Rafael A Melo

List of Publications by Year
in descending order

		932766	940134
21 papers	**286** citations	**10** h-index	**16** g-index
21 all docs	**21** docs citations	**21** times ranked	**205** citing authors

#	ARTICLE	IF	CITATIONS
1	Uncapacitated two-level lot-sizing. Operations Research Letters, 2010, 38, 241-245.	0.5	36
2	Effective matheuristics for the multi-item capacitated lot-sizing problem with remanufacturing. Computers and Operations Research, 2019, 104, 149-158.	2.4	28
3	MIP formulations and heuristics for two-level production-transportation problems. Computers and Operations Research, 2012, 39, 2776-2786.	2.4	26
4	Optimizing production and transportation in a commit-to-delivery business mode. European Journal of Operational Research, 2010, 203, 614-618.	3.5	23
5	A computational comparison of formulations for the economic lot-sizing with remanufacturing. Computers and Industrial Engineering, 2016, 92, 72-81.	3.4	23
6	The traveling tournament problem with predefined venues. Journal of Scheduling, 2009, 12, 607-622.	1.3	21
7	On multi-item economic lot-sizing with remanufacturing and uncapacitated production. Applied Mathematical Modelling, 2017, 50, 772-780.	2.2	19
8	A New Lower Bound to the Traveling Tournament Problem. , 2007, , .		15
9	Formulations and heuristics for the multi-item uncapacitated lot-sizing problem with inventory bounds. International Journal of Production Research, 2017, 55, 576-592.	4.9	15
10	On reformulations for the one-warehouse multi-retailer problem. Annals of Operations Research, 2016, 238, 99-122.	2.6	13
11	Extended formulation and valid inequalities for the multi-item inventory lot-sizing problem with supplier selection. Computers and Operations Research, 2021, 130, 105234.	2.4	12
12	Compact formulations and an iterated local search-based matheuristic for the minimum weighted feedback vertex set problem. European Journal of Operational Research, 2021, 289, 75-92.	3.5	11
13	A fast and effective MIP-based heuristic for a selective and periodic inventory routing problem in reverse logistics. Omega, 2021, 103, 102394.	3.6	9
14	An effective decomposition approach and heuristics to generate spanning trees with a small number of branch vertices. Computational Optimization and Applications, 2016, 65, 821-844.	0.9	8
15	Improved solutions for the freight consolidation and containerization problem using aggregation and symmetry breaking. Computers and Industrial Engineering, 2015, 85, 402-413.	3.4	6
16	A matheuristic approach for the b-coloring problem using integer programming and a multi-start multi-greedy randomized metaheuristic. European Journal of Operational Research, 2021, 295, 66-81.	3.5	6
17	On the computational complexity of uncapacitated multi-plant lot-sizing problems. Optimization Letters, 2021, 15, 803-812.	0.9	4
18	Maximum weighted induced forests and trees: new formulations and a computational comparative review. International Transactions in Operational Research, 2022, 29, 2263-2287.	1.8	4

#	Article	IF	Citations
19	New formulations and branch-and-cut procedures for the longest induced path problem. Computers and Operations Research, 2022, 139, 105627.	2.4	4
20	Valid inequalities, preprocessing, and an effective heuristic for the uncapacitated three-level lot-sizing and replenishment problem with a distribution structure. European Journal of Operational Research, 2021, 295, 874-892.	3.5	3
21	An enhanced simulation-based iterated local search metaheuristic for gravity fed water distribution network design optimization. Computers and Operations Research, 2021, 135, 105429.	2.4	0