Frdric Semet

List of Publications by Year in Descending Order

67 papers	**3,833** citations	**26** h-index	**61** g-index
72 ext. papers	**4,361** ext. citations	**3.6** avg, IF	**5.39** L-index

#	Paper	IF	Citations
67	A sequential approach for a multi-commodity two-echelon distribution problem. *Computers and Industrial Engineering*, **2021**, 163, 107793	6.4	1
66	A time-expanded network reduction matheuristic for the logistics service network design problem. *Transportation Research, Part E: Logistics and Transportation Review*, **2021**, 147, 102203	9	4
65	Agriculture fleet vehicle routing: A decentralised and dynamic problem. *AI Communications*, **2021**, 34, 55-71	0.8	1
64	A column generation based heuristic for the generalized vehicle routing problem with time windows. *Transportation Research, Part E: Logistics and Transportation Review*, **2021**, 152, 102391	9	5
63	Mixed integer programming formulations for the generalized traveling salesman problem with time windows. *4or*, **2020**, 1	1.4	2
62	A Heuristic Branch-Cut-and-Price Algorithm for the ROADEF/EURO Challenge on Inventory Routing. *Transportation Science*, **2020**,	4.4	3
61	A note on the lifted Miller␣Tucker␣Zemlin subtour elimination constraints for routing problems with time windows. *Operations Research Letters*, **2020**, 48, 167-169	1	10
60	A branch-and-cut algorithm for the generalized traveling salesman problem with time windows. *European Journal of Operational Research*, **2020**, 286, 849-866	5.6	8
59	A Benders decomposition-based approach for logistics service network design. *European Journal of Operational Research*, **2020**, 286, 523-537	5.6	8
58	Integrated Shift Scheduling and Load Assignment Optimization for Attended Home Delivery. *Transportation Science*, **2019**, 53, 1150-1174	4.4	6
57	Adaptive large neighborhood search for the commodity constrained split delivery VRP. *Computers and Operations Research*, **2019**, 112, 104761	4.6	17
56	A three-phase matheuristic for the Packaging and Shipping Problem. *Applied Mathematical Modelling*, **2018**, 64, 713-732	4.5	1
55	Comparison of formulations for the two-level uncapacitated facility location problem with single assignment constraints. *Computers and Operations Research*, **2017**, 86, 86-93	4.6	10
54	A unified matheuristic for solving multi-constrained traveling salesman problems with profits. *EURO Journal on Computational Optimization*, **2017**, 5, 393-422	1.2	12
53	A 2-stage method for a field service routing problem with stochastic travel and service times. *Computers and Operations Research*, **2016**, 65, 64-75	4.6	26
52	A Lagrangian-Based Branch-and-Bound Algorithm for the Two-Level Uncapacitated Facility Location Problem with Single-Assignment Constraints. *Transportation Science*, **2016**, 50, 1286-1299	4.4	20
51	A branch-and-cut algorithm for the truck dock assignment problem with operational time constraints. *European Journal of Operational Research*, **2016**, 249, 1144-1152	5.6	14

50	A multi-compartment vehicle routing problem arising in the collection of olive oil in Tunisia. *Omega*, **2015**, 51, 1-10	7.2	53
49	Rich vehicle routing problems: From a taxonomy to a definition. *European Journal of Operational Research*, **2015**, 241, 1-14	5.6	164
48	Multilayer variable neighborhood search for two-level uncapacitated facility location problems with single assignment. *Networks*, **2015**, 66, 214-234	1.6	6
47	Real-Time Fleet Management: Typology and Methods **2014**, 139-171		
46	Chapter 2: Classical Exact Algorithms for the Capacitated Vehicle Routing Problem **2014**, 37-57		12
45	Vehicle Routing Problems with Scheduling Constraints **2013**, 433-463		
44	Heuristics for Rich Profitable Tour Problems **2013**,		2
43	Operations Research and Goods Transportation **2013**, 111-175		
42	A Generic Branch-and-Cut Algorithm for Multiobjective Optimization Problems: Application to the Multilabel Traveling Salesman Problem. *INFORMS Journal on Computing*, **2012**, 24, 554-564	2.4	26
41	The undirected m-Capacitated Peripatetic Salesman Problem. *European Journal of Operational Research*, **2012**, 223, 637-643	5.6	6
40	Risk approaches for delivering disaster relief supplies. *OR Spectrum*, **2011**, 33, 543-569	1.9	77
39	A branch-and-cut algorithm for the minimum labeling Hamiltonian cycle problem and two variants. *Computers and Operations Research*, **2011**, 38, 1534-1542	4.6	10
38	A tabu search with an oscillation strategy for the discriminant analysis problem. *Computers and Operations Research*, **2010**, 37, 1688-1696	4.6	1
37	Heuristiques pour le Problème du Vendeur m-Péripatétique. *RAIRO - Operations Research*, **2009**, 43, 13-26	2.2	1
36	Formulations and relaxations for a multi-echelon capacitated location-distribution problem. *Computers and Operations Research*, **2009**, 36, 1335-1355	4.6	44
35	An evolutionary algorithm for the vehicle routing problem with route balancing. *European Journal of Operational Research*, **2009**, 195, 761-769	5.6	83
34	Application of the Double Standard Model for Ambulance Location. *Lecture Notes in Economics and Mathematical Systems*, **2009**, 235-249	0.4	23
33	Multi-objective vehicle routing problems. *European Journal of Operational Research*, **2008**, 189, 293-309	5.6	297

No	Title	IF	Cites
32	Target aiming Pareto search and its application to the vehicle routing problem with route balancing. *Journal of Heuristics*, **2007**, 13, 455-469	1.9	39
31	The bi-objective covering tour problem. *Computers and Operations Research*, **2007**, 34, 1929-1942	4.6	54
30	The Undirectedm-Peripatetic Salesman Problem: Polyhedral Results and New Algorithms. *Operations Research*, **2007**, 55, 949-965	2.3	12
29	The Black and White Traveling Salesman Problem. *Operations Research*, **2006**, 54, 366-378	2.3	22
28	Enhancements of NSGA II and Its Application to the Vehicle Routing Problem with Route Balancing. *Lecture Notes in Computer Science*, **2006**, 131-142	0.9	30
27	The maximal expected coverage relocation problem for emergency vehicles. *Journal of the Operational Research Society*, **2006**, 57, 22-28	2	134
26	Branch-and-cut algorithms for the undirected m-Peripatetic Salesman Problem. *European Journal of Operational Research*, **2005**, 162, 700-712	5.6	17
25	Heuristics and lower bounds for the bin packing problem with conflicts. *Computers and Operations Research*, **2004**, 31, 347-358	4.6	72
24	A bilevel programming approach to the travelling salesman problem. *Operations Research Letters*, **2004**, 32, 240-248	1	25
23	Exact algorithms for the job sequencing and tool switching problem. *IIE Transactions*, **2004**, 36, 37-45		47
22	A MULTI-OBJECTIVE EVOLUTIONARY ALGORITHM FOR THE COVERING TOUR PROBLEM. *Advances in Natural Computation*, **2004**, 247-267		3
21	Heuristics for the black and white traveling salesman problem. *Computers and Operations Research*, **2003**, 30, 75-85	4.6	15
20	Ambulance location and relocation models. *European Journal of Operational Research*, **2003**, 147, 451-463	5.6	474
19	Fast heuristics for large scale covering-location problems. *Computers and Operations Research*, **2002**, 29, 651-665	4.6	22
18	Parallel and Hybrid Models for Multi-objective Optimization: Application to the Vehicle Routing Problem. *Lecture Notes in Computer Science*, **2002**, 271-280	0.9	45
17	A dynamic model and parallel tabu search heuristic for real-time ambulance relocation. *Parallel Computing*, **2001**, 27, 1641-1653	1	287
16	Heuristics for the multi-vehicle covering tour problem. *Computers and Operations Research*, **2000**, 27, 29-42	4.6	81
15	Classical and modern heuristics for the vehicle routing problem. *International Transactions in Operational Research*, **2000**, 7, 285-300	2.9	386

List of Publications

#	Publication		
14	An optimality cut for mixed integer linear programs. *European Journal of Operational Research*, **1999**, 119, 671-677	5.6	
13	Computational Evaluation Of A Transformation Procedure For The Symmetric Generalized Traveling Salesman Problem. *Infor*, **1999**, 37, 114-120	0.5	23
12	A Covering Tour Model for Planning Mobile Health Care Facilities in SuhumDistrict, Ghama. *Journal of Regional Science*, **1998**, 38, 621-638	1.8	63
11	A branch-and-cut algorithm for the undirected selective traveling salesman problem. *Networks*, **1998**, 32, 263-273	1.6	113
10	A tabu search heuristic for the undirected selective travelling salesman problem. *European Journal of Operational Research*, **1998**, 106, 539-545	5.6	139
9	A generalized linear programming model for nurse scheduling. *European Journal of Operational Research*, **1998**, 107, 1-18	5.6	151
8	A tiling and routing heuristic for the screening of cytological samples. *Journal of the Operational Research Society*, **1998**, 49, 1233-1238	2	7
7	The Covering Tour Problem. *Operations Research*, **1997**, 45, 568-576	2.3	146
6	Optimal sequencing of skip collections and deliveries. *Journal of the Operational Research Society*, **1997**, 48, 57-64	2	42
5	Solving an ambulance location model by tabu search. *Location Science*, **1997**, 5, 75-88		233
4	Estimation and determination of shortest path length in a road network with obstacles. *European Journal of Operational Research*, **1995**, 83, 105-116	5.6	9
3	A two-phase algorithm for the partial accessibility constrained vehicle routing problem. *Annals of Operations Research*, **1995**, 61, 45-65	3.2	44
2	Solving real-life vehicle routing problems efficiently using tabu search. *Annals of Operations Research*, **1993**, 41, 469-488	3.2	143
1	Operations Research and Goods Transportation111-175		0