

Said Salhi

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.

121
papers

4,028
citations

33
h-index

61
g-index

127
ext. papers

4,553
ext. citations

3.8
avg, IF

5.9
L-index

#	Paper	IF	Citations
121	A continuous location and maintenance routing problem for offshore wind farms: Mathematical models and hybrid methods. <i>Computers and Operations Research</i> , 2022 , 105825	4.6	2
120	An Overview of Heuristics and Metaheuristics 2022 , 353-403		1
119	The New Era of Hybridisation and Learning in Heuristic Search Design 2022 , 501-538		
118	The multi-depot heterogeneous VRP with backhauls: formulation and a hybrid VNS with GRAMPS meta-heuristic approach. <i>Annals of Operations Research</i> , 2021 , 307, 277	3.2	2
117	The electric location-routing problem with heterogeneous fleet: Formulation and Benders decomposition approach. <i>Computers and Operations Research</i> , 2021 , 131, 105251	4.6	7
116	Reliable hub-and-spoke systems with multiple capacity levels and flow dependent discount factor. <i>European Journal of Operational Research</i> , 2021 , 298, 834-834	5.6	3
115	An effective real time GRASP-based metaheuristic: Application to order consolidation and dynamic selection of transshipment points for time-critical freight logistics. <i>Expert Systems With Applications</i> , 2020 , 158, 113574	7.8	5
114	Packing rectangles into a fixed size circular container: Constructive and metaheuristic search approaches. <i>European Journal of Operational Research</i> , 2020 , 285, 865-883	5.6	7
113	Tension in big data using machine learning: Analysis and applications. <i>Technological Forecasting and Social Change</i> , 2020 , 158, 120175	9.5	8
112	The location-routing problem with multi-compartment and multi-trip: formulation and heuristic approaches. <i>Transportmetrica A: Transport Science</i> , 2020 , 16, 501-528	2.5	3
111	When Green Technology Meets Optimization Modeling: The Case of Routing Drones in Logistics, Agriculture, and Healthcare 2020 , 127-145		3
110	Recent Developments in Real Life Vehicle Routing Problem Applications 2020 , 213-228		1
109	The continuous single-source capacitated multi-facility Weber problem with setup costs: formulation and solution methods. <i>Journal of Global Optimization</i> , 2020 , 78, 271-294	1.5	2
108	Formulation and a two-phase matheuristic for the roaming salesman problem: Application to election logistics. <i>European Journal of Operational Research</i> , 2020 , 280, 656-670	5.6	6
107	Design of a parallel genetic algorithm for continuous and pattern-free heliostat field optimization. <i>Journal of Supercomputing</i> , 2019 , 75, 1268-1283	2.5	6
106	Neighbourhood Reduction in Global and Combinatorial Optimization: The Case of the p-Centre Problem. <i>Profiles in Operations Research</i> , 2019 , 195-220	1	
105	A matheuristic approach for the split delivery vehicle routing problem: an efficient set covering-based model with guided route generation schemes. <i>International Journal of Mathematics in Operational Research</i> , 2019 , 15, 65	0.8	0

104	The planar multiple obnoxious facilities location problem: A Voronoi based heuristic. <i>Omega</i> , 2019 , 87, 105-116	7.2	24
103	The incorporation of fixed cost and multilevel capacities into the discrete and continuous single source capacitated facility location problem. <i>Annals of Operations Research</i> , 2019 , 275, 367-392	3.2	9
102	Preface: advances in theoretical and practical combinatorial optimization. <i>Annals of Operations Research</i> , 2019 , 272, 1-2	3.2	
101	Optimal solutions for the continuous p-centre problem and related -neighbour and conditional problems: A relaxation-based algorithm. <i>Journal of the Operational Research Society</i> , 2019 , 70, 192-211	2	6
100	The heterogeneous fleet vehicle routing problem with light loads and overtime: Formulation and population variable neighbourhood search with adaptive memory. <i>Expert Systems With Applications</i> , 2018 , 114, 183-195	7.8	15
99	Hector, a new methodology for continuous and pattern-free heliostat field optimization. <i>Applied Energy</i> , 2018 , 225, 1123-1131	10.7	12
98	The Multiple Trip Vehicle Routing Problem with Backhauls: Formulation and a Two-Level Variable Neighbourhood Search. <i>Computers and Operations Research</i> , 2017 , 78, 454-467	4.6	39
97	An integration of Lagrangian split and VNS: The case of the capacitated vehicle routing problem. <i>Computers and Operations Research</i> , 2017 , 78, 513-525	4.6	14
96	Incorporating neighborhood reduction for the solution of the planar p-median problem. <i>Annals of Operations Research</i> , 2017 , 258, 639-654	3.2	17
95	Heuristic Search 2017 ,		21
94	Hybridisation Search 2017 , 129-156		
93	Improvement-Only Heuristics 2017 , 19-47		
92	Implementation Issues 2017 , 157-188		
91	Applications, Conclusion and Research Challenges 2017 , 189-209		
90	The continuous single source location problem with capacity and zone-dependent fixed cost: Models and solution approaches. <i>European Journal of Operational Research</i> , 2017 , 263, 94-107	5.6	8
89	The cumulative capacitated vehicle routing problem with min-sum and min-max objectives: An effective hybridisation of adaptive variable neighbourhood search and large neighbourhood search. <i>Transportation Research Part B: Methodological</i> , 2017 , 101, 162-184	7.2	40
88	Measuring the environmental sustainability performance of global supply chains: A multi-regional input-output analysis for carbon, sulphur oxide and water footprints. <i>Journal of Environmental Management</i> , 2017 , 187, 571-585	7.9	108
87	Speeding up the optimal method of Drezner for the p-centre problem in the plane. <i>European Journal of Operational Research</i> , 2017 , 257, 722-734	5.6	19

86	Using injection points in reformulation local search for solving continuous location problems. <i>Yugoslav Journal of Operations Research</i> , 2017 , 27, 291-300	0.9	7
85	Not Necessary Improving Heuristics 2017 , 49-76		2
84	Population-Based Heuristics 2017 , 77-128		
83	The impact of hub failure in hub-and-spoke networks: Mathematical formulations and solution techniques. <i>Computers and Operations Research</i> , 2016 , 65, 174-188	4.6	53
82	A hybridisation of adaptive variable neighbourhood search and large neighbourhood search: Application to the vehicle routing problem. <i>Expert Systems With Applications</i> , 2016 , 65, 383-397	7.8	31
81	Drezner's Exact Method for the Continuous p-Centre Problem Revisited. <i>Electronic Notes in Discrete Mathematics</i> , 2016 , 55, 41-44	0.3	
80	Hybrid meta-heuristics with VNS and exact methods: application to large unconditional and conditional vertex (p)-centre problems. <i>Journal of Heuristics</i> , 2016 , 22, 507-537	1.9	24
79	New local searches for solving the multi-source Weber problem. <i>Annals of Operations Research</i> , 2016 , 246, 181-203	3.2	25
78	An adaptive perturbation-based heuristic: An application to the continuous p-centre problem. <i>Computers and Operations Research</i> , 2016 , 75, 1-11	4.6	12
77	Scheduling commercial advertisements for television. <i>International Journal of Production Research</i> , 2015 , 53, 1198-1215	7.8	10
76	A Cross Entropy-based heuristic for the capacitated multi-source Weber problem with facility fixed cost. <i>Computers and Industrial Engineering</i> , 2015 , 83, 151-158	6.4	8
75	New MAXCAP related problems: Formulation and model solutions. <i>Computers and Industrial Engineering</i> , 2015 , 85, 248-259	6.4	1
74	Splitting a Giant Tour using Integer Linear Programming. <i>Electronic Notes in Discrete Mathematics</i> , 2015 , 47, 245-252	0.3	1
73	Solving large (p)-median problems by a multistage hybrid approach using demand points aggregation and variable neighbourhood search. <i>Journal of Global Optimization</i> , 2015 , 63, 537-554	1.5	14
72	Solving the planar p-median problem by variable neighborhood and concentric searches. <i>Journal of Global Optimization</i> , 2015 , 63, 501-514	1.5	13
71	New heuristic algorithms for solving the planar p-median problem. <i>Computers and Operations Research</i> , 2015 , 62, 296-304	4.6	44
70	The continuous p-centre problem: An investigation into variable neighbourhood search with memory. <i>European Journal of Operational Research</i> , 2015 , 241, 606-621	5.6	8
69	A quadtree-based allocation method for a class of large discrete Euclidean location problems. <i>Computers and Operations Research</i> , 2015 , 55, 23-35	4.6	5

68	A Constructive Method and a Guided Hybrid GRASP for the Capacitated Multi-Source Weber Problem in the Presence of Fixed Cost. <i>Journal of Algorithms and Computational Technology</i> , 2015 , 9, 215-232	0.7	5
67	Aggregation and non aggregation techniques for large facility location problems: A survey. <i>Yugoslav Journal of Operations Research</i> , 2015 , 25, 313-341	0.9	10
66	A new local search for continuous location problems. <i>European Journal of Operational Research</i> , 2014 , 232, 256-265	5.6	55
65	Solving capacitated vehicle routing problem by artificial bee colony algorithm 2014 ,		8
64	An adaptive multiphase approach for large unconditional and conditional p-median problems. <i>European Journal of Operational Research</i> , 2014 , 237, 590-605	5.6	23
63	The multi-depot vehicle routing problem with heterogeneous vehicle fleet: Formulation and a variable neighborhood search implementation. <i>Computers and Operations Research</i> , 2014 , 52, 315-325	4.6	95
62	Location equilibria for a continuous competitive facility location problem under delivered pricing. <i>Computers and Operations Research</i> , 2014 , 41, 185-195	4.6	28
61	The vehicle routing problem with restricted mixing of deliveries and pickups. <i>Journal of Scheduling</i> , 2013 , 16, 199-213	1.6	10
60	Lagrangian relaxation heuristics for the uncapacitated single-source multi-product facility location problem. <i>International Journal of Production Economics</i> , 2013 , 145, 713-723	9.3	23
59	The Fleet Size and Mix Vehicle Routing Problem with Backhauls: Formulation and Set Partitioning-based Heuristics. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2013 , 56, 22-35	9	44
58	Solution of classical transport problems with bee algorithms. <i>International Journal of Logistics Systems and Management</i> , 2013 , 15, 160	0.7	4
57	Solving the Mixed Backhauling Vehicle Routing. <i>International Journal of Energy Optimization and Engineering</i> , 2013 , 2, 62-77	0.9	3
56	Customer Allocation in Maximum Capture Problems. <i>Mathematical Modelling and Algorithms</i> , 2012 , 11, 281-293		
55	Generating good starting solutions for the p-median problem in the plane. <i>Electronic Notes in Discrete Mathematics</i> , 2012 , 39, 225-232	0.3	5
54	A hierarchical algorithm for the planar single-facility location routing problem. <i>Computers and Operations Research</i> , 2012 , 39, 461-470	4.6	26
53	An adaptive search for the response time variability problem. <i>Journal of the Operational Research Society</i> , 2012 , 63, 597-605	2	5
52	A hybrid data mining metaheuristic for the p-median problem. <i>Statistical Analysis and Data Mining</i> , 2011 , 4, 313-335	1.4	15
51	A guided reactive GRASP for the capacitated multi-source Weber problem. <i>Computers and Operations Research</i> , 2011 , 38, 1014-1024	4.6	29

50	Hyper-heuristic approaches for the response time variability problem. <i>European Journal of Operational Research</i> , 2011 , 211, 160-169	5.6	20
49	An efficient hybrid genetic algorithm for the multi-product multi-period inventory routing problem. <i>International Journal of Production Economics</i> , 2011 , 133, 334-343	9.3	114
48	Integrating heuristic information into exact methods: The case of the vertex p-centre problem. <i>Journal of the Operational Research Society</i> , 2010 , 61, 1619-1631	2	11
47	Local improvement in planar facility location using vehicle routing. <i>Annals of Operations Research</i> , 2009 , 167, 287-296	3.2	30
46	An iterative variable-based fixation heuristic for the 0-1 multidimensional knapsack problem. <i>European Journal of Operational Research</i> , 2009 , 199, 339-348	5.6	21
45	Region-rejection based heuristics for the capacitated multi-source Weber problem. <i>Computers and Operations Research</i> , 2009 , 36, 2007-2017	4.6	33
44	A variable neighborhood-based heuristic for the heterogeneous fleet vehicle routing problem. <i>European Journal of Operational Research</i> , 2009 , 197, 509-518	5.6	96
43	Heuristics are here to help your online vehicle scheduling. <i>OR Insight</i> , 2009 , 22, 88-104		1
42	Semi-dynamic Demand in a Non-permutation Flowshop with Constrained Resequencing Buffers. <i>Lecture Notes in Computer Science</i> , 2008 , 536-544	0.9	
41	A perturbation-based heuristic for the capacitated multisource Weber problem. <i>European Journal of Operational Research</i> , 2007 , 179, 1194-1207	5.6	29
40	A GA Based Heuristic for the Vehicle Routing Problem with Multiple Trips. <i>Mathematical Modelling and Algorithms</i> , 2007 , 6, 591-613		68
39	Location-routing: Issues, models and methods. <i>European Journal of Operational Research</i> , 2007 , 177, 649-672	5.6	605
38	A survey of effective heuristics and their application to a variety of knapsack problems. <i>IMA Journal of Management Mathematics</i> , 2007 , 19, 227-244	1.4	50
37	Inventory routing problems: a logistical overview. <i>Journal of the Operational Research Society</i> , 2007 , 58, 1185-1194	2	124
36	The multifacility maximin planar location problem with facility interaction. <i>IMA Journal of Management Mathematics</i> , 2006 , 17, 397-412	1.4	14
35	A multi-objective heuristic approach for the casualty collection points location problem. <i>Journal of the Operational Research Society</i> , 2006 , 57, 727-734	2	47
34	Predicting Colorectal Cancer Recurrence: A Hybrid Neural Networks-Based Approach 2005 , 259-285		1
33	Heuristic algorithms for single and multiple depot vehicle routing problems with pickups and deliveries. <i>European Journal of Operational Research</i> , 2005 , 162, 126-141	5.6	273

32	Strategies for increasing the efficiency of a genetic algorithm for the structural optimization of nanoalloy clusters. <i>Journal of Computational Chemistry</i> , 2005 , 26, 1069-78	3.5	35
31	A Continuous Location-Allocation Problem with Zone-Dependent Fixed Cost. <i>Annals of Operations Research</i> , 2005 , 136, 99-115	3.2	28
30	Adaptive hybrid learning for neural networks. <i>Neural Computation</i> , 2004 , 16, 139-57	2.9	8
29	The multi-source Weber problem with constant opening cost. <i>Journal of the Operational Research Society</i> , 2004 , 55, 640-646	2	22
28	A hybrid algorithm for identifying global and local minima when optimizing functions with many minima. <i>European Journal of Operational Research</i> , 2004 , 155, 51-67	5.6	33
27	The investigation of a class of capacitated arc routing problems: the collection of garbage in developing countries. <i>Waste Management</i> , 2004 , 24, 711-21	8.6	87
26	A genetic algorithm based approach to intelligent modelling and control of pH in reactors. <i>Computers and Chemical Engineering</i> , 2004 , 28, 1743-1757	4	17
25	Theoretical investigation of isomer stability in platinum-palladium nanoalloy clusters. <i>Journal of Materials Chemistry</i> , 2004 , 14, 1691-1704		79
24	Development of a Genetic Algorithm for Optimization of Nanoalloys. <i>Lecture Notes in Computer Science</i> , 2004 , 1316-1317	0.9	4
23	Exact and heuristic methods for a full-load, multi-terminal, vehicle scheduling problem with backhauling and time windows. <i>Journal of the Operational Research Society</i> , 2003 , 54, 390-400	2	17
22	A Genetic Algorithm Based Approach for the Uncapacitated Continuous Location-Allocation Problem. <i>Annals of Operations Research</i> , 2003 , 123, 203-222	3.2	61
21	A multi-phase constructive heuristic for the vehicle routing problem with multiple trips. <i>Discrete Applied Mathematics</i> , 2003 , 133, 69-92	1	73
20	A cellular heuristic for the multisource Weber problem. <i>Computers and Operations Research</i> , 2003 , 30, 1609-1624	4.6	25
19	An Ant System Algorithm for the Mixed Vehicle Routing Problem with Backhauls. <i>Applied Optimization</i> , 2003 , 699-719		14
18	Using hybrid metaheuristics for the one-way and two-way network design problem. <i>Naval Research Logistics</i> , 2002 , 49, 449-463	1.5	42
17	Solving the multiple competitive facilities location problem. <i>European Journal of Operational Research</i> , 2002 , 142, 138-151	5.6	86
16	Defining tabu list size and aspiration criterion within tabu search methods. <i>Computers and Operations Research</i> , 2002 , 29, 67-86	4.6	56
15	A Tabu Search Heuristic for the Location of Multi-Type Protection Devices on Electrical Supply Tree Networks. <i>Journal of Combinatorial Optimization</i> , 2002 , 6, 81-98	0.9	7

14	Constructive heuristics for the uncapacitated continuous location-allocation problem. <i>Journal of the Operational Research Society</i> , 2001 , 52, 821-829	2	31
13	Genetic clustering: An adaptive heuristic for the multidepot vehicle routing problem. <i>Applied Artificial Intelligence</i> , 2001 , 15, 361-383	2.3	60
12	Tabu search model selection in multiple regression analysis. <i>Communications in Statistics Part B: Simulation and Computation</i> , 1999 , 28, 349-367	0.6	31
11	A Tabu Search Approach for the Resource Constrained Project Scheduling Problem. <i>Journal of Heuristics</i> , 1998 , 4, 123-139	1.9	59
10	Lagrangean heuristics applied to a variety of large capacitated plant location problems. <i>Journal of the Operational Research Society</i> , 1998 , 49, 1072-1084	2	32
9	A perturbation heuristic for a class of location problems. <i>Journal of the Operational Research Society</i> , 1997 , 48, 1233-1240	2	13
8	A multi-level composite heuristic for the multi-depot vehicle fleet mix problem. <i>European Journal of Operational Research</i> , 1997 , 103, 95-112	5.6	135
7	The obnoxious p facility network location problem with facility interaction. <i>European Journal of Operational Research</i> , 1997 , 102, 302-319	5.6	14
6	Nested Heuristic Methods for the Location-Routeing Problem. <i>Journal of the Operational Research Society</i> , 1996 , 47, 1166-1174	2	52
5	Subdrop: A modified drop heuristic for location problems. <i>Location Science</i> , 1995 , 3, 267-273		8
4	Incorporating vehicle routing into the vehicle fleet composition problem. <i>European Journal of Operational Research</i> , 1993 , 66, 313-330	5.6	71
3	The effect of ignoring routes when locating depots. <i>European Journal of Operational Research</i> , 1989 , 39, 150-156	5.6	215
2	Improvements to Vehicle Routeing Heuristics. <i>Journal of the Operational Research Society</i> , 1987 , 38, 293-295		35
1	Multi-period travelling politician problem: A hybrid metaheuristic solution method. <i>Journal of the Operational Research Society</i> , 1-36	2	