ClÃ¡udio Alves

List of Publications by Year
in descending order

46	674	14	25
papers	citations	h-index	g-index
623188			580395

48	48	48	495
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An arc flow formulation to the multitrip production, inventory, distribution, and routing problem with time windows. International Transactions in Operational Research, 2022, 29, 526-553.	1.8	8
2	Arc flow formulations based on dynamic programming: Theoretical foundations and applications. European Journal of Operational Research, 2022, 296, 3-21.	3.5	18
3	Variable neighborhood search algorithms for the vehicle routing problem with twoâ€dimensional loading constraints and mixed linehauls and backhauls. International Transactions in Operational Research, 2020, 27, 549-572.	1.8	17
4	A real-time optimization algorithm for the integrated planning and scheduling problem towards the context of Industry 4.0. FME Transactions, 2019, 47, 775-781.	0.7	7
5	Models and Advanced Optimization Algorithms for the Integrated Management of Logistics Operations. Springer Proceedings in Mathematics and Statistics, 2018, , 313-324.	0.1	1
6	Column generation based primal heuristics for routing and loading problems. Electronic Notes in Discrete Mathematics, 2018, 64, 135-144.	0.4	5
7	Column Generation Based Approaches for Combined Routing and Scheduling. Electronic Notes in Discrete Mathematics, 2018, 64, 155-164.	0.4	2
8	Variable neighborhood search algorithms for pickup and delivery problems with loading constraints. Electronic Notes in Discrete Mathematics, 2017, 58, 111-118.	0.4	9
9	Variable Neighborhood Search for Integrated Planning and Scheduling. Lecture Notes in Computer Science, 2017, , 709-724.	1.0	2
10	Iterative aggregation and disaggregation algorithm for pseudo-polynomial network flow models with side constraints. European Journal of Operational Research, 2017, 258, 467-477.	3.5	27
11	Combined cutting stock and scheduling: a matheuristic approach. International Journal of Innovative Computing and Applications, 2016, 7, 135.	0.2	9
12	An exact approach based on a new pseudo-polynomial network flow model for integrated planning and scheduling. Computers and Operations Research, 2016, 76, 183-194.	2.4	8
13	Other Applications in General Integer Programming. EURO Advanced Tutorials on Operational Research, 2016, , 125-131.	0.6	0
14	Exact Solution of Combined Cutting Stock and Scheduling Problems. Lecture Notes in Economics and Mathematical Systems, 2016, , 131-139.	0.3	6
15	Applications for Cutting and Packing Problems. EURO Advanced Tutorials on Operational Research, 2016, , 91-123.	0.6	0
16	General Dual-Feasible Functions. EURO Advanced Tutorials on Operational Research, 2016, , 51-89.	0.6	0
17	Classical Dual-Feasible Functions. EURO Advanced Tutorials on Operational Research, 2016, , 21-49.	0.6	0
18	Linear and Integer Programming. EURO Advanced Tutorials on Operational Research, 2016, , 1-19.	0.6	0

#	Article	IF	Citations
19	A Branch-and-Price Algorithm for the Vehicle Routing Problem with 2-Dimensional Loading Constraints. Lecture Notes in Computer Science, 2016, , 321-336.	1.0	2
20	Solving the Multiscenario Max-Min Knapsack Problem Exactly with Column Generation and Branch-and-Bound. Mathematical Problems in Engineering, 2015, 2015, 1-11.	0.6	11
21	Constructing general dual-feasible functions. Operations Research Letters, 2015, 43, 427-431.	0.5	6
22	A Model-Based Heuristic for the Combined Cutting Stock and Scheduling Problem. Lecture Notes in Computer Science, 2015, , 490-505.	1.0	5
23	Skewed general variable neighborhood search for the location routing scheduling problem. Computers and Operations Research, 2015, 61, 143-152.	2.4	22
24	GPU-Based Computing for Nesting Problems: The Importance of Sequences in Static Selection Approaches. Studies in Big Data, 2015, , 195-202.	0.8	0
25	Fast Heuristics for Integrated Planning and Scheduling. Lecture Notes in Computer Science, 2015, , 413-428.	1.0	1
26	Variable Neighborhood Search for the Elementary Shortest Path Problem with Loading Constraints. Lecture Notes in Computer Science, 2015, , 474-489.	1.0	3
27	An insertion heuristic for the capacitated vehicle routing problem with loading constraints and mixed linehauls and backhauls. FME Transactions, 2015, 43, 311-318.	0.7	12
28	Multidimensional dual-feasible functions and fast lower bounds for the vector packing problem. European Journal of Operational Research, 2014, 233, 43-63.	3.5	22
29	On the Properties of General Dual-Feasible Functions. Lecture Notes in Computer Science, 2014, , 180-194.	1.0	7
30	A hybrid heuristic for the multiple choice multidimensional knapsack problem. Engineering Optimization, 2013, 45, 983-1004.	1.5	22
31	An Exact Algorithm for Bilevel 0-1 Knapsack Problems. Mathematical Problems in Engineering, 2012, 2012, 1-23.	0.6	17
32	A Variable Neighborhood Search Algorithm for the Leather Nesting Problem. Mathematical Problems in Engineering, 2012, 2012, 1-28.	0.6	5
33	Worst-case analysis of maximal dual feasible functions. Optimization Letters, 2012, 6, 1687-1705.	0.9	4
34	New constructive algorithms for leather nesting in the automotive industry. Computers and Operations Research, 2012, 39, 1487-1505.	2.4	23
35	On the extremality of maximal dual feasible functions. Operations Research Letters, 2012, 40, 25-30.	0.5	9
36	New Stabilization Procedures for the Cutting Stock Problem. INFORMS Journal on Computing, 2011, 23, 530-545.	1.0	14

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37	Solving the vehicle routing problem with time windows and multiple routes exactly using a pseudo-polynomial model. European Journal of Operational Research, 2011, 214, 536-545.	3.5	76
38	Arc-flow model for the two-dimensional guillotine cutting stock problem. Computers and Operations Research, 2010, 37, 991-1001.	2.4	82
39	A survey of dual-feasible and superadditive functions. Annals of Operations Research, 2010, 179, 317-342.	2.6	52
40	Theoretical investigations on maximal dual feasible functions. Operations Research Letters, 2010, 38, 174-178.	0.5	13
41	New lower bounds based on column generation and constraint programming for the pattern minimization problem. Computers and Operations Research, 2009, 36, 2944-2954.	2.4	13
42	A stabilized branch-and-price-and-cut algorithm for the multiple length cutting stock problem. Computers and Operations Research, 2008, 35, 1315-1328.	2.4	54
43	A branch-and-price-and-cut algorithm for the pattern minimization problem. RAIRO - Operations Research, 2008, 42, 435-453.	1.0	15
44	New integer programming formulations and an exact algorithm for the ordered cutting stock problem. Journal of the Operational Research Society, 2008, 59, 1520-1531.	2.1	4
45	Gomory Cuts from a Position-Indexed Formulation of 1D Stock Cutting. , 2008, , 3-14.		1
46	Accelerating column generation for variable sized bin-packing problems. European Journal of Operational Research, 2007, 183, 1333-1352.	3.5	47