Manuel Iori

List of Publications by Year in Descending Order

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	Knapsack problems - An overview of recent advances. Part II: Multiple, multidimensional, and quadratic knapsack problems. *Computers and Operations Research*, **2022**, 105693	4.6	3
96	Knapsack problems An overview of recent advances, Part I: Single knapsack problems. *Computers and Operations Research*, **2022**, 105692	4.6	1
95	Integer Linear Programming for the Tutor Allocation Problem: A practical case in a British University. *Expert Systems With Applications*, **2022**, 187, 115967	7.8	
94	Arc flow formulations based on dynamic programming: Theoretical foundations and applications. *European Journal of Operational Research*, **2022**, 296, 3-21	5.6	6
93	Exact solution techniques for two-dimensional cutting and packing. *European Journal of Operational Research*, **2021**, 289, 399-415	5.6	25
92	Branch-and-Cut and Iterated Local Search for the Weighted k-Traveling Repairman Problem: An Application to the Maintenance of Speed Cameras. *Transportation Science*, **2021**, 55, 139-159	4.4	2
91	Mathematical formulations for scheduling jobs on identical parallel machines with family setup times and total weighted completion time minimization. *European Journal of Operational Research*, **2021**, 289, 825-840	5.6	10
90	A Variable Neighborhood Heuristic for Facility Locations in Fog Computing. *Lecture Notes in Computer Science*, **2021**, 28-42	0.9	1
89	Scheduling of Parallel Print Machines with Sequence-Dependent Setup Costs: A Real-World Case Study. *IFIP Advances in Information and Communication Technology*, **2021**, 637-645	0.5	2
88	Scheduling of Patients in Emergency Departments with a Variable Neighborhood Search. *Lecture Notes in Computer Science*, **2021**, 138-151	0.9	
87	New Exact Techniques Applied to a Class of Network Flow Formulations. *Lecture Notes in Computer Science*, **2021**, 178-192	0.9	1
86	Integrated Workforce Scheduling and Flexible Flow Shop Problem in the Meat Industry. *IFIP Advances in Information and Communication Technology*, **2021**, 594-602	0.5	1
85	Combinatorial Benders Decomposition for the Two-Dimensional Bin Packing Problem. *INFORMS Journal on Computing*, **2021**, 33, 963-978	2.4	4
84	Solution methods for scheduling problems with sequence-dependent deterioration and maintenance events. *European Journal of Operational Research*, **2021**, 295, 823-837	5.6	6
83	A Mixed Approach for Pallet Building Problem with Practical Constraints. *Lecture Notes in Business Information Processing*, **2021**, 122-139	0.6	1
82	Scheduling jobs with release dates on identical parallel machines by minimizing the total weighted completion time. *Computers and Operations Research*, **2020**, 123, 105018	4.6	4
81	Solution of minimum spanning forest problems with reliability constraints. *Computers and Industrial Engineering*, **2020**, 142, 106365	6.4	0

80	A Decision Support System for Attended Home Services. *Interfaces*, **2020**, 50, 137-152	0.7	0
79	Solution of a Practical Pallet Building Problem with Visibility and Contiguity Constraints **2020**,		3
78	Reactive GRASP-Based Algorithm for Pallet Building Problem with Visibility and Contiguity Constraints. *Lecture Notes in Computer Science*, **2020**, 651-665	0.9	2
77	The double traveling salesman problem with partial last-in-first-out loading constraints. *International Transactions in Operational Research*, **2020**,	2.9	2
76	A branch-and-price algorithm for the temporal bin packing problem. *Computers and Operations Research*, **2020**, 114, 104825	4.6	18
75	Enhanced Pseudo-polynomial Formulations for Bin Packing and Cutting Stock Problems. *INFORMS Journal on Computing*, **2020**, 32, 101-119	2.4	21
74	Facing Implementation Barriers to Healthcare Simulation Studies. *Springer Proceedings in Mathematics and Statistics*, **2020**, 117-129	0.2	1
73	Personnel scheduling during Covid-19 pandemic. *Optimization Letters*, **2020**, 15, 1-12	1.1	11
72	The Static Bike Sharing Rebalancing Problem with Forbidden Temporary Operations. *Transportation Science*, **2019**, 53, 882-896	4.4	18
71	Novel formulations and modeling enhancements for the dynamic berth allocation problem. *European Journal of Operational Research*, **2019**, 278, 170-185	5.6	16
70	Rich vehicle routing with auxiliary depots and anticipated deliveries: An application to pharmaceutical distribution. *Transportation Research, Part E: Logistics and Transportation Review*, **2019**, 129, 162-174	9	11
69	Computational Simulation as an Organizational Prototyping Tool. *Proceedings of the Design Society International Conference on Engineering Design*, **2019**, 1, 1105-1114	0.7	3
68	Mathematical Models and Search Algorithms for the Capacitated p-Center Problem. *INFORMS Journal on Computing*, **2019**,	2.4	3
67	An Improved Arcflow Model for the Skiving Stock Problem. *Operations Research Proceedings: Papers of the Annual Meeting = Vortr□ge Der Jahrestagung / DGOR*, **2019**, 135-141	0.1	1
66	Enhanced arc-flow formulations to minimize weighted completion time on identical parallel machines. *European Journal of Operational Research*, **2019**, 275, 67-79	5.6	13
65	Mathematical models and decomposition methods for the multiple knapsack problem. *European Journal of Operational Research*, **2019**, 274, 886-899	5.6	19
64	A practical time slot management and routing problem for attended home services. *Omega*, **2018**, 81, 208-219	7.2	12
63	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. *Journal of the Operational Research Society*, **2018**, 69, 326-339	2	8

62	BPPLIB: a library for bin packing and cutting stock problems. *Optimization Letters*, **2018**, 12, 235-250	1.1	21
61	Exact and heuristic algorithms for the interval min-max regret generalized assignment problem. *Computers and Industrial Engineering*, **2018**, 125, 98-110	6.4	10
60	The Bike sharing Rebalancing Problem with Stochastic Demands. *Transportation Research Part B: Methodological*, **2018**, 118, 362-380	7.2	54
59	The Meet-in-the-Middle Principle for Cutting and Packing Problems. *INFORMS Journal on Computing* , **2018**, 30, 646-661	2.4	24
58	Mathematical models for multicontainer loading problems. *Omega*, **2017**, 66, 106-117	7.2	28
57	Scheduling cleaning activities on trains by minimizing idle times. *Journal of Scheduling*, **2017**, 20, 493-506	1.6	1
56	Minimizing CO2 emissions in a practical daily carpooling problem. *Computers and Operations Research*, **2017**, 81, 40-50	4.6	34
55	Non-Elementary Formulations for Single Vehicle Routing Problems with Pickups and Deliveries. *Operations Research*, **2017**, 65, 1597-1614	2.3	17
54	A batching-move iterated local search algorithm for the bin packing problem with generalized precedence constraints. *International Journal of Production Research*, **2017**, 55, 6288-6304	7.8	7
53	Training software for orthogonal packing problems. *Computers and Industrial Engineering*, **2017**, 111, 139-147	6.4	3
52	Logic based Bendersadecomposition for orthogonal stock cutting problems. *Computers and Operations Research*, **2017**, 78, 290-298	4.6	29
51	A heuristic algorithm for a single vehicle static bike sharing rebalancing problem. *Computers and Operations Research*, **2017**, 79, 19-33	4.6	74
50	A destroy and repair algorithm for the Bike sharing Rebalancing Problem. *Computers and Operations Research*, **2016**, 71, 149-162	4.6	80
49	An analysis of drivers route choice behaviour using GPS data and optimal alternatives. *Journal of Transport Geography*, **2016**, 51, 119-129	5.2	32
48	Bin packing and cutting stock problems: Mathematical models and exact algorithms. *European Journal of Operational Research*, **2016**, 255, 1-20	5.6	151
47	A Decision Support System for Highway Construction: The Autostrada Pedemontana Lombarda. *Interfaces*, **2016**, 46, 245-263	0.7	0
46	An Adaptive Iterated Local Search for the Mixed Capacitated General Routing Problem. *Transportation Science*, **2016**, 50, 1223-1238	4.4	17
45	Two-Phase Earthwork Optimization Model for Highway Construction. *Journal of Construction Engineering and Management - ASCE*, **2015**, 141, 05015003	4.2	9

44	Optimization of a Real-World Auto-Carrier Transportation Problem. *Transportation Science*, **2015**, 49, 402-419	4.4	13
43	Exact algorithms for the double vehicle routing problem with multiple stacks. *Computers and Operations Research*, **2015**, 63, 83-101	4.6	27
42	Heuristic and Exact Algorithms for the Interval Min-Max Regret Knapsack Problem. *INFORMS Journal on Computing*, **2015**, 27, 392-405	2.4	23
41	A rolling horizon algorithm for auto-carrier transportation. *Transportation Research Part B: Methodological*, **2015**, 76, 68-80	7.2	19
40	Bin Packing Problem With General Precedence Constraints. *IFAC-PapersOnLine*, **2015**, 48, 2027-2029	0.7	1
39	Friendly bin packing instances without Integer Round-up Property. *Mathematical Programming*, **2015**, 150, 5-17	2.1	21
38	The bike sharing rebalancing problem: Mathematical formulations and benchmark instances. *Omega*, **2014**, 45, 7-19	7.2	177
37	Chapter 6: Pickup-and-Delivery Problems for Goods Transportation **2014**, 161-191		40
36	Combinatorial BendersaCuts for the Strip Packing Problem. *Operations Research*, **2014**, 62, 643-661	2.3	54
35	Lower and upper bounds for the Bin Packing Problem with Fragile Objects. *Discrete Applied Mathematics*, **2014**, 163, 73-86	1	4
34	Optimal design of fair layouts. *Flexible Services and Manufacturing Journal*, **2013**, 25, 443-461	1.8	3
33	Exact algorithms for the bin packing problem with fragile objects. *Discrete Optimization*, **2013**, 10, 210-223	1	8
32	A Branch-and-Cut Algorithm for the Double Traveling Salesman Problem with Multiple Stacks. *INFORMS Journal on Computing*, **2013**, 25, 41-55	2.4	27
31	An annotated bibliography of combined routing and loading problems. *Yugoslav Journal of Operations Research*, **2013**, 23, 311-326	0.9	24
30	A note on exact and heuristic algorithms for the identical parallel machine scheduling problem. *Journal of Heuristics*, **2012**, 18, 939-942	1.9	
29	The Bin Packing Problem with Precedence Constraints. *Operations Research*, **2012**, 60, 1491-1504	2.3	22
28	Heuristic and exact algorithms for the multi-pile vehicle routing problem. *OR Spectrum*, **2011**, 33, 931-959	1.9	35
27	Algorithms for the Bin Packing Problem with Conflicts. *INFORMS Journal on Computing*, **2010**, 22, 401-415	2.4	59

26	Metaheuristics for vehicle routing problems with three-dimensional loading constraints. *European Journal of Operational Research*, **2010**, 201, 751-759	5.6	109
25	Models and algorithms for fair layout optimization problems. *Annals of Operations Research*, **2010**, 179, 5-14	3.2	2
24	Rejoinder on: Routing problems with loading constraints. *Top*, **2010**, 18, 41-42	1.3	1
23	Routing problems with loading constraints. *Top*, **2010**, 18, 4-27	1.3	144
22	A branch-and-cut algorithm for the pickup and delivery traveling salesman problem with LIFO loading. *Networks*, **2010**, 55, 46-59	1.6	55
21	An aggregate label setting policy for the multi-objective shortest path problem. *European Journal of Operational Research*, **2010**, 207, 1489-1496	5.6	21
20	Branch-and-cut for the pickup and delivery traveling salesman problem with FIFO loading. *Computers and Operations Research*, **2010**, 37, 970-980	4.6	21
19	The single-finger keyboard layout problem. *Computers and Operations Research*, **2009**, 36, 3002-3012	4.6	21
18	Ant colony optimization for the two-dimensional loading vehicle routing problem. *Computers and Operations Research*, **2009**, 36, 655-673	4.6	145
17	Heuristic and Exact Algorithms for the Identical Parallel Machine Scheduling Problem. *INFORMS Journal on Computing*, **2008**, 20, 333-344	2.4	35
16	A Tabu search heuristic for the vehicle routing problem with two-dimensional loading constraints. *Networks*, **2008**, 51, 4-18	1.6	141
15	Shortest paths in piecewise continuous time-dependent networks. *Operations Research Letters*, **2008**, 36, 688-691	1	17
14	Scatter Search Algorithms for Identical Parallel Machine Scheduling Problems. *Studies in Computational Intelligence*, **2008**, 41-59	0.8	4
13	Metaheuristics for the vehicle routing problem with loading constraints. *Networks*, **2007**, 49, 294-307	1.6	52
12	A hybrid genetic algorithm for the two-dimensional single large object placement problem. *European Journal of Operational Research*, **2007**, 183, 1150-1166	5.6	25
11	An Exact Approach for the Vehicle Routing Problem with Two-Dimensional Loading Constraints. *Transportation Science*, **2007**, 41, 253-264	4.4	196
10	A Tabu Search Algorithm for a Routing and Container Loading Problem. *Transportation Science*, **2006**, 40, 342-350	4.4	185
9	Lower bounds and heuristic algorithms for the ki-partitioning problem. *European Journal of Operational Research*, **2006**, 171, 725-742	5.6	7

8	Metaheuristic algorithms for combinatorial optimization problems. *4or*, **2005**, 3, 163-166	1.4	14
7	Heuristic Algorithms and Scatter Search for the Cardinality Constrained P||Cmax Problem. *Journal of Heuristics*, **2004**, 10, 169-204	1.9	13
6	Metaheuristic Algorithms for the Strip Packing Problem. *Applied Optimization*, **2003**, 159-179		26
5	Successful implementation of discrete event simulation: integrating design thinking and simulation approach in an emergency department. *Production Planning and Control*,1-15	4.3	1
4	Mathematical models and heuristic algorithms for pallet building problems with practical constraints. *Annals of Operations Research*,1	3.2	
3	2DPackLib: a two-dimensional cutting and packing library. *Optimization Letters*,1	1.1	3
2	Mathematical models and heuristic methods for the assembly line balancing problem with hierarchical worker assignment. *International Journal of Production Research*,1-19	7.8	3
1	Exact solution of network flow models with strong relaxations. *Mathematical Programming*,1	2.1	0