Christophe Duhamel

List of Publications by Year
in descending order

50 papers	889 citations	567144 15 h-index	477173 29 g-index
50 all docs	50 docs citations	50 times ranked	776 citing authors

#	ARTICLE	IF	CITATIONS
1	A fixâ€andâ€optimize heuristic for the minmax regret shortest path arborescence problem under interval uncertainty. International Transactions in Operational Research, 2023, 30, 1120-1143.	1.8	3
2	Model and methods to address urban road network problems with disruptions. International Transactions in Operational Research, 2020, 27, 2715-2739.	1.8	8
3	Modeling and solving the multi-period disruptions scheduling problem on urban networks. Annals of Operations Research, 2020, 285, 427-443.	2.6	14
4	Bi-objective methods for road network problems with disruptions and connecting requirements. Journal of the Operational Research Society, 2020, 71, 1959-1971.	2.1	1
5	Methods for solving road network problems with disruptions. Electronic Notes in Discrete Mathematics, 2018, 64, 175-184.	0.4	2
6	A MILP-based VND for the min-max regret Shortest Path Tree Problem with interval costs. Electronic Notes in Discrete Mathematics, 2018, 66, 39-46.	0.4	1
7	A PCA and SVR based method for continuous industrial process modelling. IFAC-PapersOnLine, 2018, 51, 1604-1609.	0.5	6
8	Trees and Forests. , 2018, , 1307-1333.		0
9	A column generation approach for the strong network orientation problem. Electronic Notes in Discrete Mathematics, 2017, 62, 75-80.	0.4	1
10	Split procedure for graph partitioning: an application to the SONET ring problem. IFAC-PapersOnLine, 2016, 49, 763-768.	0.5	2
11	Model-hierarchical column generation and heuristic for the routing and wavelength assignment problem. 4or, 2016, 14, 201-220.	1.0	2
12	An efficient heuristic for scheduling on identical parallel machines to minimize total tardiness. IFAC-PapersOnLine, 2016, 49, 1737-1742.	0.5	3
13	A bi-objective model to address disruptions on unidirectional road networks**This project is funded by the Beijing YuanZhi Tiancheng Technology Co. Ltd, China.. IFAC-PapersOnLine, 2016, 49, 1620-1625.	0.5	4
14	A Scenario Based Heuristic for the Robust Shortest Path Tree Problem**This work was partially supported by CNPq, CAPES, and FAPEMIG.. IFAC-PapersOnLine, 2016, 49, 443-448.	0.5	9
15	Heuristics for designing multi-sink clustered WSN topologies. Engineering Applications of Artificial Intelligence, 2016, 50, 20-31.	4.3	17
16	Connecting a population dynamic model with a multi-period location-allocation problem for post-disaster relief operations. Annals of Operations Research, 2016, 247, 693-713.	2.6	66
17	A Heuristic for the Time-Dependent Vehicle Routing Problem with Time Windows. Lecture Notes in Economics and Mathematical Systems, 2016, , 73-78.	0.3	1
18	An ELS-based approach with dynamic probabilities management in local search for the Dial-A-Ride Problem. Engineering Applications of Artificial Intelligence, 2016, 48, 119-133.	4.3	38

#	Article	IF	Citations
19	Trees and Forests. , 2016, , 1-27.		1
20	Support Vector machine and Monte Carlo simulation for robust optimization of industrial processes. , 2015, , .		3
21	A GRASPÃ—ELS for the vehicle routing problem with basic three-dimensional loading constraints. Engineering Applications of Artificial Intelligence, 2013, 26, 1795-1810.	4.3	32
22	A Multi-thread GRASPxELS for the Heterogeneous Capacitated Vehicle Routing Problem. Studies in Computational Intelligence, 2013, , 237-269.	0.7	4
23	Efficiency of Parallelisation of Genetic Algorithms in the Data Analysis Context. , 2013, , .		0
24	Optimisation algorithms for microarray biclustering. , 2013, 2013, 592-5.		0
25	High-Performance Computing for Data Analytics. , 2012, , .		0
26	Models and hybrid methods for the onshore wells maintenance problem. Computers and Operations Research, 2012, 39, 2944-2953.	2.4	15
27	Strategies for designing energy-efficient clusters-based WSN topologies. Journal of Heuristics, 2012, 18, 657-675.	1.1	11
28	Variable neighborhood descent with iterated local search for routing and wavelength assignment. Computers and Operations Research, 2012, 39, 2133-2141.	2.4	19
29	A hybrid evolutionary local search with depth first search split procedure for the heterogeneous vehicle routing problems. Engineering Applications of Artificial Intelligence, 2012, 25, 345-358.	4.3	30
30	Models and heuristics for the <i>k</i> â€degree constrained minimum spanning tree problem with nodeâ€degree costs. Networks, 2012, 60, 1-18.	1.6	7
31	The integrated lot-sizing and vehicle routing problem. , 2011, , .		0
32	A multi-start evolutionary local search for the two-dimensional loading capacitated vehicle routing problem. Computers and Operations Research, 2011, 38, 617-640.	2.4	95
33	Efficient frameworks for greedy split and new depth first search split procedures for routing problems. Computers and Operations Research, 2011, 38, 723-739.	2.4	35
34	A VND-ILS Heuristic to Solve the RWA Problem. Lecture Notes in Computer Science, 2011, , 577-582.	1.0	2
35	A GRASPÃ—ELS approach for the capacitated location-routing problem. Computers and Operations Research, 2010, 37, 1912-1923.	2.4	154
36	<i>k</i>â€Splittable delay constrained routing problem: A branchâ€andâ€price approach. Networks, 2010, 55, 33-45.	1.6	6

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37	A GRASP&#x00D7;ELS approach for real-life Location Routing Problems. , 2009, , .		3
38	2L-CVRP: A GRASP resolution scheme based on RCPSP. , 2009, , .		1
39	Aggregation approach for the minimum binary cost tension problem. European Journal of Operational Research, 2009, 197, 837-841.	3.5	3
40	Optimal solutions for fault-tolerant topology control in wireless ad hoc networks. IEEE Transactions on Wireless Communications, 2009, 8, 5970-5981.	6.1	29
41	Heuristics for Designing Energy-efficient Wireless Sensor Network Topologies. Journal of Networks, 2009, 4, .	0.4	8
42	A Branch and Price algorithm for the k-splittable maximum flow problem. Discrete Optimization, 2008, 5, 629-646.	0.6	16
43	Models and heuristics for a minimum arborescence problem. Networks, 2008, 51, 34-47.	1.6	18
44	Modeling the Mobile Oil Recovery Problem as a Multiobjective Vehicle Routing Problem. Communications in Computer and Information Science, 2008, , 283-292.	0.4	2
45	k-splittable delay constrained routing problem: A branch and price approach. , 2007, , .		2
46	Multicommodity flow problems with a bounded number of paths: A flow deviation approach. Networks, 2007, 49, 80-89.	1.6	7
47	MÃ©taheuristiques pour le problÃ¨me de *Crew Scheduling*. Journal Europeen Des Systemes Automatises, 2004, 38, 1041-1064.	0.3	0
48	A GRASP Heuristic for the Capacitated Minimum Spanning Tree Problem Using a Memory-Based Local Search Strategy. Applied Optimization, 2003, , 627-657.	0.4	19
49	A Tabu Search Heuristic for the Vehicle Routing Problem with Backhauls and Time Windows. Transportation Science, 1997, 31, 49-59.	2.6	105
50	A genetic algorithm for vehicle routing with backhauling. Applied Intelligence, 1996, 6, 345-355.	3.3	84