

Rafael A Melo

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

286
citations

932766

10
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940134

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g-index

21
all docs

21
docs citations

21
times ranked

205
citing authors

#	ARTICLE	IF	CITATIONS
1	Maximum weighted induced forests and trees: new formulations and a computational comparative review. <i>International Transactions in Operational Research</i> , 2022, 29, 2263-2287.	1.8	4
2	New formulations and branch-and-cut procedures for the longest induced path problem. <i>Computers and Operations Research</i> , 2022, 139, 105627.	2.4	4
3	Compact formulations and an iterated local search-based matheuristic for the minimum weighted feedback vertex set problem. <i>European Journal of Operational Research</i> , 2021, 289, 75-92.	3.5	11
4	On the computational complexity of uncapacitated multi-plant lot-sizing problems. <i>Optimization Letters</i> , 2021, 15, 803-812.	0.9	4
5	Extended formulation and valid inequalities for the multi-item inventory lot-sizing problem with supplier selection. <i>Computers and Operations Research</i> , 2021, 130, 105234.	2.4	12
6	A fast and effective MIP-based heuristic for a selective and periodic inventory routing problem in reverse logistics. <i>Omega</i> , 2021, 103, 102394.	3.6	9
7	An enhanced simulation-based iterated local search metaheuristic for gravity fed water distribution network design optimization. <i>Computers and Operations Research</i> , 2021, 135, 105429.	2.4	0
8	A matheuristic approach for the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"} \rangle \langle \text{mml:mi} \rangle \text{b} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -coloring problem using integer programming and a multi-start multi-greedy randomized metaheuristic. <i>European Journal of Operational Research</i> , 2021, 295, 66-81.	3.5	6
9	Valid inequalities, preprocessing, and an effective heuristic for the uncapacitated three-level lot-sizing and replenishment problem with a distribution structure. <i>European Journal of Operational Research</i> , 2021, 295, 874-892.	3.5	3
10	Effective matheuristics for the multi-item capacitated lot-sizing problem with remanufacturing. <i>Computers and Operations Research</i> , 2019, 104, 149-158.	2.4	28
11	On multi-item economic lot-sizing with remanufacturing and uncapacitated production. <i>Applied Mathematical Modelling</i> , 2017, 50, 772-780.	2.2	19
12	Formulations and heuristics for the multi-item uncapacitated lot-sizing problem with inventory bounds. <i>International Journal of Production Research</i> , 2017, 55, 576-592.	4.9	15
13	An effective decomposition approach and heuristics to generate spanning trees with a small number of branch vertices. <i>Computational Optimization and Applications</i> , 2016, 65, 821-844.	0.9	8
14	On reformulations for the one-warehouse multi-retailer problem. <i>Annals of Operations Research</i> , 2016, 238, 99-122.	2.6	13
15	A computational comparison of formulations for the economic lot-sizing with remanufacturing. <i>Computers and Industrial Engineering</i> , 2016, 92, 72-81.	3.4	23
16	Improved solutions for the freight consolidation and containerization problem using aggregation and symmetry breaking. <i>Computers and Industrial Engineering</i> , 2015, 85, 402-413.	3.4	6
17	MIP formulations and heuristics for two-level production-transportation problems. <i>Computers and Operations Research</i> , 2012, 39, 2776-2786.	2.4	26
18	Uncapacitated two-level lot-sizing. <i>Operations Research Letters</i> , 2010, 38, 241-245.	0.5	36

#	ARTICLE	IF	CITATIONS
19	Optimizing production and transportation in a commit-to-delivery business mode. European Journal of Operational Research, 2010, 203, 614-618.	3.5	23
20	The traveling tournament problem with predefined venues. Journal of Scheduling, 2009, 12, 607-622.	1.3	21
21	A New Lower Bound to the Traveling Tournament Problem. , 2007, , .		15