

# Juan Jos Salazar-Gonzlez

## List of Publications by Year in Descending Order

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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.

116  
papers

3,044  
citations

31  
h-index

52  
g-index

119  
ext. papers

3,461  
ext. citations

3  
avg, IF

5.67  
L-index

| #   | Paper   | IF  | Citations |
|-----|---|-----|-----------|
| 116 | A Branch-and-cut algorithm for the split-demand one-commodity pickup-and-delivery travelling salesman problem. <i>European Journal of Operational Research</i> , <b>2021</b> , 297, 467-467 | 5.6 | 0         |
| 115 | The Pickup and Delivery Problem with Split Loads and Transshipments: A Branch-and-Cut Solution Approach. <i>European Journal of Operational Research</i> , <b>2021</b> , 289, 470-484       | 5.6 | 8         |
| 114 | A Branch-and-Price Algorithm for the Vehicle Routing Problem with Stochastic Demands and Probabilistic Duration Constraints. <i>Transportation Science</i> , <b>2021</b> , 55, 122-138      | 4.4 | 6         |
| 113 | Designing optimal masks for a multi-object spectrometer. <i>Omega</i> , <b>2021</b> , 103, 102392   | 7.2 | 1         |
| 112 | Selective routing problem with synchronization. <i>Computers and Operations Research</i> , <b>2021</b> , 135, 105465  | 4.6 |           |
| 111 | Heuristic approaches for flight retiming in an integrated airline scheduling problem of a regional carrier. <i>Omega</i> , <b>2020</b> , 91, 102028   | 7.2 | 15        |
| 110 | The Capacitated Vehicle Routing Problem: Stronger bounds in pseudo-polynomial time. <i>European Journal of Operational Research</i> , <b>2019</b> , 272, 24-31                              | 5.6 | 18        |
| 109 | The periodic vehicle routing problem with driver consistency. <i>European Journal of Operational Research</i> , <b>2019</b> , 273, 575-584  | 5.6 | 26        |
| 108 | Optimal Solutions for the Vehicle Routing Problem with Split Demands. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 189-203  | 0.9 | 1         |
| 107 | Balanced vehicle routing: Polyhedral analysis and branch-and-cut algorithm. <i>European Journal of Operational Research</i> , <b>2019</b> , 273, 452-463                                    | 5.6 | 5         |
| 106 | The probabilistic pickup-and-delivery travelling salesman problem. <i>Expert Systems With Applications</i> , <b>2019</b> , 121, 313-323   | 7.8 | 6         |
| 105 | Heuristic algorithm for the Split-Demand One-Commodity Pickup-and-Delivery Travelling Salesman Problem. <i>Computers and Operations Research</i> , <b>2018</b> , 97, 1-17                   | 4.6 | 13        |
| 104 | The connected facility location polytope. <i>Discrete Applied Mathematics</i> , <b>2018</b> , 234, 151-167  | 1   | 5         |
| 103 | An Exact Algorithm for the Split-Demand One-Commodity Pickup-and-delivery Travelling Salesman Problem. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 241-252                     | 0.9 | 1         |
| 102 | A Heuristic Approach to the Driver and Vehicle Routing Problem. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 295-305  | 0.9 | 0         |
| 101 | The driver and vehicle routing problem. <i>Computers and Operations Research</i> , <b>2018</b> , 92, 56-64  | 4.6 | 6         |
| 100 | Exact Approach for the Vehicle Routing Problem with Stochastic Demands and Preventive Returns. <i>Transportation Science</i> , <b>2018</b> , 52, 1463-1478                                  | 4.4 | 13        |

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|----|---|-----|----|
| 99 | Optimal Solutions to a Real-World Integrated Airline Scheduling Problem. <i>Transportation Science</i> , <b>2017</b> , 51, 250-268  | 4.4 | 25 |
| 98 | An exact algorithm for a Vehicle-and-Driver Scheduling Problem. <i>Computers and Operations Research</i> , <b>2017</b> , 81, 247-256  | 4.6 | 3  |
| 97 | An algorithmic framework for the exact solution of tree-star problems. <i>European Journal of Operational Research</i> , <b>2017</b> , 261, 54-66   | 5.6 | 12 |
| 96 | Solving the Team Orienteering Arc Routing Problem with a column generation approach. <i>European Journal of Operational Research</i> , <b>2017</b> , 262, 14-27   | 5.6 | 7  |
| 95 | The ring/Rings network design problem: Model and branch-and-cut algorithm. <i>Networks</i> , <b>2016</b> , 68, 130-140  |     | 7  |
| 94 | Hierarchical Survivable Network Design Problems. <i>Electronic Notes in Discrete Mathematics</i> , <b>2016</b> , 52, 229-236  | 0.3 | 3  |
| 93 | A branch-and-cut algorithm for two-level survivable network design problems. <i>Computers and Operations Research</i> , <b>2016</b> , 67, 102-112   | 4.6 | 13 |
| 92 | Solving the Single Vehicle Routing Problem with Variable Capacity. <i>Transportation Science</i> , <b>2016</b> , 50, 708-719  | 4.4 | 4  |
| 91 | A hybrid heuristic approach for the multi-commodity pickup-and-delivery traveling salesman problem. <i>European Journal of Operational Research</i> , <b>2016</b> , 251, 44-52                                | 5.6 | 18 |
| 90 | Stronger multi-commodity flow formulations of the (capacitated) sequential ordering problem. <i>European Journal of Operational Research</i> , <b>2016</b> , 251, 74-84                                       | 5.6 | 14 |
| 89 | Stronger multi-commodity flow formulations of the Capacitated Vehicle Routing Problem. <i>European Journal of Operational Research</i> , <b>2015</b> , 244, 730-738   | 5.6 | 22 |
| 88 | The split-demand one-commodity pickup-and-delivery travelling salesman problem. <i>Transportation Research Part B: Methodological</i> , <b>2015</b> , 75, 58-73   | 7.2 | 32 |
| 87 | Single liner shipping service design. <i>Computers and Operations Research</i> , <b>2014</b> , 45, 1-6  | 4.6 | 35 |
| 86 | The multi-commodity pickup-and-delivery traveling salesman problem. <i>Networks</i> , <b>2014</b> , 63, 46-59   | 1.6 | 18 |
| 85 | A branch-and-cut algorithm for the hub location and routing problem. <i>Computers and Operations Research</i> , <b>2014</b> , 50, 161-174   | 4.6 | 59 |
| 84 | Approaches to solve the fleet-assignment, aircraft-routing, crew-pairing and crew-rostering problems of a regional carrier. <i>Omega</i> , <b>2014</b> , 43, 71-82  | 7.2 | 43 |
| 83 | Enhanced controlled tabular adjustment. <i>Computers and Operations Research</i> , <b>2014</b> , 43, 61-67  | 4.6 | 6  |
| 82 | Measuring cost efficiency in the presence of quasi-fixed inputs using dynamic Data Envelopment Analysis: The case of port infrastructure. <i>Maritime Economics and Logistics</i> , <b>2014</b> , 16, 111-126 | 2.6 | 14 |

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|----|--|-----|----|
| 81 | Chapter 7: Pickup-and-Delivery Problems for People Transportation <b>2014</b> , 193-212  |     | 16 |
| 80 | A MIP-based approach to solve the prize-collecting local access network design problem. <i>European Journal of Operational Research</i> , <b>2014</b> , 235, 727-739               | 5.6 | 4  |
| 79 | On the Asymmetric Connected Facility Location Polytope. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 371-383   |     | 3  |
| 78 | On the Asymmetric Connected Facility Location Polytope. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 371-383   |     | 2  |
| 77 | Further Developments with Perturbation Techniques to Protect Tabular Data. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 24-35  | 0.9 | 1  |
| 76 | A heuristic approach for an integrated fleet-assignment, aircraft-routing and crew-pairing problem. <i>Electronic Notes in Discrete Mathematics</i> , <b>2013</b> , 41, 391-398    | 0.3 | 8  |
| 75 | The traveling purchaser problem, with multiple stacks and deliveries: A branch-and-cut approach. <i>Computers and Operations Research</i> , <b>2013</b> , 40, 2103-2115            | 4.6 | 8  |
| 74 | A column generation approach for a school bus routing problem with resource constraints. <i>Computers and Operations Research</i> , <b>2013</b> , 40, 566-583                      | 4.6 | 58 |
| 73 | Polynomial-time separation of Enhanced Reverse Multistar inequalities. <i>Operations Research Letters</i> , <b>2013</b> , 41, 294-297  | 1   | 3  |
| 72 | Reverse multistar inequalities and vehicle routing problems with a lower bound on the number of customers per route. <i>Networks</i> , <b>2013</b> , 61, 309-321                   | 1.6 | 9  |
| 71 | Exact approaches to the single-source network loading problem. <i>Networks</i> , <b>2012</b> , 59, 89-106  | 1.6 | 17 |
| 70 | Solving school bus routing using the multiple vehicle traveling purchaser problem: A branch-and-cut approach. <i>Computers and Operations Research</i> , <b>2012</b> , 39, 391-404 | 4.6 | 66 |
| 69 | A hybrid heuristic approach for the multi-commodity one-to-one pickup-and-delivery traveling salesman problem. <i>Journal of Heuristics</i> , <b>2012</b> , 18, 849-867            | 1.9 | 12 |
| 68 | The Balanced Minimum Evolution Problem. <i>INFORMS Journal on Computing</i> , <b>2012</b> , 24, 276-294  | 2.4 | 14 |
| 67 | The Multi-Commodity One-to-One Pickup-and-Delivery Traveling Salesman Problem: A Matheuristic. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 401-405                    | 0.9 | 4  |
| 66 | Generalized network design polyhedra. <i>Networks</i> , <b>2011</b> , 58, 125-136  | 1.6 | 1  |
| 65 | Decorous Lower Bounds for Minimum Linear Arrangement. <i>INFORMS Journal on Computing</i> , <b>2011</b> , 23, 26-40  | 2.4 | 18 |
| 64 | Protecting Tabular Data <b>2011</b> , 65-92  |     |    |

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|----|---|-----|----|
| 63 | A Heuristic Algorithm for a Prize-Collecting Local Access Network Design Problem. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 139-144                        | 0.9 |    |
| 62 | Statistical Confidentiality <b>2011</b> ,   |     | 69 |
| 61 | Comments on: Routing problems with loading constraints. <i>Top</i> , <b>2010</b> , 18, 36-38  | 1.3 |    |
| 60 | A branch-and-cut algorithm for the pickup and delivery traveling salesman problem with LIFO loading. <i>Networks</i> , <b>2010</b> , 55, 46-59                            | 1.6 | 55 |
| 59 | Lower Bounds for the Minimum Linear Arrangement of a Graph. <i>Electronic Notes in Discrete Mathematics</i> , <b>2010</b> , 36, 843-849                                   | 0.3 | 1  |
| 58 | On the Vehicle Routing Problem with lower bound capacities. <i>Electronic Notes in Discrete Mathematics</i> , <b>2010</b> , 36, 1001-1008                                 | 0.3 | 3  |
| 57 | Hybridization of very large neighborhood search for ready-mixed concrete delivery problems. <i>Computers and Operations Research</i> , <b>2010</b> , 37, 559-574          | 4.6 | 48 |
| 56 | A local branching heuristic for the capacitated fixed-charge network design problem. <i>Computers and Operations Research</i> , <b>2010</b> , 37, 575-581                 | 4.6 | 51 |
| 55 | Branch-and-Cut versus Cut-and-Branch Algorithms for Cell Suppression. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 29-40                                      | 0.9 | 1  |
| 54 | Mathematical models to reconstruct phylogenetic trees under the minimum evolution criterion. <i>Networks</i> , <b>2009</b> , 53, 126-140                                  | 1.6 | 9  |
| 53 | On the one-commodity pickup-and-delivery traveling salesman problem with stochastic demands. <i>Mathematical Programming</i> , <b>2009</b> , 119, 169-194                 | 2.1 | 8  |
| 52 | The multi-commodity one-to-one pickup-and-delivery traveling salesman problem. <i>European Journal of Operational Research</i> , <b>2009</b> , 196, 987-995               | 5.6 | 42 |
| 51 | A hybrid GRASP/VND heuristic for the one-commodity pickup-and-delivery traveling salesman problem. <i>Computers and Operations Research</i> , <b>2009</b> , 36, 1639-1645 | 4.6 | 57 |
| 50 | Statistical confidentiality: Optimization techniques to protect tables. <i>Computers and Operations Research</i> , <b>2008</b> , 35, 1638-1651                            | 4.6 | 15 |
| 49 | Solving a capacitated hub location problem. <i>European Journal of Operational Research</i> , <b>2008</b> , 184, 468-479  | 4.9 | 54 |
| 48 | A new approach for data editing and imputation. <i>Mathematical Methods of Operations Research</i> , <b>2008</b> , 68, 407-428  | 1   |    |
| 47 | A New Lower Bound for the Minimum Linear Arrangement of a Graph. <i>Electronic Notes in Discrete Mathematics</i> , <b>2008</b> , 30, 87-92                                | 0.3 | 3  |
| 46 | The one-commodity pickup-and-delivery traveling salesman problem: Inequalities and algorithms. <i>Networks</i> , <b>2007</b> , 50, 258-272                                | 1.6 | 50 |

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|----|--|-----|-----|
| 45 | An algorithm for checking whether the toric ideal of an affine monomial curve is a complete intersection. <i>Journal of Symbolic Computation</i> , <b>2007</b> , 42, 971-991 | 0.8 | 11  |
| 44 | A heuristic approach for the continuous error localization problem in data cleaning. <i>Computers and Operations Research</i> , <b>2007</b> , 34, 2370-2383                  | 4.6 | 1   |
| 43 | A branch-and-cut algorithm for the continuous error localization problem in data cleaning. <i>Computers and Operations Research</i> , <b>2007</b> , 34, 2790-2804            | 4.6 | 4   |
| 42 | The Capacitated m-Ring-Star Problem. <i>Operations Research</i> , <b>2007</b> , 55, 1147-1162  | 2.3 | 93  |
| 41 | An Exact Approach for the Vehicle Routing Problem with Two-Dimensional Loading Constraints. <i>Transportation Science</i> , <b>2007</b> , 41, 253-264                        | 4.4 | 196 |
| 40 | The Generalized Traveling Salesman and Orienteering Problems. <i>Combinatorial Optimization</i> , <b>2007</b> , 609-662  |     | 16  |
| 39 | An Iterated Local Search Heuristic for a Capacitated Hub Location Problem. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 70-81                                    | 0.9 | 4   |
| 38 | Solving the asymmetric traveling purchaser problem. <i>Annals of Operations Research</i> , <b>2006</b> , 144, 83-97  | 3.2 | 26  |
| 37 | Projection results for vehicle routing. <i>Mathematical Programming</i> , <b>2006</b> , 105, 251-274   | 2.1 | 75  |
| 36 | Controlled rounding and cell perturbation: statistical disclosure limitation methods for tabular data. <i>Mathematical Programming</i> , <b>2006</b> , 105, 583-603          | 2.1 | 10  |
| 35 | A New Approach to Round Tabular Data. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 25-34   | 0.9 | 2   |
| 34 | A Unified Mathematical Programming Framework for Different Statistical Disclosure Limitation Methods. <i>Operations Research</i> , <b>2005</b> , 53, 819-829                 | 2.3 | 15  |
| 33 | The biobjective travelling purchaser problem. <i>European Journal of Operational Research</i> , <b>2005</b> , 160, 599-613   | 5.1 | 37  |
| 32 | Locating median cycles in networks. <i>European Journal of Operational Research</i> , <b>2005</b> , 160, 457-470   | 5.6 | 62  |
| 31 | A heuristic approach for the Travelling Purchaser Problem. <i>European Journal of Operational Research</i> , <b>2005</b> , 162, 142-152                                      | 5.6 | 37  |
| 30 | Laying Out Sparse Graphs with Provably Minimum Bandwidth. <i>INFORMS Journal on Computing</i> , <b>2005</b> , 17, 356-373  | 2.4 | 19  |
| 29 | Algorithms for automatic data editing. <i>Statistical Journal of the IAOS</i> , <b>2004</b> , 20, 255-264  |     |     |
| 28 | Getting the Best Results in Controlled Rounding with the Least Effort. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 58-72  | 0.9 | 4   |

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| 27 | A branch-and-cut algorithm for the plant-cycle location problem. <i>Journal of the Operational Research Society</i> , <b>2004</b> , 55, 513-520                            | 2   | 31  |
| 26 | Mathematical models for applying cell suppression methodology in statistical data protection. <i>European Journal of Operational Research</i> , <b>2004</b> , 154, 740-754 | 5.6 | 8   |
| 25 | The Ring Star Problem: Polyhedral analysis and exact algorithm. <i>Networks</i> , <b>2004</b> , 43, 177-189  | 1.6 | 120 |
| 24 | A branch-and-cut algorithm for a traveling salesman problem with pickup and delivery. <i>Discrete Applied Mathematics</i> , <b>2004</b> , 145, 126-139                     | 1   | 122 |
| 23 | Exact algorithms for the job sequencing and tool switching problem. <i>IIE Transactions</i> , <b>2004</b> , 36, 37-45  |     | 47  |
| 22 | Heuristics for the One-Commodity Pickup-and-Delivery Traveling Salesman Problem. <i>Transportation Science</i> , <b>2004</b> , 38, 245-255                                 | 4.4 | 97  |
| 21 | A New Tool for Applying Controlled Rounding to a Statistical Table in Microsoft Excel. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 44-57                      | 0.9 |     |
| 20 | Decomposition Approaches for a Capacitated Hub Problem. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 154-163   | 0.9 | 2   |
| 19 | A Branch-and-Cut Algorithm for the Undirected Traveling Purchaser Problem. <i>Operations Research</i> , <b>2003</b> , 51, 940-951  | 2.3 | 55  |
| 18 | Partial cell suppression: A new methodology for statistical disclosure control. <i>Statistics and Computing</i> , <b>2003</b> , 13, 13-21                                  | 1.8 | 14  |
| 17 | Some recent contributions to routing and location problems. <i>Networks</i> , <b>2003</b> , 42, 109-113  | 1.6 | 1   |
| 16 | Optimisation of the interconnecting network of a UMTS radio mobile telephone system. <i>European Journal of Operational Research</i> , <b>2003</b> , 144, 56-67            | 5.6 | 4   |
| 15 | The Steiner cycle polytope. <i>European Journal of Operational Research</i> , <b>2003</b> , 147, 671-679   | 5.6 | 19  |
| 14 | The One-Commodity Pickup-and-Delivery Travelling Salesman Problem. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 89-104   | 0.9 | 15  |
| 13 | Extending Cell Suppression to Protect Tabular Data against Several Attackers. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 34-58                               | 0.9 | 2   |
| 12 | Solving the Cell Suppression Problem on Tabular Data with Linear Constraints. <i>Management Science</i> , <b>2001</b> , 47, 1008-1027                                      | 3.9 | 37  |
| 11 | Combining complete and partial cell suppression methodologies in statistical disclosure control. <i>Statistical Journal of the IAOS</i> , <b>2001</b> , 18, 355-361        |     |     |
| 10 | A note on the generalized steiner tree polytope. <i>Discrete Applied Mathematics</i> , <b>2000</b> , 100, 137-144  | 1   | 12  |

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|---|---|-----|-----|
| 9 | Models and Algorithms for Optimizing Cell Suppression in Tabular Data with Linear Constraints. <i>Journal of the American Statistical Association</i> , <b>2000</b> , 95, 916-928 | 2.8 | 15  |
| 8 | Separating lifted odd-hole inequalities to solve the index selection problem. <i>Discrete Applied Mathematics</i> , <b>1999</b> , 92, 111-134                                     | 1   | 14  |
| 7 | Models and algorithms for the 2-dimensional cell suppression problem in statistical disclosure control. <i>Mathematical Programming</i> , <b>1999</b> , 84, 283-312               | 2.1 | 34  |
| 6 | Solving the Orienteering Problem through Branch-and-Cut. <i>INFORMS Journal on Computing</i> , <b>1998</b> , 10, 133-148  | 2.4 | 194 |
| 5 | A Branch-and-Cut Algorithm for the Symmetric Generalized Traveling Salesman Problem. <i>Operations Research</i> , <b>1997</b> , 45, 378-394                                       | 2.3 | 301 |
| 4 | A branch-and-cut algorithm for a generalization of the Uncapacitated Facility Location Problem. <i>Top</i> , <b>1996</b> , 4, 135-163   | 1.3 | 15  |
| 3 | Some thoughts on combinatorial optimisation. <i>European Journal of Operational Research</i> , <b>1995</b> , 83, 253-270  | 1.4 | 14  |
| 2 | The symmetric generalized traveling salesman polytope. <i>Networks</i> , <b>1995</b> , 26, 113-123  | 1.6 | 77  |
| 1 | Models and Algorithms for Optimizing Cell Suppression in Tabular Data with Linear Constraints   |     | 13  |