

Saoussen Krichen

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.

109
papers

698
citations

12
h-index

22
g-index

131
ext. papers

963
ext. citations

2
avg, IF

4.96
L-index

#	Paper	IF	Citations
109	Towards an efficient collection and transport of COVID-19 diagnostic specimens using genetic-based algorithms.. <i>Applied Soft Computing Journal</i> , 2022 , 116, 108264	7.5	0
108	A Novel adaptive genetic algorithm for Dynamic Vehicle Routing Problem with Backhaul and Two-dimensional loading constraints, A Case in Tunisian Posta. <i>International Journal of Applied Metaheuristic Computing</i> , 2022 , 13, 0-0	0.8	
107	Sustainable maritime crude oil transportation: a split pickup and split delivery problem with time windows. <i>Procedia Computer Science</i> , 2021 , 192, 4300-4309	1.6	0
106	Profit maximizing coalitions with shared capacities in distribution networks. <i>European Journal of Operational Research</i> , 2021 , 288, 480-495	5.6	4
105	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
104	A simulated annealing-based recommender system for solving the tourist trip design problem. <i>Expert Systems With Applications</i> , 2021 , 186, 115723	7.8	3
103	A hybrid genetic algorithm for scientific workflow scheduling in cloud environment. <i>Neural Computing and Applications</i> , 2020 , 32, 15263-15278	4.8	11
102	A decision support system for the dynamic hazardous materials vehicle routing problem. <i>Operational Research</i> , 2020 , 1	1.6	2
101	A NSGA2-LR wrapper approach for feature selection in network intrusion detection. <i>Computer Networks</i> , 2020 , 172, 107183	5.4	23
100	An Efficient Hybrid Evolutionary Algorithm for the Smart Vehicle Routing Problem. <i>EAI/Springer Innovations in Communication and Computing</i> , 2020 , 197-213	0.6	
99	Two metaheuristic approaches for solving the multi-compartment vehicle routing problem. <i>Operational Research</i> , 2020 , 20, 2085-2108	1.6	8
98	Two meta-heuristics for solving the capacitated vehicle routing problem: the case of the Tunisian Post Office. <i>Operational Research</i> , 2020 , 1	1.6	6
97	A real-time Decision Support System for Big Data Analytic: A case of Dynamic Vehicle Routing Problems. <i>Procedia Computer Science</i> , 2020 , 176, 938-947	1.6	3
96	A genetic algorithm for supplier selection problem under collaboration opportunities. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2020 , 1-27	2	2
95	An Adaptive Genetic Algorithm for Dynamic Vehicle Routing Problem with Backhaul and Two-dimensional loading constraints 2020 ,		1
94	BNOAn ontology for understanding the transittability of complex biomolecular networks. <i>Web Semantics</i> , 2019 , 57, 100495	2.9	
93	Using Bankruptcy Rules to Allocate CO2 Emission Permits. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2019 , 82-92	0.2	1

92	Measuring and evaluating hybrid metaheuristics for solving the multi-compartment vehicle routing problem. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019 , 141, 407-419	4.6	10
91	A Hybrid Simulated Annealing Approach for the Patient Bed Assignment Problem. <i>Procedia Computer Science</i> , 2019 , 159, 408-417	1.6	6
90	A hyper-heuristic framework for solving the delivery problem with time windows. <i>International Journal of Services and Operations Management</i> , 2019 , 33, 529	0.4	1
89	Metaheuristics for solving the biobjective single-path multicommodity communication flow problem. <i>International Transactions in Operational Research</i> , 2019 , 26, 589-614	2.9	3
88	A multi-objective decision support framework for virtual machine placement in cloud data centers: a real case study. <i>Journal of Supercomputing</i> , 2018 , 74, 2984-3015	2.5	20
87	A mathematical model for efficient emergency transportation in a disaster situation. <i>American Journal of Emergency Medicine</i> , 2018 , 36, 1585-1590	2.9	17
86	A DSS based on optimizer tools and MTS meta-heuristic for the Warehousing Problem with Conflicts. <i>Information Processing Letters</i> , 2018 , 135, 14-21	0.8	2
85	Bi-objective decision support system for task-scheduling based on genetic algorithm in cloud computing. <i>Computing (Vienna/New York)</i> , 2018 , 100, 65-91	2.2	33
84	Exact and approximate approaches for the Pareto front generation of the single path multicommodity flow problem. <i>Annals of Operations Research</i> , 2018 , 267, 353-377	3.2	2
83	A New Evolutionary Method to Deal with the Dynamic Vehicle Routing Problem 2018 ,		1
82	Solving energy ordering problem with multiple supply-demand using Bilevel optimization approach. <i>Procedia Computer Science</i> , 2018 , 130, 753-759	1.6	1
81	A multi-objective mathematical model for the optimization of the transittability of complex biomolecular networks. <i>Procedia Computer Science</i> , 2018 , 126, 498-506	1.6	
80	A multi-objective method for optimizing the transittability of complex biomolecular networks. <i>Procedia Computer Science</i> , 2018 , 126, 507-516	1.6	3
79	Using the hybrid ILS/VND method for solving the patients scheduling problem in emergency department: a case study. <i>Procedia Computer Science</i> , 2018 , 126, 733-742	1.6	
78	A Decision Support System Based on a Hybrid Genetic Local Search Heuristic for Solving the Dynamic Vehicle Routing Problem: Tunisian Case. <i>Communications in Computer and Information Science</i> , 2018 , 354-365	0.3	1
77	Partition Crossover Evolutionary Algorithm for the Team Orienteering Problem with Time Windows. <i>Lecture Notes in Computer Science</i> , 2018 , 200-211	0.9	0
76	A Hybrid Heuristic for Solving a Parking Slot Assignment Problem for Groups of Drivers. <i>International Journal of Intelligent Transportation Systems Research</i> , 2017 , 15, 85-97	1.4	6
75	A bi-population based scheme for an explicit exploration/exploitation trade-off in dynamic environments. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2017 , 29, 453-479	2	8

74	Variable neighborhood descent for solving the vehicle routing problem with time windows. <i>Electronic Notes in Discrete Mathematics</i> , 2017 , 58, 175-182	0.3	9
73	A GA-LR wrapper approach for feature selection in network intrusion detection. <i>Computers and Security</i> , 2017 , 70, 255-277	4.9	139
72	A new evolutionary approach using pre-post testing to trigger exploration and exploitation in DOPs 2017 ,		1
71	An improved ant colony optimization for green multi-depot vehicle routing problem with time windows 2017 ,		3
70	Swarm-based approach for solving the ambulance routing problem. <i>Procedia Computer Science</i> , 2017 , 112, 350-357	1.6	8
69	A Bi-criteria Ant Colony Optimization for Minimizing Fuel Consumption and Cost of The Traveling Salesman Problem With Time Windows. <i>Procedia Computer Science</i> , 2017 , 112, 886-895	1.6	6
68	Scheduling Patients in Emergency Department by Considering Material Resources. <i>Procedia Computer Science</i> , 2017 , 112, 713-722	1.6	4
67	CBNSimulator: a simulator tool for understanding the behaviour of complex biomolecular networks using discrete time simulation. <i>Procedia Computer Science</i> , 2017 , 112, 514-523	1.6	2
66	BNO: An ontology for describing the behaviour of complex biomolecular networks. <i>Procedia Computer Science</i> , 2017 , 112, 524-533	1.6	2
65	Coalition-formation problem for sourcing contract design in supply networks. <i>European Journal of Operational Research</i> , 2017 , 257, 539-558	5.6	17
64	An Adaptive Genetic Algorithm for the Capacitated Vehicle Routing Problem with Time Windows and Two-Dimensional Loading Constraints 2017 ,		2
63	A Personalized Hybrid Tourism Recommender System 2017 ,		12
62	A DSS Based on Hybrid Ant Colony Optimization Algorithm for the TSP. <i>Lecture Notes in Computer Science</i> , 2017 , 645-654	0.9	2
61	Mixed Integer Linear Programming Formulation for the Taxi Sharing Problem. <i>Lecture Notes in Computer Science</i> , 2016 , 106-117	0.9	1
60	On Solving the Multi-depot Vehicle Routing Problem. <i>Smart Innovation, Systems and Technologies</i> , 2016 , 103-108	0.5	
59	An Iterated Variable Neighborhood Descent Hyperheuristic for the Quadratic Multiple Knapsack Problem. <i>Studies in Computational Intelligence</i> , 2016 , 245-251	0.8	
58	Multi-objective Reconfiguration of Power Distribution System Using an ILS Approach. <i>Lecture Notes in Computer Science</i> , 2016 , 555-563	0.9	1
57	A multi operator genetic algorithm for solving the capacitated vehicle routing problem with cross-docking problem 2016 ,		4

56	A construction of rotations-based rosters with a Genetic Algorithm 2016 ,		2
55	Towards a dynamic modeling of the predator prey problem. <i>Applied Intelligence</i> , 2016 , 44, 755-770	4.9	3
54	Logical and Semantic Modeling of Complex Biomolecular Networks. <i>Procedia Computer Science</i> , 2016 , 96, 475-484	1.6	5
53	Solving a load balancing problem with a multi-objective particle swarm optimisation approach: application to aircraft cargo transportation. <i>International Journal of Operational Research</i> , 2016 , 27, 62	0.9	8
52	A DSS Based on Hybrid Meta-Heuristic ILS-VND for Solving the 1-PDTSP. <i>Lecture Notes in Computer Science</i> , 2015 , 789-798	0.9	1
51	A Randomized Multi-start Genetic Algorithm for the One-Commodity Pickup-and-Delivery Traveling Salesman Problem. <i>Lecture Notes in Computer Science</i> , 2015 , 45-49	0.9	
50	A genetic algorithm based decision support system for the multi-objective node placement problem in next wireless generation network. <i>Applied Soft Computing Journal</i> , 2015 , 33, 278-291	7.5	15
49	An adaptive variable neighborhood search for solving the multi-objective node placement problem. <i>Electronic Notes in Discrete Mathematics</i> , 2015 , 47, 189-196	0.3	6
48	A variable neighborhood descent approach for the two-dimensional bin packing problem. <i>Electronic Notes in Discrete Mathematics</i> , 2015 , 47, 117-124	0.3	5
47	Decision Support System for the Multi-depot Vehicle Routing Problem. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 47-55	0.4	
46	A Hybrid ILS-VND Based Hyper-heuristic for Permutation Flowshop Scheduling Problem. <i>Procedia Computer Science</i> , 2015 , 60, 632-641	1.6	4
45	A New Heuristic for Solving the Parking Assignment Problem. <i>Procedia Computer Science</i> , 2015 , 60, 312-321	3.21	19
44	A multi-start variable neighborhood search for solving the single path multicommodity flow problem. <i>Applied Mathematics and Computation</i> , 2015 , 251, 132-142	2.7	9
43	VL-PLS: A Multi-objective Variable Length Pareto Local Search to Solve the Node Placement Problem for Next Generation Network. <i>Procedia Computer Science</i> , 2015 , 73, 250-257	1.6	1
42	2015 ,		2
41	A Multi-start Tabu Search Based Algorithm for Solving the Warehousing Problem with Conflict. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 117-128	0.4	1
40	On solving the double loading problem using a modified particle swarm optimization. <i>Theoretical Computer Science</i> , 2015 , 598, 118-128	1.1	2
39	A decision support system for the AirCrew Rostering Problem case of TunisAir 2015 ,		1

38	A Dynamic-Oriented Decision Support System for Group Interview Knapsack Problem. <i>Lecture Notes in Computer Science</i> , 2015 , 498-506	0.9	
37	Tabu-based GIS for solving the vehicle routing problem. <i>Expert Systems With Applications</i> , 2014 , 41, 6483-6493	2.2	22
36	A multiobjective hybrid ant colony optimization approach applied to the assignment and scheduling problem. <i>International Transactions in Operational Research</i> , 2014 , 21, 935-953	2.9	8
35	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
34	A DSS based on GIS and Tabu search for solving the CVRP: The Tunisian case. <i>Egyptian Journal of Remote Sensing and Space Science</i> , 2014 , 17, 105-110	3.4	10
33	2014 ,		1
32	Particle swarm optimization approach for resolving the cutting stock problem 2014 ,		1
31	A comparison of multiple objective evolutionary algorithms for solving the multi-objective node placement problem 2014 ,		1
30	A metaheuristic for solving the unsplitable multicommodity flow problem: the maritime surveillance case. <i>International Journal of Business Intelligence and Data Mining</i> , 2014 , 9, 254	0.3	3
29	Simulated annealing-based decision support system for routing problems 2014 ,		1
28	A Hybrid Genetic Algorithm for Solving the Unsplitable Multicommodity Flow Problem: The Maritime Surveillance Case. <i>Lecture Notes in Computer Science</i> , 2014 , 137-148	0.9	1
27	A Multi-start Tabu Search Approach for Solving the Information Routing Problem. <i>Lecture Notes in Computer Science</i> , 2014 , 267-277	0.9	1
26	A particle swarm optimization for solving the one dimensional container loading problem 2013 ,		1
25	A Multicriteria Genetic Algorithm for the Resource Constrained Task Scheduling Problem 2013 , 349-371		
24	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
23	A discrete artificial bee colony algorithm for resource-constrained project scheduling problem 2013 ,		2
22	On solving the bi-objective aircraft cargo loading problem 2013 ,		3
21	A Variable Neighborhood Descent for solving the Single Machine Total Weighted Tardiness Problem 2013 ,		2

20	Best practices in measuring algorithm performance for dynamic optimization problems. <i>Soft Computing</i> , 2013 , 17, 1005-1017	3.5	16
19	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
18	Towards Efficient Information Exchange in Fusion Networks. <i>Lecture Notes in Computer Science</i> , 2013 , 535-546	0.9	1
17	A hybrid genetic approach for multi-objective and multi-platform large volume surveillance problem. <i>International Journal of Metaheuristics</i> , 2013 , 2, 353	0.8	3
16	Towards a Decision Making Support System for the Capacitated Vehicle Routing Problem. <i>International Journal of Decision Support System Technology</i> , 2013 , 5, 21-33	0.7	3
15	BIPOP: A New Algorithm with Explicit Exploration/Exploitation Control for Dynamic Optimization Problems. <i>Studies in Computational Intelligence</i> , 2013 , 171-191	0.8	3
14	Adjacency based method for generating maximal efficient faces in multiobjective linear programming. <i>Applied Mathematical Modelling</i> , 2012 , 36, 6301-6311	4.5	5
13	Generating efficient faces for multiobjective linear programming problems. <i>International Journal of Operational Research</i> , 2012 , 15, 1	0.9	2
12	A multi-objective optimization approach for resource assignment and task scheduling problem: Application to maritime domain awareness 2012 ,		7
11	A bi-objective location area planning for wireless phone network. <i>International Journal of Applied Decision Sciences</i> , 2012 , 5, 342	0.8	2
10	Single supplier multiple cooperative retailers inventory model with quantity discount and permissible delay in payments. <i>Computers and Industrial Engineering</i> , 2011 , 60, 164-172	6.4	45
9	A genetic algorithm for a multi-objective nodes placement problem in heterogeneous network infrastructure for surveillance applications 2011 ,		4
8	An ant colony optimization metaheuristic for solving bi-objective multi-sources multicommodity communication flow problem 2011 ,		10
7	A particle swarm optimization approach for the bi-objective load balancing problem. <i>Electronic Notes in Discrete Mathematics</i> , 2010 , 36, 751-758	0.3	7
6	An Experimental Investigation of the Optimal Selection Problem with Two Decision Makers. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2009 , 175-185	0.4	
5	Optimal stopping problems by two or more decision makers: a survey. <i>Computational Management Science</i> , 2007 , 4, 89-111	1	15
4	An Optimal Stopping Problem with Two Decision Makers. <i>Sequential Analysis</i> , 2007 , 26, 467-480	0.7	5
3	An interactive method for the optimal selection problem with two decision makers. <i>European Journal of Operational Research</i> , 2005 , 162, 602-609	5.6	10

2 Geographical Information Systems and Spatial Optimization 7

1 BNO - An Ontology for Understanding the Transittability of Complex Biomolecular Networks. *SSRN Electronic Journal*, 1 1