

# Manuel Iori

## 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.

97 papers	2,624 citations	25 h-index	49 g-index
104 ext. papers	3,231 ext. citations	3.3 avg, IF	5.7 L-index

#	Paper	IF	Citations
97	An Exact Approach for the Vehicle Routing Problem with Two-Dimensional Loading Constraints. <i>Transportation Science</i> , <b>2007</b> , 41, 253-264	4.4	196
96	A Tabu Search Algorithm for a Routing and Container Loading Problem. <i>Transportation Science</i> , <b>2006</b> , 40, 342-350	4.4	185
95	The bike sharing rebalancing problem: Mathematical formulations and benchmark instances. <i>Omega</i> , <b>2014</b> , 45, 7-19	7.2	177
94	Bin packing and cutting stock problems: Mathematical models and exact algorithms. <i>European Journal of Operational Research</i> , <b>2016</b> , 255, 1-20	5.6	151
93	Ant colony optimization for the two-dimensional loading vehicle routing problem. <i>Computers and Operations Research</i> , <b>2009</b> , 36, 655-673	4.6	145
92	Routing problems with loading constraints. <i>Top</i> , <b>2010</b> , 18, 4-27	1.3	144
91	A Tabu search heuristic for the vehicle routing problem with two-dimensional loading constraints. <i>Networks</i> , <b>2008</b> , 51, 4-18	1.6	141
90	Metaheuristics for vehicle routing problems with three-dimensional loading constraints. <i>European Journal of Operational Research</i> , <b>2010</b> , 201, 751-759	5.6	109
89	A destroy and repair algorithm for the Bike sharing Rebalancing Problem. <i>Computers and Operations Research</i> , <b>2016</b> , 71, 149-162	4.6	80
88	A heuristic algorithm for a single vehicle static bike sharing rebalancing problem. <i>Computers and Operations Research</i> , <b>2017</b> , 79, 19-33	4.6	74
87	Algorithms for the Bin Packing Problem with Conflicts. <i>INFORMS Journal on Computing</i> , <b>2010</b> , 22, 401-415.	4.4	59
86	A branch-and-cut algorithm for the pickup and delivery traveling salesman problem with LIFO loading. <i>Networks</i> , <b>2010</b> , 55, 46-59	1.6	55
85	Combinatorial BendersCuts for the Strip Packing Problem. <i>Operations Research</i> , <b>2014</b> , 62, 643-661	2.3	54
84	The Bike sharing Rebalancing Problem with Stochastic Demands. <i>Transportation Research Part B: Methodological</i> , <b>2018</b> , 118, 362-380	7.2	54
83	Metaheuristics for the vehicle routing problem with loading constraints. <i>Networks</i> , <b>2007</b> , 49, 294-307	1.6	52
82	Chapter 6: Pickup-and-Delivery Problems for Goods Transportation <b>2014</b> , 161-191		40
81	Heuristic and exact algorithms for the multi-pile vehicle routing problem. <i>OR Spectrum</i> , <b>2011</b> , 33, 931-959.	2.9	35

80	Heuristic and Exact Algorithms for the Identical Parallel Machine Scheduling Problem. <i>INFORMS Journal on Computing</i> , <b>2008</b> , 20, 333-344	2.4	35
79	Minimizing CO2 emissions in a practical daily carpooling problem. <i>Computers and Operations Research</i> , <b>2017</b> , 81, 40-50	4.6	34
78	An analysis of drivers route choice behaviour using GPS data and optimal alternatives. <i>Journal of Transport Geography</i> , <b>2016</b> , 51, 119-129	5.2	32
77	Logic based Benders decomposition for orthogonal stock cutting problems. <i>Computers and Operations Research</i> , <b>2017</b> , 78, 290-298	4.6	29
76	Mathematical models for multicontainer loading problems. <i>Omega</i> , <b>2017</b> , 66, 106-117	7.2	28
75	Exact algorithms for the double vehicle routing problem with multiple stacks. <i>Computers and Operations Research</i> , <b>2015</b> , 63, 83-101	4.6	27
74	A Branch-and-Cut Algorithm for the Double Traveling Salesman Problem with Multiple Stacks. <i>INFORMS Journal on Computing</i> , <b>2013</b> , 25, 41-55	2.4	27
73	Metaheuristic Algorithms for the Strip Packing Problem. <i>Applied Optimization</i> , <b>2003</b> , 159-179		26
72	A hybrid genetic algorithm for the two-dimensional single large object placement problem. <i>European Journal of Operational Research</i> , <b>2007</b> , 183, 1150-1166	5.6	25
71	Exact solution techniques for two-dimensional cutting and packing. <i>European Journal of Operational Research</i> , <b>2021</b> , 289, 399-415	5.6	25
70	An annotated bibliography of combined routing and loading problems. <i>Yugoslav Journal of Operations Research</i> , <b>2013</b> , 23, 311-326	0.9	24
69	The Meet-in-the-Middle Principle for Cutting and Packing Problems. <i>INFORMS Journal on Computing</i> , <b>2018</b> , 30, 646-661	2.4	24
68	Heuristic and Exact Algorithms for the Interval MinMax Regret Knapsack Problem. <i>INFORMS Journal on Computing</i> , <b>2015</b> , 27, 392-405	2.4	23
67	The Bin Packing Problem with Precedence Constraints. <i>Operations Research</i> , <b>2012</b> , 60, 1491-1504	2.3	22
66	Friendly bin packing instances without Integer Round-up Property. <i>Mathematical Programming</i> , <b>2015</b> , 150, 5-17	2.1	21
65	BPPLIB: a library for bin packing and cutting stock problems. <i>Optimization Letters</i> , <b>2018</b> , 12, 235-250	1.1	21
64	The single-finger keyboard layout problem. <i>Computers and Operations Research</i> , <b>2009</b> , 36, 3002-3012	4.6	21
63	An aggregate label setting policy for the multi-objective shortest path problem. <i>European Journal of Operational Research</i> , <b>2010</b> , 207, 1489-1496	5.6	21

62	Branch-and-cut for the pickup and delivery traveling salesman problem with FIFO loading. <i>Computers and Operations Research</i> , <b>2010</b> , 37, 970-980	4.6	21
61	Enhanced Pseudo-polynomial Formulations for Bin Packing and Cutting Stock Problems. <i>INFORMS Journal on Computing</i> , <b>2020</b> , 32, 101-119	2.4	21
60	A rolling horizon algorithm for auto-carrier transportation. <i>Transportation Research Part B: Methodological</i> , <b>2015</b> , 76, 68-80	7.2	19
59	Mathematical models and decomposition methods for the multiple knapsack problem. <i>European Journal of Operational Research</i> , <b>2019</b> , 274, 886-899	5.6	19
58	The Static Bike Sharing Rebalancing Problem with Forbidden Temporary Operations. <i>Transportation Science</i> , <b>2019</b> , 53, 882-896	4.4	18
57	A branch-and-price algorithm for the temporal bin packing problem. <i>Computers and Operations Research</i> , <b>2020</b> , 114, 104825	4.6	18
56	Non-Elementary Formulations for Single Vehicle Routing Problems with Pickups and Deliveries. <i>Operations Research</i> , <b>2017</b> , 65, 1597-1614	2.3	17
55	Shortest paths in piecewise continuous time-dependent networks. <i>Operations Research Letters</i> , <b>2008</b> , 36, 688-691	1	17
54	An Adaptive Iterated Local Search for the Mixed Capacitated General Routing Problem. <i>Transportation Science</i> , <b>2016</b> , 50, 1223-1238	4.4	17
53	Novel formulations and modeling enhancements for the dynamic berth allocation problem. <i>European Journal of Operational Research</i> , <b>2019</b> , 278, 170-185	5.6	16
52	Metaheuristic algorithms for combinatorial optimization problems. <i>4or</i> , <b>2005</b> , 3, 163-166	1.4	14
51	Optimization of a Real-World Auto-Carrier Transportation Problem. <i>Transportation Science</i> , <b>2015</b> , 49, 402-419	4.4	13
50	Heuristic Algorithms and Scatter Search for the Cardinality Constrained P  Cmax Problem. <i>Journal of Heuristics</i> , <b>2004</b> , 10, 169-204	1.9	13
49	Enhanced arc-flow formulations to minimize weighted completion time on identical parallel machines. <i>European Journal of Operational Research</i> , <b>2019</b> , 275, 67-79	5.6	13
48	A practical time slot management and routing problem for attended home services. <i>Omega</i> , <b>2018</b> , 81, 208-219	7.2	12
47	Rich vehicle routing with auxiliary depots and anticipated deliveries: An application to pharmaceutical distribution. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2019</b> , 129, 162-174	9	11
46	Personnel scheduling during Covid-19 pandemic. <i>Optimization Letters</i> , <b>2020</b> , 15, 1-12	1.1	11
45	Exact and heuristic algorithms for the interval min-max regret generalized assignment problem. <i>Computers and Industrial Engineering</i> , <b>2018</b> , 125, 98-110	6.4	10

44	Mathematical formulations for scheduling jobs on identical parallel machines with family setup times and total weighted completion time minimization. <i>European Journal of Operational Research</i> , <b>2021</b> , 289, 825-840	5.6	10
43	Two-Phase Earthwork Optimization Model for Highway Construction. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2015</b> , 141, 05015003	4.2	9
42	Mathematical models and decomposition algorithms for makespan minimization in plastic rolls productionPlease note this paper has been re-typeset by Taylor & Francis from the manuscript originally provided to the previous publisher.View all notes. <i>Journal of the Operational Research Society</i> , <b>2018</b> , 69, 326-339	2	8
41	Exact algorithms for the bin packing problem with fragile objects. <i>Discrete Optimization</i> , <b>2013</b> , 10, 210-223	2.3	8
40	A batching-move iterated local search algorithm for the bin packing problem with generalized precedence constraints. <i>International Journal of Production Research</i> , <b>2017</b> , 55, 6288-6304	7.8	7
39	Lower bounds and heuristic algorithms for the ki-partitioning problem. <i>European Journal of Operational Research</i> , <b>2006</b> , 171, 725-742	5.6	7
38	Solution methods for scheduling problems with sequence-dependent deterioration and maintenance events. <i>European Journal of Operational Research</i> , <b>2021</b> , 295, 823-837	5.6	6
37	Arc flow formulations based on dynamic programming: Theoretical foundations and applications. <i>European Journal of Operational Research</i> , <b>2022</b> , 296, 3-21	5.6	6
36	Scheduling jobs with release dates on identical parallel machines by minimizing the total weighted completion time. <i>Computers and Operations Research</i> , <b>2020</b> , 123, 105018	4.6	4
35	Lower and upper bounds for the Bin Packing Problem with Fragile Objects. <i>Discrete Applied Mathematics</i> , <b>2014</b> , 163, 73-86	1	4
34	Scatter Search Algorithms for Identical Parallel Machine Scheduling Problems. <i>Studies in Computational Intelligence</i> , <b>2008</b> , 41-59	0.8	4
33	Combinatorial Benders Decomposition for the Two-Dimensional Bin Packing Problem. <i>INFORMS Journal on Computing</i> , <b>2021</b> , 33, 963-978	2.4	4
32	Computational Simulation as an Organizational Prototyping Tool. <i>Proceedings of the Design Society International Conference on Engineering Design</i> , <b>2019</b> , 1, 1105-1114	0.7	3
31	Mathematical Models and Search Algorithms for the Capacitated p-Center Problem. <i>INFORMS Journal on Computing</i> , <b>2019</b> ,	2.4	3
30	Optimal design of fair layouts. <i>Flexible Services and Manufacturing Journal</i> , <b>2013</b> , 25, 443-461	1.8	3
29	Training software for orthogonal packing problems. <i>Computers and Industrial Engineering</i> , <b>2017</b> , 111, 139-147	6.4	3
28	Knapsack problems - An overview of recent advances. Part II: Multiple, multidimensional, and quadratic knapsack problems. <i>Computers and Operations Research</i> , <b>2022</b> , 105693	4.6	3
27	Solution of a Practical Pallet Building Problem with Visibility and Contiguity Constraints <b>2020</b> ,		3

26	2DPackLib: a two-dimensional cutting and packing library. <i>Optimization Letters</i> , 1	1.1	3
25	Mathematical models and heuristic methods for the assembly line balancing problem with hierarchical worker assignment. <i>International Journal of Production Research</i> , 1-19	7.8	3
24	Models and algorithms for fair layout optimization problems. <i>Annals of Operations Research</i> , <b>2010</b> , 179, 5-14	3.2	2
23	Reactive GRASP-Based Algorithm for Pallet Building Problem with Visibility and Contiguity Constraints. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 651-665	0.9	2
22	The double traveling salesman problem with partial last-in-first-out loading constraints. <i>International Transactions in Operational Research</i> , <b>2020</b> ,	2.9	2
21	Branch-and-Cut and Iterated Local Search for the Weighted k-Traveling Repairman Problem: An Application to the Maintenance of Speed Cameras. <i>Transportation Science</i> , <b>2021</b> , 55, 139-159	4.4	2
20	Scheduling of Parallel Print Machines with Sequence-Dependent Setup Costs: A Real-World Case Study. <i>IFIP Advances in Information and Communication Technology</i> , <b>2021</b> , 637-645	0.5	2
19	Scheduling cleaning activities on trains by minimizing idle times. <i>Journal of Scheduling</i> , <b>2017</b> , 20, 493-506	1.6	1
18	Bin Packing Problem With General Precedence Constraints. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 2027-2029	0.7	1
17	Rejoinder on: Routing problems with loading constraints. <i>Top</i> , <b>2010</b> , 18, 41-42	1.3	1
16	Knapsack problems [An overview of recent advances, Part I: Single knapsack problems. <i>Computers and Operations Research</i> , <b>2022</b> , 105692	4.6	1
15	Successful implementation of discrete event simulation: integrating design thinking and simulation approach in an emergency department. <i>Production Planning and Control</i> , 1-15	4.3	1
14	An Improved Arcflow Model for the Skiving Stock Problem. <i>Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR</i> , <b>2019</b> , 135-141	0.1	1
13	Facing Implementation Barriers to Healthcare Simulation Studies. <i>Springer Proceedings in Mathematics and Statistics</i> , <b>2020</b> , 117-129	0.2	1
12	A Variable Neighborhood Heuristic for Facility Locations in Fog Computing. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 28-42	0.9	1
11	New Exact Techniques Applied to a Class of Network Flow Formulations. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 178-192	0.9	1
10	Integrated Workforce Scheduling and Flexible Flow Shop Problem in the Meat Industry. <i>IFIP Advances in Information and Communication Technology</i> , <b>2021</b> , 594-602	0.5	1
9	A Mixed Approach for Pallet Building Problem with Practical Constraints. <i>Lecture Notes in Business Information Processing</i> , <b>2021</b> , 122-139	0.6	1

8	Solution of minimum spanning forest problems with reliability constraints. <i>Computers and Industrial Engineering</i> , <b>2020</b> , 142, 106365	6.4	o
7	A Decision Support System for Attended Home Services. <i>Interfaces</i> , <b>2020</b> , 50, 137-152	0.7	o
6	A Decision Support System for Highway Construction: The Autostrada Pedemontana Lombarda. <i>Interfaces</i> , <b>2016</b> , 46, 245-263	0.7	o
5	Exact solution of network flow models with strong relaxations. <i>Mathematical Programming</i> , 1	2.1	o
4	A note on exact and heuristic algorithms for the identical parallel machine scheduling problem. <i>Journal of Heuristics</i> , <b>2012</b> , 18, 939-942	1.9	
3	Mathematical models and heuristic algorithms for pallet building problems with practical constraints. <i>Annals of Operations Research</i> , 1	3.2	
2	Integer Linear Programming for the Tutor Allocation Problem: A practical case in a British University. <i>Expert Systems With Applications</i> , <b>2022</b> , 187, 115967	7.8	
1	Scheduling of Patients in Emergency Departments with a Variable Neighborhood Search. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 138-151	0.9	