012, 39, 3-11.	4.0	19
146	A tabu search algorithm for cohesive clustering problems. Journal of Heuristics, 2015, 21, 457-477.	1.4	19
147	Recent Developments in Computer Implementation Technology for Network Flow Algorithms. Infor, 1982, 20, 433-452.	0.6	17
148	Optimization by ghost image processes in neural networks. Computers and Operations Research, 1994, 21, 801-822.	4.0	17
149	Tabu Search and Ejection Chains—Application to a Node Weighted Version of the Cardinality-Constrained TSP. Management Science, 1997, 43, 908-921.	4.1	17
150	Clustering-driven evolutionary algorithms: an application of path relinking to the quadratic unconstrained binary optimization problem. Journal of Heuristics, 2019, 25, 629-642.	1.4	17
151	A simple multi-wave algorithm for the uncapacitated facility location problem. Frontiers of Engineering Management, 2018, 5, 451.	6.1	17
152	Cut search methods in integer programming. Mathematical Programming, 1972, 3-3, 86-100.	2.4	16
153	A new modeling and solution approach for the number partitioning problem. Journal of Applied Mathematics and Decision Sciences, 2005, 2005, 113-121.	0.4	16
154	Exterior Path Relinking for Zero-One Optimization. International Journal of Applied Metaheuristic Computing, 2014, 5, 1-8.	0.7	16
155	Tabu search—Uncharted domains. Annals of Operations Research, 2007, 149, 89-98.	4.1	15
156	Solving the maximum vertex weight clique problem via binary quadratic programming. Journal of Combinatorial Optimization, 2016, 32, 531-549.	1.3	15
157	A Two-Individual Based Evolutionary Algorithm for the Flexible Job Shop Scheduling Problem. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 2262-2271.	4.9	15
158	A learning-based memetic algorithm for the multiple vehicle pickup and delivery problem with LIFO loading. Computers and Industrial Engineering, 2020, 142, 106241.	6.3	15
159	Logical and inequality implications for reducing the size and difficulty of quadratic unconstrained binary optimization problems. European Journal of Operational Research, 2018, 265, 829-842.	5.7	15
160	A Stochastic Generalized Network Model and Large-Scale Mean-Variance Algorithm for Portfolio Selection. Journal of Information and Optimization Sciences, 1988, 9, 299-316.	0.3	14
161	Using the unconstrained quadratic program to model and solve Max 2-SAT problems. International Journal of Operational Research, 2005, 1, 89.	0.2	14
162	Ejection chain and filter-and-fan methods in combinatorial optimization. Annals of Operations Research, 2010, 175, 77-105.	4.1	14

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163	Unidimensional Search for Solving Continuous High-Dimensional Optimization Problems. , 2009, , .		13
164	A note on xQx as a modelling and solution framework for the Linear Ordering Problem. International Journal of Operational Research, 2009, 5, 152.	0.2	13
165	A Netform System for Resource Planning in the U.S. Bureau of Land Management. Journal of the Operational Research Society, 1984, 35, 605-616.	3.4	12
166	An effective modeling and solution approach for the generalized independent set problem. Optimization Letters, 2006, 1, 111-117.	1.6	12
167	Fast two-flip move evaluations for binary unconstrained quadratic optimisation problems. International Journal of Metaheuristics, 2010, 1, 100.	0.1	12
168	Designing effective improvement methods for scatter search: an experimental study on global optimization. Soft Computing, 2013, 17, 49-62.	3.6	12
169	Intensification, Diversification and Learning in metaheuristic optimization. Journal of Heuristics, 2019, 25, 517-520.	1.4	12
170	Surrogate constraint analysisâ€"new heuristics and learning schemes for satisfiability problems. DIMACS Series in Discrete Mathematics and Theoretical Computer Science, 1997, , 537-572.	0.0	12
171	Foundation-penalty cuts for mixed-integer programs. Operations Research Letters, 2003, 31, 245-253.	0.7	11
172	Alternating control tree search for knapsack/covering problems. Journal of Heuristics, 2010, 16, 239-258.	1.4	11
173	Exact solutions to generalized vertex covering problems: a comparison of two models. Optimization Letters, 2015, 9, 1331-1339.	1.6	11
174	Intensification-driven tabu search for the minimum differential dispersion problem. Knowledge-Based Systems, 2019, 167, 68-86.	7.1	11
175	Infeasible/feasible search trajectories and directional rounding in integer programming. Journal of Heuristics, 2007, 13, 505-541.	1.4	10
176	Scatter Search and Path Relinking. International Journal of Swarm Intelligence Research, 2011, 2, 1-21.	0.7	10
177	A filter-and-fan approach to the 2D HP model ofÂtheÂprotein folding problem. Annals of Operations Research, 2011, 188, 389-414.	4.1	10
178	Backtracking based iterated tabu search for equitable coloring. Engineering Applications of Artificial Intelligence, 2015, 46, 269-278.	8.1	10
179	A learning-based path relinking algorithm for the bandwidth coloring problem. Engineering Applications of Artificial Intelligence, 2016, 52, 81-91.	8.1	10
180	Adaptive pattern search for large-scale optimization. Applied Intelligence, 2017, 47, 319-330.	5.3	10

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181	Adaptive tabu search with strategic oscillation for the bipartite boolean quadratic programming problem with partitioned variables. Information Sciences, 2018, 450, 284-300.	6.9	10
182	Diversification-based learning in computing and optimization. Journal of Heuristics, 2019, 25, 521-537.	1.4	10
183	A Unified Framework for Modeling and Solving Combinatorial Optimization Problems: A Tutorial. , 2006, , 101-124.		10
184	Metaheuristic Search with Inequalities and Target Objectives for Mixed Binary Optimization Part I. International Journal of Applied Metaheuristic Computing, 2010, 1, 1-15.	0.7	10
185	A primal simplex variant for the maximum-flow problem. Naval Research Logistics Quarterly, 1984, 31, 41-61.	0.4	9
186	A network-related nuclear power plant model with an intelligent branch-and-bound solution approach. Annals of Operations Research, 1989, 21, 317-331.	4.1	9
187	Advanced Tabu Search Algorithms for Bipartite Boolean Quadratic Programs Guided by Strategic Oscillation and Path Relinking. INFORMS Journal on Computing, 2020, 32, 74-89.	1.7	9
188	Quantum Bridge Analytics II: QUBO-Plus, network optimization and combinatorial chaining for asset exchange. 4or, 2020, 18, 387-417.	1.6	9
189	Some Classes of Valid Inequalities and Convex Hull Characterizations for Dynamic Fixed-Charge Problems under Nested Constraints. Annals of Operations Research, 2005, 140, 215-233.	4.1	8
190	Polynomial unconstrained binary optimisation &ndash; Part 1. International Journal of Metaheuristics, 2011, 1, 232.	0.1	8
191	Polynomial unconstrained binary optimisation Ã¢ part 2. International Journal of Metaheuristics, 2011, 1, 317.	0.1	8
192	Multi-wave algorithms for metaheuristic optimization. Journal of Heuristics, 2016, 22, 331-358.	1.4	8
193	Solving Clique Partitioning Problems: A Comparison of Models and Commercial Solvers. International Journal of Information Technology and Decision Making, 2022, 21, 59-81.	3.9	8
194	Surrogate Constraints in Integer Programming. Journal of Information and Optimization Sciences, 1991, 12, 219-228.	0.3	7
195	A Complementary Cyber Swarm Algorithm. International Journal of Swarm Intelligence Research, 2011, 2, 22-41.	0.7	7
196	A study of two evolutionary/tabu search approaches for the generalized max-mean dispersion problem. Expert Systems With Applications, 2020, 139, 112856.	7.6	7
197	Tabu search tutorial. A Graph Drawing Application. Top, 2021, 29, 319-350.	1.6	7
198	Binary Unconstrained Quadratic Optimization Problem. , 2013, , 533-557.		7

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199	Bi-objective optimization of biclustering with binary data. Information Sciences, 2020, 538, 444-466.	6.9	7
200	New results for aggregating integer-valued equations. Annals of Operations Research, 1995, 58, 227-242.	4.1	6
201	AN EFFECTIVE APPROACH FOR SOLVING THE BINARY ASSIGNMENT PROBLEM WITH SIDE CONSTRAINTS. International Journal of Information Technology and Decision Making, 2002, 01, 121-129.	3.9	6
202	Solving Quadratic Knapsack Problems by Reformulation and Tabu Search: Single Constraint Case. Network Optimization Problems: Algorithms, Applications and Complexity, 2002, , 111-121.	0.1	6
203	Second-order cover inequalities. Mathematical Programming, 2008, 114, 207-234.	2.4	6
204	Doublyâ€rooted stemâ€andâ€cycle ejection chain algorithm for the asymmetric traveling salesman problem. Networks, 2016, 68, 23-33.	2.7	6
205	A new approach to generate pattern-efficient sets of non-dominated vectors for multi-objective optimization. Information Sciences, 2020, 530, 22-42.	6.9	6
206	A Study of Memetic Search with Multi-parent Combination for UBQP. Lecture Notes in Computer Science, 2010, , 154-165.	1.3	6
207	Effective Variable Fixing and Scoring Strategies for Binary Quadratic Programming. Lecture Notes in Computer Science, 2011, , 72-83.	1.3	6
208	A Multilevel Algorithm for Large Unconstrained Binary Quadratic Optimization. Lecture Notes in Computer Science, 2012, , 395-408.	1.3	6
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