

Saoussen Krichen

List of Publications by Year in descending order

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118
papers

1,229
citations

516681

16
h-index

454934

30
g-index

131
all docs

131
docs citations

131
times ranked

1041
citing authors

#	ARTICLE	IF	CITATIONS
1	A GA-LR wrapper approach for feature selection in network intrusion detection. Computers and Security, 2017, 70, 255-277.	6.0	256
2	A NSGA2-LR wrapper approach for feature selection in network intrusion detection. Computer Networks, 2020, 172, 107183.	5.1	59
3	Single supplier multiple cooperative retailers inventory model with quantity discount and permissible delay in payments. Computers and Industrial Engineering, 2011, 60, 164-172.	6.3	53
4	Bi-objective decision support system for task-scheduling based on genetic algorithm in cloud computing. Computing (Vienna/New York), 2018, 100, 65-91.	4.8	50
5	A hybrid genetic algorithm for scientific workflow scheduling in cloud environment. Neural Computing and Applications, 2020, 32, 15263-15278.	5.6	44
6	A Personalized Hybrid Tourism Recommender System. , 2017, , .		39
7	A mathematical model for efficient emergency transportation in a disaster situation. American Journal of Emergency Medicine, 2018, 36, 1585-1590.	1.6	31
8	A New Heuristic for Solving the Parking Assignment Problem. Procedia Computer Science, 2015, 60, 312-321.	2.0	28
9	Swarm-based approach for solving the ambulance routing problem. Procedia Computer Science, 2017, 112, 350-357.	2.0	28
10	A multi-objective decision support framework for virtual machine placement in cloud data centers: a real case study. Journal of Supercomputing, 2018, 74, 2984-3015.	3.6	28
11	Tabu-based GIS for solving the vehicle routing problem. Expert Systems With Applications, 2014, 41, 6483-6493.	7.6	27
12	A simulated annealing-based recommender system for solving the tourist trip design problem. Expert Systems With Applications, 2021, 186, 115723.	7.6	24
13	Coalition-formation problem for sourcing contract design in supply networks. European Journal of Operational Research, 2017, 257, 539-558.	5.7	23
14	Measuring and evaluating hybrid metaheuristics for solving the multi-compartment vehicle routing problem. Measurement: Journal of the International Measurement Confederation, 2019, 141, 407-419.	5.0	23
15	Optimal stopping problems by two or more decision makers: a survey. Computational Management Science, 2007, 4, 89-111.	1.3	20
16	A genetic algorithm based decision support system for the multi-objective node placement problem in next wireless generation network. Applied Soft Computing Journal, 2015, 33, 278-291.	7.2	18
17	Best practices in measuring algorithm performance for dynamic optimization problems. Soft Computing, 2013, 17, 1005-1017.	3.6	17
18	Profit maximizing coalitions with shared capacities in distribution networks. European Journal of Operational Research, 2021, 288, 480-495.	5.7	17

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19	Two metaheuristic approaches for solving the multi-compartment vehicle routing problem. <i>Operational Research</i> , 2020, 20, 2085-2108.	2.0	16
20	An interactive method for the optimal selection problem with two decision makers. <i>European Journal of Operational Research</i> , 2005, 162, 602-609.	5.7	14
21	A multi-start variable neighborhood search for solving the single path multicommodity flow problem. <i>Applied Mathematics and Computation</i> , 2015, 251, 132-142.	2.2	14
22	A multi-objective optimization approach for resource assignment and task scheduling problem: Application to maritime domain awareness. , 2012, , .		13
23	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.	2.0	13
24	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	13
25	Variable neighborhood descent for solving the vehicle routing problem with time windows. <i>Electronic Notes in Discrete Mathematics</i> , 2017, 58, 175-182.	0.4	13
26	An ant colony optimization metaheuristic for solving bi-objective multi-sources multicommodity communication flow problem. , 2011, , .		12
27	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.	0.2	12
28	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.	1.1	12
29	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.	2.7	11
30	Self-adaptive metaheuristics for solving a multi-objective 2-dimensional vector packing problem. <i>Applied Soft Computing Journal</i> , 2014, 16, 124-136.	7.2	11
31	Two meta-heuristics for solving the capacitated vehicle routing problem: the case of the Tunisian Post Office. <i>Operational Research</i> , 2022, 22, 507-549.	2.0	11
32	An adaptive variable neighborhood search for solving the multi-objective node placement problem. <i>Electronic Notes in Discrete Mathematics</i> , 2015, 47, 189-196.	0.4	10
33	Metaheuristics for solving the biobjective single-path multicommodity communication flow problem. <i>International Transactions in Operational Research</i> , 2019, 26, 589-614.	2.7	10
34	A particle swarm optimization approach for the bi-objective load balancing problem. <i>Electronic Notes in Discrete Mathematics</i> , 2010, 36, 751-758.	0.4	9
35	A variable neighborhood descent approach for the two-dimensional bin packing problem. <i>Electronic Notes in Discrete Mathematics</i> , 2015, 47, 117-124.	0.4	9
36	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.	2.0	9

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37	Adjacency based method for generating maximal efficient faces in multiobjective linear programming. Applied Mathematical Modelling, 2012, 36, 6301-6311.	4.2	8
38	Iterative approaches for solving a multi-objective 2-dimensional vector packing problem. Computers and Industrial Engineering, 2013, 66, 158-170.	6.3	8
39	A Hybrid ILS-VND Based Hyper-heuristic for Permutation Flowshop Scheduling Problem. Procedia Computer Science, 2015, 60, 632-641.	2.0	8
40	Scheduling Patients in Emergency Department by Considering Material Resources. Procedia Computer Science, 2017, 112, 713-722.	2.0	8
41	A Hybrid Simulated Annealing Approach for the Patient Bed Assignment Problem. Procedia Computer Science, 2019, 159, 408-417.	2.0	7
42	A real-time Decision Support System for Big Data Analytic: A case of Dynamic Vehicle Routing Problems. Procedia Computer Science, 2020, 176, 938-947.	2.0	7
43	A decision support system for the dynamic hazardous materials vehicle routing problem. Operational Research, 2022, 22, 551-576.	2.0	7
44	An Optimal Stopping Problem with Two Decision Makers. Sequential Analysis, 2007, 26, 467-480.	0.5	6
45	A genetic algorithm for a multi-objective nodes placement problem in heterogeneous network infrastructure for surveillance applications. , 2011, , .		6
46	Logical and Semantic Modeling of Complex Biomolecular Networks. Procedia Computer Science, 2016, 96, 475-484.	2.0	6
47	A Hypermutation Genetic Algorithm for the Dynamic Home Health-Care Routing Problem. , 2019, , .		6
48	A genetic algorithm for supplier selection problem under collaboration opportunities. Journal of Experimental and Theoretical Artificial Intelligence, 2022, 34, 53-79.	2.8	6
49	A bi-objective location area planning for wireless phone network. International Journal of Applied Decision Sciences, 2012, 5, 342.	0.3	5
50	Generating efficient faces for multiobjective linear programming problems. International Journal of Operational Research, 2012, 15, 1.	0.2	5
51	On solving the bi-objective aircraft cargo loading problem. , 2013, , .		5
52	Towards a dynamic modeling of the predator prey problem. Applied Intelligence, 2016, 44, 755-770.	5.3	5
53	An improved ant colony optimization for green multi-depot vehicle routing problem with time windows. , 2017, , .		5
54	A New Evolutionary Method to Deal with the Dynamic Vehicle Routing Problem. , 2018, , .		5

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55	A discrete artificial bee colony algorithm for resource-constrained project scheduling problem. , 2013, , .		4
56	A Variable Neighborhood Descent for solving the Single Machine Total Weighted Tardiness Problem. , 2013, , .		4
57	Towards a Decision Making Support System for the Capacitated Vehicle Routing Problem. International Journal of Decision Support System Technology, 2013, 5, 21-33.	0.7	4
58	On solving the double loading problem using a modified particle swarm optimization. Theoretical Computer Science, 2015, 598, 118-128.	0.9	4
59	A multi operator genetic algorithm for solving the capacitated vehicle routing problem with cross-docking problem. , 2016, , .		4
60	A new evolutionary approach using pre-post testing to trigger exploration and exploitation in DOPs. , 2017, , .		4
61	A DSS based on optimizer tools and MTS meta-heuristic for the Warehousing Problem with Conflicts. Information Processing Letters, 2018, 135, 14-21.	0.6	4
62	Towards an efficient collection and transport of COVID-19 diagnostic specimens using genetic-based algorithms. Applied Soft Computing Journal, 2022, 116, 108264.	7.2	4
63	A hybrid genetic approach for multi-objective and multi-platform large volume surveillance problem. International Journal of Metaheuristics, 2013, 2, 353.	0.1	3
64	Particle swarm optimization approach for resolving the cutting stock problem. , 2014, , .		3
65	A metaheuristic for solving the unsplitable multicommodity flow problem: the maritime surveillance case. International Journal of Business Intelligence and Data Mining, 2014, 9, 254.	0.2	3
66	A construction of rotations-based rosters with a Genetic Algorithm. , 2016, , .		3
67	A multi-objective method for optimizing the transittability of complex biomolecular networks. Procedia Computer Science, 2018, 126, 507-516.	2.0	3
68	BIPOP: A New Algorithm with Explicit Exploration/Exploitation Control for Dynamic Optimization Problems. Studies in Computational Intelligence, 2013, , 171-191.	0.9	3
69	A particle swarm optimization for solving the one dimensional container loading problem. , 2013, , .		2
70	Simulated annealing-based decision support system for routing problems. , 2014, , .		2
71	VL-PLS: A Multi-objective Variable Length Pareto Local Search to Solve the Node Placement Problem for Next Generation Network. Procedia Computer Science, 2015, 73, 250-257.	2.0	2
72	A Multi-start Tabu Search Based Algorithm for Solving the Warehousing Problem with Conflict. Advances in Intelligent Systems and Computing, 2015, , 117-128.	0.6	2

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73	Mixed Integer Linear Programming Formulation for the Taxi Sharing Problem. Lecture Notes in Computer Science, 2016, , 106-117.	1.3	2
74	CBNSimulator: a simulator tool for understanding the behaviour of complex biomolecular networks using discrete time simulation. Procedia Computer Science, 2017, 112, 514-523.	2.0	2
75	BNO: An ontology for describing the behaviour of complex biomolecular networks. Procedia Computer Science, 2017, 112, 524-533.	2.0	2
76	An Adaptive Genetic Algorithm for the Capacitated Vehicle Routing Problem with Time Windows and Two-Dimensional Loading Constraints. , 2017, , .		2
77	Exact and approximate approaches for the Pareto front generation of the single path multicommodity flow problem. Annals of Operations Research, 2018, 267, 353-377.	4.1	2
78	A Decision Support System Based on a Hybrid Genetic Local Search Heuristic for Solving the Dynamic Vehicle Routing Problem: Tunisian Case. Communications in Computer and Information Science, 2018, , 354-365.	0.5	2
79	A DSS Based on Hybrid Ant Colony Optimization Algorithm for the TSP. Lecture Notes in Computer Science, 2017, , 645-654.	1.3	2
80	A Hybrid PSO-LS approach for solving the Two-Dimensional Bin Packing Problem with weight capacities constraint. , 2019, , .		2
81	A vector evaluated evolutionary algorithm with exploitation reinforcement for the dynamic pollution routing problem. Journal of Combinatorial Optimization, 2022, 44, 1011-1038.	1.3	2
82	Improvement heuristic for solving the one-dimensional bin-packing problem. , 2013, , .		1
83	Towards Efficient Information Exchange in Fusion Networks. Lecture Notes in Computer Science, 2013, , 535-546.	1.3	1
84	A comparison of multiple objective evolutionary algorithms for solving the multi-objective node placement problem. , 2014, , .		1
85	Evolutionary Algorithm Based on Partition Crossover (EAPX) for the Vehicle Routing Problem. , 2015, , .		1
86	A decision support system for the AirCrew Rostering Problem case of TunisAir. , 2015, , .		1
87	A DSS Based on Hybrid Meta-Heuristic ILS-VND for Solving the 1-PDTSP. Lecture Notes in Computer Science, 2015, , 789-798.	1.3	1
88	Solving energy ordering problem with multiple supply-demand using Bilevel optimization approach. Procedia Computer Science, 2018, 130, 753-759.	2.0	1
89	BNO"An ontology for understanding the transittability of complex biomolecular networks. Web Semantics, 2019, 57, 100495.	2.9	1
90	A hyper-heuristic framework for solving the delivery problem with time windows. International Journal of Services and Operations Management, 2019, 33, 529.	0.2	1

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91	On Solving the Hazardous Health-Care Waste Transportation Problem: a Real Case Study. , 2020, , .		1
92	An Adaptive Genetic Algorithm for Dynamic Vehicle Routing Problem with Backhaul and Two-dimensional loading constraints. , 2020, , .		1
93	A Hybrid Genetic Algorithm for Solving the Unsplittable Multicommodity Flow Problem: The Maritime Surveillance Case. Lecture Notes in Computer Science, 2014, , 137-148.	1.3	1
94	BNO - An Ontology for Understanding the Transittability of Complex Biomolecular Networks. SSRN Electronic Journal, 0, , .	0.4	1
95	An adaptive approach for monitoring evolutionary algorithms behavior for dynamic environments. , 2017, , .		1
96	Sustainable maritime crude oil transportation: a split pickup and split delivery problem with time windows. Procedia Computer Science, 2021, 192, 4300-4309.	2.0	1
97	Multi-objective Reconfiguration of Power Distribution System Using an ILS Approach. Lecture Notes in Computer Science, 2016, , 555-563.	1.3	1
98	Optimizing the charging stations allocation for efficient electric vehicles routing. , 2022, , .		1
99	A dynamic approach for the two-decision maker selection problem with group interviewing options. , 2013, , .		0
100	A genetic algorithm for the two-level location area planning in telecommunication networks. , 2013, , .		0
101	Solving resource-constrained project scheduling problem by a genetic local search approach. , 2013, , .		0
102	Generating maximal efficient faces for the multiobjective multicommodity flow problem. , 2013, , .		0
103	An operational ordering problem with cooperative retailers and multiple suppliers. , 2013, , .		0
104	A Randomized Multi-start Genetic Algorithm for the One-Commodity Pickup-and-Delivery Traveling Salesman Problem. Lecture Notes in Computer Science, 2015, , 45-49.	1.3	0
105	Graphic-based optimal network reconfiguration in CPU/GPU architectures using AGA-LS metaheuristics. , 2016, , .		0
106	A hybrid VNS based framework for biomass transportation. , 2016, , .		0
107	A cooperative game theoretic approach for the ordering problem in supply chain. , 2016, , .		0
108	A DSS based on a genetic algorithm for solving the hydrogen transportation problem. , 2016, , .		0

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109	Ontological Reasoning for Understanding the Behaviour of Complex Biomolecular Networks. , 2017, , .		0
110	A multi-objective mathematical model for the optimization of the transittability of complex biomolecular networks. Procedia Computer Science, 2018, 126, 498-506.	2.0	0
111	Using the hybrid ILS/VND method for solving the patients scheduling problem in emergency department: a case study. Procedia Computer Science, 2018, 126, 733-742.	2.0	0
112	On Solving the Multi-depot Vehicle Routing Problem. Smart Innovation, Systems and Technologies, 2016, , 103-108.	0.6	0
113	Solving a load balancing problem with a multi-objective particle swarm optimisation approach: application to aircraft cargo transportation. International Journal of Operational Research, 2016, 27, 62.	0.2	0
114	Solving the bilateral group selection problem using optimal stopping options. International Journal of Operational Research, 2016, 27, 184.	0.2	0
115	An Efficient Hybrid Evolutionary Algorithm for the Smart Vehicle Routing Problem. EAI/Springer Innovations in Communication and Computing, 2020, , 197-213.	1.1	0
116	A Novel adaptive genetic algorithm for Dynamic Vehicle Routing Problem with Backhaul and Two-dimensional loading constraints, A Case in Tunisian Posta. International Journal of Applied Metaheuristic Computing, 2022, 13, 0-0.	0.7	0
117	An effective genetic algorithm for solving the capacitated vehicle routing problem with two-dimensional loading constraint. International Journal of Computational Intelligence Studies, 2020, 9, 85.	0.3	0
118	An Experimental Investigation of the Optimal Selection Problem with Two Decision Makers. Lecture Notes in Economics and Mathematical Systems, 2009, , 175-185.	0.3	0