

# Filipe Alvelos

## List of Publications by Year in descending order

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37  
papers

464  
citations

932766

10  
h-index

713013

21  
g-index

40  
all docs

40  
docs citations

40  
times ranked

423  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of the System of Allocation of Overdue Loans in a Sub-Saharan Africa Microfinance Institution. <i>Future Internet</i> , 2022, 14, 163.	2.4	1
2	An optimization model for bus fleet replacement with budgetary and environmental constraints. <i>Transportation Planning and Technology</i> , 2020, 43, 488-502.	0.9	9
3	Towards an Integrated Framework for Aerospace Supply Chain Sustainability. <i>Springer Proceedings in Mathematics and Statistics</i> , 2019, , 1-13.	0.1	3
4	Maximizing the expected number of transplants in kidney exchange programs with branch-and-price. <i>Annals of Operations Research</i> , 2019, 272, 429-444.	2.6	11
5	Optimizing the Kidney Exchange Problem with a Budget for Simultaneous Crossmatch Tests. <i>Lecture Notes in Computer Science</i> , 2019, , 277-288.	1.0	0
6	Optimization of logistics services in hospitals. <i>International Transactions in Operational Research</i> , 2018, 25, 111-132.	1.8	8
7	Integrated urban freight logistics combining passenger and freight flows – mathematical model proposal. <i>Transportation Research Procedia</i> , 2018, 30, 80-89.	0.8	49
8	Mixed Integer Programming Models for Fire Fighting. <i>Lecture Notes in Computer Science</i> , 2018, , 637-652.	1.0	4
9	Kidney Exchange Programs with a Priori Crossmatch Probing. <i>Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR</i> , 2018, , 363-368.	0.1	2
10	Heuristics for Two-Dimensional Bin-Packing Problems. , 2018, , 27-1-27-18.		0
11	Maximizing expected number of transplants in kidney exchange programs. <i>Electronic Notes in Discrete Mathematics</i> , 2016, 52, 269-276.	0.4	4
12	Bus Driver Rostering by Column Generation Metaheuristics. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2016, , 225-231.	0.3	2
13	A Matheuristic Based on Column Generation for Parallel Machine Scheduling with Sequence Dependent Setup Times. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2016, , 233-238.	0.3	0
14	A compact formulation for maximizing the expected number of transplants in kidney exchange programs. <i>Journal of Physics: Conference Series</i> , 2015, 616, 012011.	0.3	5
15	Decompositions and a Matheuristic for a Forest Harvest Scheduling Problem. <i>CIM Series in Mathematical Sciences</i> , 2015, , 237-260.	0.4	1
16	Comparing Hybrid Metaheuristics for the Bus Driver Rostering Problem. <i>Smart Innovation, Systems and Technologies</i> , 2015, , 43-53.	0.5	1
17	Integrating two-dimensional cutting stock and lot-sizing problems. <i>Journal of the Operational Research Society</i> , 2014, 65, 108-123.	2.1	27
18	New mixed integer-programming model for the pickup-and-delivery problem with transshipment. <i>European Journal of Operational Research</i> , 2014, 235, 530-539.	3.5	83

#	ARTICLE	IF	CITATIONS
19	Improving Branch-and-Price for Parallel Machine Scheduling. Lecture Notes in Computer Science, 2014, , 290-300.	1.0	2
20	A Hybrid Heuristic Based on Column Generation for Two- and Three- Stage Bin Packing Problems. Lecture Notes in Computer Science, 2014, , 211-226.	1.0	4
21	A New Branch-and-Price Approach for the Kidney Exchange Problem. Lecture Notes in Computer Science, 2014, , 237-252.	1.0	12
22	Optimizing network load balancing: an hybridization approach of metaheuristics with column generation. Telecommunication Systems, 2013, 52, 959-968.	1.6	7
23	A hybrid column generation with GRASP and path relinking for the network load balancing problem. Computers and Operations Research, 2013, 40, 3147-3158.	2.4	12
24	Combining Column Generation and Metaheuristics. Studies in Computational Intelligence, 2013, , 285-334.	0.7	13
25	A branch-and-price approach for harvest scheduling subject to maximum area restrictions. Computational Optimization and Applications, 2012, 51, 363-385.	0.9	13
26	Exact and heuristic approaches for lot splitting and scheduling on identical parallel machines. International Journal of Manufacturing Technology and Management, 2011, 22, 39.	0.1	8
27	Optimization of link load balancing in multiple spanning tree routing networks. Telecommunication Systems, 2011, 48, 109-124.	1.6	17
28	HEURISTICS WITH STOCHASTIC NEIGHBORHOOD STRUCTURES FOR TWO-DIMENSIONAL BIN PACKING AND CUTTING STOCK PROBLEMS. Asia-Pacific Journal of Operational Research, 2011, 28, 255-278.	0.9	6
29	A Fast Heuristic for a Lot Splitting and Scheduling Problem of a Textile Industry. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 120-125.	0.4	0
30	An integer programming model for two- and three-stage two-dimensional cutting stock problems. European Journal of Operational Research, 2010, 205, 699-708.	3.5	83
31	Link load balancing optimization of telecommunication networks: A column generation based heuristic approach. , 2010, , .		5
32	Comparing Dantzigâ€™s Wolfe decompositions and branch-and-price algorithms for the multi-item capacitated lot sizing problem. Optimization Methods and Software, 2010, 25, 299-319.	1.6	19
33	SearchCol: Metaheuristic Search by Column Generation. Lecture Notes in Computer Science, 2010, , 190-205.	1.0	10
34	Sequence based heuristics for two-dimensional bin packing problems. Engineering Optimization, 2009, 41, 773-791.	1.5	15
35	Traffic Engineering of Multiple Spanning Tree Routing Networks: the Load Balancing Case. , 2009, , .		11
36	Traffic Engineering of Telecommunication Networks Based on Multiple Spanning Tree Routing. Lecture Notes in Computer Science, 2009, , 114-129.	1.0	4

#	ARTICLE	IF	CITATIONS
37	An extended model and a column generation algorithm for the planar multicommodity flow problem. Networks, 2007, 50, 3-16.	1.6	9