Jos F Oliveira

List of Publications by Citations

80 papers	2,173 citations	25 h-index	45 g-index
84 ext. papers	2,607 ext. citations	4 avg, IF	5.33 L-index

#	Paper	IF	Citations
80	Forty years of the European Journal of Operational Research: A bibliometric overview. *European Journal of Operational Research*, **2017**, 262, 803-816	5.6	182
79	The geometry of nesting problems: A tutorial. *European Journal of Operational Research*, **2008**, 184, 397-415	5.6	146
78	Solving Irregular Strip Packing problems by hybridising simulated annealing and linear programming. *European Journal of Operational Research*, **2006**, 171, 811-829	5.6	135
77	. *IEEE Intelligent Systems*, **2005**, 20, 50-57	4.2	120
76	A 2-exchange heuristic for nesting problems. *European Journal of Operational Research*, **2002**, 141, 359-370	5.6	95
75	Single machine multi-product capacitated lot sizing with sequence-dependent setups. *International Journal of Production Research*, **2007**, 45, 4873-4894	7.8	84
74	A Maximal-Space Algorithm for the Container Loading Problem. *INFORMS Journal on Computing*, **2008**, 20, 412-422	2.4	82
73	TOPOS – A new constructive algorithm for nesting problems. *OR Spectrum*, **2000**, 22, 263	1.9	80
72	A tutorial in irregular shape packing problems. *Journal of the Operational Research Society*, **2009**, 60, S93-S105	2	74
71	Neighborhood structures for the container loading problem: a VNS implementation. *Journal of Heuristics*, **2010**, 16, 1-22	1.9	74
70	An integrated approach to the vehicle routing and container loading problems. *OR Spectrum*, **2009**, 31, 775-800	1.9	72
69	Production planning and scheduling in the glass container industry: A VNS approach. *International Journal of Production Economics*, **2008**, 114, 363-375	9.3	61
68	An improved version of Wang's algorithm for two-dimensional cutting problems. *European Journal of Operational Research*, **1990**, 44, 256-266	5.6	60
67	A hybrid GRASP/VND algorithm for two- and three-dimensional bin packing. *Annals of Operations Research*, **2010**, 179, 203-220	3.2	59
66	The Dotted-Board Model: A new MIP model for nesting irregular shapes. *International Journal of Production Economics*, **2013**, 145, 478-487	9.3	55
65	Irregular packing problems: A review of mathematical models. *European Journal of Operational Research*, **2020**, 282, 803-822	5.6	42
64	A Methodology for Sustainability Evaluation and Reporting in Higher Education Institutions. *Higher Education Policy*, **2011**, 24, 459-479	1.5	41

63	Robust mixed-integer linear programming models for the irregular strip packing problem. *European Journal of Operational Research*, **2016**, 253, 570-583	5.6	36
62	Fleet and revenue management in car rental companies: A literature review and an integrated conceptual framework. *Omega*, **2017**, 71, 11-26	7.2	36
61	A new load balance methodology for container loading problem in road transportation. *European Journal of Operational Research*, **2018**, 266, 1140-1152	5.6	35
60	Reel and sheet cutting at a paper mill. *Computers and Operations Research*, **2004**, 31, 1223-1243	4.6	31
59	A container loading algorithm with static mechanical equilibrium stability constraints. *Transportation Research Part B: Methodological*, **2016**, 91, 565-581	7.2	30
58	2DCPackGen: A problem generator for two-dimensional rectangular cutting and packing problems. *European Journal of Operational Research*, **2014**, 237, 846-856	5.6	26
57	Multiple machine continuous setup lotsizing with sequence-dependent setups. *Computational Optimization and Applications*, **2010**, 47, 529-552	1.4	25
56	A physical packing sequence algorithm for the container loading problem with static mechanical equilibrium conditions. *International Transactions in Operational Research*, **2016**, 23, 215-238	2.9	25
55	Heuristics for a dynamic rural postman problem. *Computers and Operations Research*, **2007**, 34, 3281-3294	4.6	24
54	An optimization model for the vehicle routing problem with practical three-dimensional loading constraints. *International Transactions in Operational Research*, **2013**, 20, 645-666	2.9	23
53	Dynamic stability metrics for the container loading problem. *Transportation Research Part C: Emerging Technologies*, **2015**, 60, 480-497	8.4	22
52	A SURVEY ON HEURISTICS FOR THE TWO-DIMENSIONAL RECTANGULAR STRIP PACKING PROBLEM. *Pesquisa Operacional*, **2016**, 36, 197-226	0.3	22
51	Tactical sales and operations planning: A holistic framework and a literature review of decision-making models. *International Journal of Production Economics*, **2020**, 228, 107695	9.3	21
50	Cyclic staff scheduling: optimization models for some real-life problems. *Journal of Scheduling*, **2013**, 16, 231-242	1.6	21
49	Scheduling inspired models for two-dimensional packing problems. *European Journal of Operational Research*, **2011**, 215, 45-56	5.6	20
48	Heuristic approaches to large-scale periodic packing of irregular shapes on a rectangular sheet. *European Journal of Operational Research*, **2009**, 192, 29-40	5.6	20
47	Solving nesting problems with non-convex polygons by constraint logic programming. *International Transactions in Operational Research*, **2003**, 10, 651-663	2.9	19
46	The pallet loading problem: a review of solution methods and computational experiments. *International Transactions in Operational Research*, **2016**, 23, 147-172	2.9	18

45	A relax-and-fix-based algorithm for the vehicle-reservation assignment problem in a car rental company. *European Journal of Operational Research*, **2014**, 237, 729-737	5.6	18
44	Allocating products on shelves under merchandising rules: Multi-level product families with display directions. *Omega*, **2018**, 76, 47-62	7.2	17
43	A note on the capacitated lot-sizing and scheduling problem with sequence-dependent setup costs and setup times. *Computers and Operations Research*, **2008**, 35, 1374-1376	4.6	15
42	A semi-continuous MIP model for the irregular strip packing problem. *International Journal of Production Research*, **2016**, 54, 712-721	7.8	14
41	Using Analytics to Enhance a Food Retailer's Shelf-Space Management. *Interfaces*, **2016**, 46, 424-444	0.7	14
40	MIP-based constructive heuristics for the three-dimensional Bin Packing Problem with transportation constraints. *International Journal of Production Research*, **2018**, 56, 1581-1592	7.8	13
39	Models for the two-dimensional level strip packing problem – a review and a computational evaluation. *Journal of the Operational Research Society*, **2020**, 71, 606-627	2	11
38	Retail shelf space planning problems: A comprehensive review and classification framework. *European Journal of Operational Research*, **2021**, 289, 1-16	5.6	10
37	A constructive heuristic for staff scheduling in the glass industry. *Annals of Operations Research*, **2014**, 217, 463-478	3.2	9
36	A New Upper Bound for the Cylinder Packing Problem. *International Transactions in Operational Research*, **2001**, 8, 571-583	2.9	9
35	A co-evolutionary matheuristic for the car rental capacity-pricing stochastic problem. *European Journal of Operational Research*, **2019**, 276, 637-655	5.6	9
34	Integrating pricing and capacity decisions in car rental: A matheuristic approach. *Operations Research Perspectives*, **2018**, 5, 334-356	2.1	8
33	A general heuristic for two-dimensional nesting problems with limited-size containers. *International Journal of Production Research*, **2018**, 56, 709-732	7.8	7
32	Integrated resolution of assignment, sequencing and cutting problems in paper production planning. *International Journal of Production Research*, **2012**, 50, 5195-5212	7.8	7
31	SOLVING IRREGULAR STRIP PACKING PROBLEMS WITH FREE ROTATIONS USING SEPARATION LINES. *Pesquisa Operacional*, **2018**, 38, 195-214	0.3	7
30	Integrating irregular strip packing and cutting path determination problems: A discrete exact approach. *Computers and Industrial Engineering*, **2020**, 149, 106757	6.4	6
29	On-line three-dimensional packing problems: A review of off-line and on-line solution approaches. *Computers and Industrial Engineering*, **2022**, 168, 108122	6.4	6
28	Cargo dynamic stability in the container loading problem - a physics simulation tool approach. *International Journal of Simulation and Process Modelling*, **2017**, 12, 29	0.4	5

27	Load balance recovery for multi-drop distribution problems: A mixed integer linear programming approach. *Transportation Research Part B: Methodological*, **2018**, 116, 62-75	7.2	5
26	Understanding carsharing: A review of managerial practices towards relevant research insights. *Research in Transportation Business and Management*, **2021**, 41, 100653	2.8	5
25	Carsharing: A review of academic literature and business practices toward an integrated decision-support framework. *Transportation Research, Part E: Logistics and Transportation Review*, **2021**, 149, 102280	9	5
24	Data mining based framework to assess solution quality for the rectangular 2D strip-packing problem. *Expert Systems With Applications*, **2019**, 118, 365-380	7.8	5
23	Exact approaches for the cutting path determination problem. *Computers and Operations Research*, **2019**, 112, 104772	4.6	4
22	Cargo Stability in the Container Loading Problem - State-of-the-Art and Future Research Directions. *Springer Proceedings in Mathematics and Statistics*, **2018**, 339-350	0.2	3
21	Quantitative Approaches on Staff Scheduling and Rostering in Hospitality Management: An Overview. *American Journal of Operations Research*, **2012**, 02, 137-145	0.5	3
20	Merging make-to-stock/make-to-order decisions into sales and operations planning: A multi-objective approach. *Omega*, **2021**, 107, 102561	7.2	3
19	An innovative data structure to handle the geometry of nesting problems. *International Journal of Production Research*, **2018**, 56, 7085-7102	7.8	2
18	An Agent-Based Approach to Schedule Crane Operations in Rail-Rail Transshipment Terminals. *Lecture Notes in Economics and Mathematical Systems*, **2016**, 91-97	0.4	2
17	Teaching logistics without formal classes: a case study. *European Journal of Engineering Education*, **2004**, 29, 571-580	1.5	2
16	Integrated Cutting and Production Planning: A Case Study in a Home Textile Manufacturing Company. *Studies in Big Data*, **2015**, 213-220	0.9	2
15	Cutting and Packing **2018**, 931-977		2
14	The Two-Dimensional Strip Packing Problem: What Matters?. *Springer Proceedings in Mathematics and Statistics*, **2018**, 151-164	0.2	1
13	Comments on: Routing problems with loading constraints. *Top*, **2010**, 18, 31-33	1.3	1
12	Cutting and Packing **2018**, 1-46		1
11	Pricing for Internet Sales Channels in Car Rentals. *Studies in Big Data*, **2015**, 139-147	0.9	1
10	The Social Impact of the Use of Cyber-Physical Systems in Manufacturing: An Initial Approach. *Studies in Computational Intelligence*, **2020**, 72-84	0.8	1

9	Three-dimensional guillotine cutting problems with constrained patterns: MILP formulations and a bottom-up algorithm. *Expert Systems With Applications*, **2021**, 168, 114257	7.8	1
8	A C++ application programming interface for co-evolutionary biased random-key genetic algorithms for solution and scenario generation. *Optimization Methods and Software*,1-22	1.3	0
7	A Benders Decomposition Algorithm for the Berth Allocation Problem. *Springer Proceedings in Mathematics and Statistics*, **2019**, 29-41	0.2	
6	A Dynamic Programming Approach for Integrating Dynamic Pricing and Capacity Decisions in a Rental Context. *Springer Proceedings in Mathematics and Statistics*, **2018**, 297-311	0.2	
5	An Intercontinental Replenishment Problem: A Hybrid Approach. *Springer Proceedings in Mathematics and Statistics*, **2018**, 351-363	0.2	
4	Resources for the Education in Operations Research: Past, Present and Future. *Lecture Notes in Logistics*, **2018**, 49-57	0.5	
3	A MIP Model for Production Planning in the Roasting Coffee Industry. *Lecture Notes in Economics and Mathematical Systems*, **2016**, 157-163	0.4	
2	Demand Uncertainty for the Location-Routing Problem with Two-dimensional Loading Constraints. *Lecture Notes in Economics and Mathematical Systems*, **2016**, 47-53	0.4	
1	A GRASP Algorithm for the Vehicle-Reservation Assignment Problem. *Lecture Notes in Economics and Mathematical Systems*, **2016**, 63-71	0.4	