El-ghazali Talbi

List of Publications by Citations

216 papers	5,701 citations	34 h-index	70 g-index
234 ext. papers	6,611 ext. citations	2.4 avg, IF	6.48 L-index

#	Paper	IF	Citations
216	**2009**,		988
215	A Taxonomy of Hybrid Metaheuristics. *Journal of Heuristics*, **2002**, 8, 541-564	1.9	516
214	Multi-objective vehicle routing problems. *European Journal of Operational Research*, **2008**, 189, 293-309	5.6	297
213	GridS5000: A Large Scale And Highly Reconfigurable Experimental Grid Testbed. *International Journal of High Performance Computing Applications*, **2006**, 20, 481-494	1.8	260
212	A parallel bi-objective hybrid metaheuristic for energy-aware scheduling for cloud computing systems. *Journal of Parallel and Distributed Computing*, **2011**, 71, 1497-1508	4.4	223
211	ParadisEO: A Framework for the Reusable Design of Parallel and Distributed Metaheuristics. *Journal of Heuristics*, **2004**, 10, 357-380	1.9	217
210	Hybridizing exact methods and metaheuristics: A taxonomy. *European Journal of Operational Research*, **2009**, 199, 620-629	5.6	155
209	Parallel Ant Colonies for the quadratic assignment problem. *Future Generation Computer Systems*, **2001**, 17, 441-449	7.5	144
208	Gene selection in cancer classification using PSO/SVM and GA/SVM hybrid algorithms **2007**,		98
207	An evolutionary algorithm for the vehicle routing problem with route balancing. *European Journal of Operational Research*, **2009**, 195, 761-769	5.6	83
206	A Survey of Evolutionary Computation for Resource Management of Processing in Cloud Computing [Review Article]. *IEEE Computational Intelligence Magazine*, **2015**, 10, 53-67	5.6	79
205	A comparative study between dynamic adapted PSO and VNS for the vehicle routing problem with dynamic requests. *Applied Soft Computing Journal*, **2012**, 12, 1426-1439	7.5	79
204	Sensitivity and specificity based multiobjective approach for feature selection: Application to cancer diagnosis. *Information Processing Letters*, **2009**, 109, 887-896	0.8	72
203	Towards Understanding Uncertainty in Cloud Computing Resource Provisioning. *Procedia Computer Science*, **2015**, 51, 1772-1781	1.6	64
202	On dominance-based multiobjective local search: design, implementation and experimental analysis on scheduling and traveling salesman problems. *Journal of Heuristics*, **2012**, 18, 317-352	1.9	64
201	GPU Computing for Parallel Local Search Metaheuristic Algorithms. *IEEE Transactions on Computers*, **2013**, 62, 173-185	2.5	64
200	Combining metaheuristics with mathematical programming, constraint programming and machine learning. *Annals of Operations Research*, **2016**, 240, 171-215	3.2	62

199	Towards understanding uncertainty in cloud computing with risks of confidentiality, integrity, and availability. *Journal of Computational Science*, **2019**, 36, 100581	3.4	58
198	Computing gap free Pareto front approximations with stochastic search algorithms. *Evolutionary Computation*, **2010**, 18, 65-96	4.3	54
197	A parallel multiple reference point approach for multi-objective optimization. *European Journal of Operational Research*, **2010**, 205, 390-400	5.6	54
196	The bi-objective covering tour problem. *Computers and Operations Research*, **2007**, 34, 1929-1942	4.6	54
195	Grid computing for parallel bioinspired algorithms. *Journal of Parallel and Distributed Computing*, **2006**, 66, 1052-1061	4.4	50
194	Multi-objective optimization using metaheuristics: non-standard algorithms. *International Transactions in Operational Research*, **2012**, 19, 283-305	2.9	45
193	A software framework based on a conceptual unified model for evolutionary multiobjective optimization: ParadisEO-MOEO. *European Journal of Operational Research*, **2011**, 209, 104-112	5.6	45
192	Parallel and Hybrid Models for Multi-objective Optimization: Application to the Vehicle Routing Problem. *Lecture Notes in Computer Science*, **2002**, 271-280	0.9	45
191	A Hybrid Evolutionary Approach for Multicriteria Optimization Problems: Application to the Flow Shop. *Lecture Notes in Computer Science*, **2001**, 416-428	0.9	45
190	Convergence of stochastic search algorithms to finite size pareto set approximations. *Journal of Global Optimization*, **2008**, 41, 559-577	1.5	43
189	Parallel Approaches for Multiobjective Optimization. *Lecture Notes in Computer Science*, **2008**, 349-372	0.9	43
188	ParadisEO-MOEO: A Framework for Evolutionary Multi-objective Optimization **2007**, 386-400		41
187	COSEARCH: A Parallel Cooperative Metaheuristic. *Mathematical Modelling and Algorithms*, **2006**, 5, 5-22		41
186	Target aiming Pareto search and its application to the vehicle routing problem with route balancing. *Journal of Heuristics*, **2007**, 13, 455-469	1.9	39
185	CoBRA: A cooperative coevolutionary algorithm for bi-level optimization **2012**,		36
184	New lower bounds for bin packing problems with conflicts. *European Journal of Operational Research*, **2010**, 206, 281-288	5.6	36
183	Hybridizing evolutionary strategies with continuation methods for solving multi-objective problems. *Engineering Optimization*, **2008**, 40, 383-402	2	35
182	A Pareto-based metaheuristic for scheduling HPC applications on a geographically distributed cloud federation. *Cluster Computing*, **2013**, 16, 451-468	2.1	34

181	K-PPM: A new exact method to solve multi-objective combinatorial optimization problems. *European Journal of Operational Research*, **2010**, 200, 45-53	5.6	34
180	A parallel hybrid genetic algorithm for protein structure prediction on the computational grid. *Future Generation Computer Systems*, **2007**, 23, 398-409	7.5	33
179	ParadisEO-MO: from fitness landscape analysis to efficient local search algorithms. *Journal of Heuristics*, **2013**, 19, 881-915	1.9	30
178	Enhancements of NSGA II and Its Application to the Vehicle Routing Problem with Route Balancing. *Lecture Notes in Computer Science*, **2006**, 131-142	0.9	30
177	A parallel adaptive tabu search approach. *Parallel Computing*, **1998**, 24, 2003-2019	1	28
176	An exact parallel method for a bi-objective permutation flowshop problem. *European Journal of Operational Research*, **2007**, 177, 1641-1655	5.6	28
175	A grid-based genetic algorithm combined with an adaptive simulated annealing for protein structure prediction. *Soft Computing*, **2008**, 12, 1185-1198	3.5	28
174	A Taxonomy of Metaheuristics for Bi-level Optimization. *Studies in Computational Intelligence*, **2013**, 1-39	0.8	27
173	A pareto-based genetic algorithm for optimized assignment of VM requests on a cloud brokering environment **2013**,		26
172	Parallel partitioning method (PPM): A new exact method to solve bi-objective problems. *Computers and Operations Research*, **2007**, 34, 2450-2462	4.6	26
171	Using Datamining Techniques to Help Metaheuristics: A Short Survey. *Lecture Notes in Computer Science*, **2006**, 57-69	0.9	23
170	Machine learning at the service of meta-heuristics for solving combinatorial optimization problems: A state-of-the-art. *European Journal of Operational Research*, **2022**, 296, 393-422	5.6	23
169	Designing cellular networks using a parallel hybrid metaheuristic on the computational grid. *Computer Communications*, **2007**, 30, 698-713	5.1	21
168	Fitness Landscapes and Performance of Meta-Heuristics **1999**, 257-268		21
167	Path Relinking in Pareto Multi-objective Genetic Algorithms. *Lecture Notes in Computer Science*, **2005**, 120-134	0.9	20
166	Hierarchical parallel approach for GSM mobile network design. *Journal of Parallel and Distributed Computing*, **2006**, 66, 274-290	4.4	20
165	Building with ParadisEO reusable parallel and distributed evolutionary algorithms. *Parallel Computing*, **2004**, 30, 677-697	1	20
164	A hierarchical approach for energy-efficient scheduling of large workloads in multicore distributed systems. *Sustainable Computing: Informatics and Systems*, **2014**, 4, 252-261	3	19

163	Metaheuristics on GPUs. *Journal of Parallel and Distributed Computing*, **2013**, 73, 1-3	4.4	19
162	Parallel ant colonies for combinatorial optimization problems. *Lecture Notes in Computer Science*, **1999**, 239-247	0.9	19
161	Machine Learning into Metaheuristics. *ACM Computing Surveys*, **2021**, 54, 1-32	13.4	19
160	The robust uncapacitated multiple allocation p -hub median problem. *Computers and Industrial Engineering*, **2017**, 110, 322-332	6.4	18
159	Multi-Swarm Optimization for Dynamic Combinatorial Problems: A Case Study on Dynamic Vehicle Routing Problem. *Lecture Notes in Computer Science*, **2010**, 227-238	0.9	18
158	Metaheuristics and cooperative approaches for the Bi-objective Ring Star Problem. *Computers and Operations Research*, **2010**, 37, 1033-1044	4.6	17
157	Combinatorial Optimization of Stochastic Multi-objective Problems: An Application to the Flow-Shop Scheduling Problem **2007**, 457-471		17
156	A generic fuzzy approach for multi-objective optimization under uncertainty. *Swarm and Evolutionary Computation*, **2018**, 40, 166-183	9.8	16
155	On optimizing a bi-objective flowshop scheduling problem in an uncertain environment. *Computers and Mathematics With Applications*, **2012**, 64, 3747-3762	2.7	16
154	Combining evolutionary algorithms and exact approaches for multi-objective knowledge discovery. *RAIRO - Operations Research*, **2008**, 42, 69-83	2.2	16
153	Parallel cooperative meta-heuristics on the computational grid.. *Parallel Computing*, **2006**, 32, 643-659	1	16
152	Parallel Hybrid Metaheuristics **2005**, 347-370		16
151	Using multiobjective optimization for biclustering microarray data. *Applied Soft Computing Journal*, **2015**, 33, 239-249	7.5	15
150	Tree-decomposition based heuristics for the two-dimensional bin packing problem with conflicts. *Computers and Operations Research*, **2012**, 39, 54-63	4.6	15
149	Multi-objective evolutionary algorithm for biclustering in microarrays data **2011**,		15
148	The k-coloring fitness landscape. *Journal of Combinatorial Optimization*, **2011**, 21, 306-329	0.9	15
147	New analysis of the optimization of electromagnetic shielding properties using conducting polymers and a multi-objective approach. *Polymers for Advanced Technologies*, **2008**, 19, 762-769	3.2	15
146	A Parallel Adaptive Gauss-Jordan Algorithm. *Journal of Supercomputing*, **2000**, 17, 167-185	2.5	15

145	A unified view of parallel multi-objective evolutionary algorithms. *Journal of Parallel and Distributed Computing*, **2019**, 133, 349-358	4.4	14
144	Distributed Node Coloring in the SINR Model **2010**,		14
143	Convergence of stochastic search algorithms to gap-free pareto front approximations **2007**,		14
142	Using genetic algorithms for robot motion planning. *Lecture Notes in Computer Science*, **1993**, 84-93	0.9	14
141	Efficient global optimization of constrained mixed variable problems. *Journal of Global Optimization*, **2019**, 73, 583-613	1.5	14
140	A multi-start local search heuristic for an energy efficient VMs assignment on top of the OpenNebula cloud manager. *Future Generation Computer Systems*, **2014**, 36, 237-256	7.5	13
139	An Analysis of the Effect of Multiple Layers in the Multi-Objective Design of Conducting Polymer Composites. *Materials and Manufacturing Processes*, **2009**, 24, 350-357	4.1	13
138	Parallel multi-objective algorithms for the molecular docking problem **2008**,		13
137	Docking and Biomolecular Simulations on Computer Grids: Status and Trends. *Current Computer-Aided Drug Design*, **2008**, 4, 235-249	1.4	13
136	Positional Characteristics for Efficient Number Comparison over the Homomorphic Encryption. *Programming and Computer Software*, **2019**, 45, 532-543	0.8	13
135	Combining metaheuristics with mathematical programming, constraint programming and machine learning. *4or*, **2013**, 11, 101-150	1.4	12
134	Approximating multi-objective scheduling problems. *Computers and Operations Research*, **2013**, 40, 1165-1175	4.6	12
133	Cooperation between Branch and Bound and Evolutionary Approaches to Solve a Bi-objective Flow Shop Problem. *Lecture Notes in Computer Science*, **2004**, 72-86	0.9	12
132	Radio Network Distributed Algorithms in the Unknown Neighborhood Model. *Lecture Notes in Computer Science*, **2010**, 155-166	0.9	12
131	The min-conflict packing problem. *Computers and Operations Research*, **2012**, 39, 2122-2132	4.6	11
130	Multi-environmental cooperative parallel metaheuristics for solving dynamic optimization problems. *Journal of Supercomputing*, **2013**, 63, 836-853	2.5	11
129	Generic Pareto local search metaheuristic for optimization of targeted offers in a bi-objective direct marketing campaign. *Computers and Operations Research*, **2017**, 78, 578-587	4.6	11
128	Clustering Nominal and Numerical Data: A New Distance Concept for a Hybrid Genetic Algorithm. *Lecture Notes in Computer Science*, **2004**, 220-229	0.9	11

127	A Unified Taxonomy of Hybrid Metaheuristics with Mathematical Programming, Constraint Programming and Machine Learning. *Studies in Computational Intelligence*, **2013**, 3-76	0.8	11
126	Automated Design of Deep Neural Networks. *ACM Computing Surveys*, **2021**, 54, 1-37	13.4	11
125	Self-adaptive metaheuristics for solving a multi-objective 2-dimensional vector packing problem. *Applied Soft Computing Journal*, **2014**, 16, 124-136	7.5	10
124	NEIGHBORHOOD STRUCTURES FOR GPU-BASED LOCAL SEARCH ALGORITHMS. *Parallel Processing Letters*, **2010**, 20, 307-324	0.3	10
123	A Memetic PSO Algorithm for Scalar Optimization Problems **2007**,		10
122	Local Search Algorithms on Graphics Processing Units. A Case Study: The Permutation Perceptron Problem. *Lecture Notes in Computer Science*, **2010**, 264-275	0.9	10
121	Parallel Evolutionary Algorithms for Energy Aware Scheduling. *Studies in Computational Intelligence* , **2011**, 75-100	0.8	10
120	A matheuristic for the discrete bilevel problem with multiple objectives at the lower level. *International Transactions in Operational Research*, **2017**, 24, 959-981	2.9	9
119	Cost minimization of service deployment in a multi-cloud environment **2013**,		9
118	Parallel hybrid evolutionary algorithms on GPU **2010**,		9
117	A bi-objective hybrid genetic algorithm to minimize energy consumption and makespan for precedence-constrained applications using dynamic voltage scaling **2010**,		9
116	A parallel hybrid genetic algorithm-simulated annealing for solving Q3AP on computational grid **2009**,		9
115	Approximating the Efficient Set of an MOP with Stochastic Search Algorithms. *Lecture Notes in Computer Science*, **2007**, 128-138	0.9	9
114	Parallel matheuristics for the discrete unit commitment problem with min-stop ramping constraints. *International Transactions in Operational Research*, **2020**, 27, 219-244	2.9	9
113	Matheuristics to optimize refueling and maintenance planning of nuclear power plants. *Journal of Heuristics*, **2021**, 27, 63-105	1.9	9
112	Parallel Evolutionary Combinatorial Optimization **2015**, 1107-1125		8
111	A Parallel Hybrid Evolutionary Algorithm for the Optimization of Broker Virtual Machines Subletting in Cloud Systems **2013**,		8
110	ParadisEO-MOEO: A Software Framework for Evolutionary Multi-Objective Optimization. *Studies in Computational Intelligence*, **2010**, 87-117	0.8	8

109	HYBRIDIZATION OF GENETIC AND QUANTUM ALGORITHM FOR GENE SELECTION AND CLASSIFICATION OF MICROARRAY DATA. *International Journal of Foundations of Computer Science*, **2012**, 23, 431-444	0.6	8
108	GPU-Based Multi-start Local Search Algorithms. *Lecture Notes in Computer Science*, **2011**, 321-335	0.9	8
107	Iterative approaches for solving a multi-objective 2-dimensional vector packing problem. *Computers and Industrial Engineering*, **2013**, 66, 158-170	6.4	7
106	ParadisEO-MO-GPU **2013**,		7
105	A Study on Dominance-Based Local Search Approaches for Multiobjective Combinatorial Optimization. *Lecture Notes in Computer Science*, **2009**, 120-124	0.9	7
104	A unified model for evolutionary multi-objective optimization and its implementation in a general purpose software framework **2009**,		7
103	From Single-Objective to Multi-Objective Vehicle Routing Problems: Motivations, Case Studies, and Methods. *Operations Research/ Computer Science Interfaces Series*, **2008**, 445-471	0.3	7
102	A comparison of PSO and GA approaches for gene selection and classification of microarray data **2007**,		7
101	A comparative study of high-productivity high-performance programming languages for parallel metaheuristics. *Swarm and Evolutionary Computation*, **2020**, 57, 100720	9.8	6
100	Flexible Variable Neighborhood Search in Dynamic Vehicle Routing. *Lecture Notes in Computer Science*, **2011**, 344-353	0.9	6
99	Meta-heuristics for sustainable supply chain management: a review. *International Journal of Production Research*,1-31	7.8	6
98	Metaheuristics for Dynamic Vehicle Routing. *Studies in Computational Intelligence*, **2013**, 265-289	0.8	5
97	Design of Metaheuristic Based on Machine Learning: A Unified Approach **2017**,		5
96	Computational intelligence for cloud management current trends and opportunities **2013**,		5
95	Metaheuristic traceability attack against SLMAP, an RFID lightweight authentication protocol **2009**,		5
94	Metaheuristics for the Bi-objective Ring Star Problem. *Lecture Notes in Computer Science*, **2008**, 206-217	0.9	5
93	Parallel Multi-Objective Approaches for Inferring Phylogenies. *Lecture Notes in Computer Science*, **2010**, 26-37	0.9	5
92	Machine Learning-Guided Dual Heuristics and New Lower Bounds for the Refueling and Maintenance Planning Problem of Nuclear Power Plants. *Algorithms*, **2020**, 13, 185	1.8	5

91	Robust Routes for the Fuzzy Multi-objective Vehicle Routing Problem. *IFAC-PapersOnLine*, **2016**, 49, 769-774	0.7	5
90	A Hybrid ILS-VND Based Hyper-heuristic for Permutation Flowshop Scheduling Problem. *Procedia Computer Science*, **2015**, 60, 632-641	1.6	4
89	Dealing with Epistemic Uncertainty in Multi-objective Optimization: A Survey. *Communications in Computer and Information Science*, **2018**, 260-271	0.3	4
88	FTH-B&B: A Fault-Tolerant HierarchicalBranch and Bound for Large ScaleUnreliable Environments. *IEEE Transactions on Computers*, **2014**, 63, 2302-2315	2.5	4
87	Using multiobjective metaheuristics to solve VRP with uncertain demands **2010**,		4
86	METAHEURISTIC TRACEABILITY ATTACK AGAINST SLMAP, AN RFID LIGHTWEIGHT AUTHENTICATION PROTOCOL. *International Journal of Foundations of Computer Science*, **2012**, 23, 543-553	0.6	4
85	A Comparative Study of Parallel Metaheuristics for Protein Structure Prediction on the Computational Grid **2007**,		4
84	A Parallel Multi-Objective Evolutionary Algorithm for Phylogenetic Inference. *Lecture Notes in Computer Science*, **2010**, 196-199	0.9	4
83	GPU-Based Approaches for Multiobjective Local Search Algorithms. A Case Study: The Flowshop Scheduling Problem. *Lecture Notes in Computer Science*, **2011**, 155-166	0.9	4
82	Intelligent Indoor Evacuation Guidance System Based on Ant Colony Algorithm **2017**,		3
81	Hybrid Metaheuristic for Annual Hydropower Generation Optimization **2014**,		3
80	Local vs. global search strategies in evolutionary GRID-based conformational sampling & docking **2009**,		3
79	PARALLEL HYBRID GENETIC ALGORITHMS FOR SOLVING Q3AP ON COMPUTATIONAL GRID. *International Journal of Foundations of Computer Science*, **2012**, 23, 483-500	0.6	3
78	A priori landscape analysis in guiding interactive multi-objective metaheuristics **2008**,		3
77	A parallel insular model for location areas planning in mobile networks **2008**,		3
76	GGM: efficient navigation and mining in distributed genomedical data. *IEEE Transactions on Nanobioscience*, **2007**, 6, 110-6	3.4	3
75	Breaking the search space symmetry in partitioning problems: An application to the graph coloring problem. *Theoretical Computer Science*, **2007**, 378, 78-86	1.1	3
74	A MULTI-OBJECTIVE EVOLUTIONARY ALGORITHM FOR THE COVERING TOUR PROBLEM. *Advances in Natural Computation*, **2004**, 247-267		3

73	The Influence of Mutation on Protein-Ligand Docking Optimization: A Locality Analysis. *Lecture Notes in Computer Science*, **2008**, 589-598	0.9	3
72	On the Efficiency of Local Search Methods for the Molecular Docking Problem. *Lecture Notes in Computer Science*, **2009**, 104-115	0.9	3
71	CoBRA: A Coevolutionary Metaheuristic for Bi-level Optimization. *Studies in Computational Intelligence*, **2013**, 95-114	0.8	3
70	Computing and Selecting Efficient Solutions of {0, 1}-Knapsack Problems. *Lecture Notes in Economics and Mathematical Systems*, **2010**, 379-389	0.4	3
69	K-Medoids Clustering Is Solvable in Polynomial Time for a 2d Pareto Front. *Advances in Intelligent Systems and Computing*, **2020**, 790-799	0.4	3
68	Overview and Comparison of Gaussian Process-Based Surrogate Models for Mixed Continuous and Discrete Variables: Application on Aerospace Design Problems. *Studies in Computational Intelligence*, **2020**, 189-224	0.8	3
67	Bayesian optimization of variable-size design space problems. *Optimization and Engineering*, **2021**, 22, 387-447	2.1	3
66	Discovering Haplotypes in Linkage Disequilibrium Mapping with an Adaptive Genetic Algorithm. *Lecture Notes in Computer Science*, **2003**, 66-75	0.9	3
65	A Co-evolutionist Meta-heuristic for the Assignment of the Frequencies in Cellular Networks. *Lecture Notes in Computer Science*, **2001**, 140-149	0.9	3
64	Finding a robust configuration for the AEDB information dissemination protocol for mobile ad hoc networks. *Applied Soft Computing Journal*, **2015**, 32, 494-508	7.5	2
63	**2015**,		2
62	How to Deal with Mixed-Variable Optimization Problems: An Overview of Algorithms and Formulations **2018**, 64-82		2
61	A Variable Neighborhood Descent for solving the Single Machine Total Weighted Tardiness Problem **2013**,		2
60	A parameterized scheme of metaheuristics with exact methods for determining the Principle of Least Action in Data Envelopment Analysis **2017**,		2
59	Hybrid Evolutionary Algorithm for Residential Demand Side Management with a Photovoltaic Panel and a Battery **2017**,		2
58	Dynamic Programming Based Metaheuristic for Energy Planning Problems. *Lecture Notes in Computer Science*, **2014**, 165-176	0.9	2
57	Multi-level and Multi-objective Survey on Cloud Scheduling **2014**,		2
56	Hybrid metaheuristic for multi-objective biclustering in microarray data **2012**,		2

55	Parallelization Strategies for Hybrid Metaheuristics Using a Single GPU and Multi-core Resources. *Lecture Notes in Computer Science*, **2012**, 368-377	0.9	2
54	Interval-based initialization method for permutation-based problems **2010**,		2
53	Hybridization of Genetic and Quantum Algorithm for gene selection and classification of Microarray data **2009**,		2
52	Single- and Multi-Objective Cooperation for the Flexible Docking Problem. *Mathematical Modelling and Algorithms*, **2010**, 9, 195-208		2
51	The Impact of Local Search on Protein-Ligand Docking Optimization **2008**,		2
50	Grid-based evolutionary strategies applied to the conformational sampling problem **2007**,		2
49	Nature-inspired distributed computing. *Computer Communications*, **2007**, 30, 653-655	5.1	2
48	A Parallel P2P Branch-and-Bound Algorithm for Computational Grids **2007**,		2
47	A hyper-matheuristic approach for solving mixed integer linear optimization models in the context of data envelopment analysis.. *PeerJ Computer Science*, **2022**, 8, e828	2.7	2
46	Automating the Design of Efficient Distributed Behaviours for a Swarm of UAVs **2020**,		2
45	Metaheuristics for the Virtual Machine Mapping Problem in Clouds. *Informatica*, **2015**, 26, 111-134	2.9	2
44	Clustering a 2d Pareto Front: P-center Problems Are Solvable in Polynomial Time. *Communications in Computer and Information Science*, **2020**, 179-191	0.3	2
43	Adaptive Multi-operator MetaHeuristics for Quadratic Assignment Problems. *Advances in Intelligent Systems and Computing*, **2014**, 149-163	0.4	2
42	On the Integration of a TSP Heuristic into an EA for the Bi-objective Ring Star Problem. *Lecture Notes in Computer Science*, **2008**, 117-130	0.9	2
41	An Analysis of Dynamic Mutation Operators for Conformational Sampling. *Studies in Computational Intelligence*, **2009**, 291-323	0.8	2
40	A Grid-Based Hybrid Hierarchical Genetic Algorithm for Protein Structure Prediction. *Studies in Computational Intelligence*, **2010**, 291-319	0.8	2
39	Unified Polynomial Dynamic Programming Algorithms for P-Center Variants in a 2D Pareto Front. *Mathematics*, **2021**, 9, 453	2.3	2
38	A Parallel Co-evolutionary Metaheuristic. *Lecture Notes in Computer Science*, **2000**, 628-635	0.9	2

37	Solving a dynamic combinatorial auctions problem by a hybrid metaheuristic based on a fuzzy dominance relation. *RAIRO - Operations Research*, **2019**, 53, 207-221	2.2	1
36	Optimizing communication satellites payload configuration with exact approaches. *Engineering Optimization*, **2015**, 47, 1709-1734	2	1
35	On the Impact of Representation and Algorithm Selection for Optimisation in Process Design: Motivating a Meta-Heuristic Framework. *Operations Research/ Computer Science Interfaces Series*, **2018**, 141-149	0.3	1
34	Possibilistic Framework for Multi-Objective Optimization Under Uncertainty. *Operations Research/ Computer Science Interfaces Series*, **2018**, 17-42	0.3	1
33	**2016**,		1
32	(beta)-Robustness Approach for Fuzzy Multi-objective Problems. *Communications in Computer and Information Science*, **2016**, 225-237	0.3	1
31	A Multi-objective Evolutionary Algorithm for Cloud Platform Reconfiguration **2015**,		1
30	A new model for VMMP dealing with execution time uncertainty in a multi-clouds system **2015**,		1
29	Solving Fuzzy Job-Shop Scheduling Problems with a Multiobjective Optimizer. *Advances in Intelligent Systems and Computing*, **2014**, 197-209	0.4	1
28	A Comparative Study of Multi-objective Evolutionary Algorithms for the Bi-objective 2-Dimensional Vector Packing Problem. *Lecture Notes in Computer Science*, **2013**, 37-48	0.9	1
27	Metaheuristics based de novo protein sequencing: A new approach. *Applied Soft Computing Journal*, **2011**, 11, 2271-2278	7.5	1
26	Automated design of efficient swarming behaviours **2020**,		1
25	Matheuristics and Column Generation for a Basic Technician Routing Problem. *Algorithms*, **2021**, 14, 313	1.8	1
24	A Multi-objective Approach to the Design of Conducting Polymer Composites for Electromagnetic Shielding **2007**, 590-603		1
23	A Comparison of Decoding Strategies for the 0/1 Multi-objective Unit Commitment Problem. *Lecture Notes in Computer Science*, **2015**, 381-395	0.9	1
22	Surrogate model based optimization of constrained mixed variable problems: application to the design of a launch vehicle thrust frame **2019**,		1
21	Robustness-based approach for fuzzy multi-objective problems. *Annals of Operations Research*, **2021**, 296, 707-733	3.2	1
20	A Q-Learning Based Hyper-Heuristic for Generating Efficient UAV Swarming Behaviours. *Lecture Notes in Computer Science*, **2021**, 768-781	0.9	1

19	Use of Electric Vehicles in Home-Health Care Routing Problems: Analysis of a Multi-objective Approach under Uncertainty. *IFAC-PapersOnLine*, **2021**, 54, 127-132	0.7	1
18	Recent advances in multiobjective optimization. *Annals of Operations Research*,1	3.2	1
17	Computational Intelligence for Cloud Computing [Guest Editorial]. *IEEE Computational Intelligence Magazine*, **2015**, 10, 18-51	5.6	0
16	A Metaheuristic Framework for Dynamic Network Flow Problems. *Operations Research/ Computer Science Interfaces Series*, **2018**, 285-304	0.3	0
15	Coloring based Hierarchical Routing Approach. *Procedia Computer Science*, **2013**, 19, 188-196	1.6	0
14	MDO Related Issues: Multi-Objective and Mixed Continuous/Discrete Optimization. *Springer Optimization and Its Applications*, **2020**, 321-358	0.4	0
13	DYNAMOP Applied to the Unit Commitment Problem. *Lecture Notes in Computer Science*, **2015**, 223-228	0.9	0
12	Solving the Multi-objective 2-Dimensional Vector Packing Problem Using (epsilon)-constraint Method. *Advances in Intelligent Systems and Computing*, **2021**, 96-104	0.4	0
11	Solving stochastic multiobjective vehicle routing problem using probabilistic metaheuristic. *MATEC Web of Conferences*, **2017**, 105, 00001	0.3	
10	Surrogate-Assisted Multiobjective Evolutionary Algorithm for Fuzzy Job Shop Problems. *Operations Research/ Computer Science Interfaces Series*, **2018**, 415-428	0.3	
9	Multiobjective Path Relinking for Biclustering: Application to Microarray Data. *Lecture Notes in Computer Science*, **2013**, 200-214	0.9	
8	Molecular Docking Using Grid Computing179-198		
7	Parallel and nature-inspired computational paradigms and applications. *Parallel Computing*, **2004**, 30, 551-552	1	
6	Using EAs for Error Prediction in Near Infrared Spectroscopy. *Lecture Notes in Computer Science*, **2002**, 202-209	0.9	
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