André R S Amaral

List of Publications by Year
in descending order

29 papers	**1,016** citations	567281 **15** h-index	580821 **25** g-index
29 all docs	**29** docs citations	**29** times ranked	**329** citing authors

#	Article	IF	Citations
1	On the exact solution of a facility layout problem. European Journal of Operational Research, 2006, 173, 508-518.	5.7	140
2	Single row facility layout problem using a permutation-based genetic algorithm. European Journal of Operational Research, 2011, 213, 388-394.	5.7	125
3	A new lower bound for the single row facility layout problem. Discrete Applied Mathematics, 2009, 157, 183-190.	0.9	107
4	An Exact Approach to the One-Dimensional Facility Layout Problem. Operations Research, 2008, 56, 1026-1033.	1.9	88
5	Simulated annealing and tabu search approaches for the Corridor Allocation Problem. European Journal of Operational Research, 2014, 232, 221-233.	5.7	73
6	The corridor allocation problem. Computers and Operations Research, 2012, 39, 3325-3330.	4.0	66
7	A polyhedral approach to the single row facility layout problem. Mathematical Programming, 2013, 141, 453-477.	2.4	63
8	Optimal solutions for the double row layout problem. Optimization Letters, 2013, 7, 407-413.	1.6	58
9	A parallel ordering problem in facilities layout. Computers and Operations Research, 2013, 40, 2930-2939.	4.0	44
10	A mixed-integer programming formulation for the double row layout of machines in manufacturing systems. International Journal of Production Research, 2019, 57, 34-47.	7.5	38
11	Analysis of upper bounds for the Pallet Loading Problem. European Journal of Operational Research, 2001, 132, 582-593.	5.7	29
12	A GRASP algorithm for solving large-scale single row facility layout problems. Computers and Operations Research, 2019, 106, 49-61.	4.0	29
13	An improved mixed-integer programming model for the double row layout of facilities. Optimization Letters, 2019, 13, 193-199.	1.6	26
14	Efficient Algorithm for the Constrained Two‐dimensional Cutting Stock Problem. International Transactions in Operational Research, 2001, 8, 3-13.	2.7	21
15	An improved model for the parallel row ordering problem. Journal of the Operational Research Society, 2020, 71, 475-490.	3.4	17
16	A heuristic approach for the double row layout problem. Annals of Operations Research, 2022, 316, 1-36.	4.1	14
17	Lexicographic optimization€based clustering search metaheuristic for the multiobjective flexible job shop schedulingÂproblem. International Transactions in Operational Research, 2021, 28, 2733-2758.	2.7	14
18	A mixed 0-1 linear programming formulation for the exact solution of the minimum linear arrangement problem. Optimization Letters, 2009, 3, 513-520.	1.6	13

#	Article	IF	Citations
19	Experiments with a strategic oscillation algorithm for the pallet loading problem. International Journal of Production Research, 2001, 39, 2341-2351.	7.5	12
20	A mixed-integer programming formulation of the double row layout problem based on a linear extension of a partial order. Optimization Letters, 2021, 15, 1407-1423.	1.6	11
21	A Clustering Search Metaheuristic for the Bi-objective Flexible Job Shop Scheduling Problem. , 2018, , .		6
22	An efficient approach for large scale graph partitioning. Journal of Combinatorial Optimization, 2007, 13, 289-320.	1.3	5
23	A simulated annealing metaheuristic for the bi-objective flexible job shop scheduling problem. , 2018, , .		5
24	A New Lower Bound for the Minimum Linear Arrangement of a Graph. Electronic Notes in Discrete Mathematics, 2008, 30, 87-92.	0.4	4
25	Adaptive iterated local search for the parallel row ordering problem. Expert Systems With Applications, 2022, 208, 118033.	7.6	4
26	A Hybrid Iterated Local Search Metaheuristic for the Flexible job Shop Scheduling Problem. , 2018, , .		2
27	Otimização por Enxame de Partículas híbrido de duas fases Aplicado o Problema de Layout em Linha Dupla. Inteligencia Artificial, 2021, 24, 51-70.	0.8	1
28	Simulated Annealing and Iterated Local Search Approaches to the Aircraft Refueling Problem. Lecture Notes in Computer Science, 2021, , 422-438.	1.3	1
29	A Solution Approach to The Problem of Nesting Rectangles with Arbitrary Rotations into Containers of Irregular Convex and Non-Convex Shapes. Lecture Notes in Computer Science, 2020, , 747-762.	1.3	0