

Vittorio Maniezzo

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2979204/vittorio-maniezzo-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71
papers

8,721
citations

23
h-index

75
g-index

75
ext. papers

10,335
ext. citations

2.3
avg, IF

5.89
L-index

#	Paper	IF	Citations
71	Ant system: optimization by a colony of cooperating agents. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 1996 , 26, 29-41		6150
70	The ant system applied to the quadratic assignment problem. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 1999 , 11, 769-778	4.2	357
69	Genetic evolution of the topology and weight distribution of neural networks. <i>IEEE Transactions on Neural Networks</i> , 1994 , 5, 39-53		282
68	An Exact Algorithm for the Resource-Constrained Project Scheduling Problem Based on a New Mathematical Formulation. <i>Management Science</i> , 1998 , 44, 714-729	3.9	235
67	Exact and Approximate Nondeterministic Tree-Search Procedures for the Quadratic Assignment Problem. <i>INFORMS Journal on Computing</i> , 1999 , 11, 358-369	2.4	196
66	An Exact Method for the Car Pooling Problem Based on Lagrangean Column Generation. <i>Operations Research</i> , 2004 , 52, 422-439	2.3	172
65	Heuristics from Nature for Hard Combinatorial Optimization Problems. <i>International Transactions in Operational Research</i> , 1996 , 3, 1-21	2.9	150
64	An ANTS heuristic for the frequency assignment problem. <i>Future Generation Computer Systems</i> , 2000 , 16, 927-935	7.5	108
63	A distributed geographic information system for the daily car pooling problem. <i>Computers and Operations Research</i> , 2004 , 31, 2263-2278	4.6	105
62	A decision support system for urban waste management. <i>European Journal of Operational Research</i> , 1998 , 109, 330-341	5.6	87
61	A variable neighborhood search for the capacitated arc routing problem with intermediate facilities. <i>Journal of Heuristics</i> , 2008 , 14, 405-423	1.9	85
60	Exact methods based on node-routing formulations for undirected arc-routing problems. <i>Networks</i> , 2006 , 47, 52-60	1.6	76
59	Matheuristics: Optimization, Simulation and Control. <i>Lecture Notes in Computer Science</i> , 2009 , 171-177	0.9	72
58	Decision support for siting problems. <i>Decision Support Systems</i> , 1998 , 23, 273-284	5.6	51
57	A Bionomic Approach to the Capacitated p-Median Problem. <i>Journal of Heuristics</i> , 1998 , 4, 263-280	1.9	49
56	Benders decomposition, Lagrangean relaxation and metaheuristic design. <i>Journal of Heuristics</i> , 2009 , 15, 283-312	1.9	48
55	Ant Colony Optimization. <i>Studies in Fuzziness and Soft Computing</i> , 2004 , 101-121	0.7	45

54	Metaheuristics for High School Timetabling. <i>Computational Optimization and Applications</i> , 1998 , 9, 275-298	4.4	44
53	A new method for solving capacitated location problems based on a set partitioning approach. <i>Computers and Operations Research</i> , 2002 , 29, 365-386	4.6	38
52	Algodesk: An experimental comparison of eight evolutionary heuristics applied to the Quadratic Assignment Problem. <i>European Journal of Operational Research</i> , 1995 , 81, 188-204	5.6	38
51	Genetic algorithms and highly constrained problems: The time-table case 1990 , 55-59		38
50	Algorithms for nesting with defects. <i>Discrete Applied Mathematics</i> , 2014 , 163, 17-33	1	25
49	A set covering based matheuristic for a real-world city logistics problem. <i>International Transactions in Operational Research</i> , 2015 , 22, 169-195	2.9	24
48	An ANTS Heuristic for the Long Term Car Pooling Problem. <i>Studies in Fuzziness and Soft Computing</i> , 2004 , 411-430	0.7	23
47	Ant Colony Optimization: An Overview. <i>Operations Research/ Computer Science Interfaces Series</i> , 2002 , 469-492	0.3	20
46	An Ant-Based Framework for Very Strongly Constrained Problems. <i>Lecture Notes in Computer Science</i> , 2002 , 222-227	0.9	19
45	Materialization of fragmented views in multidimensional databases. <i>Data and Knowledge Engineering</i> , 2004 , 49, 325-351	1.5	18
44	The project scheduling problem with irregular starting time costs. <i>Operations Research Letters</i> , 1999 , 25, 175-182	1	17
43	Applying Ant Colony Optimization to the Capacitated Arc Routing Problem. <i>Lecture Notes in Computer Science</i> , 2004 , 420-421	0.9	13
42	Special issue on mathematical contributions to metaheuristics editorial. <i>Journal of Heuristics</i> , 2009 , 15, 197-199	1.9	11
41	A Heuristic Procedure For the Multi-mode Project Scheduling Problem Based on Benders Decomposition. <i>Profiles in Operations Research</i> , 1999 , 179-196	1	10
40	Decomposition Techniques as Metaheuristic Frameworks. <i>Annals of Information Systems</i> , 2009 , 135-158		9
39	VERY STRONGLY CONSTRAINED PROBLEMS: AN ANT COLONY OPTIMIZATION APPROACH. <i>Cybernetics and Systems</i> , 2008 , 39, 395-424	1.9	9
38	Integrating expert systems and decision-support systems: principles and practice. <i>Knowledge-Based Systems</i> , 1991 , 4, 172-176	7.3	9
37	Air quality simulation through cellular automata. <i>Environmental Software</i> , 1992 , 7, 131-141		9

36	An Ant Approach to Membership Overlay Design. <i>Lecture Notes in Computer Science</i> , 2004 , 37-48	0.9	7
35	Route relaxations on GPU for vehicle routing problems. <i>European Journal of Operational Research</i> , 2017 , 258, 456-466	5.6	6
34	A Fully Distributed Lagrangean Solution for a Peer-to-Peer Overlay Network Design Problem. <i>INFORMS Journal on Computing</i> , 2011 , 23, 90-104	2.4	5
33	A Genetic/Tabu Thresholding Hybrid Algorithm for the Process Allocation Problem. <i>Journal of Heuristics</i> , 1997 , 3, 91-110	1.9	5
32	Cellular Automata and Roundabout Traffic Simulation. <i>Lecture Notes in Computer Science</i> , 2004 , 202-210	0.9	5
31	Modelling the student in Pitagora 2.0. <i>User Modeling and User-Adapted Interaction</i> , 1995 , 4, 233-251	3.9	5
30	Algorithms for Large Directed Capacitated Arc Routing Problem Instances. <i>Studies in Computational Intelligence</i> , 2008 , 259-274	0.8	5
29	The Ant Colony Optimization Paradigm for Combinatorial Optimization. <i>Natural Computing Series</i> , 2003 , 539-557	2.5	4
28	Using GPU Computing for Solving the Two-Dimensional Guillotine Cutting Problem. <i>INFORMS Journal on Computing</i> , 2016 , 28, 540-552	2.4	4
27	An ANTS Algorithm for Optimizing the Materialization of Fragmented Views in Data Warehouses: Preliminary Results. <i>Lecture Notes in Computer Science</i> , 2001 , 80-89	0.9	4
26	Client-side Computational Optimization. <i>ACM Transactions on Mathematical Software</i> , 2019 , 45, 1-16	2.3	3
25	A PSYCHOGENETIC ALGORITHM FOR BEHAVIORAL SEQUENCE LEARNING. <i>International Journal on Artificial Intelligence Tools</i> , 2007 , 16, 195-217	0.9	3
24	Preface to the Special Issue on Matheuristics and Metaheuristics. <i>International Transactions in Operational Research</i> , 2020 , 27, 5-8	2.9	3
23	Preface to the Special Issue on Matheuristics: Model-Based Metaheuristics. <i>International Transactions in Operational Research</i> , 2015 , 22, 1-1	2.9	2
22	Metaheuristic search techniques for multi-objective and stochastic problems: a history of the inventions of Walter J. Gutjahr in the past 22 years. <i>Central European Journal of Operations Research</i> , 2018 , 26, 331-356	2.2	2
21	Combining Exact Methods and Heuristics 2011 ,		2
20	An Ant System Heuristic for the Two-Dimensional Finite Bin Packing Problem: preliminary results. <i>Mathematics in Industry</i> , 2005 , 233-247	0.2	2
19	Parallel simulation of a cellular pollution model. <i>Applied Mathematics and Computation</i> , 1996 , 79, 27-41	2.7	2

18	An Adaptive Memory-Based Approach Based on Partial Enumeration. <i>Lecture Notes in Computer Science</i> , 2008 , 12-24	0.9	2
17	The Generalized Assignment Problem. <i>EURO Advanced Tutorials on Operational Research</i> , 2021 , 3-33	0.8	2
16	Mode determination in noisy bimodal images by histogram comparison. <i>Pattern Recognition Letters</i> , 1995 , 16, 1237-1248	4.7	1
15	Regional Traffic Assignment by ACO. <i>Lecture Notes in Computer Science</i> , 2008 , 409-410	0.9	1
14	Stochastic premarshalling of block stacking warehouses. <i>Omega</i> , 2021 , 102, 102336	7.2	1
13	Decomposition-Based Heuristics. <i>EURO Advanced Tutorials on Operational Research</i> , 2021 , 159-177	0.8	1
12	Edge-Based Transfer Learning for Classroom Occupancy Detection in a Smart Campus Context. <i>Sensors</i> , 2022 , 22, 3692	3.8	1
11	Membership overlay design optimization with resource constraints (accelerated on GPU). <i>Journal of Parallel and Distributed Computing</i> , 2019 , 133, 286-296	4.4	0
10	Special issue on Metaheuristics <i>International Transactions in Operational Research</i> , 2016 , 23, 1231-1232	2.9	
9	Real world finite capacity planning: a partial enumeration based optimizer. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 2023-2028		
8	A Decision Support System Distributed on the Internet. <i>Journal of Decision Systems</i> , 1997 , 6, 353-368	1.2	
7	Soft Variable Fixing in Path Relinking: An Application to ACO Codes. <i>Lecture Notes in Computer Science</i> , 2010 , 576-577	0.9	
6	Special issue on Metaheuristics <i>International Transactions in Operational Research</i> , 2016 , 23, 993-994	2.9	
5	Population-Based Metaheuristics. <i>EURO Advanced Tutorials on Operational Research</i> , 2021 , 95-130	0.8	
4	Single Solution Metaheuristics. <i>EURO Advanced Tutorials on Operational Research</i> , 2021 , 61-94	0.8	
3	Fore-and-Back. <i>EURO Advanced Tutorials on Operational Research</i> , 2021 , 199-211	0.8	
2	Corridor Method. <i>EURO Advanced Tutorials on Operational Research</i> , 2021 , 179-187	0.8	
1	Modeling Distributed MQTT Systems Using Multicommodity Flow Analysis. <i>Electronics (Switzerland)</i> , 2022 , 11, 1498	2.6	

