

Frdric Semet

List of Publications by Citations

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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.

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	Ambulance location and relocation models. <i>European Journal of Operational Research</i> , 2003 , 147, 451-463	3.6	474
66	Classical and modern heuristics for the vehicle routing problem. <i>International Transactions in Operational Research</i> , 2000 , 7, 285-300	2.9	386
65	Multi-objective vehicle routing problems. <i>European Journal of Operational Research</i> , 2008 , 189, 293-309	5.6	297
64	A dynamic model and parallel tabu search heuristic for real-time ambulance relocation. <i>Parallel Computing</i> , 2001 , 27, 1641-1653	1	287
63	Solving an ambulance location model by tabu search. <i>Location Science</i> , 1997 , 5, 75-88		233
62	Rich vehicle routing problems: From a taxonomy to a definition. <i>European Journal of Operational Research</i> , 2015 , 241, 1-14	5.6	164
61	A generalized linear programming model for nurse scheduling. <i>European Journal of Operational Research</i> , 1998 , 107, 1-18	5.6	151
60	The Covering Tour Problem. <i>Operations Research</i> , 1997 , 45, 568-576	2.3	146
59	Solving real-life vehicle routing problems efficiently using tabu search. <i>Annals of Operations Research</i> , 1993 , 41, 469-488	3.2	143
58	A tabu search heuristic for the undirected selective travelling salesman problem. <i>European Journal of Operational Research</i> , 1998 , 106, 539-545	5.6	139
57	The maximal expected coverage relocation problem for emergency vehicles. <i>Journal of the Operational Research Society</i> , 2006 , 57, 22-28	2	134
56	A branch-and-cut algorithm for the undirected selective traveling salesman problem. <i>Networks</i> , 1998 , 32, 263-273	1.6	113
55	An evolutionary algorithm for the vehicle routing problem with route balancing. <i>European Journal of Operational Research</i> , 2009 , 195, 761-769	5.6	83
54	Heuristics for the multi-vehicle covering tour problem. <i>Computers and Operations Research</i> , 2000 , 27, 29-42	4.6	81
53	Risk approaches for delivering disaster relief supplies. <i>OR Spectrum</i> , 2011 , 33, 543-569	1.9	77
52	Heuristics and lower bounds for the bin packing problem with conflicts. <i>Computers and Operations Research</i> , 2004 , 31, 347-358	4.6	72
51	A Covering Tour Model for Planning Mobile Health Care Facilities in Suhum District, Ghama. <i>Journal of Regional Science</i> , 1998 , 38, 621-638	1.8	63

50	The bi-objective covering tour problem. <i>Computers and Operations Research</i> , 2007 , 34, 1929-1942	4.6	54
49	A multi-compartment vehicle routing problem arising in the collection of olive oil in Tunisia. <i>Omega</i> , 2015 , 51, 1-10	7.2	53
48	Exact algorithms for the job sequencing and tool switching problem. <i>IIE Transactions</i> , 2004 , 36, 37-45		47
47	Parallel and Hybrid Models for Multi-objective Optimization: Application to the Vehicle Routing Problem. <i>Lecture Notes in Computer Science</i> , 2002 , 271-280	0.9	45
46	Formulations and relaxations for a multi-echelon capacitated location-distribution problem. <i>Computers and Operations Research</i> , 2009 , 36, 1335-1355	4.6	44
45	A two-phase algorithm for the partial accessibility constrained vehicle routing problem. <i>Annals of Operations Research</i> , 1995 , 61, 45-65	3.2	44
44	Optimal sequencing of skip collections and deliveries. <i>Journal of the Operational Research Society</i> , 1997 , 48, 57-64	2	42
43	Target aiming Pareto search and its application to the vehicle routing problem with route balancing. <i>Journal of Heuristics</i> , 2007 , 13, 455-469	1.9	39
42	Enhancements of NSGA II and Its Application to the Vehicle Routing Problem with Route Balancing. <i>Lecture Notes in Computer Science</i> , 2006 , 131-142	0.9	30
41	A 2-stage method for a field service routing problem with stochastic travel and service times. <i>Computers and Operations Research</i> , 2016 , 65, 64-75	4.6	26
40	A Generic Branch-and-Cut Algorithm for Multiobjective Optimization Problems: Application to the Multilabel Traveling Salesman Problem. <i>INFORMS Journal on Computing</i> , 2012 , 24, 554-564	2.4	26
39	A bilevel programming approach to the travelling salesman problem. <i>Operations Research Letters</i> , 2004 , 32, 240-248	1	25
38	Computational Evaluation Of A Transformation Procedure For The Symmetric Generalized Traveling Salesman Problem. <i>Infor</i> , 1999 , 37, 114-120	0.5	23
37	Application of the Double Standard Model for Ambulance Location. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2009 , 235-249	0.4	23
36	The Black and White Traveling Salesman Problem. <i>Operations Research</i> , 2006 , 54, 366-378	2.3	22
35	Fast heuristics for large scale covering-location problems. <i>Computers and Operations Research</i> , 2002 , 29, 651-665	4.6	22
34	A Lagrangian-Based Branch-and-Bound Algorithm for the Two-Level Uncapacitated Facility Location Problem with Single-Assignment Constraints. <i>Transportation Science</i> , 2016 , 50, 1286-1299	4.4	20
33	Adaptive large neighborhood search for the commodity constrained split delivery VRP. <i>Computers and Operations Research</i> , 2019 , 112, 104761	4.6	17

32	Branch-and-cut algorithms for the undirected m-Peripatetic Salesman Problem. <i>European Journal of Operational Research</i> , 2005 , 162, 700-712	5.6	17
31	Heuristics for the black and white traveling salesman problem. <i>Computers and Operations Research</i> , 2003 , 30, 75-85	4.6	15
30	A branch-and-cut algorithm for the truck dock assignment problem with operational time constraints. <i>European Journal of Operational Research</i> , 2016 , 249, 1144-1152	5.6	14
29	A unified matheuristic for solving multi-constrained traveling salesman problems with profits. <i>EURO Journal on Computational Optimization</i> , 2017 , 5, 393-422	1.2	12
28	Chapter 2: Classical Exact Algorithms for the Capacitated Vehicle Routing Problem 2014 , 37-57		12
27	The Undirectedm-Peripatetic Salesman Problem: Polyhedral Results and New Algorithms. <i>Operations Research</i> , 2007 , 55, 949-965	2.3	12
26	Comparison of formulations for the two-level uncapacitated facility location problem with single assignment constraints. <i>Computers and Operations Research</i> , 2017 , 86, 86-93	4.6	10
25	A note on the lifted Miller-Tucker-Zemlin subtour elimination constraints for routing problems with time windows. <i>Operations Research Letters</i> , 2020 , 48, 167-169	1	10
24	A branch-and-cut algorithm for the minimum labeling Hamiltonian cycle problem and two variants. <i>Computers and Operations Research</i> , 2011 , 38, 1534-1542	4.6	10
23	Estimation and determination of shortest path length in a road network with obstacles. <i>European Journal of Operational Research</i> , 1995 , 83, 105-116	5.6	9
22	A branch-and-cut algorithm for the generalized traveling salesman problem with time windows. <i>European Journal of Operational Research</i> , 2020 , 286, 849-866	5.6	8
21	A Benders decomposition-based approach for logistics service network design. <i>European Journal of Operational Research</i> , 2020 , 286, 523-537	5.6	8
20	A tiling and routing heuristic for the screening of cytological samples. <i>Journal of the Operational Research Society</i> , 1998 , 49, 1233-1238	2	7
19	Integrated Shift Scheduling and Load Assignment Optimization for Attended Home Delivery. <i>Transportation Science</i> , 2019 , 53, 1150-1174	4.4	6
18	Multilayer variable neighborhood search for two-level uncapacitated facility location problems with single assignment. <i>Networks</i> , 2015 , 66, 214-234	1.6	6
17	The undirected m-Capacitated Peripatetic Salesman Problem. <i>European Journal of Operational Research</i> , 2012 , 223, 637-643	5.6	6
16	A column generation based heuristic for the generalized vehicle routing problem with time windows. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021 , 152, 102391	9	5
15	A time-expanded network reduction matheuristic for the logistics service network design problem. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021 , 147, 102203	9	4

14	A Heuristic Branch-Cut-and-Price Algorithm for the ROADEF/EURO Challenge on Inventory Routing. <i>Transportation Science</i> , 2020 ,	4.4	3
13	A MULTI-OBJECTIVE EVOLUTIONARY ALGORITHM FOR THE COVERING TOUR PROBLEM. <i>Advances in Natural Computation</i> , 2004 , 247-267		3
12	Mixed integer programming formulations for the generalized traveling salesman problem with time windows. <i>4or</i> , 2020 , 1	1.4	2
11	Heuristics for Rich Profitable Tour Problems 2013 ,		2
10	A three-phase matheuristic for the Packaging and Shipping Problem. <i>Applied Mathematical Modelling</i> , 2018 , 64, 713-732	4.5	1
9	Heuristiques pour le Problème du Vendeurm-PéipatÉique. <i>RAIRO - Operations Research</i> , 2009 , 43, 13-26	2.2	1
8	A tabu search with an oscillation strategy for the discriminant analysis problem. <i>Computers and Operations Research</i> , 2010 , 37, 1688-1696	4.6	1
7	A sequential approach for a multi-commodity two-echelon distribution problem. <i>Computers and Industrial Engineering</i> , 2021 , 163, 107793	6.4	1
6	Agriculture fleet vehicle routing: A decentralised and dynamic problem. <i>AI Communications</i> , 2021 , 34, 55-71	0.8	1
5	Operations Research and Goods Transportation 111-175		0
4	Real-Time Fleet Management: Typology and Methods 2014 , 139-171		
3	Vehicle Routing Problems with Scheduling Constraints 2013 , 433-463		
2	Operations Research and Goods Transportation 2013 , 111-175		
1	An optimality cut for mixed integer linear programs. <i>European Journal of Operational Research</i> , 1999 , 119, 671-677	5.6	