Federico Della Croce Di Dojola

List of Publications by Year in Descending Order

106 papers	1,641 citations	22 h-index	37 g-index
107 ext. papers	1,848 ext. citations	2.7 avg, IF	4.82 L-index

#	Paper	IF	Citations
106	Exact solution of the two-machine flow shop problem with three operations. *Computers and Operations Research*, **2022**, 138, 105595	4.6	0
105	Improved solution of the Budget constrained Fuel Treatment Scheduling problem and extensions. *Computers and Industrial Engineering*, **2022**, 168, 108139	6.4	
104	Heuristic solution methods for the selective disassembly sequencing problem under sequence-dependent costs. *Computers and Operations Research*, **2021**, 127, 105151	4.6	1
103	Branch & Memorize exact algorithms for sequencing problems: Efficient embedding of memorization into search trees. *Computers and Operations Research*, **2021**, 128, 105171	4.6	1
102	Parallel machine scheduling with minimum number of tardy jobs: Approximation and exponential algorithms. *Applied Mathematics and Computation*, **2021**, 397, 125888	2.7	0
101	Minimizing total completion time in the two-machine no-idle no-wait flow shop problem. *Journal of Heuristics*, **2021**, 27, 159-173	1.9	7
100	An improved heuristic approach for the interval immune transportation problem. *Omega*, **2021**, 104, 102492	7.2	0
99	An exact approach for the bilevel knapsack problem with interdiction constraints and extensions. *Mathematical Programming*, **2020**, 183, 249-281	2.1	2
98	On fairness and diversification in WTA and ATP tennis tournaments generation. *Annals of Operations Research*, **2020**, 1	3.2	2
97	Exponential time algorithms for just-in-time scheduling problems with common due date and symmetric weights. *Journal of Combinatorial Optimization*, **2020**, 39, 764-775	0.9	3
96	The Longest Processing Time rule for identical parallel machines revisited. *Journal of Scheduling*, **2020**, 23, 163-176	1.6	10
95	On approximating the Incremental Knapsack Problem. *Discrete Applied Mathematics*, **2019**, 264, 26-42	1	3
94	A tight linear time (frac{13}{12})-approximation algorithm for the (P2 || C_{max }) problem. *Journal of Combinatorial Optimization*, **2019**, 38, 608-617	0.9	1
93	No-idle, no-wait: when shop scheduling meets dominoes, Eulerian paths and Hamiltonian paths. *Journal of Scheduling*, **2019**, 22, 59-68	1.6	10
92	Lower Bounds and a New Exact Approach for the Bilevel Knapsack with Interdiction Constraints. *Lecture Notes in Computer Science*, **2019**, 155-167	0.9	2
91	Heuristic Solution Methods for the Selective Disassembly Sequencing Problem under Sequence-Dependent Costs. *IFAC-PapersOnLine*, **2019**, 52, 1908-1913	0.7	2
90	New exact approaches and approximation results for the Penalized Knapsack Problem. *Discrete Applied Mathematics*, **2019**, 253, 122-135	1	5

89	Approximation Results for the Incremental Knapsack Problem. *Lecture Notes in Computer Science*, **2018**, 75-87	0.9	2
88	Approximating the 3-period Incremental Knapsack Problem. *Journal of Discrete Algorithms*, **2018**, 52-53, 55-69		3
87	An exact exponential branch-and-merge algorithm for the single machine total tardiness problem. *Theoretical Computer Science*, **2018**, 745, 133-149	1.1	4
86	A new exact approach for the 0-1 Collapsing Knapsack Problem. *European Journal of Operational Research*, **2017**, 260, 56-69	5.6	6
85	Heuristic approaches for a domestic energy management system. *Computers and Industrial Engineering*, **2017**, 109, 169-178	6.4	7
84	A constraint generation approach for two-machine shop problems with jobs selection. *European Journal of Operational Research*, **2017**, 259, 898-905	5.6	7
83	An exact approach for the 0-1 knapsack problem with setups. *Computers and Operations Research*, **2017**, 80, 61-67	4.6	22
82	An exact semidefinite programming approach for the max-mean dispersion problem. *Journal of Combinatorial Optimization*, **2017**, 34, 71-93	0.9	4
81	Minimizing the number of tardy jobs in two-machine settings with common due date. *Journal of Combinatorial Optimization*, **2017**, 34, 133-140	0.9	
80	MP or not MP: that is the question. *Journal of Scheduling*, **2016**, 19, 33-42	1.6	3
79	A hybrid three-phase approach for the Max-Mean Dispersion Problem. *Computers and Operations Research*, **2016**, 71, 16-22	4.6	13
78	Erratum-One Machine Sequencing to Minimize Total Tardiness: A Fourth Theorem for Emmons. *Operations Research*, **2015**, 63, 351-352	2.3	
77	A single machine scheduling problem with two-dimensional vector packing constraints. *European Journal of Operational Research*, **2015**, 243, 75-81	5.6	13
76	On the max min vertex cover problem. *Discrete Applied Mathematics*, **2015**, 196, 62-71	1	17
75	Personnel Rostering Management by ICT Techniques **2015**, 816-832		
74	On the max min vertex cover Problem. *Lecture Notes in Computer Science*, **2014**, 37-48	0.9	5
73	Efficient algorithms for the max (k) -vertex cover problem. *Journal of Combinatorial Optimization*, **2014**, 28, 674-691	0.9	3
72	A matheuristic approach for the two-machine total completion time flow shop problem. *Annals of Operations Research*, **2014**, 213, 67-78	3.2	19

71	The RedBlue transportation problem. *European Journal of Operational Research*, **2014**, 237, 814-823	5.6	16
70	Reoptimization in machine scheduling. *Theoretical Computer Science*, **2014**, 540-541, 13-26	1.1	6
69	A hybrid heuristic approach for single machine scheduling with release times. *Computers and Operations Research*, **2014**, 45, 7-11	4.6	12
68	A variable neighborhood search based matheuristic for nurse rostering problems. *Annals of Operations Research*, **2014**, 218, 185-199	3.2	36
67	The Selective Fixing Algorithm for the closest string problem. *Computers and Operations Research*, **2014**, 41, 24-30	4.6	4
66	A Hybrid Heuristic Approach Based on a Quadratic Knapsack Formulation for the Max-Mean Dispersion Problem. *Lecture Notes in Computer Science*, **2014**, 186-197	0.9	3
65	A Constraint Generation Approach for the Two-Machine Flow Shop Problem with Jobs Selection. *Lecture Notes in Computer Science*, **2014**, 198-207	0.9	1
64	A Hybrid Heuristic Approach Based on a Quadratic Knapsack Formulation for the Max-Mean Dispersion Problem. *Lecture Notes in Computer Science*, **2014**, 186-197	0.9	1
63	A Constraint Generation Approach for the Two-Machine Flow Shop Problem with Jobs Selection. *Lecture Notes in Computer Science*, **2014**, 198-207	0.9	
62	Fast algorithms for min independent dominating set. *Discrete Applied Mathematics*, **2013**, 161, 558-572	1	25
61	Systematic numerical investigation of the role of hierarchy in heterogeneous bio-inspired materials. *Journal of the Mechanical Behavior of Biomedical Materials*, **2013**, 19, 34-42	4.1	4
60	Personnel Rostering Management by ICT Techniques **2013**, 855-871		
59	Iterated local search and very large neighborhoods for the parallel-machines total tardiness problem. *Computers and Operations Research*, **2012**, 39, 1213-1217	4.6	12
58	Improving an exact approach for solving separable integer quadratic knapsack problems. *Journal of Combinatorial Optimization*, **2012**, 23, 21-28	0.9	1
57	Improved LP-based algorithms for the closest string problem. *Computers and Operations Research*, **2012**, 39, 746-749	4.6	9
56	A note on minimizing the sum of quadratic completion times on two identical parallel machines. *Information Processing Letters*, **2012**, 112, 738-742	0.8	2
55	A note on two-machine flow-shop scheduling with rejection and its link with flow-shop scheduling and common due date assignment. *Computers and Operations Research*, **2012**, 39, 3244-3246	4.6	6
54	Algorithms for dominating clique problems. *Theoretical Computer Science*, **2012**, 459, 77-88	1.1	1

53	Improved core problem based heuristics for the 0/1 multi-dimensional knapsack problem. *Computers and Operations Research*, **2012**, 39, 27-31	4.6	17
52	Efficient Algorithms for the max k-vertex cover Problem. *Lecture Notes in Computer Science*, **2012**, 295-309	0.9	
51	Discrete-time, economic lot scheduling problem on multiple, non-identical production lines. *European Journal of Operational Research*, **2011**, 215, 89-96	5.6	6
50	A Matheuristic Approach for the Total Completion Time Two-Machines Permutation Flow Shop Problem. *Lecture Notes in Computer Science*, **2011**, 38-47	0.9	9
49	Computational experience with a core-based reduction procedure for the 2-knapsack problem. *Computers and Operations Research*, **2011**, 38, 514-516	4.6	2
48	A note on Beam search heuristics for the single machine early/tardy scheduling problem with no machine idle time *Computers and Industrial Engineering*, **2011**, 60, 183-186	6.4	1
47	Sequencing a single machine with due dates and deadlines: an ILP-based approach to solve very large instances. *Journal of Scheduling*, **2010**, 13, 39-47	1.6	17
46	Improving the preemptive bound for the single machine dynamic maximum lateness problem. *Operations Research Letters*, **2010**, 38, 589-591	1	2
45	Probabilistic graph-coloring in bipartite and split graphs. *Journal of Combinatorial Optimization*, **2009**, 17, 274-311	0.9	6
44	A heuristic approach for the max-min diversity problem based on max-clique. *Computers and Operations Research*, **2009**, 36, 2429-2433	4.6	28
43	Approximation algorithms for the 2-peripatetic salesman problem with edge weights 1 and 2. *Discrete Applied Mathematics*, **2009**, 157, 1988-1992	1	15
42	Exact Algorithms for Dominating Clique Problems. *Lecture Notes in Computer Science*, **2009**, 4-13	0.9	3
41	Exploiting dominance conditions for computing non trivial worst-case complexity for bounded combinatorial optimization problems. *Operational Research*, **2008**, 8, 235-256	1.6	
40	Complexity of single machine scheduling problems under scenario-based uncertainty. *Operations Research Letters*, **2008**, 36, 338-342	1	48
39	Improved worst-case complexity for the MIN 3-SET COVERING problem. *Operations Research Letters*, **2007**, 35, 205-210	1	1
38	An exact algorithm for MAX-CUT in sparse graphs. *Operations Research Letters*, **2007**, 35, 403-408	1	9
37	Enumeration of Pareto Optima for a Flowshop Scheduling Problem with Two Criteria. *INFORMS Journal on Computing*, **2007**, 19, 64-72	2.4	16
36	Scheduling the Italian Football League: an ILP-based approach. *Computers and Operations Research*, **2006**, 33, 1963-1974	4.6	44

35	A maximum node clustering problem. *Journal of Combinatorial Optimization*, **2006**, 11, 373	0.9	
34	Computing Optimal Solutions for the min 3-set covering Problem. *Lecture Notes in Computer Science*, **2005**, 685-692	0.9	
33	Recovering Beam Search: Enhancing the Beam Search Approach for Combinatorial Optimization Problems. *Journal of Heuristics*, **2004**, 10, 89-104	1.9	34
32	Combining Swaps and Node Weights in an Adaptive Greedy Approach for the Maximum Clique Problem. *Journal of Heuristics*, **2004**, 10, 135-152	1.9	23
31	Lower Bounds on the Approximation Ratios of Leading Heuristics for the Single-Machine Total Tardiness Problem. *Journal of Scheduling*, **2004**, 7, 85-91	1.6	11
30	Revisiting Branch and Bound Search Strategies for Machine Scheduling Problems. *Journal of Scheduling*, **2004**, 7, 429-440	1.6	16
29	A greedy-based neighborhood search approach to a nurse rostering problem. *European Journal of Operational Research*, **2004**, 153, 28-40	5.6	59
28	An enhanced dynasearch neighborhood for the single-machine total weighted tardiness scheduling problem. *Operations Research Letters*, **2004**, 32, 68-72	1	61
27	On the impact of the solution representation for the Internet Protocol Network Design Problem with max-hop constraints. *Networks*, **2004**, 44, 73-83	1.6	6
26	Solving the Hub location problem in telecommunication network design: A local search approach. *Networks*, **2004**, 44, 94-105	1.6	50
25	Improving the preemptive bound for the one-machine dynamic total completion time scheduling problem. *Operations Research Letters*, **2003**, 31, 142-148	1	14
24	Finding the Pareto-optima for the total and maximum tardiness single machine problem. *Discrete Applied Mathematics*, **2002**, 124, 117-126	1	18
23	An improved branch-and-bound algorithm for the two machine total completion time flow shop problem. *European Journal of Operational Research*, **2002**, 139, 293-301	5.6	79
22	A Recovering Beam Search algorithm for the one-machine dynamic total completion time scheduling problem. *Journal of the Operational Research Society*, **2002**, 53, 1275-1280	2	48
21	Optimal idle time insertion in early-tardy parallel machines scheduling with precedence constraints. *Production Planning and Control*, **2002**, 13, 133-142	4.3	9
20	A Heuristic Algorithm for the Auto-Carrier Transportation Problem. *Transportation Science*, **2002**, 36, 55-62	4.4	24
19	Algorithmic paradoxes of the single-machine total tardiness problem. *Journal of Scheduling*, **2001**, 4, 93-104	1.6	34
18	Minimizing tardy jobs in a flowshop with common due date. *European Journal of Operational Research*, **2000**, 120, 375-381	5.6	38

17	An improved general procedure for lexicographic bottleneck problems. *Operations Research Letters* , **1999**, 24, 187-194	1	23
16	Scheduling a round robin tennis tournamentunder courts and players availability constraints. *Annals of Operations Research*, **1999**, 92, 349-361	3.2	21
15	Solution of the single machine total tardiness problem. *Journal of Scheduling*, **1999**, 2, 55-71	1.6	35
14	A Scheduling Prototype for Factory Automation: Matching OR Methodologies to Actual Industrial Needs **1999**, 183-198		
13	Minimising makespan in the two-machine flow-shop with release times. *Journal of the Operational Research Society*, **1998**, 49, 77-85	2	22
12	A new decomposition approach for the single machine total tardiness scheduling problem. *Journal of the Operational Research Society*, **1998**, 49, 1101-1106	2	18
11	The two-machine total completion time flow shop problem. *European Journal of Operational Research*, **1996**, 90, 227-237	5.6	110
10	Some thoughts on combinatorial optimisation. *European Journal of Operational Research*, **1995**, 83, 253-270	5.6	14
9	Generalized pairwise interchanges and machine scheduling. *European Journal of Operational Research*, **1995**, 83, 310-319	5.6	30
8	Aggregate planning and scheduling in the food industry: A case study. *European Journal of Operational Research*, **1995**, 87, 564-573	5.6	29
7	A genetic algorithm for the job shop problem. *Computers and Operations Research*, **1995**, 22, 15-24	4.6	252
6	Advanced search techniques for the job shop problem : a comparison. *RAIRO - Operations Research*, **1995**, 29, 179-194	2.2	3
5	A multi-KP modeling for the maximum-clique problem. *European Journal of Operational Research*, **1994**, 73, 555-561	5.6	12
4	Cellular control of manufacturing systems. *European Journal of Operational Research*, **1993**, 69, 498-509	5.6	8
3	A Maximum Node Clustering Problem145-160		
2	The Complexity of Single Machine Scheduling Problems under Scenario-based Uncertainty23-35		
1	Worst-case Complexity of Exact Algorithms forNP-hard Problems203-240		