

Jos F Oliveira

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | On-line three-dimensional packing problems: A review of off-line and on-line solution approaches. <i>Computers and Industrial Engineering</i> , 2022 , 168, 108122 | 6.4 | 6 |
| 79 | Merging make-to-stock/make-to-order decisions into sales and operations planning: A multi-objective approach. <i>Omega</i> , 2021 , 107, 102561 | 7.2 | 3 |
| 78 | Understanding carsharing: A review of managerial practices towards relevant research insights. <i>Research in Transportation Business and Management</i> , 2021 , 41, 100653 | 2.8 | 5 |
| 77 | Carsharing: A review of academic literature and business practices toward an integrated decision-support framework. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021 , 149, 102280 | 9 | 5 |
| 76 | Retail shelf space planning problems: A comprehensive review and classification framework. <i>European Journal of Operational Research</i> , 2021 , 289, 1-16 | 5.6 | 10 |
| 75 | Three-dimensional guillotine cutting problems with constrained patterns: MILP formulations and a bottom-up algorithm. <i>Expert Systems With Applications</i> , 2021 , 168, 114257 | 7.8 | 1 |
| 74 | Tactical sales and operations planning: A holistic framework and a literature review of decision-making models. <i>International Journal of Production Economics</i> , 2020 , 228, 107695 | 9.3 | 21 |
| 73 | Integrating irregular strip packing and cutting path determination problems: A discrete exact approach. <i>Computers and Industrial Engineering</i> , 2020 , 149, 106757 | 6.4 | 6 |
| 72 | Models for the two-dimensional level strip packing problem: A review and a computational evaluation. <i>Journal of the Operational Research Society</i> , 2020 , 71, 606-627 | 2 | 11 |
| 71 | Irregular packing problems: A review of mathematical models. <i>European Journal of Operational Research</i> , 2020 , 282, 803-822 | 5.6 | 42 |
| 70 | The Social Impact of the Use of Cyber-Physical Systems in Manufacturing: An Initial Approach. <i>Studies in Computational Intelligence</i> , 2020 , 72-84 | 0.8 | 1 |
| 69 | A Benders Decomposition Algorithm for the Berth Allocation Problem. <i>Springer Proceedings in Mathematics and Statistics</i> , 2019 , 29-41 | 0.2 | |
| 68 | Exact approaches for the cutting path determination problem. <i>Computers and Operations Research</i> , 2019 , 112, 104772 | 4.6 | 4 |
| 67 | A co-evolutionary metaheuristic for the car rental capacity-pricing stochastic problem. <i>European Journal of Operational Research</i> , 2019 , 276, 637-655 | 5.6 | 9 |
| 66 | Data mining based framework to assess solution quality for the rectangular 2D strip-packing problem. <i>Expert Systems With Applications</i> , 2019 , 118, 365-380 | 7.8 | 5 |
| 65 | The Two-Dimensional Strip Packing Problem: What Matters?. <i>Springer Proceedings in Mathematics and Statistics</i> , 2018 , 151-164 | 0.2 | 1 |
| 64 | A Dynamic Programming Approach for Integrating Dynamic Pricing and Capacity Decisions in a Rental Context. <i>Springer Proceedings in Mathematics and Statistics</i> , 2018 , 297-311 | 0.2 | |

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| 63 | An Intercontinental Replenishment Problem: A Hybrid Approach. <i>Springer Proceedings in Mathematics and Statistics</i> , 2018 , 351-363 | 0.2 | |
| 62 | Cargo Stability in the Container Loading Problem - State-of-the-Art and Future Research Directions. <i>Springer Proceedings in Mathematics and Statistics</i> , 2018 , 339-350 | 0.2 | 3 |
| 61 | Resources for the Education in Operations Research: Past, Present and Future. <i>Lecture Notes in Logistics</i> , 2018 , 49-57 | 0.5 | |
| 60 | An innovative data structure to handle the geometry of nesting problems. <i>International Journal of Production Research</i> , 2018 , 56, 7085-7102 | 7.8 | 2 |
| 59 | Allocating products on shelves under merchandising rules: Multi-level product families with display directions. <i>Omega</i> , 2018 , 76, 47-62 | 7.2 | 17 |
| 58 | MIP-based constructive heuristics for the three-dimensional Bin Packing Problem with transportation constraints. <i>International Journal of Production Research</i> , 2018 , 56, 1581-1592 | 7.8 | 13 |
| 57 | A new load balance methodology for container loading problem in road transportation. <i>European Journal of Operational Research</i> , 2018 , 266, 1140-1152 | 5.6 | 35 |
| 56 | A general heuristic for two-dimensional nesting problems with limited-size containers. <i>International Journal of Production Research</i> , 2018 , 56, 709-732 | 7.8 | 7 |
| 55 | Load balance recovery for multi-drop distribution problems: A mixed integer linear programming approach. <i>Transportation Research Part B: Methodological</i> , 2018 , 116, 62-75 | 7.2 | 5 |
| 54 | Cutting and Packing 2018 , 1-46 | | 1 |
| 53 | SOLVING IRREGULAR STRIP PACKING PROBLEMS WITH FREE ROTATIONS USING SEPARATION LINES. <i>Pesquisa Operacional</i> , 2018 , 38, 195-214 | 0.3 | 7 |
| 52 | Integrating pricing and capacity decisions in car rental: A matheuristic approach. <i>Operations Research Perspectives</i> , 2018 , 5, 334-356 | 2.1 | 8 |
| 51 | Cutting and Packing 2018 , 931-977 | | 2 |
| 50 | Forty years of the European Journal of Operational Research: A bibliometric overview. <i>European Journal of Operational Research</i> , 2017 , 262, 803-816 | 5.6 | 182 |
| 49 | Cargo dynamic stability in the container loading problem - a physics simulation tool approach. <i>International Journal of Simulation and Process Modelling</i> , 2017 , 12, 29 | 0.4 | 5 |
| 48 | Fleet and revenue management in car rental companies: A literature review and an integrated conceptual framework. <i>Omega</i> , 2017 , 71, 11-26 | 7.2 | 36 |
| 47 | A semi-continuous MIP model for the irregular strip packing problem. <i>International Journal of Production Research</i> , 2016 , 54, 712-721 | 7.8 | 14 |
| 46 | Using Analytics to Enhance a Food Retailer's Shelf-Space Management. <i>Interfaces</i> , 2016 , 46, 424-444 | 0.7 | 14 |

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| 45 | An Agent-Based Approach to Schedule Crane Operations in Rail-Rail Transshipment Terminals. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2016 , 91-97 | 0.4 | 2 |
| 44 | The pallet loading problem: a review of solution methods and computational experiments. <i>International Transactions in Operational Research</i> , 2016 , 23, 147-172 | 2.9 | 18 |
| 43 | A MIP Model for Production Planning in the Roasting Coffee Industry. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2016 , 157-163 | 0.4 | |
| 42 | Robust mixed-integer linear programming models for the irregular strip packing problem. <i>European Journal of Operational Research</i> , 2016 , 253, 570-583 | 5.6 | 36 |
| 41 | Demand Uncertainty for the Location-Routing Problem with Two-dimensional Loading Constraints. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2016 , 47-53 | 0.4 | |
| 40 | A GRASP Algorithm for the Vehicle-Reservation Assignment Problem. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2016 , 63-71 | 0.4 | |
| 39 | A SURVEY ON HEURISTICS FOR THE TWO-DIMENSIONAL RECTANGULAR STRIP PACKING PROBLEM. <i>Pesquisa Operacional</i> , 2016 , 36, 197-226 | 0.3 | 22 |
| 38 | A physical packing sequence algorithm for the container loading problem with static mechanical equilibrium conditions. <i>International Transactions in Operational Research</i> , 2016 , 23, 215-238 | 2.9 | 25 |
| 37 | A container loading algorithm with static mechanical equilibrium stability constraints. <i>Transportation Research Part B: Methodological</i> , 2016 , 91, 565-581 | 7.2 | 30 |
| 36 | Dynamic stability metrics for the container loading problem. <i>Transportation Research Part C: Emerging Technologies</i> , 2015 , 60, 480-497 | 8.4 | 22 |
| 35 | Pricing for Internet Sales Channels in Car Rentals. <i>Studies in Big Data</i> , 2015 , 139-147 | 0.9 | 1 |
| 34 | Integrated Cutting and Production Planning: A Case Study in a Home Textile Manufacturing Company. <i>Studies in Big Data</i> , 2015 , 213-220 | 0.9 | 2 |
| 33 | A relax-and-fix-based algorithm for the vehicle-reservation assignment problem in a car rental company. <i>European Journal of Operational Research</i> , 2014 , 237, 729-737 | 5.6 | 18 |
| 32 | 2DCPackGen: A problem generator for two-dimensional rectangular cutting and packing problems. <i>European Journal of Operational Research</i> , 2014 , 237, 846-856 | 5.6 | 26 |
| 31 | A constructive heuristic for staff scheduling in the glass industry. <i>Annals of Operations Research</i> , 2014 , 217, 463-478 | 3.2 | 9 |
| 30 | Cyclic staff scheduling: optimization models for some real-life problems. <i>Journal of Scheduling</i> , 2013 , 16, 231-242 | 1.6 | 21 |
| 29 | The Dotted-Board Model: A new MIP model for nesting irregular shapes. <i>International Journal of Production Economics</i> , 2013 , 145, 478-487 | 9.3 | 55 |
| 28 | An optimization model for the vehicle routing problem with practical three-dimensional loading constraints. <i>International Transactions in Operational Research</i> , 2013 , 20, 645-666 | 2.9 | 23 |

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| 27 | Integrated resolution of assignment, sequencing and cutting problems in paper production planning. <i>International Journal of Production Research</i> , 2012 , 50, 5195-5212 | 7.8 | 7 |
| 26 | Quantitative Approaches on Staff Scheduling and Rostering in Hospitality Management: An Overview. <i>American Journal of Operations Research</i> , 2012 , 02, 137-145 | 0.5 | 3 |
| 25 | Scheduling inspired models for two-dimensional packing problems. <i>European Journal of Operational Research</i> , 2011 , 215, 45-56 | 5.6 | 20 |
| 24 | A Methodology for Sustainability Evaluation and Reporting in Higher Education Institutions. <i>Higher Education Policy</i> , 2011 , 24, 459-479 | 1.5 | 41 |
| 23 | A hybrid GRASP/VND algorithm for two- and three-dimensional bin packing. <i>Annals of Operations Research</i> , 2010 , 179, 203-220 | 3.2 | 59 |
| 22 | Comments on: Routing problems with loading constraints. <i>Top</i> , 2010 , 18, 31-33 | 1.3 | 1 |
| 21 | Multiple machine continuous setup lotsizing with sequence-dependent setups. <i>Computational Optimization and Applications</i> , 2010 , 47, 529-552 | 1.4 | 25 |
| 20 | Neighborhood structures for the container loading problem: a VNS implementation. <i>Journal of Heuristics</i> , 2010 , 16, 1-22 | 1.9 | 74 |
| 19 | A tutorial in irregular shape packing problems. <i>Journal of the Operational Research Society</i> , 2009 , 60, S93-S105 | 2 | 74 |
| 18 | An integrated approach to the vehicle routing and container loading problems. <i>OR Spectrum</i> , 2009 , 31, 775-800 | 1.9 | 72 |
| 17 | Heuristic approaches to large-scale periodic packing of irregular shapes on a rectangular sheet. <i>European Journal of Operational Research</i> , 2009 , 192, 29-40 | 5.6 | 20 |
| 16 | A Maximal-Space Algorithm for the Container Loading Problem. <i>INFORMS Journal on Computing</i> , 2008 , 20, 412-422 | 2.4 | 82 |
| 15 | The geometry of nesting problems: A tutorial. <i>European Journal of Operational Research</i> , 2008 , 184, 397-415 | 4.65 | 146 |
| 14 | A note on the capacitated lot-sizing and scheduling problem with sequence-dependent setup costs and setup times. <i>Computers and Operations Research</i> , 2008 , 35, 1374-1376 | 4.6 | 15 |
| 13 | Production planning and scheduling in the glass container industry: A VNS approach. <i>International Journal of Production Economics</i> , 2008 , 114, 363-375 | 9.3 | 61 |
| 12 | Single machine multi-product capacitated lot sizing with sequence-dependent setups. <i>International Journal of Production Research</i> , 2007 , 45, 4873-4894 | 7.8 | 84 |
| 11 | Heuristics for a dynamic rural postman problem. <i>Computers and Operations Research</i> , 2007 , 34, 3281-3294 | 4.6 | 24 |
| 10 | Solving Irregular Strip Packing problems by hybridising simulated annealing and linear programming. <i>European Journal of Operational Research</i> , 2006 , 171, 811-829 | 5.6 | 135 |

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| 9 | . <i>IEEE Intelligent Systems</i> , 2005 , 20, 50-57 | 4.2 | 120 |
| 8 | Reel and sheet cutting at a paper mill. <i>Computers and Operations Research</i> , 2004 , 31, 1223-1243 | 4.6 | 31 |
| 7 | Teaching logistics without formal classes: a case study. <i>European Journal of Engineering Education</i> , 2004 , 29, 571-580 | 1.5 | 2 |
| 6 | Solving nesting problems with non-convex polygons by constraint logic programming. <i>International Transactions in Operational Research</i> , 2003 , 10, 651-663 | 2.9 | 19 |
| 5 | A 2-exchange heuristic for nesting problems. <i>European Journal of Operational Research</i> , 2002 , 141, 359-370 | 3.6 | 95 |
| 4 | A New Upper Bound for the Cylinder Packing Problem. <i>International Transactions in Operational Research</i> , 2001 , 8, 571-583 | 2.9 | 9 |
| 3 | TOPOS: A new constructive algorithm for nesting problems. <i>OR Spectrum</i> , 2000 , 22, 263 | 1.9 | 80 |
| 2 | An improved version of Wang's algorithm for two-dimensional cutting problems. <i>European Journal of Operational Research</i> , 1990 , 44, 256-266 | 5.6 | 60 |
| 1 | A C++ application programming interface for co-evolutionary biased random-key genetic algorithms for solution and scenario generation. <i>Optimization Methods and Software</i> , 1-22 | 1.3 | 0 |