Laetitia Jourdan

List of Publications by Year
in descending order

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101 papers	1,625 citations	471371 17 h-index	377752 34 g-index
110 all docs	110 docs citations	110 times ranked	1490 citing authors

#	Article	IF	Citations
1	Hybridizing exact methods and metaheuristics: A taxonomy. European Journal of Operational Research, 2009, 199, 620-629.	3.5	187
2	Gene selection in cancer classification using PSO/SVM and GA/SVM hybrid algorithms. , 2007, , .		143
3	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.	4.1	108
4	Sensitivity and specificity based multiobjective approach for feature selection: Application to cancer diagnosis. Information Processing Letters, 2009, 109, 887-896.	0.4	88
5	On dominance-based multiobjective local search: design, implementation and experimental analysis on scheduling and traveling salesman problems. Journal of Heuristics, 2012, 18, 317-352.	1.1	75
6	On the structure of multiobjective combinatorial search space: MNK-landscapes with correlated objectives. European Journal of Operational Research, 2013, 227, 331-342.	3.5	74
7	Synergies between operations research and data mining: The emerging use of multi-objective approaches. European Journal of Operational Research, 2012, 221, 469-479.	3.5	65
8	Solving a dial-a-ride problem with a hybrid evolutionary multi-objective approach: Application to demand responsive transport. Applied Soft Computing Journal, 2012, 12, 1247-1258.	4.1	56
9	A software framework based on a conceptual unified model for evolutionary multiobjective optimization: ParadisEO-MOEO. European Journal of Operational Research, 2011, 209, 104-112.	3.5	53
10	ParadisEO-MOEO: A Framework for Evolutionary Multi-objective Optimization. , 2007, , 386-400.		46
11	Multi-Objective Combinatorial Optimization: Problematic and Context. Studies in Computational Intelligence, 2010, , 1-21.	0.7	41
12	Comparison of population based metaheuristics for feature selection: Application to microarray data classification. , 2008, , .		35
13	Using Datamining Techniques to Help Metaheuristics: A Short Survey. Lecture Notes in Computer Science, 2006, , 57-69.	1.0	33
14	MO-ParamILS: A Multi-objective Automatic Algorithm Configuration Framework. Lecture Notes in Computer Science, 2016, , 32-47.	1.0	30
15	Preliminary Investigation of the â€˜Learnable Evolution Modelâ€™ for Faster/Better Multiobjective Water Systems Design. Lecture Notes in Computer Science, 2005, , 841-855.	1.0	28
16	Survey and unification of local search techniques in metaheuristics for multi-objective combinatorial optimisation. Journal of Heuristics, 2018, 24, 853-877.	1.1	21
17	On the Neutrality of Flowshop Scheduling Fitness Landscapes. Lecture Notes in Computer Science, 2011, , 238-252.	1.0	20
18	Metaheuristics and cooperative approaches for the Bi-objective Ring Star Problem. Computers and Operations Research, 2010, 37, 1033-1044.	2.4	19

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19	Combinatorial Optimization of Stochastic Multi-objective Problems: An Application to the Flow-Shop Scheduling Problem. , 2007, , 457-471.		19
20	Multi-Swarm Optimization for Dynamic Combinatorial Problems: A Case Study on Dynamic Vehicle Routing Problem. Lecture Notes in Computer Science, 2010, , 227-238.	1.0	18
21	On optimizing a bi-objective flowshop scheduling problem in an uncertain environment. Computers and Mathematics With Applications, 2012, 64, 3747-3762.	1.4	18
22	Using multiobjective optimization for biclustering microarray data. Applied Soft Computing Journal, 2015, 33, 239-249.	4.1	18
23	Multi-objective evolutionary algorithm for biclustering in microarrays data. , 2011, , .		17
24	Conception of a dominance-based multi-objective local search in the context of classification rule mining in large and imbalanced data sets. Applied Soft Computing Journal, 2015, 34, 705-720.	4.1	17
25	New analysis of the optimization of electromagnetic shielding properties using conducting polymers and a multiâ€objective approach. Polymers for Advanced Technologies, 2008, 19, 762-769.	1.6	16
26	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.	2.7	14
27	Parallel multi-objective algorithms for the molecular docking problem. , 2008, , .		13
28	Adaptive particle swarm for solving the Dynamic Vehicle Routing Problem. , 2010, , .		13
29	Multi-environmental cooperative parallel metaheuristics for solving dynamic optimization problems. Journal of Supercomputing, 2013, 63, 836-853.	2.4	13
30	Analyzing the Effect of Objective Correlation on the Efficient Set of MNK-Landscapes. Lecture Notes in Computer Science, 2011, , 116-130.	1.0	13
31	Metaheuristics for data mining: survey and opportunities for big data. Annals of Operations Research, 2022, 314, 117-140.	2.6	12
32	ParadisEO-MOEO: A Software Framework for Evolutionary Multi-Objective Optimization. Studies in Computational Intelligence, 2010, , 87-117.	0.7	11
33	Automatically Configuring Multi-objective Local Search Using Multi-objective Optimisation. Lecture Notes in Computer Science, 2017, , 61-76.	1.0	11
34	Automatic Configuration of Multi-Objective Local Search Algorithms for Permutation Problems. Evolutionary Computation, 2019, 27, 147-171.	2.3	11
35	Parallel Multi-Objective Approaches for Inferring Phylogenies. Lecture Notes in Computer Science, 2010, , 26-37.	1.0	11
36	An Enhanced NSGA-II for Multiobjective UAV Path Planning in Urban Environments. , 2020, , .		11

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37	Metaheuristics for data mining. 4or, 2019, 17, 115-139.	1.0	10
38	Extraction and optimization of classification rules for temporal sequences: Application to hospital data. Knowledge-Based Systems, 2017, 122, 148-158.	4.0	9
39	Bypassing or flying above the obstacles? A novel multi-objective UAV path planning problem. , 2020, , .		9
40	A data mining approach to discover genetic and environmental factors involved in multifactorial diseases. Knowledge-Based Systems, 2002, 15, 235-242.	4.0	8
41	Multi-environmental Cooperative Parallel Metaheuristics for Solving Dynamic Optimization Problems. , 2011, , .		8
42	The benefits of using multi-objectivization for mining pittsburgh partial classification rules in imbalanced and discrete data. , 2013, , .		8
43	A comparison of PSO and GA approaches for gene selection and classification of microarray data. , 2007, , .		7
44	A Study on Dominance-Based Local Search Approaches for Multiobjective Combinatorial Optimization. Lecture Notes in Computer Science, 2009, , 120-124.	1.0	7
45	A unified model for evolutionary multi-objective optimization and its implementation in a general purpose software framework. , 2009, , .		7
46	Metaheuristics for Dynamic Vehicle Routing. Studies in Computational Intelligence, 2013, , 265-289.	0.7	7
47	Automatic design of multi-objective local search algorithms. , 2017, , .		7
48	Metaheuristics for the Bi-objective Ring Star Problem. Lecture Notes in Computer Science, 2008, , 206-217.	1.0	7
49	Pareto Local Optima of Multiobjective NK-Landscapes with Correlated Objectives. Lecture Notes in Computer Science, 2011, , 226-237.	1.0	7
50	Flexible Variable Neighborhood Search in Dynamic Vehicle Routing. Lecture Notes in Computer Science, 2011, , 344-353.	1.0	7
51	Hybridising Rule Induction and Multi-Objective Evolutionary Search for Optimising Water Distribution Systems. , 0, , .		6
52	A Biclustering Method for Heterogeneous and Temporal Medical Data. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 506-518.	4.0	6
53	Using multiobjective metaheuristics to solve VRP with uncertain demands. , 2010, , .		5
54	A multi-objective dynamic programming-based metaheuristic to solve a bi-objective unit commitment problem using a multi-objective decoder. International Journal of Metaheuristics, 2016, 5, 3.	0.1	5

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55	Discovery of Genetic and Environmental Interactions in Disease Data Using Evolutionary Computation. , 2003, , 297-316.		5
56	On optimizing a demand responsive transport with an evolutionary multi-objective approach. , 2010, , .		4
57	Fitness Landscape Analysis and Metaheuristics Efficiency. Mathematical Modelling and Algorithms, 2013, 12, 3.	0.5	4
58	Feature Selection Using Tabu Search with Learning Memory: Learning Tabu Search. Lecture Notes in Computer Science, 2016, , 141-156.	1.0	4
59	Discovering Haplotypes in Linkage Disequilibrium Mapping with an Adaptive Genetic Algorithm. Lecture Notes in Computer Science, 2003, , 66-75.	1.0	4
60	A Parallel Multi-Objective Evolutionary Algorithm for Phylogenetic Inference. Lecture Notes in Computer Science, 2010, , 196-199.	1.0	4
61	Dynamic Programming Based Metaheuristic for Energy Planning Problems. Lecture Notes in Computer Science, 2014, , 165-176.	1.0	3
62	Automatic Configuration of a Multi-objective Local Search for Imbalanced Classification. Lecture Notes in Computer Science, 2020, , 65-77.	1.0	3
63	Neutrality in the Graph Coloring Problem. Lecture Notes in Computer Science, 2013, , 125-130.	1.0	3
64	A Scalable Biclustering Method for Heterogeneous Medical Data. Lecture Notes in Computer Science, 2016, , 70-81.	1.0	3
65	Single- and Multi-Objective Cooperation for the Flexible Docking Problem. Mathematical Modelling and Algorithms, 2010, 9, 195-208.	0.5	2
66	Comparison of neighborhoods for the HFF-AVRP. , 2010, , .		2
67	The road to VEGAS. , 2011, , .		2
68	Hybrid metaheuristic for multi-objective biclustering in microarray data. , 2012, , .		2
69	Automatic Configuration of Bi-Objective Optimisation Algorithms: Impact of Correlation Between Objectives. , 2018, , .		2
70	Multi-objective Automatic Algorithm Configuration for the Classification Problem of Imbalanced Data. , 2020, , .		2
71	A Multi-Objective Evolutionary Approach to Professional Course Timetabling: A Real-World Case Study. , 2021, , .		2
72	On the Integration of a TSP Heuristic into anÂEA for the Bi-objective Ring Star Problem. Lecture Notes in Computer Science, 2008, , 117-130.	1.0	2

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73	MOCA-I: Discovering Rules and Guiding Decision Maker in the Context of Partial Classification in Large and Imbalanced Datasets. Lecture Notes in Computer Science, 2013, , 37-51.	1.0	2
74	A Comparison of Decoding Strategies for the 0/1 Multi-objective Unit Commitment Problem. Lecture Notes in Computer Science, 2015, , 381-395.	1.0	2
75	Evolutionary Feature Selection for Bioinformatics. , 0, , 117-139.		1
76	Metaheuristics based de novo protein sequencing: A new approach. Applied Soft Computing Journal, 2011, 11, 2271-2278.	4.1	1
77	$$MO-Mine_{clust}$$: A Framework for Multi-objective Clustering. Lecture Notes in Computer Science, 2015, , 293-305.	1.0	1
78	Decoder-based evolutionary algorithm for bi-objective just-in-time single-machine job-shop. , 2016, , .		1
79	Multi-objective Neutral Neighbors'. , 2016, , .		1
80	An exact algorithm for the bi-objective timing problem. Optimization Letters, 2018, 12, 903-914.	0.9	1
81	ClinMine: Optimizing the Management of Patients in Hospital. Irbm, 2018, 39, 83-92.	3.7	1
82	Configuration of a Dynamic MOLS Algorithm for Bi-objective Flowshop Scheduling. Lecture Notes in Computer Science, 2019, , 565-577.	1.0	1
83	Adaptive Multi-objective Local Search Algorithms for the Permutation Flowshop Scheduling Problem. Lecture Notes in Computer Science, 2019, , 241-256.	1.0	1
84	The detection of hospitalized patients at risk of testing positive to multi-drug resistant bacteria using MOCA-I, a rule-based â€œwhite-boxâ€•classification algorithm for medical data. International Journal of Medical Informatics, 2020, 142, 104242.	1.6	1
85	A Multi-objective Approach to the Design of Conducting Polymer Composites for Electromagnetic Shielding. , 2007, , 590-603.		1
86	ASGARD : un algorithme gÃ©nÃ©tique pour les rÃ¨gles d'association. Application Ã la gÃ©nomique. Revue D'Intelligence Artificielle, 2002, 16, 657-683.	0.5	1
87	Unbalanced budget distribution for automatic algorithm configuration. Soft Computing, 2022, 26, 1315-1330.	2.1	1
88	Time-dependent automatic parameter configuration of a local search algorithm. , 2020, , .		1
89	Parallel Hybrid Metaheuristic for Multi-objective Biclustering in Microarray Data. , 2012, , .		0
90	Multiobjective Path Relinking for Biclustering: Application to Microarray Data. Lecture Notes in Computer Science, 2013, , 200-214.	1.0	0

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91	Knowledge Discovery in Bioinformatics. , 2015, , 1211-1223.		0
92	New Initialisation Techniques for Multi-objective Local Search. Lecture Notes in Computer Science, 2018, , 323-334.	1.0	0
93	Biclustering similarity measures for heterogeneous data. AIP Conference Proceedings, 2018, , .	0.3	0
94	A hybrid CP/MOLS approach for multi-objective imbalanced classification. , 2021, , .		0
95	Evolutionary Data Mining for Genomics. , 2005, , 482-486.		0
96	MÃ©taheuristiques pour le flow-shop de permutation bi-objectif stochastique. Revue D'Intelligence Artificielle, 2008, 22, 183-208.	0.5	0
97	Evolutionary Data Mining for Genomics. , 2009, , 823-828.		0
98	Variable Genetic Operator Search for the Molecular Docking Problem. Lecture Notes in Computer Science, 2010, , 1-12.	1.0	0
99	On the Effect of Connectedness for Biobjective Multiple and Long Path Problems. Lecture Notes in Computer Science, 2011, , 31-45.	1.0	0
100	Preliminary Studies on Biclustering of GWA: A Multiobjective Approach. Lecture Notes in Computer Science, 2014, , 106-117.	1.0	0
101	Automatic Configuration of Multi-Thread Local Search: Preliminary Results on Bi-objective TSP. , 2020, , .		0