

Laetitia Jourdan

List of Publications by Citations

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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.

99
papers

1,241
citations

17
h-index

33
g-index

110
ext. papers

1,422
ext. citations

2.3
avg, IF

4.44
L-index

#	Paper	IF	Citations
99	Hybridizing exact methods and metaheuristics: A taxonomy. <i>European Journal of Operational Research</i> , 2009 , 199, 620-629	5.6	155
98	Gene selection in cancer classification using PSO/SVM and GA/SVM hybrid algorithms 2007 ,		98
97	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
96	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
95	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
94	Synergies between operations research and data mining: The emerging use of multi-objective approaches. <i>European Journal of Operational Research</i> , 2012 , 221, 469-479	5.6	51
93	On the structure of multiobjective combinatorial search space: MNK-landscapes with correlated objectives. <i>European Journal of Operational Research</i> , 2013 , 227, 331-342	5.6	50
92	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
91	ParadisEO-MOEO: A Framework for Evolutionary Multi-objective Optimization 2007 , 386-400		41
90	Solving a dial-a-ride problem with a hybrid evolutionary multi-objective approach: Application to demand responsive transport. <i>Applied Soft Computing Journal</i> , 2012 , 12, 1247-1258	7.5	40
89	Multi-Objective Combinatorial Optimization: Problematic and Context. <i>Studies in Computational Intelligence</i> , 2010 , 1-21	0.8	29
88	Comparison of population based metaheuristics for feature selection: Application to microarray data classification 2008 ,		27
87	Preliminary Investigation of the [Learnable Evolution Model] for Faster/Better Multiobjective Water Systems Design. <i>Lecture Notes in Computer Science</i> , 2005 , 841-855	0.9	25
86	Using Datamining Techniques to Help Metaheuristics: A Short Survey. <i>Lecture Notes in Computer Science</i> , 2006 , 57-69	0.9	23
85	MO-ParamILS: A Multi-objective Automatic Algorithm Configuration Framework. <i>Lecture Notes in Computer Science</i> , 2016 , 32-47	0.9	20
84	On the Neutrality of Flowshop Scheduling Fitness Landscapes. <i>Lecture Notes in Computer Science</i> , 2011 , 238-252	0.9	19
83	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

82	Metaheuristics and cooperative approaches for the Bi-objective Ring Star Problem. <i>Computers and Operations Research</i> , 2010 , 37, 1033-1044	4.6	17
81	Combinatorial Optimization of Stochastic Multi-objective Problems: An Application to the Flow-Shop Scheduling Problem 2007 , 457-471		17
80	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
79	Using multiobjective optimization for biclustering microarray data. <i>Applied Soft Computing Journal</i> , 2015 , 33, 239-249	7.5	15
78	Multi-objective evolutionary algorithm for biclustering in microarrays data 2011 ,		15
77	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
76	2016 ,		15
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	Parallel multi-objective algorithms for the molecular docking problem 2008 ,		13
73	Conception of a dominance-based multi-objective local search in the context of classification rule mining in large and imbalanced data sets. <i>Applied Soft Computing Journal</i> , 2015 , 34, 705-720	7.5	12
72	Survey and unification of local search techniques in metaheuristics for multi-objective combinatorial optimisation. <i>Journal of Heuristics</i> , 2018 , 24, 853-877	1.9	12
71	Multi-environmental cooperative parallel metaheuristics for solving dynamic optimization problems. <i>Journal of Supercomputing</i> , 2013 , 63, 836-853	2.5	11
70	Adaptive particle swarm for solving the Dynamic Vehicle Routing Problem 2010 ,		11
69	NILS: A Neutrality-Based Iterated Local Search and Its Application to Flowshop Scheduling. <i>Lecture Notes in Computer Science</i> , 2011 , 191-202	0.9	11
68	Analyzing the Effect of Objective Correlation on the Efficient Set of MNK-Landscapes. <i>Lecture Notes in Computer Science</i> , 2011 , 116-130	0.9	11
67	Automatically Configuring Multi-objective Local Search Using Multi-objective Optimisation. <i>Lecture Notes in Computer Science</i> , 2017 , 61-76	0.9	8
66	Extraction and optimization of classification rules for temporal sequences: Application to hospital data. <i>Knowledge-Based Systems</i> , 2017 , 122, 148-158	7.3	8
65	ParadisEO-MOEO: A Software Framework for Evolutionary Multi-Objective Optimization. <i>Studies in Computational Intelligence</i> , 2010 , 87-117	0.8	8

64	Multi-environmental Cooperative Parallel Metaheuristics for Solving Dynamic Optimization Problems 2011 ,		8
63	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
62	A unified model for evolutionary multi-objective optimization and its implementation in a general purpose software framework 2009 ,		7
61	A comparison of PSO and GA approaches for gene selection and classification of microarray data 2007 ,		7
60	Metaheuristics for data mining. <i>4or</i> , 2019 , 17, 115-139	1.4	6
59	Automatic design of multi-objective local search algorithms 2017 ,		6
58	Hybridising rule induction and multi-objective evolutionary search for optimising water distribution systems		6
57	Flexible Variable Neighborhood Search in Dynamic Vehicle Routing. <i>Lecture Notes in Computer Science</i> , 2011 , 344-353	0.9	6
56	Metaheuristics for Dynamic Vehicle Routing. <i>Studies in Computational Intelligence</i> , 2013 , 265-289	0.8	5
55	The benefits of using multi-objectivization for mining pittsburgh partial classification rules in imbalanced and discrete data 2013 ,		5
54	A data mining approach to discover genetic and environmental factors involved in multifactorial diseases. <i>Knowledge-Based Systems</i> , 2002 , 15, 235-242	7.3	5
53	Metaheuristics for the Bi-objective Ring Star Problem. <i>Lecture Notes in Computer Science</i> , 2008 , 206-217	0.9	5
52	Parallel Multi-Objective Approaches for Inferring Phylogenies. <i>Lecture Notes in Computer Science</i> , 2010 , 26-37	0.9	5
51	Pareto Local Optima of Multiobjective NK-Landscapes with Correlated Objectives. <i>Lecture Notes in Computer Science</i> , 2011 , 226-237	0.9	5
50	Automatic Configuration of Multi-Objective Local Search Algorithms for Permutation Problems. <i>Evolutionary Computation</i> , 2019 , 27, 147-171	4.3	5
49	Using multiobjective metaheuristics to solve VRP with uncertain demands 2010 ,		4
48	A Parallel Multi-Objective Evolutionary Algorithm for Phylogenetic Inference. <i>Lecture Notes in Computer Science</i> , 2010 , 196-199	0.9	4
47	Discovery of Genetic and Environmental Interactions in Disease Data Using Evolutionary Computation 2003 , 297-316		4

46	A multi-objective dynamic programming-based metaheuristic to solve a bi-objective unit commitment problem using a multi-objective decoder. <i>International Journal of Metaheuristics</i> , 2016 , 5, 3	0.8	3
45	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	3
44	On optimizing a demand responsive transport with an evolutionary multi-objective approach 2010 ,		3
43	Neutral but a Winner! How Neutrality Helps Multiobjective Local Search Algorithms. <i>Lecture Notes in Computer Science</i> , 2015 , 34-47	0.9	3
42	Bypassing or flying above the obstacles? A novel multi-objective UAV path planning problem 2020 ,		3
41	Feature Selection Using Tabu Search with Learning Memory: Learning Tabu Search. <i>Lecture Notes in Computer Science</i> , 2016 , 141-156	0.9	3
40	Discovering Haplotypes in Linkage Disequilibrium Mapping with an Adaptive Genetic Algorithm. <i>Lecture Notes in Computer Science</i> , 2003 , 66-75	0.9	3
39	Dynamic Programming Based Metaheuristic for Energy Planning Problems. <i>Lecture Notes in Computer Science</i> , 2014 , 165-176	0.9	2
38	Hybrid metaheuristic for multi-objective biclustering in microarray data 2012 ,		2
37	Fitness Landscape Analysis and Metaheuristics Efficiency. <i>Mathematical Modelling and Algorithms</i> , 2012 , 12, 3		2
36	Single- and Multi-Objective Cooperation for the Flexible Docking Problem. <i>Mathematical Modelling and Algorithms</i> , 2010 , 9, 195-208		2
35	An Enhanced NSGA-II for Multiobjective UAV Path Planning in Urban Environments 2020 ,		2
34	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
33	A Scalable Biclustering Method for Heterogeneous Medical Data. <i>Lecture Notes in Computer Science</i> , 2016 , 70-81	0.9	2
32	Neutrality in the Graph Coloring Problem. <i>Lecture Notes in Computer Science</i> , 2013 , 125-130	0.9	2
31	Automatic Configuration of Bi-Objective Optimisation Algorithms: Impact of Correlation Between Objectives 2018 ,		2
30	Configuration of a Dynamic MOLS Algorithm for Bi-objective Flowshop Scheduling. <i>Lecture Notes in Computer Science</i> , 2019 , 565-577	0.9	1
29	ClinMine: Optimizing the Management of Patients in Hospital. <i>Irbm</i> , 2018 , 39, 83-92	4.8	1

28	Comparison of neighborhoods for the HFF-AVRP 2010 ,		1
27	Metaheuristics based de novo protein sequencing: A new approach. <i>Applied Soft Computing Journal</i> , 2011 , 11, 2271-2278	7.5	1
26	The road to VEGAS 2011 ,		1
25	Evolutionary Feature Selection for Bioinformatics117-139		1
24	Metaheuristics for data mining: survey and opportunities for big data. <i>Annals of Operations Research</i> ,1	3.2	1
23	Time-dependent automatic parameter configuration of a local search algorithm 2020 ,		1
22	Automatic Configuration of a Multi-objective Local Search for Imbalanced Classification. <i>Lecture Notes in Computer Science</i> , 2020 , 65-77	0.9	1
21	A Multi-objective Approach to the Design of Conducting Polymer Composites for Electromagnetic Shielding 2007 , 590-603		1
20	MOCA-I: Discovering Rules and Guiding Decision Maker in the Context of Partial Classification in Large and Imbalanced Datasets. <i>Lecture Notes in Computer Science</i> , 2013 , 37-51	0.9	1
19	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
18	The detection of hospitalized patients at risk of testing positive to multi-drug resistant bacteria using MOCA-I, a rule-based "white-box" classification algorithm for medical data. <i>International Journal of Medical Informatics</i> , 2020 , 142, 104242	5.3	1
17	Decoder-based evolutionary algorithm for bi-objective just-in-time single-machine job-shop 2016 ,		1
16	Multi-objective Neutral Neighbors' 2016 ,		1
15	Adaptive Multi-objective Local Search Algorithms for the Permutation Flowshop Scheduling Problem. <i>Lecture Notes in Computer Science</i> , 2019 , 241-256	0.9	1
14	(MO-Mine_{clust}): A Framework for Multi-objective Clustering. <i>Lecture Notes in Computer Science</i> , 2015 , 293-305	0.9	0
13	DYNAMOP Applied to the Unit Commitment Problem. <i>Lecture Notes in Computer Science</i> , 2015 , 223-228	0.9	0
12	An exact algorithm for the bi-objective timing problem. <i>Optimization Letters</i> , 2018 , 12, 903-914	1.1	
11	Solving the Problem of Dynamic Routes by Particle Swarm 2014 , 173-198		

- 10 Multiobjective Path Relinking for Biclustering: Application to Microarray Data. *Lecture Notes in Computer Science*, **2013**, 200-214 0.9
- 9 Knowledge Discovery in Bioinformatics **2015**, 1211-1223
- 8 Multiobjective Biclustering of Gene Expression Data with Bioinspired Algorithms **2013**, 609-624
- 7 Unbalanced budget distribution for automatic algorithm configuration. *Soft Computing*, **2018**, 1-10 3.5
- 6 Evolutionary Data Mining for Genomics **2005**, 482-486
- 5 Evolutionary Data Mining for Genomics **2009**, 823-828
- 4 Variable Genetic Operator Search for the Molecular Docking Problem. *Lecture Notes in Computer Science*, **2010**, 1-12 0.9
- 3 On the Effect of Connectedness for Biobjective Multiple and Long Path Problems. *Lecture Notes in Computer Science*, **2011**, 31-45 0.9
- 2 Preliminary Studies on Biclustering of GWA: A Multiobjective Approach. *Lecture Notes in Computer Science*, **2014**, 106-117 0.9
- 1 New Initialisation Techniques for Multi-objective Local Search. *Lecture Notes in Computer Science*, **2018**, 323-334 0.9