

Federico Della Croce Di Dojola

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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.

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	A genetic algorithm for the job shop problem. <i>Computers and Operations Research</i> , 1995 , 22, 15-24	4.6	252
105	The two-machine total completion time flow shop problem. <i>European Journal of Operational Research</i> , 1996 , 90, 227-237	5.6	110
104	An improved branch-and-bound algorithm for the two machine total completion time flow shop problem. <i>European Journal of Operational Research</i> , 2002 , 139, 293-301	5.6	79
103	An enhanced dynasearch neighborhood for the single-machine total weighted tardiness scheduling problem. <i>Operations Research Letters</i> , 2004 , 32, 68-72	1	61
102	A greedy-based neighborhood search approach to a nurse rostering problem. <i>European Journal of Operational Research</i> , 2004 , 153, 28-40	5.6	59
101	Solving the Hub location problem in telecommunication network design: A local search approach. <i>Networks</i> , 2004 , 44, 94-105	1.6	50
100	Complexity of single machine scheduling problems under scenario-based uncertainty. <i>Operations Research Letters</i> , 2008 , 36, 338-342	1	48
99	A Recovering Beam Search algorithm for the one-machine dynamic total completion time scheduling problem. <i>Journal of the Operational Research Society</i> , 2002 , 53, 1275-1280	2	48
98	Scheduling the Italian Football League: an ILP-based approach. <i>Computers and Operations Research</i> , 2006 , 33, 1963-1974	4.6	44
97	Minimizing tardy jobs in a flowshop with common due date. <i>European Journal of Operational Research</i> , 2000 , 120, 375-381	5.6	38
96	A variable neighborhood search based matheuristic for nurse rostering problems. <i>Annals of Operations Research</i> , 2014 , 218, 185-199	3.2	36
95	Solution of the single machine total tardiness problem. <i>Journal of Scheduling</i> , 1999 , 2, 55-71	1.6	35
94	Recovering Beam Search: Enhancing the Beam Search Approach for Combinatorial Optimization Problems. <i>Journal of Heuristics</i> , 2004 , 10, 89-104	1.9	34
93	Algorithmic paradoxes of the single-machine total tardiness problem. <i>Journal of Scheduling</i> , 2001 , 4, 93-104	1.6	34
92	Generalized pairwise interchanges and machine scheduling. <i>European Journal of Operational Research</i> , 1995 , 83, 310-319	5.6	30
91	Aggregate planning and scheduling in the food industry: A case study. <i>European Journal of Operational Research</i> , 1995 , 87, 564-573	5.6	29
90	A heuristic approach for the maxMin diversity problem based on max-clique. <i>Computers and Operations Research</i> , 2009 , 36, 2429-2433	4.6	28

89	Fast algorithms for min independent dominating set. <i>Discrete Applied Mathematics</i> , 2013 , 161, 558-572	1	25
88	A Heuristic Algorithm for the Auto-Carrier Transportation Problem. <i>Transportation Science</i> , 2002 , 36, 55-62	4.4	24
87	Combining Swaps and Node Weights in an Adaptive Greedy Approach for the Maximum Clique Problem. <i>Journal of Heuristics</i> , 2004 , 10, 135-152	1.9	23
86	An improved general procedure for lexicographic bottleneck problems. <i>Operations Research Letters</i> , 1999 , 24, 187-194	1	23
85	An exact approach for the 0/1 knapsack problem with setups. <i>Computers and Operations Research</i> , 2017 , 80, 61-67	4.6	22
84	Minimising makespan in the two-machine flow-shop with release times. <i>Journal of the Operational Research Society</i> , 1998 , 49, 77-85	2	22
83	Scheduling a round robin tennis tournament under courts and players availability constraints. <i>Annals of Operations Research</i> , 1999 , 92, 349-361	3.2	21
82	A matheuristic approach for the two-machine total completion time flow shop problem. <i>Annals of Operations Research</i> , 2014 , 213, 67-78	3.2	19
81	Finding the Pareto-optima for the total and maximum tardiness single machine problem. <i>Discrete Applied Mathematics</i> , 2002 , 124, 117-126	1	18
80	A new decomposition approach for the single machine total tardiness scheduling problem. <i>Journal of the Operational Research Society</i> , 1998 , 49, 1101-1106	2	18
79	On the max min vertex cover problem. <i>Discrete Applied Mathematics</i> , 2015 , 196, 62-71	1	17
78	Improved core problem based heuristics for the 0/1 multi-dimensional knapsack problem. <i>Computers and Operations Research</i> , 2012 , 39, 27-31	4.6	17
77	Sequencing a single machine with due dates and deadlines: an ILP-based approach to solve very large instances. <i>Journal of Scheduling</i> , 2010 , 13, 39-47	1.6	17
76	The RedBlue transportation problem. <i>European Journal of Operational Research</i> , 2014 , 237, 814-823	5.6	16
75	Enumeration of Pareto Optima for a Flowshop Scheduling Problem with Two Criteria. <i>INFORMS Journal on Computing</i> , 2007 , 19, 64-72	2.4	16
74	Revisiting Branch and Bound Search Strategies for Machine Scheduling Problems. <i>Journal of Scheduling</i> , 2004 , 7, 429-440	1.6	16
73	Approximation algorithms for the 2-peripatetic salesman problem with edge weights 1 and 2. <i>Discrete Applied Mathematics</i> , 2009 , 157, 1988-1992	1	15
72	Improving the preemptive bound for the one-machine dynamic total completion time scheduling problem. <i>Operations Research Letters</i> , 2003 , 31, 142-148	1	14

71	Some thoughts on combinatorial optimisation. <i>European Journal of Operational Research</i> , 1995 , 83, 253-270	5.6	14
70	A single machine scheduling problem with two-dimensional vector packing constraints. <i>European Journal of Operational Research</i> , 2015 , 243, 75-81	5.6	13
69	A hybrid three-phase approach for the Max-Mean Dispersion Problem. <i>Computers and Operations Research</i> , 2016 , 71, 16-22	4.6	13
68	A hybrid heuristic approach for single machine scheduling with release times. <i>Computers and Operations Research</i> , 2014 , 45, 7-11	4.6	12
67	Iterated local search and very large neighborhoods for the parallel-machines total tardiness problem. <i>Computers and Operations Research</i> , 2012 , 39, 1213-1217	4.6	12
66	A multi-KP modeling for the maximum-clique problem. <i>European Journal of Operational Research</i> , 1994 , 73, 555-561	5.6	12
65	Lower Bounds on the Approximation Ratios of Leading Heuristics for the Single-Machine Total Tardiness Problem. <i>Journal of Scheduling</i> , 2004 , 7, 85-91	1.6	11
64	No-idle, no-wait: when shop scheduling meets dominoes, Eulerian paths and Hamiltonian paths. <i>Journal of Scheduling</i> , 2019 , 22, 59-68	1.6	10
63	The Longest Processing Time rule for identical parallel machines revisited. <i>Journal of Scheduling</i> , 2020 , 23, 163-176	1.6	10
62	Improved LP-based algorithms for the closest string problem. <i>Computers and Operations Research</i> , 2012 , 39, 746-749	4.6	9
61	A Matheuristic Approach for the Total Completion Time Two-Machines Permutation Flow Shop Problem. <i>Lecture Notes in Computer Science</i> , 2011 , 38-47	0.9	9
60	An exact algorithm for MAX-CUT in sparse graphs. <i>Operations Research Letters</i> , 2007 , 35, 403-408	1	9
59	Optimal idle time insertion in early-tardy parallel machines scheduling with precedence constraints. <i>Production Planning and Control</i> , 2002 , 13, 133-142	4.3	9
58	Cellular control of manufacturing systems. <i>European Journal of Operational Research</i> , 1993 , 69, 498-509	5.6	8
57	Heuristic approaches for a domestic energy management system. <i>Computers and Industrial Engineering</i> , 2017 , 109, 169-178	6.4	7
56	A constraint generation approach for two-machine shop problems with jobs selection. <i>European Journal of Operational Research</i> , 2017 , 259, 898-905	5.6	7
55	Minimizing total completion time in the two-machine no-idle no-wait flow shop problem. <i>Journal of Heuristics</i> , 2021 , 27, 159-173	1.9	7
54	A new exact approach for the 0-1 Collapsing Knapsack Problem. <i>European Journal of Operational Research</i> , 2017 , 260, 56-69	5.6	6

53	Reoptimization in machine scheduling. <i>Theoretical Computer Science</i> , 2014 , 540-541, 13-26	1.1	6
52	A note on Two-machine flow-shop scheduling with rejection and its link with flow-shop scheduling and common due date assignment. <i>Computers and Operations Research</i> , 2012 , 39, 3244-3246	4.6	6
51	Discrete-time, economic lot scheduling problem on multiple, non-identical production lines. <i>European Journal of Operational Research</i> , 2011 , 215, 89-96	5.6	6
50	Probabilistic graph-coloring in bipartite and split graphs. <i>Journal of Combinatorial Optimization</i> , 2009 , 17, 274-311	0.9	6
49	On the impact of the solution representation for the Internet Protocol Network Design Problem with max-hop constraints. <i>Networks</i> , 2004 , 44, 73-83	1.6	6
48	On the max min vertex cover Problem. <i>Lecture Notes in Computer Science</i> , 2014 , 37-48	0.9	5
47	New exact approaches and approximation results for the Penalized Knapsack Problem. <i>Discrete Applied Mathematics</i> , 2019 , 253, 122-135	1	5
46	Systematic numerical investigation of the role of hierarchy in heterogeneous bio-inspired materials. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013 , 19, 34-42	4.1	4
45	An exact semidefinite programming approach for the max-mean dispersion problem. <i>Journal of Combinatorial Optimization</i> , 2017 , 34, 71-93	0.9	4
44	The Selective Fixing Algorithm for the closest string problem. <i>Computers and Operations Research</i> , 2014 , 41, 24-30	4.6	4
43	An exact exponential branch-and-merge algorithm for the single machine total tardiness problem. <i>Theoretical Computer Science</i> , 2018 , 745, 133-149	1.1	4
42	On approximating the Incremental Knapsack Problem. <i>Discrete Applied Mathematics</i> , 2019 , 264, 26-42	1	3
41	MP or not MP: that is the question. <i>Journal of Scheduling</i> , 2016 , 19, 33-42	1.6	3
40	Efficient algorithms for the max (k) -vertex cover problem. <i>Journal of Combinatorial Optimization</i> , 2014 , 28, 674-691	0.9	3
39	A Hybrid Heuristic Approach Based on a Quadratic Knapsack Formulation for the Max-Mean Dispersion Problem. <i>Lecture Notes in Computer Science</i> , 2014 , 186-197	0.9	3
38	Exact Algorithms for Dominating Clique Problems. <i>Lecture Notes in Computer Science</i> , 2009 , 4-13	0.9	3
37	Advanced search techniques for the job shop problem : a comparison. <i>RAIRO - Operations Research</i> , 1995 , 29, 179-194	2.2	3
36	Exponential time algorithms for just-in-time scheduling problems with common due date and symmetric weights. <i>Journal of Combinatorial Optimization</i> , 2020 , 39, 764-775	0.9	3

35	Approximating the 3-period Incremental Knapsack Problem. <i>Journal of Discrete Algorithms</i> , 2018 , 52-53, 55-69		3
34	An exact approach for the bilevel knapsack problem with interdiction constraints and extensions. <i>Mathematical Programming</i> , 2020 , 183, 249-281	2.1	2
33	On fairness and diversification in WTA and ATP tennis tournaments generation. <i>Annals of Operations Research</i> , 2020 , 1	3.2	2
32	Approximation Results for the Incremental Knapsack Problem. <i>Lecture Notes in Computer Science</i> , 2018 , 75-87	0.9	2
31	A note on minimizing the sum of quadratic completion times on two identical parallel machines. <i>Information Processing Letters</i> , 2012 , 112, 738-742	0.8	2
30	Computational experience with a core-based reduction procedure for the 2-knapsack problem. <i>Computers and Operations Research</i> , 2011 , 38, 514-516	4.6	2
29	Improving the preemptive bound for the single machine dynamic maximum lateness problem. <i>Operations Research Letters</i> , 2010 , 38, 589-591	1	2
28	Lower Bounds and a New Exact Approach for the Bilevel Knapsack with Interdiction Constraints. <i>Lecture Notes in Computer Science</i> , 2019 , 155-167	0.9	2
27	Heuristic Solution Methods for the Selective Disassembly Sequencing Problem under Sequence-Dependent Costs. <i>IFAC-PapersOnLine</i> , 2019 , 52, 1908-1913	0.7	2
26	A tight linear time $(\frac{13}{12})$ -approximation algorithm for the $(P2 C_{\max})$ problem. <i>Journal of Combinatorial Optimization</i> , 2019 , 38, 608-617	0.9	1
25	Improving an exact approach for solving separable integer quadratic knapsack problems. <i>Journal of Combinatorial Optimization</i> , 2012 , 23, 21-28	0.9	1
24	Algorithms for dominating clique problems. <i>Theoretical Computer Science</i> , 2012 , 459, 77-88	1.1	1
23	A note on Beam search heuristics for the single machine early/tardy scheduling problem with no machine idle time. <i>Computers and Industrial Engineering</i> , 2011 , 60, 183-186	6.4	1
22	Improved worst-case complexity for the MIN 3-SET COVERING problem. <i>Operations Research Letters</i> , 2007 , 35, 205-210	1	1
21	A Constraint Generation Approach for the Two-Machine Flow Shop Problem with Jobs Selection. <i>Lecture Notes in Computer Science</i> , 2014 , 198-207	0.9	1
20	A Hybrid Heuristic Approach Based on a Quadratic Knapsack Formulation for the Max-Mean Dispersion Problem. <i>Lecture Notes in Computer Science</i> , 2014 , 186-197	0.9	1
19	Heuristic solution methods for the selective disassembly sequencing problem under sequence-dependent costs. <i>Computers and Operations Research</i> , 2021 , 127, 105151	4.6	1
18	Branch & Memorize exact algorithms for sequencing problems: Efficient embedding of memorization into search trees. <i>Computers and Operations Research</i> , 2021 , 128, 105171	4.6	1

17	Exact solution of the two-machine flow shop problem with three operations. <i>Computers and Operations Research</i> , 2022 , 138, 105595	4.6	o
16	Parallel machine scheduling with minimum number of tardy jobs: Approximation and exponential algorithms. <i>Applied Mathematics and Computation</i> , 2021 , 397, 125888	2.7	o
15	An improved heuristic approach for the interval immune transportation problem. <i>Omega</i> , 2021 , 104, 102492	7.2	o
14	Erratum One Machine Sequencing to Minimize Total Tardiness: A Fourth Theorem for Emmons. <i>Operations Research</i> , 2015 , 63, 351-352	2.3	
13	Minimizing the number of tardy jobs in two-machine settings with common due date. <i>Journal of Combinatorial Optimization</i> , 2017 , 34, 133-140	0.9	
12	A Maximum Node Clustering Problem 145-160		
11	The Complexity of Single Machine Scheduling Problems under Scenario-based Uncertainty 23-35		
10	Exploiting dominance conditions for computing non trivial worst-case complexity for bounded combinatorial optimization problems. <i>Operational Research</i> , 2008 , 8, 235-256	1.6	
9	A maximum node clustering problem. <i>Journal of Combinatorial Optimization</i> , 2006 , 11, 373	0.9	
8	Computing Optimal Solutions for the min 3-set covering Problem. <i>Lecture Notes in Computer Science</i> , 2005 , 685-692	0.9	
7	A Scheduling Prototype for Factory Automation: Matching OR Methodologies to Actual Industrial Needs 1999 , 183-198		
6	Personnel Rostering Management by ICT Techniques 2015 , 816-832		
5	Efficient Algorithms for the max k-vertex cover Problem. <i>Lecture Notes in Computer Science</i> , 2012 , 295-309		
4	Personnel Rostering Management by ICT Techniques 2013 , 855-871		
3	A Constraint Generation Approach for the Two-Machine Flow Shop Problem with Jobs Selection. <i>Lecture Notes in Computer Science</i> , 2014 , 198-207	0.9	
2	Improved solution of the Budget constrained Fuel Treatment Scheduling problem and extensions. <i>Computers and Industrial Engineering</i> , 2022 , 168, 108139	6.4	
1	Worst-case Complexity of Exact Algorithms for NP-hard Problems 203-240		