

Vittorio Maniezzo

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.

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	Edge-Based Transfer Learning for Classroom Occupancy Detection in a Smart Campus Context. <i>Sensors</i> , 2022 , 22, 3692	3.8	1
70	Modeling Distributed MQTT Systems Using Multicommodity Flow Analysis. <i>Electronics (Switzerland)</i> , 2022 , 11, 1498	2.6	
69	Stochastic premarshalling of block stacking warehouses. <i>Omega</i> , 2021 , 102, 102336	7.2	1
68	Population-Based Metaheuristics. <i>EURO Advanced Tutorials on Operational Research</i> , 2021 , 95-130	0.8	
67	Single Solution Metaheuristics. <i>EURO Advanced Tutorials on Operational Research</i> , 2021 , 61-94	0.8	
66	Fore-and-Back. <i>EURO Advanced Tutorials on Operational Research</i> , 2021 , 199-211	0.8	
65	Decomposition-Based Heuristics. <i>EURO Advanced Tutorials on Operational Research</i> , 2021 , 159-177	0.8	1
64	Corridor Method. <i>EURO Advanced Tutorials on Operational Research</i> , 2021 , 179-187	0.8	
63	The Generalized Assignment Problem. <i>EURO Advanced Tutorials on Operational Research</i> , 2021 , 3-33	0.8	2
62	Preface to the Special Issue on Matheuristics and Metaheuristics. <i>International Transactions in Operational Research</i> , 2020 , 27, 5-8	2.9	3
61	Client-side Computational Optimization. <i>ACM Transactions on Mathematical Software</i> , 2019 , 45, 1-16	2.3	3
60	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
59	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
58	Route relaxations on GPU for vehicle routing problems. <i>European Journal of Operational Research</i> , 2017 , 258, 456-466	5.6	6
57	Special issue on Matheuristics. <i>International Transactions in Operational Research</i> , 2016 , 23, 1231-1232	2.9	
56	Special issue on Matheuristics. <i>International Transactions in Operational Research</i> , 2016 , 23, 993-994	2.9	
55	Using GPU Computing for Solving the Two-Dimensional Guillotine Cutting Problem. <i>INFORMS Journal on Computing</i> , 2016 , 28, 540-552	2.4	4

54	Preface to the Special Issue on Matheuristics: Model-Based Metaheuristics. <i>International Transactions in Operational Research</i> , 2015 , 22, 1-1	2.9	2
53	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
52	Algorithms for nesting with defects. <i>Discrete Applied Mathematics</i> , 2014 , 163, 17-33	1	25
51	Combining Exact Methods and Heuristics 2011 ,		2
50	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
49	Soft Variable Fixing in Path Relinking: An Application to ACO Codes. <i>Lecture Notes in Computer Science</i> , 2010 , 576-577	0.9	
48	Decomposition Techniques as Metaheuristic Frameworks. <i>Annals of Information Systems</i> , 2009 , 135-158		9
47	Benders decomposition, Lagrangean relaxation and metaheuristic design. <i>Journal of Heuristics</i> , 2009 , 15, 283-312	1.9	48
46	Special issue on mathematical contributions to metaheuristics editorial. <i>Journal of Heuristics</i> , 2009 , 15, 197-199	1.9	11
45	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		
44	Matheuristics: Optimization, Simulation and Control. <i>Lecture Notes in Computer Science</i> , 2009 , 171-177	0.9	72
43	VERY STRONGLY CONSTRAINED PROBLEMS: AN ANT COLONY OPTIMIZATION APPROACH. <i>Cybernetics and Systems</i> , 2008 , 39, 395-424	1.9	9
42	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
41	Regional Traffic Assignment by ACO. <i>Lecture Notes in Computer Science</i> , 2008 , 409-410	0.9	1
40	Algorithms for Large Directed Capacitated Arc Routing Problem Instances. <i>Studies in Computational Intelligence</i> , 2008 , 259-274	0.8	5
39	An Adaptive Memory-Based Approach Based on Partial Enumeration. <i>Lecture Notes in Computer Science</i> , 2008 , 12-24	0.9	2
38	A PSYCHOGENETIC ALGORITHM FOR BEHAVIORAL SEQUENCE LEARNING. <i>International Journal on Artificial Intelligence Tools</i> , 2007 , 16, 195-217	0.9	3
37	Exact methods based on node-routing formulations for undirected arc-routing problems. <i>Networks</i> , 2006 , 47, 52-60	1.6	76

36	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
35	Applying Ant Colony Optimization to the Capacitated Arc Routing Problem. <i>Lecture Notes in Computer Science</i> , 2004 , 420-421	0.9	13
34	Cellular Automata and Roundabout Traffic Simulation. <i>Lecture Notes in Computer Science</i> , 2004 , 202-210	0.9	5
33	An Exact Method for the Car Pooling Problem Based on Lagrangean Column Generation. <i>Operations Research</i> , 2004 , 52, 422-439	2.3	172
32	Ant Colony Optimization. <i>Studies in Fuzziness and Soft Computing</i> , 2004 , 101-121	0.7	45
31	A distributed geographic information system for the daily car pooling problem. <i>Computers and Operations Research</i> , 2004 , 31, 2263-2278	4.6	105
30	Materialization of fragmented views in multidimensional databases. <i>Data and Knowledge Engineering</i> , 2004 , 49, 325-351	1.5	18
29	An Ant Approach to Membership Overlay Design. <i>Lecture Notes in Computer Science</i> , 2004 , 37-48	0.9	7
28	An ANTS Heuristic for the Long Term Car Pooling Problem. <i>Studies in Fuzziness and Soft Computing</i> , 2004 , 411-430	0.7	23
27	The Ant Colony Optimization Paradigm for Combinatorial Optimization. <i>Natural Computing Series</i> , 2003 , 539-557	2.5	4
26	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
25	Ant Colony Optimization: An Overview. <i>Operations Research/ Computer Science Interfaces Series</i> , 2002 , 469-492	0.3	20
24	An Ant-Based Framework for Very Strongly Constrained Problems. <i>Lecture Notes in Computer Science</i> , 2002 , 222-227	0.9	19
23	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
22	An ANTS heuristic for the frequency assignment problem. <i>Future Generation Computer Systems</i> , 2000 , 16, 927-935	7.5	108
21	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
20	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
19	The project scheduling problem with irregular starting time costs. <i>Operations Research Letters</i> , 1999 , 25, 175-182	1	17

18	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
17	A Bionomic Approach to the Capacitated p-Median Problem. <i>Journal of Heuristics</i> , 1998 , 4, 263-280	1.9	49
16	Metaheuristics for High School Timetabling. <i>Computational Optimization and Applications</i> , 1998 , 9, 275-294	2.4	44
15	A decision support system for urban waste management. <i>European Journal of Operational Research</i> , 1998 , 109, 330-341	5.6	87
14	Decision support for siting problems. <i>Decision Support Systems</i> , 1998 , 23, 273-284	5.6	51
13	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
12	A Decision Support System Distributed on the Internet. <i>Journal of Decision Systems</i> , 1997 , 6, 353-368	1.2	
11	A Genetic/Tabu Thresholding Hybrid Algorithm for the Process Allocation Problem. <i>Journal of Heuristics</i> , 1997 , 3, 91-110	1.9	5
10	Ant system: optimization by a colony of cooperating agents. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 1996 , 26, 29-41		6150
9	Heuristics from Nature for Hard Combinatorial Optimization Problems. <i>International Transactions in Operational Research</i> , 1996 , 3, 1-21	2.9	150
8	Parallel simulation of a cellular pollution model. <i>Applied Mathematics and Computation</i> , 1996 , 79, 27-41	2.7	2
7	Modelling the student in Pitagora 2.0. <i>User Modeling and User-Adapted Interaction</i> , 1995 , 4, 233-251	3.9	5
6	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
5	Mode determination in noisy bimodal images by histogram comparison. <i>Pattern Recognition Letters</i> , 1995 , 16, 1237-1248	4.7	1
4	Genetic evolution of the topology and weight distribution of neural networks. <i>IEEE Transactions on Neural Networks</i> , 1994 , 5, 39-53		282
3	Air quality simulation through cellular automata. <i>Environmental Software</i> , 1992 , 7, 131-141		9
2	Integrating expert systems and decision-support systems: principles and practice. <i>Knowledge-Based Systems</i> , 1991 , 4, 172-176	7.3	9
1	Genetic algorithms and highly constrained problems: The time-table case 1990 , 55-59		38

