Federico Della Croce Di Dojola

List of Publications by Year
in descending order

103	2,067	257429	265191
papers	citations	24 h-index	42 g-index

107	107	107	1327
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A genetic algorithm for the job shop problem. Computers and Operations Research, 1995, 22, 15-24.	4.0	321
2	The two-machine total completion time flow shop problem. European Journal of Operational Research, 1996, 90, 227-237.	5.7	123
3	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.	5.7	85
4	A greedy-based neighborhood search approach to a nurse rostering problem. European Journal of Operational Research, 2004, 153, 28-40.	5.7	77
5	An enhanced dynasearch neighborhood for the single-machine total weighted tardiness scheduling problem. Operations Research Letters, 2004, 32, 68-72.	0.7	71
6	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.	3.4	69
7	Complexity of single machine scheduling problems under scenario-based uncertainty. Operations Research Letters, 2008, 36, 338-342.	0.7	64
8	Scheduling the Italian Football League: an ILP-based approach. Computers and Operations Research, 2006, 33, 1963-1974.	4.0	63
9	Solving the Hub location problem in telecommunication network design: A local search approach. Networks, 2004, 44, 94-105.	2.7	62
10	A variable neighborhood search based matheuristic for nurse rostering problems. Annals of Operations Research, 2014, 218, 185-199.	4.1	44
11	Minimizing tardy jobs in a flowshop with common due date. European Journal of Operational Research, 2000, 120, 375-381.	5.7	43
12	Solution of the single machine total tardiness problem. Journal of Scheduling, 1999, 2, 55-71.	1.9	41
13	Algorithmic paradoxes of the single-machine total tardiness problem. Journal of Scheduling, 2001, 4, 93-104.	1.9	39
14	Recovering Beam Search: Enhancing the Beam Search Approach for Combinatorial Optimization Problems. Journal of Heuristics, 2004, 10, 89-104.	1.4	36
15	A Heuristic Algorithm for the Auto-Carrier Transportation Problem. Transportation Science, 2002, 36, 55-62.	4.4	35
16	Generalized pairwise interchanges and machine scheduling. European Journal of Operational Research, 1995, 83, 310-319.	5.7	34
17	Aggregate planning and scheduling in the food industry: A case study. European Journal of Operational Research, 1995, 87, 564-573.	5.7	32
18	An exact approach for the 0â€“1 knapsack problem with setups. Computers and Operations Research, 2017, 80, 61-67.	4.0	32

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19	A heuristic approach for the maxâ€“min diversity problem based on max-clique. Computers and Operations Research, 2009, 36, 2429-2433.	4.0	31
20	Scheduling a round robin tennis tournamentunder courts and players availability constraints. Annals of Operations Research, 1999, 92, 349-361.	4.1	30
21	Combining Swaps and Node Weights in an Adaptive Greedy Approach for the Maximum Clique Problem. Journal of Heuristics, 2004, 10, 135-152.	1.4	30
22	Fast algorithms for min independent dominating set. Discrete Applied Mathematics, 2013, 161, 558-572.	0.9	28
23	Minimising makespan in the two-machine flow-shop with release times. Journal of the Operational Research Society, 1998, 49, 77-85.	3.4	27
24	A new decomposition approach for the single machine total tardiness scheduling problem. Journal of the Operational Research Society, 1998, 49, 1101-1106.	3.4	26
25	An improved general procedure for lexicographic bottleneck problems. Operations Research Letters, 1999, 24, 187-194.	0.7	25
26	On the max min vertex cover problem. Discrete Applied Mathematics, 2015, 196, 62-71.	0.9	24
27	A matheuristic approach for the two-machine total completion time flow shop problem. Annals of Operations Research, 2014, 213, 67-78.	4.1	23
28	Improved core problem based heuristics for the 0/1 multi-dimensional knapsack problem. Computers and Operations Research, 2012, 39, 27-31.	4.0	22
29	The Redâ€“Blue transportation problem. European Journal of Operational Research, 2014, 237, 814-823.	5.7	22
30	Finding the Pareto-optima for the total and maximum tardiness single machine problem. Discrete Applied Mathematics, 2002, 124, 117-126.	0.9	21
31	The Longest Processing Time rule for identical parallel machines revisited. Journal of Scheduling, 2020, 23, 163-176.	1.9	21
32	A multi-KP modeling for the maximum-clique problem. European Journal of Operational Research, 1994, 73, 555-561.	5.7	20
33	Sequencing a single machine with due dates and deadlines: anÂILP-based approach to solve very large instances. Journal of Scheduling, 2010, 13, 39-47.	1.9	20
34	Some thoughts on combinatorial optimisation. European Journal of Operational Research, 1995, 83, 253-270.	5.7	17
35	Enumeration of Pareto Optima for a Flowshop Scheduling Problem with Two Criteria. INFORMS Journal on Computing, 2007, 19, 64-72.	1.7	17
36	Approximation algorithms for the 2-peripatetic salesman problem with edge weights 1 and 2. Discrete Applied Mathematics, 2009, 157, 1988-1992.	0.9	17

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37	Improving the preemptive bound for the one-machine dynamic total completion time scheduling problem. Operations Research Letters, 2003, 31, 142-148.	0.7	16
38	Revisiting Branch and Bound Search Strategies for Machine Scheduling Problems. Journal of Scheduling, 2004, 7, 429-440.	1.9	16
39	A single machine scheduling problem with two-dimensional vector packing constraints. European Journal of Operational Research, 2015, 243, 75-81.	5.7	16
40	A hybrid heuristic approach for single machine scheduling with release times. Computers and Operations Research, 2014, 45, 7-11.	4.0	15
41	A hybrid three-phase approach for the Max-Mean Dispersion Problem. Computers and Operations Research, 2016, 71, 16-22.	4.0	14
42	Cellular control of manufacturing systems. European Journal of Operational Research, 1993, 69, 498-509.	5.7	13
43	Iterated local search and very large neighborhoods for the parallel-machines total tardiness problem. Computers and Operations Research, 2012, 39, 1213-1217.	4.0	13
44	Lower Bounds on the Approximation Ratios of Leading Heuristics for the Single-Machine Total Tardiness Problem. Journal of Scheduling, 2004, 7, 85-91.	1.9	12
45	An exact algorithm for MAX-CUT in sparse graphs. Operations Research Letters, 2007, 35, 403-408.	0.7	12
46	No-idle, no-wait: when shop scheduling meets dominoes, Eulerian paths and Hamiltonian paths. Journal of Scheduling, 2019, 22, 59-68.	1.9	12
47	An exact approach for the bilevel knapsack problem with interdiction constraints and extensions. Mathematical Programming, 2020, 183, 249-281.	2.4	12
48	A Matheuristic Approach for the Total Completion Time Two-Machines Permutation Flow Shop Problem. Lecture Notes in Computer Science, 2011, , 38-47.	1.3	11
49	Optimal idle time insertion in early-tardy parallel machines scheduling with precedence constraints. Production Planning and Control, 2002, 13, 133-142.	8.8	10
50	Improved LP-based algorithms for the closest string problem. Computers and Operations Research, 2012, 39, 746-749.	4.0	10
51	Minimizing total completion time in the two-machine no-idle no-wait flow shop problem. Journal of Heuristics, 2021, 27, 159-173.	1.4	10
52	Heuristic approaches for a domestic energy management system. Computers and Industrial Engineering, 2017, 109, 169-178.	6.3	9
53	Exponential time algorithms for just-in-time scheduling problems with common due date and symmetric weights. Journal of Combinatorial Optimization, 2020, 39, 764-775.	1.3	9
54	A constraint generation approach for two-machine shop problems with jobs selection. European Journal of Operational Research, 2017, 259, 898-905.	5.7	8

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55	New exact approaches and approximation results for the Penalized Knapsack Problem. Discrete Applied Mathematics, 2019, 253, 122-135.	0.9	8
56	On the impact of the solution representation for the Internet Protocol Network Design Problem with max-hop constraints. Networks, 2004, 44, 73-83.	2.7	7
57	Probabilistic graph-coloring in bipartite and split graphs. Journal of Combinatorial Optimization, 2009, 17, 274-311.	1.3	7
58	Reoptimization in machine scheduling. Theoretical Computer Science, 2014, 540-541, 13-26.	0.9	7
59	An exact exponential branch-and-merge algorithm for the single machine total tardiness problem. Theoretical Computer Science, 2018, 745, 133-149.	0.9	7
60	Heuristic solution methods for the selective disassembly sequencing problem under sequence-dependent costs. Computers and Operations Research, 2021, 127, 105151.	4.0	7
61	Discrete-time, economic lot scheduling problem on multiple, non-identical production lines. European Journal of Operational Research, 2011, 215, 89-96.	5.7	6
62	A note on â€œTwo-machine flow-shop scheduling with rejectionâ€•and its link with flow-shop scheduling and common due date assignment. Computers and Operations Research, 2012, 39, 3244-3246.	4.0	6
63	The Selective Fixing Algorithm for the closest string problem. Computers and Operations Research, 2014, 41, 24-30.	4.0	6
64	On the max min vertex cover Problem. Lecture Notes in Computer Science, 2014, , 37-48.	1.3	6
65	A new exact approach for the 0â€“1 Collapsing Knapsack Problem. European Journal of Operational Research, 2017, 260, 56-69.	5.7	6
66	On approximating the Incremental Knapsack Problem. Discrete Applied Mathematics, 2019, 264, 26-42.	0.9	6
67	An exact semidefinite programming approach for the max-mean dispersion problem. Journal of Combinatorial Optimization, 2017, 34, 71-93.	1.3	5
68	On fairness and diversification in WTA and ATP tennis tournaments generation. Annals of Operations Research, 2022, 316, 1107-1119.	4.1	5
69	Improving the preemptive bound for the single machine dynamic maximum lateness problem. Operations Research Letters, 2010, 38, 589-591.	0.7	4
70	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.	3.1	4
71	Approximating the 3-period Incremental Knapsack Problem. Journal of Discrete Algorithms, 2018, 52-53, 55-69.	0.7	4
72	Heuristic Solution Methods for the Selective Disassembly Sequencing Problem under Sequence-Dependent Costs. IFAC-PapersOnLine, 2019, 52, 1908-1913.	0.9	4

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73	Parallel machine scheduling with minimum number of tardy jobs: Approximation and exponential algorithms. Applied Mathematics and Computation, 2021, 397, 125888.	2.2	4
74	Advanced search techniques for the job shop problem : a comparison. RAIRO - Operations Research, 1995, 29, 179-194.	1.8	4
75	Improved worst-case complexity for the MIN 3-SET COVERING problem. Operations Research Letters, 2007, 35, 205-210.	0.7	3
76	Computational experience with a core-based reduction procedure for the 2-knapsack problem. Computers and Operations Research, 2011, 38, 514-516.	4.0	3
77	Efficient algorithms for the maxÂ $$k$$ -vertex cover problem. Journal of Combinatorial Optimization, 2014, 28, 674-691.	1.3	3
78	MP or not MP: that is the question. Journal of Scheduling, 2016, 19, 33-42.	1.9	3
79	Branch & Memorize exact algorithms for sequencing problems: Efficient embedding of memorization into search trees. Computers and Operations Research, 2021, 128, 105171.	4.0	3
80	An improved heuristic approach for the interval immune transportation problem. Omega, 2021, 104, 102492.	5.9	3
81	A Hybrid Heuristic Approach Based on a Quadratic Knapsack Formulation for the Max-Mean Dispersion Problem. Lecture Notes in Computer Science, 2014, , 186-197.	1.3	3
82	Exact Algorithms for Dominating Clique Problems. Lecture Notes in Computer Science, 2009, , 4-13.	1.3	3
83	A note on minimizing the sum of quadratic completion times on two identical parallel machines. Information Processing Letters, 2012, 112, 738-742.	0.6	2
84	Algorithms for dominating clique problems. Theoretical Computer Science, 2012, 459, 77-88.	0.9	2
85	Approximation Results for the Incremental Knapsack Problem. Lecture Notes in Computer Science, 2018, , 75-87.	1.3	2
86	A tight linear time $$rac{13}{12}$$ 13 12 -approximation algorithm for the $$P2 \|\| C_{max }$$. Journal of Combinatorial Optimization, 2019, 38, 608-617.	1.3	2
87	A Hybrid Heuristic Approach Based on a Quadratic Knapsack Formulation for the Max-Mean Dispersion Problem. Lecture Notes in Computer Science, 2014, , 186-197.	1.3	2
88	Exact solution of the two-machine flow shop problem with three operations. Computers and Operations Research, 2022, 138, 105595.	4.0	2
89	A note on â€œBeam search heuristics for the single machine early/tardy scheduling problem with no machine idle timeâ€• Computers and Industrial Engineering, 2011, 60, 183-186.	6.3	1
90	Improving an exact approach for solving separable integer quadratic knapsack problems. Journal of Combinatorial Optimization, 2012, 23, 21-28.	1.3	1

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91	A Constraint Generation Approach for the Two-Machine Flow Shop Problem with Jobs Selection. Lecture Notes in Computer Science, 2014, , 198-207.	1.3	1
92	Approximation algorithms for 2-Peripathetic Salesman Problem with edge weights 1 and 2. Electronic Notes in Discrete Mathematics, 2006, 27, 35-36.	0.4	0
93	A â€œmaximum node clusteringâ€•problem. Journal of Combinatorial Optimization, 2006, 11, 373.	1.3	0
94	Exploiting dominance conditions for computing non trivial worst-case complexity for bounded combinatorial optimization problems. Operational Research, 2008, 8, 235-256.	2.0	0
95	Aâ€œMaximum Node Clusteringâ€•Problem. , 0, , 145-160.		0
96	The Complexity of Single Machine Scheduling Problems under Scenario-based Uncertainty. , 0, , 23-35.		0
97	Erratumâ€”One Machine Sequencing to Minimize Total Tardiness: A Fourth Theorem for Emmons. Operations Research, 2015, 63, 351-352.	1.9	0
98	Minimizing the number of tardy jobs in two-machine settings with common due date. Journal of Combinatorial Optimization, 2017, 34, 133-140.	1.3	0
99	Personnel Rostering Management by ICT Techniques. , 2013, , 855-871.		0
100	A Constraint Generation Approach for the Two-Machine Flow Shop Problem with Jobs Selection. Lecture Notes in Computer Science, 2014, , 198-207.	1.3	0
101	A Scheduling Prototype for Factory Automation: Matching OR Methodologies to Actual Industrial Needs. , 1999, , 183-198.		0
102	Personnel Rostering Management by ICT Techniques. , 2015, , 816-832.		0
103	Improved solution of the Budget constrained Fuel Treatment Scheduling problem and extensions. Computers and Industrial Engineering, 2022, 168, 108139.	6.3	0