

El-ghazali Talbi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A hyper-matheuristic approach for solving mixed integer linear optimization models in the context of data envelopment analysis.. <i>PeerJ Computer Science</i> , 2022 , 8, e828	2.7	2
215	Machine learning at the service of meta-heuristics for solving combinatorial optimization problems: A state-of-the-art. <i>European Journal of Operational Research</i> , 2022 , 296, 393-422	5.6	23
214	Matheuristics and Column Generation for a Basic Technician Routing Problem. <i>Algorithms</i> , 2021 , 14, 313	1.8	1
213	Automated Design of Deep Neural Networks. <i>ACM Computing Surveys</i> , 2021 , 54, 1-37	13.4	11
212	Robustness-based approach for fuzzy multi-objective problems. <i>Annals of Operations Research</i> , 2021 , 296, 707-733	3.2	1
211	Bayesian optimization of variable-size design space problems. <i>Optimization and Engineering</i> , 2021 , 22, 387-447	2.1	3
210	Matheuristics to optimize refueling and maintenance planning of nuclear power plants. <i>Journal of Heuristics</i> , 2021 , 27, 63-105	1.9	9
209	Solving the Multi-objective 2-Dimensional Vector Packing Problem Using (epsilon)-constraint Method. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 96-104	0.4	0
208	A Q-Learning Based Hyper-Heuristic for Generating Efficient UAV Swarming Behaviours. <i>Lecture Notes in Computer Science</i> , 2021 , 768-781	0.9	1
207	Use of Electric Vehicles in Home-Health Care Routing Problems: Analysis of a Multi-objective Approach under Uncertainty. <i>IFAC-PapersOnLine</i> , 2021 , 54, 127-132	0.7	1
206	Unified Polynomial Dynamic Programming Algorithms for P-Center Variants in a 2D Pareto Front. <i>Mathematics</i> , 2021 , 9, 453	2.3	2
205	Machine Learning into Metaheuristics. <i>ACM Computing Surveys</i> , 2021 , 54, 1-32	13.4	19
204	A comparative study of high-productivity high-performance programming languages for parallel metaheuristics. <i>Swarm and Evolutionary Computation</i> , 2020 , 57, 100720	9.8	6
203	Automating the Design of Efficient Distributed Behaviours for a Swarm of UAVs 2020 ,		2
202	Automated design of efficient swarming behaviours 2020 ,		1
201	MDO Related Issues: Multi-Objective and Mixed Continuous/Discrete Optimization. <i>Springer Optimization and Its Applications</i> , 2020 , 321-358	0.4	0
200	Clustering a 2d Pareto Front: P-center Problems Are Solvable in Polynomial Time. <i>Communications in Computer and Information Science</i> , 2020 , 179-191	0.3	2

199	Machine Learning-Guided Dual Heuristics and New Lower Bounds for the Refueling and Maintenance Planning Problem of Nuclear Power Plants. <i>Algorithms</i> , 2020 , 13, 185	1.8	5
198	K-Medoids Clustering Is Solvable in Polynomial Time for a 2d Pareto Front. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 790-799	0.4	3
197	Overview and Comparison of Gaussian Process-Based Surrogate Models for Mixed Continuous and Discrete Variables: Application on Aerospace Design Problems. <i>Studies in Computational Intelligence</i> , 2020 , 189-224	0.8	3
196	Parallel matheuristics for the discrete unit commitment problem with min-stop ramping constraints. <i>International Transactions in Operational Research</i> , 2020 , 27, 219-244	2.9	9
195	Solving a dynamic combinatorial auctions problem by a hybrid metaheuristic based on a fuzzy dominance relation. <i>RAIRO - Operations Research</i> , 2019 , 53, 207-221	2.2	1
194	A unified view of parallel multi-objective evolutionary algorithms. <i>Journal of Parallel and Distributed Computing</i> , 2019 , 133, 349-358	4.4	14
193	Positional Characteristics for Efficient Number Comparison over the Homomorphic Encryption. <i>Programming and Computer Software</i> , 2019 , 45, 532-543	0.8	13
192	Efficient global optimization of constrained mixed variable problems. <i>Journal of Global Optimization</i> , 2019 , 73, 583-613	1.5	14
191	Surrogate model based optimization of constrained mixed variable problems: application to the design of a launch vehicle thrust frame 2019 ,		1
190	Towards understanding uncertainty in cloud computing with risks of confidentiality, integrity, and availability. <i>Journal of Computational Science</i> , 2019 , 36, 100581	3.4	58
189	A generic fuzzy approach for multi-objective optimization under uncertainty. <i>Swarm and Evolutionary Computation</i> , 2018 , 40, 166-183	9.8	16
188	How to Deal with Mixed-Variable Optimization Problems: An Overview of Algorithms and Formulations 2018 , 64-82		2
187	On the Impact of Representation and Algorithm Selection for Optimisation in Process Design: Motivating a Meta-Heuristic Framework. <i>Operations Research/ Computer Science Interfaces Series</i> , 2018 , 141-149	0.3	1
186	Surrogate-Assisted Multiobjective Evolutionary Algorithm for Fuzzy Job Shop Problems. <i>Operations Research/ Computer Science Interfaces Series</i> , 2018 , 415-428	0.3	
185	A Metaheuristic Framework for Dynamic Network Flow Problems. <i>Operations Research/ Computer Science Interfaces Series</i> , 2018 , 285-304	0.3	0
184	Possibilistic Framework for Multi-Objective Optimization Under Uncertainty. <i>Operations Research/ Computer Science Interfaces Series</i> , 2018 , 17-42	0.3	1
183	Dealing with Epistemic Uncertainty in Multi-objective Optimization: A Survey. <i>Communications in Computer and Information Science</i> , 2018 , 260-271	0.3	4
182	A matheuristic for the discrete bilevel problem with multiple objectives at the lower level. <i>International Transactions in Operational Research</i> , 2017 , 24, 959-981	2.9	9

181	Solving stochastic multiobjective vehicle routing problem using probabilistic metaheuristic. <i>MATEC Web of Conferences</i> , 2017 , 105, 00001	0.3	
180	The robust uncapacitated multiple allocation p -hub median problem. <i>Computers and Industrial Engineering</i> , 2017 , 110, 322-332	6.4	18
179	Intelligent Indoor Evacuation Guidance System Based on Ant Colony Algorithm 2017 ,		3
178	Design of Metaheuristic Based on Machine Learning: A Unified Approach 2017 ,		5
177	A parameterized scheme of metaheuristics with exact methods for determining the Principle of Least Action in Data Envelopment Analysis 2017 ,		2
176	Generic Pareto local search metaheuristic for optimization of targeted offers in a bi-objective direct marketing campaign. <i>Computers and Operations Research</i> , 2017 , 78, 578-587	4.6	11
175	Hybrid Evolutionary Algorithm for Residential Demand Side Management with a Photovoltaic Panel and a Battery 2017 ,		2
174	2016 ,		1
173	(beta)-Robustness Approach for Fuzzy Multi-objective Problems. <i>Communications in Computer and Information Science</i> , 2016 , 225-237	0.3	1
172	Combining metaheuristics with mathematical programming, constraint programming and machine learning. <i>Annals of Operations Research</i> , 2016 , 240, 171-215	3.2	62
171	Robust Routes for the Fuzzy Multi-objective Vehicle Routing Problem. <i>IFAC-PapersOnLine</i> , 2016 , 49, 769-774		5
170	Computational Intelligence for Cloud Computing [Guest Editorial]. <i>IEEE Computational Intelligence Magazine</i> , 2015 , 10, 18-51	5.6	0
169	Towards Understanding Uncertainty in Cloud Computing Resource Provisioning. <i>Procedia Computer Science</i> , 2015 , 51, 1772-1781	1.6	64
168	Parallel Evolutionary Combinatorial Optimization 2015 , 1107-1125		8
167	Using multiobjective optimization for biclustering microarray data. <i>Applied Soft Computing Journal</i> , 2015 , 33, 239-249	7.5	15
166	Finding a robust configuration for the AEDB information dissemination protocol for mobile ad hoc networks. <i>Applied Soft Computing Journal</i> , 2015 , 32, 494-508	7.5	2
165	A Survey of Evolutionary Computation for Resource Management of Processing in Cloud Computing [Review Article]. <i>IEEE Computational Intelligence Magazine</i> , 2015 , 10, 53-67	5.6	79
164	A Hybrid ILS-VND Based Hyper-heuristic for Permutation Flowshop Scheduling Problem. <i>Procedia Computer Science</i> , 2015 , 60, 632-641	1.6	4

163	2015,			2
162	Optimizing communication satellites payload configuration with exact approaches. <i>Engineering Optimization</i> , 2015 , 47, 1709-1734		2	1
161	A Multi-objective Evolutionary Algorithm for Cloud Platform Reconfiguration 2015,			1
160	A new model for VMMP dealing with execution time uncertainty in a multi-clouds system 2015,			1
159	Metaheuristics for the Virtual Machine Mapping Problem in Clouds. <i>Informatica</i> , 2015 , 26, 111-134	2.9		2
158	A Comparison of Decoding Strategies for the 0/1 Multi-objective Unit Commitment Problem. <i>Lecture Notes in Computer Science</i> , 2015 , 381-395	0.9		1
157	DYNAMOP Applied to the Unit Commitment Problem. <i>Lecture Notes in Computer Science</i> , 2015 , 223-228	0.9		0
156	A multi-start local search heuristic for an energy efficient VMs assignment on top of the OpenNebula cloud manager. <i>Future Generation Computer Systems</i> , 2014 , 36, 237-256	7.5		13
155	Self-adaptive metaheuristics for solving a multi-objective 2-dimensional vector packing problem. <i>Applied Soft Computing Journal</i> , 2014 , 16, 124-136	7.5		10
154	FTH-B&B: A Fault-Tolerant Hierarchical Branch and Bound for Large Scale Unreliable Environments. <i>IEEE Transactions on Computers</i> , 2014 , 63, 2302-2315	2.5		4
153	A hierarchical approach for energy-efficient scheduling of large workloads in multicore distributed systems. <i>Sustainable Computing: Informatics and Systems</i> , 2014 , 4, 252-261	3		19
152	Dynamic Programming Based Metaheuristic for Energy Planning Problems. <i>Lecture Notes in Computer Science</i> , 2014 , 165-176	0.9		2
151	Solving Fuzzy Job-Shop Scheduling Problems with a Multiobjective Optimizer. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 197-209	0.4		1
150	Hybrid Metaheuristic for Annual Hydropower Generation Optimization 2014,			3
149	Multi-level and Multi-objective Survey on Cloud Scheduling 2014,			2
148	Adaptive Multi-operator MetaHeuristics for Quadratic Assignment Problems. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 149-163	0.4		2
147	Optimizing AEDB Broadcasting Protocol with Parallel Multi-objective Cooperative Coevolutionary NSGA-II. <i>Lecture Notes in Computer Science</i> , 2014 , 39-50	0.9		
146	Preliminary Studies on Biclustering of GWA: A Multiobjective Approach. <i>Lecture Notes in Computer Science</i> , 2014 , 106-117	0.9		

145	ParadisEO-MO: from fitness landscape analysis to efficient local search algorithms. <i>Journal of Heuristics</i> , 2013 , 19, 881-915	1.9	30
144	Combining metaheuristics with mathematical programming, constraint programming and machine learning. <i>4or</i> , 2013 , 11, 101-150	1.4	12
143	GPU Computing for Parallel Local Search Metaheuristic Algorithms. <i>IEEE Transactions on Computers</i> , 2013 , 62, 173-185	2.5	64
142	Iterative approaches for solving a multi-objective 2-dimensional vector packing problem. <i>Computers and Industrial Engineering</i> , 2013 , 66, 158-170	6.4	7
141	Coloring based Hierarchical Routing Approach. <i>Procedia Computer Science</i> , 2013 , 19, 188-196	1.6	0
140	Multiobjective Path Relinking for Biclustering: Application to Microarray Data. <i>Lecture Notes in Computer Science</i> , 2013 , 200-214	0.9	
139	A Pareto-based metaheuristic for scheduling HPC applications on a geographically distributed cloud federation. <i>Cluster Computing</i> , 2013 , 16, 451-468	2.1	34
138	A Parallel Hybrid Evolutionary Algorithm for the Optimization of Broker Virtual Machines Subletting in Cloud Systems 2013 ,		8
137	A pareto-based genetic algorithm for optimized assignment of VM requests on a cloud brokering environment 2013 ,		26
136	A Variable Neighborhood Descent for solving the Single Machine Total Weighted Tardiness Problem 2013 ,		2
135	Metaheuristics on GPUs. <i>Journal of Parallel and Distributed Computing</i> , 2013 , 73, 1-3	4.4	19
134	Multi-environmental cooperative parallel metaheuristics for solving dynamic optimization problems. <i>Journal of Supercomputing</i> , 2013 , 63, 836-853	2.5	11
133	Approximating multi-objective scheduling problems. <i>Computers and Operations Research</i> , 2013 , 40, 1165-1175	1.75	12
132	Metaheuristics for Dynamic Vehicle Routing. <i>Studies in Computational Intelligence</i> , 2013 , 265-289	0.8	5
131	Computational intelligence for cloud management current trends and opportunities 2013 ,		5
130	A Comparative Study of Multi-objective Evolutionary Algorithms for the Bi-objective 2-Dimensional Vector Packing Problem. <i>Lecture Notes in Computer Science</i> , 2013 , 37-48	0.9	1
129	A Taxonomy of Metaheuristics for Bi-level Optimization. <i>Studies in Computational Intelligence</i> , 2013 , 1-39	0.8	27
128	ParadisEO-MO-GPU 2013 ,		7

127	Cost minimization of service deployment in a multi-cloud environment 2013 ,		9
126	A Unified Taxonomy of Hybrid Metaheuristics with Mathematical Programming, Constraint Programming and Machine Learning. <i>Studies in Computational Intelligence</i> , 2013 , 3-76	0.8	11
125	CoBRA: A Coevolutionary Metaheuristic for Bi-level Optimization. <i>Studies in Computational Intelligence</i> , 2013 , 95-114	0.8	3
124	The min-conflict packing problem. <i>Computers and Operations Research</i> , 2012 , 39, 2122-2132	4.6	11
123	On dominance-based multiobjective local search: design, implementation and experimental analysis on scheduling and traveling salesman problems. <i>Journal of Heuristics</i> , 2012 , 18, 317-352	1.9	64
122	Hybrid metaheuristic for multi-objective biclustering in microarray data 2012 ,		2
121	CoBRA: A cooperative coevolutionary algorithm for bi-level optimization 2012 ,		36
120	Parallelization Strategies for Hybrid Metaheuristics Using a Single GPU and Multi-core Resources. <i>Lecture Notes in Computer Science</i> , 2012 , 368-377	0.9	2
119	On optimizing a bi-objective flowshop scheduling problem in an uncertain environment. <i>Computers and Mathematics With Applications</i> , 2012 , 64, 3747-3762	2.7	16
118	Tree-decomposition based heuristics for the two-dimensional bin packing problem with conflicts. <i>Computers and Operations Research</i> , 2012 , 39, 54-63	4.6	15
117	Multi-objective optimization using metaheuristics: non-standard algorithms. <i>International Transactions in Operational Research</i> , 2012 , 19, 283-305	2.9	45
116	A comparative study between dynamic adapted PSO and VNS for the vehicle routing problem with dynamic requests. <i>Applied Soft Computing Journal</i> , 2012 , 12, 1426-1439	7.5	79
115	PARALLEL HYBRID GENETIC ALGORITHMS FOR SOLVING Q3AP ON COMPUTATIONAL GRID. <i>International Journal of Foundations of Computer Science</i> , 2012 , 23, 483-500	0.6	3
114	HYBRIDIZATION OF GENETIC AND QUANTUM ALGORITHM FOR GENE SELECTION AND CLASSIFICATION OF MICROARRAY DATA. <i>International Journal of Foundations of Computer Science</i> , 2012 , 23, 431-444	0.6	8
113	METAHEURISTIC TRACEABILITY ATTACK AGAINST SLMAP, AN RFID LIGHTWEIGHT AUTHENTICATION PROTOCOL. <i>International Journal of Foundations of Computer Science</i> , 2012 , 23, 543-553	0.6	4
112	Multi-objective evolutionary algorithm for biclustering in microarrays data 2011 ,		15
111	A parallel bi-objective hybrid metaheuristic for energy-aware scheduling for cloud computing systems. <i>Journal of Parallel and Distributed Computing</i> , 2011 , 71, 1497-1508	4.4	223
110	The k-coloring fitness landscape. <i>Journal of Combinatorial Optimization</i> , 2011 , 21, 306-329	0.9	15

109	A software framework based on a conceptual unified model for evolutionary multiobjective optimization: ParadisEO-MOEO. <i>European Journal of Operational Research</i> , 2011 , 209, 104-112	5.6	45
108	Metaheuristics based de novo protein sequencing: A new approach. <i>Applied Soft Computing Journal</i> , 2011 , 11, 2271-2278	7.5	1
107	Flexible Variable Neighborhood Search in Dynamic Vehicle Routing. <i>Lecture Notes in Computer Science</i> , 2011 , 344-353	0.9	6
106	Parallel Evolutionary Algorithms for Energy Aware Scheduling. <i>Studies in Computational Intelligence</i> , 2011 , 75-100	0.8	10
105	GPU-Based Multi-start Local Search Algorithms. <i>Lecture Notes in Computer Science</i> , 2011 , 321-335	0.9	8
104	GPU-Based Approaches for Multiobjective Local Search Algorithms. A Case Study: The Flowshop Scheduling Problem. <i>Lecture Notes in Computer Science</i> , 2011 , 155-166	0.9	4
103	Multi-Swarm Optimization for Dynamic Combinatorial Problems: A Case Study on Dynamic Vehicle Routing Problem. <i>Lecture Notes in Computer Science</i> , 2010 , 227-238	0.9	18
102	Parallel hybrid evolutionary algorithms on GPU 2010 ,		9
101	Using multiobjective metaheuristics to solve VRP with uncertain demands 2010 ,		4
100	Interval-based initialization method for permutation-based problems 2010 ,		2
99	A bi-objective hybrid genetic algorithm to minimize energy consumption and makespan for precedence-constrained applications using dynamic voltage scaling 2010 ,		9
98	NEIGHBORHOOD STRUCTURES FOR GPU-BASED LOCAL SEARCH ALGORITHMS. <i>Parallel Processing Letters</i> , 2010 , 20, 307-324	0.3	10
97	Distributed Node Coloring in the SINR Model 2010 ,		14
96	Computing gap free Pareto front approximations with stochastic search algorithms. <i>Evolutionary Computation</i> , 2010 , 18, 65-96	4.3	54
95	ParadisEO-MOEO: A Software Framework for Evolutionary Multi-Objective Optimization. <i>Studies in Computational Intelligence</i> , 2010 , 87-117	0.8	8
94	K-PPM: A new exact method to solve multi-objective combinatorial optimization problems. <i>European Journal of Operational Research</i> , 2010 , 200, 45-53	5.6	34
93	Single- and Multi-Objective Cooperation for the Flexible Docking Problem. <i>Mathematical Modelling and Algorithms</i> , 2010 , 9, 195-208		2
92	A parallel multiple reference point approach for multi-objective optimization. <i>European Journal of Operational Research</i> , 2010 , 205, 390-400	5.6	54

91	Metaheuristics and cooperative approaches for the Bi-objective Ring Star Problem. <i>Computers and Operations Research</i> , 2010 , 37, 1033-1044	4.6	17
90	New lower bounds for bin packing problems with conflicts. <i>European Journal of Operational Research</i> , 2010 , 206, 281-288	5.6	36
89	A Grid-Based Hybrid Hierarchical Genetic Algorithm for Protein Structure Prediction. <i>Studies in Computational Intelligence</i> , 2010 , 291-319	0.8	2
88	Local Search Algorithms on Graphics Processing Units. A Case Study: The Permutation Perceptron Problem. <i>Lecture Notes in Computer Science</i> , 2010 , 264-275	0.9	10
87	Parallel Multi-Objective Approaches for Inferring Phylogenies. <i>Lecture Notes in Computer Science</i> , 2010 , 26-37	0.9	5
86	A Parallel Multi-Objective Evolutionary Algorithm for Phylogenetic Inference. <i>Lecture Notes in Computer Science</i> , 2010 , 196-199	0.9	4
85	Computing and Selecting Efficient Solutions of {0, 1}-Knapsack Problems. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2010 , 379-389	0.4	3
84	Variable Genetic Operator Search for the Molecular Docking Problem. <i>Lecture Notes in Computer Science</i> , 2010 , 1-12	0.9	
83	Radio Network Distributed Algorithms in the Unknown Neighborhood Model. <i>Lecture Notes in Computer Science</i> , 2010 , 155-166	0.9	12
82	Metaheuristic traceability attack against SLMAP, an RFID lightweight authentication protocol 2009 ,		5
81	Hybridization of Genetic and Quantum Algorithm for gene selection and classification of Microarray data 2009 ,		2
80	A parallel hybrid genetic algorithm-simulated annealing for solving Q3AP on computational grid 2009 ,		9
79	Local vs. global search strategies in evolutionary GRID-based conformational sampling & docking 2009 ,		3
78	An evolutionary algorithm for the vehicle routing problem with route balancing. <i>European Journal of Operational Research</i> , 2009 , 195, 761-769	5.6	83
77	Hybridizing exact methods and metaheuristics: A taxonomy. <i>European Journal of Operational Research</i> , 2009 , 199, 620-629	5.6	155
76	Sensitivity and specificity based multiobjective approach for feature selection: Application to cancer diagnosis. <i>Information Processing Letters</i> , 2009 , 109, 887-896	0.8	72
75	An Analysis of the Effect of Multiple Layers in the Multi-Objective Design of Conducting Polymer Composites. <i>Materials and Manufacturing Processes</i> , 2009 , 24, 350-357	4.1	13
74	A Study on Dominance-Based Local Search Approaches for Multiobjective Combinatorial Optimization. <i>Lecture Notes in Computer Science</i> , 2009 , 120-124	0.9	7

73	A unified model for evolutionary multi-objective optimization and its implementation in a general purpose software framework 2009 ,		7
72	2009 ,		988
71	On the Efficiency of Local Search Methods for the Molecular Docking Problem. <i>Lecture Notes in Computer Science</i> , 2009 , 104-115	0.9	3
70	An Analysis of Dynamic Mutation Operators for Conformational Sampling. <i>Studies in Computational Intelligence</i> , 2009 , 291-323	0.8	2
69	From Single-Objective to Multi-Objective Vehicle Routing Problems: Motivations, Case Studies, and Methods. <i>Operations Research/ Computer Science Interfaces Series</i> , 2008 , 445-471	0.3	7
68	Parallel multi-objective algorithms for the molecular docking problem 2008 ,		13
67	Hybridizing evolutionary strategies with continuation methods for solving multi-objective problems. <i>Engineering Optimization</i> , 2008 , 40, 383-402	2	35
66	The Impact of Local Search on Protein-Ligand Docking Optimization 2008 ,		2
65	A priori landscape analysis in guiding interactive multi-objective metaheuristics 2008 ,		3
64	A parallel insular model for location areas planning in mobile networks 2008 ,		3
63	Combining evolutionary algorithms and exact approaches for multi-objective knowledge discovery. <i>RAIRO - Operations Research</i> , 2008 , 42, 69-83	2.2	16
62	Multi-objective vehicle routing problems. <i>European Journal of Operational Research</i> , 2008 , 189, 293-309	5.6	297
61	Convergence of stochastic search algorithms to finite size pareto set approximations. <i>Journal of Global Optimization</i> , 2008 , 41, 559-577	1.5	43
60	A grid-based genetic algorithm combined with an adaptive simulated annealing for protein structure prediction. <i>Soft Computing</i> , 2008 , 12, 1185-1198	3.5	28
59	New analysis of the optimization of electromagnetic shielding properties using conducting polymers and a multi-objective approach. <i>Polymers for Advanced Technologies</i> , 2008 , 19, 762-769	3.2	15
58	Docking and Biomolecular Simulations on Computer Grids: Status and Trends. <i>Current Computer-Aided Drug Design</i> , 2008 , 4, 235-249	1.4	13
57	The Influence of Mutation on Protein-Ligand Docking Optimization: A Locality Analysis. <i>Lecture Notes in Computer Science</i> , 2008 , 589-598	0.9	3
56	Metaheuristics for the Bi-objective Ring Star Problem. <i>Lecture Notes in Computer Science</i> , 2008 , 206-217	0.9	5

55	On the Integration of a TSP Heuristic into an EA for the Bi-objective Ring Star Problem. <i>Lecture Notes in Computer Science</i> , 2008 , 117-130	0.9	2
54	Parallel Approaches for Multiobjective Optimization. <i>Lecture Notes in Computer Science</i> , 2008 , 349-372	0.9	43
53	GGM: efficient navigation and mining in distributed genomedical data. <i>IEEE Transactions on Nanobioscience</i> , 2007 , 6, 110-6	3.4	3
52	Grid-based evolutionary strategies applied to the conformational sampling problem 2007 ,		2
51	Breaking the search space symmetry in partitioning problems: An application to the graph coloring problem. <i>Theoretical Computer Science</i> , 2007 , 378, 78-86	1.1	3
50	Designing cellular networks using a parallel hybrid metaheuristic on the computational grid. <i>Computer Communications</i> , 2007 , 30, 698-713	5.1	21
49	Parallel partitioning method (PPM): A new exact method to solve bi-objective problems. <i>Computers and Operations Research</i> , 2007 , 34, 2450-2462	4.6	26
48	An exact parallel method for a bi-objective permutation flowshop problem. <i>European Journal of Operational Research</i> , 2007 , 177, 1641-1655	5.6	28
47	A parallel hybrid genetic algorithm for protein structure prediction on the computational grid. <i>Future Generation Computer Systems</i> , 2007 , 23, 398-409	7.5	33
46	Target aiming Pareto search and its application to the vehicle routing problem with route balancing. <i>Journal of Heuristics</i> , 2007 , 13, 455-469	1.9	39
45	Nature-inspired distributed computing. <i>Computer Communications</i> , 2007 , 30, 653-655	5.1	2
44	The bi-objective covering tour problem. <i>Computers and Operations Research</i> , 2007 , 34, 1929-1942	4.6	54
43	A Comparative Study of Parallel Metaheuristics for Protein Structure Prediction on the Computational Grid 2007 ,		4
42	A comparison of PSO and GA approaches for gene selection and classification of microarray data 2007 ,		7
41	Convergence of stochastic search algorithms to gap-free pareto front approximations 2007 ,		14
40	ParadisEO-MOEO: A Framework for Evolutionary Multi-objective Optimization 2007 , 386-400		41
39	A Memetic PSO Algorithm for Scalar Optimization Problems 2007 ,		10
38	Gene selection in cancer classification using PSO/SVM and GA/SVM hybrid algorithms 2007 ,		98

37	A Parallel P2P Branch-and-Bound Algorithm for Computational Grids 2007 ,		2
36	Combinatorial Optimization of Stochastic Multi-objective Problems: An Application to the Flow-Shop Scheduling Problem 2007 , 457-471		17
35	A Multi-objective Approach to the Design of Conducting Polymer Composites for Electromagnetic Shielding 2007 , 590-603		1
34	Approximating the Efficient Set of an MOP with Stochastic Search Algorithms. <i>Lecture Notes in Computer Science</i> , 2007 , 128-138	0.9	9
33	Enhancements of NSGA II and Its Application to the Vehicle Routing Problem with Route Balancing. <i>Lecture Notes in Computer Science</i> , 2006 , 131-142	0.9	30
32	Grid5000: A Large Scale And Highly Reconfigurable Experimental Grid Testbed. <i>International Journal of High Performance Computing Applications</i> , 2006 , 20, 481-494	1.8	260
31	Using Datamining Techniques to Help Metaheuristics: A Short Survey. <i>Lecture Notes in Computer Science</i> , 2006 , 57-69	0.9	23
30	Parallel cooperative meta-heuristics on the computational grid.. <i>Parallel Computing</i> , 2006 , 32, 643-659	1	16
29	Hierarchical parallel approach for GSM mobile network design. <i>Journal of Parallel and Distributed Computing</i> , 2006 , 66, 274-290	4.4	20
28	Grid computing for parallel bioinspired algorithms. <i>Journal of Parallel and Distributed Computing</i> , 2006 , 66, 1052-1061	4.4	50
27	COSEARCH: A Parallel Cooperative Metaheuristic. <i>Mathematical Modelling and Algorithms</i> , 2006 , 5, 5-22		41
26	Path Relinking in Pareto Multi-objective Genetic Algorithms. <i>Lecture Notes in Computer Science</i> , 2005 , 120-134	0.9	20
25	Parallel Hybrid Metaheuristics 2005 , 347-370		16
24	ParadisEO: A Framework for the Reusable Design of Parallel and Distributed Metaheuristics. <i>Journal of Heuristics</i> , 2004 , 10, 357-380	1.9	217
23	Building with ParadisEO reusable parallel and distributed evolutionary algorithms. <i>Parallel Computing</i> , 2004 , 30, 677-697	1	20
22	Parallel and nature-inspired computational paradigms and applications. <i>Parallel Computing</i> , 2004 , 30, 551-552	1	
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