

# Mauricio C De Souza

## List of Publications by Year in descending order

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38  
papers

552  
citations

687363

13  
h-index

642732

23  
g-index

38  
all docs

38  
docs citations

38  
times ranked

449  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formulations and a Lagrangian relaxation approach for the prize collecting traveling salesman problem. <i>International Transactions in Operational Research</i> , 2022, 29, 729-759.	2.7	5
2	Lagrangian bounds for large-scale multicommodity network design: a comparison between Volume and Bundle methods. <i>International Transactions in Operational Research</i> , 2021, 28, 296-326.	2.7	2
3	Approaches for the joint resolution of lot-sizing and scheduling with infeasibilities occurrences. <i>Computers and Industrial Engineering</i> , 2021, 155, 107176.	6.3	6
4	Surgical scheduling under uncertainty by approximate dynamic programming. <i>Omega</i> , 2020, 95, 102066.	5.9	14
5	Flowshop scheduling problem with parallel semi-lines and final synchronization operation. <i>Computers and Operations Research</i> , 2019, 108, 121-133.	4.0	3
6	The Lagrangean Relaxation for the Flow Shop Scheduling Problem with Precedence Constraints, Release Dates and Delivery Times. <i>Journal of Advanced Transportation</i> , 2019, 2019, 1-10.	1.7	6
7	A linearized model for academic staff assignment in a Brazilian university focusing on performance gain in quality indicators. <i>International Journal of Production Economics</i> , 2018, 197, 43-51.	8.9	2
8	Crane scheduling problem with non-interference constraints in a steel coil distribution centre. <i>International Journal of Production Research</i> , 2017, 55, 1607-1622.	7.5	14
9	MULTICOMMODITY NETWORK FLOWS WITH NONCONVEX ARC COSTS. <i>Pesquisa Operacional</i> , 2017, 37, 571-595.	0.4	2
10	OPTIMIZATION IN NETWORKS: MODELING, ALGORITHMS AND APPLICATIONS. <i>Pesquisa Operacional</i> , 2017, 37, 435-436.	0.4	1
11	Scheduling cranes to retrieve steel coils in a warehouse. <i>IFAC-PapersOnLine</i> , 2016, 49, 1020-1025.	0.9	2
12	Model-hierarchical column generation and heuristic for the routing and wavelength assignment problem. <i>4or</i> , 2016, 14, 201-220.	1.6	2
13	Semi-parallel flow shop with a final synchronization operation scheduling problem**This work was supported by CAPES,UFMG,UFOP and UTT.. <i>IFAC-PapersOnLine</i> , 2016, 49, 1032-1037.	0.9	4
14	Models for scheduling charges in continuous casting: application to a Brazilian steel plant. <i>Optimization Letters</i> , 2016, 10, 667-683.	1.6	3
15	Time-indexed formulation and polynomial time heuristic for a multi-dock truck scheduling problem in a cross-docking centre. <i>Computers and Industrial Engineering</i> , 2016, 95, 135-143.	6.3	27
16	Two Formulations for non-Interference Parallel Machine Scheduling Problems. <i>IFAC-PapersOnLine</i> , 2015, 48, 272-276.	0.9	2
17	Surgical scheduling with simultaneous employment of specialised human resources. <i>European Journal of Operational Research</i> , 2015, 245, 719-730.	5.7	40
18	Approximate decomposition methods for the analysis of multicommodity flow routing in generalized queuing networks. <i>European Journal of Operational Research</i> , 2014, 232, 618-629.	5.7	21

#	ARTICLE	IF	CITATIONS
19	Global optimization of capacity expansion and flow assignment in multicommodity networks. Pesquisa Operacional, 2013, 33, 217-234.	0.4	7
20	Min-degree constrained minimum spanning tree problem: complexity, properties, and formulations. International Transactions in Operational Research, 2012, 19, 323-352.	2.7	14
21	Variable neighborhood descent with iterated local search for routing and wavelength assignment. Computers and Operations Research, 2012, 39, 2133-2141.	4.0	19
22	Models and heuristics for the $k$ -degree constrained minimum spanning tree problem with node-degree costs. Networks, 2012, 60, 1-18.	2.7	7
23	Branch-and-cut and hybrid local search for the multi-level capacitated minimum spanning tree problem. Networks, 2012, 59, 148-160.	2.7	5
24	Capacitated lot sizing and sequence dependent setup scheduling: an iterative approach for integration. Journal of Scheduling, 2010, 13, 245-259.	1.9	39
25	md-MST is NP-hard for. Electronic Notes in Discrete Mathematics, 2010, 36, 9-15.	0.4	10
26	Roteamento de multi-fluxos em redes de filas genéricas. Pesquisa Operacional, 2010, 30, 583-600.	0.4	1
27	Use of radial basis functions for meshless numerical solutions applied to financial engineering barrier options. Pesquisa Operacional, 2009, 29, 419-437.	0.4	5
28	GRASP with hybrid heuristic-subproblem optimization for the multi-level capacitated minimum spanning tree problem. Journal of Heuristics, 2009, 15, 133-151.	1.4	8
29	VNS and second order heuristics for the min-degree constrained minimum spanning tree problem. Computers and Operations Research, 2009, 36, 2969-2982.	4.0	20
30	Packing items to feed assembly lines. European Journal of Operational Research, 2008, 184, 480-489.	5.7	33
31	Models and heuristics for a minimum arborescence problem. Networks, 2008, 51, 34-47.	2.7	18
32	Cycle-based algorithms for multicommodity network flow problems with separable piecewise convex costs. Networks, 2008, 51, 133-141.	2.7	5
33	Stronger upper and lower bounds for a hard batching problem to feed assembly lines. Electronic Notes in Discrete Mathematics, 2008, 30, 159-164.	0.4	3
34	Skewed VNS enclosing second order algorithm for the degree constrained minimum spanning tree problem. European Journal of Operational Research, 2008, 191, 677-690.	5.7	23
35	Local optimality conditions for multicommodity flow problems with separable piecewise convex costs. Operations Research Letters, 2007, 35, 221-226.	0.7	16
36	A GRASP Heuristic for the Capacitated Minimum Spanning Tree Problem Using a Memory-Based Local Search Strategy. Applied Optimization, 2003, , 627-657.	0.4	19

#	ARTICLE	IF	CITATIONS
37	Variable neighborhood search for the degree-constrained minimum spanning tree problem. <i>Discrete Applied Mathematics</i> , 2002, 118, 43-54.	0.9	92
38	Tabu search for the Steiner problem in graphs. <i>Networks</i> , 2000, 36, 138-146.	2.7	52