

Juan JosÃ© Salazar-GonzÃ¡lez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/326764/publications.pdf>

Version: 2024-02-01

113
papers

3,944
citations

126708

33
h-index

133063

59
g-index

119
all docs

119
docs citations

119
times ranked

2218
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A Branch-and-Cut Algorithm for the Symmetric Generalized Traveling Salesman Problem. <i>Operations Research</i> , 1997, 45, 378-394. | 1.2 | 385 |
| 2 | An Exact Approach for the Vehicle Routing Problem with Two-Dimensional Loading Constraints. <i>Transportation Science</i> , 2007, 41, 253-264. | 2.6 | 265 |
| 3 | Solving the Orienteering Problem through Branch-and-Cut. <i>INFORMS Journal on Computing</i> , 1998, 10, 133-148. | 1.0 | 236 |
| 4 | A branch-and-cut algorithm for a traveling salesman problem with pickup and delivery. <i>Discrete Applied Mathematics</i> , 2004, 145, 126-139. | 0.5 | 160 |
| 5 | The Ring Star Problem: Polyhedral analysis and exact algorithm. <i>Networks</i> , 2004, 43, 177-189. | 1.6 | 137 |
| 6 | Heuristics for the One-Commodity Pickup-and-Delivery Traveling Salesman Problem. <i>Transportation Science</i> , 2004, 38, 245-255. | 2.6 | 116 |
| 7 | The Capacitated m -Ring-Star Problem. <i>Operations Research</i> , 2007, 55, 1147-1162. | 1.2 | 109 |
| 8 | The symmetric generalized traveling salesman polytope. <i>Networks</i> , 1995, 26, 113-123. | 1.6 | 95 |
| 9 | Projection results for vehicle routing. <i>Mathematical Programming</i> , 2006, 105, 251-274. | 1.6 | 95 |
| 10 | Statistical Confidentiality. , 2011, , . | | 85 |
| 11 | Solving school bus routing using the multiple vehicle traveling purchaser problem: A branch-and-cut approach. <i>Computers and Operations Research</i> , 2012, 39, 391-404. | 2.4 | 81 |
| 12 | A branch-and-cut algorithm for the hub location and routing problem. <i>Computers and Operations Research</i> , 2014, 50, 161-174. | 2.4 | 80 |
| 13 | Locating median cycles in networks. <i>European Journal of Operational Research</i> , 2005, 160, 457-470. | 3.5 | 73 |
| 14 | A hybrid GRASP/VND heuristic for the one-commodity pickup-and-delivery traveling salesman problem. <i>Computers and Operations Research</i> , 2009, 36, 1639-1645. | 2.4 | 71 |
| 15 | A branch-and-cut algorithm for the pickup and delivery traveling salesman problem with LIFO loading. <i>Networks</i> , 2010, 55, 46-59. | 1.6 | 69 |
| 16 | Solving a capacitated hub location problem. <i>European Journal of Operational Research</i> , 2008, 184, 468-479. | 3.5 | 67 |
| 17 | A Branch-and-Cut Algorithm for the Undirected Traveling Purchaser Problem. <i>Operations Research</i> , 2003, 51, 940-951. | 1.2 | 66 |
| 18 | Hybridization of very large neighborhood search for ready-mixed concrete delivery problems. <i>Computers and Operations Research</i> , 2010, 37, 559-574. | 2.4 | 66 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | A column generation approach for a school bus routing problem with resource constraints. <i>Computers and Operations Research</i> , 2013, 40, 566-583. | 2.4 | 66 |
| 20 | Approaches to solve the fleet-assignment, aircraft-routing, crew-pairing and crew-rostering problems of a regional carrier. <i>Omega</i> , 2014, 43, 71-82. | 3.6 | 64 |
| 21 | The one-commodity pickup-and-delivery traveling salesman problem: Inequalities and algorithms. <i>Networks</i> , 2007, 50, 258-272. | 1.6 | 63 |
| 22 | Exact algorithms for the job sequencing and tool switching problem. <i>IIE Transactions</i> , 2004, 36, 37-45. | 2.1 | 60 |
| 23 | A local branching heuristic for the capacitated fixed-charge network design problem. <i>Computers and Operations Research</i> , 2010, 37, 575-581. | 2.4 | 56 |
| 24 | The multi-commodity one-to-one pickup-and-delivery traveling salesman problem. <i>European Journal of Operational Research</i> , 2009, 196, 987-995. | 3.5 | 54 |
| 25 | The split-demand one-commodity pickup-and-delivery travelling salesman problem. <i>Transportation Research Part B: Methodological</i> , 2015, 75, 58-73. | 2.8 | 45 |
| 26 | Solving the Cell Suppression Problem on Tabular Data with Linear Constraints. <i>Management Science</i> , 2001, 47, 1008-1027. | 2.4 | 44 |
| 27 | Optimal Solutions to a Real-World Integrated Airline Scheduling Problem. <i>Transportation Science</i> , 2017, 51, 250-268. | 2.6 | 43 |
| 28 | A heuristic approach for the Travelling Purchaser Problem. <i>European Journal of Operational Research</i> , 2005, 162, 142-152. | 3.5 | 42 |
| 29 | The biobjective travelling purchaser problem. <i>European Journal of Operational Research</i> , 2005, 160, 599-613. | 3.5 | 40 |
| 30 | Single liner shipping service design. <i>Computers and Operations Research</i> , 2014, 45, 1-6. | 2.4 | 40 |
| 31 | The periodic vehicle routing problem with driver consistency. <i>European Journal of Operational Research</i> , 2019, 273, 575-584. | 3.5 | 40 |
| 32 | Models and algorithms for the 2-dimensional cell suppression problem in statistical disclosure control. <i>Mathematical Programming</i> , 1999, 84, 283-312. | 1.6 | 37 |
| 33 | The Generalized Traveling Salesman and Orienteering Problems. <i>Combinatorial Optimization</i> , 2007, , 609-662. | 0.7 | 37 |
| 34 | A branch-and-cut algorithm for the plant-cycle location problem. <i>Journal of the Operational Research Society</i> , 2004, 55, 513-520. | 2.1 | 34 |
| 35 | Stronger multi-commodity flow formulations of the Capacitated Vehicle Routing Problem. <i>European Journal of Operational Research</i> , 2015, 244, 730-738. | 3.5 | 32 |
| 36 | Heuristic approaches for flight retiming in an integrated airline scheduling problem of a regional carrier. <i>Omega</i> , 2020, 91, 102028. | 3.6 | 32 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | A hybrid heuristic approach for the multi-commodity pickup-and-delivery traveling salesman problem. European Journal of Operational Research, 2016, 251, 44-52. | 3.5 | 31 |
| 38 | The multi-commodity pickup-and-delivery traveling salesman problem. Networks, 2014, 63, 46-59. | 1.6 | 30 |
| 39 | The Pickup and Delivery Problem with Split Loads and Transshipments: A Branch-and-Cut Solution Approach. European Journal of Operational Research, 2021, 289, 470-484. | 3.5 | 29 |
| 40 | Solving the asymmetric traveling purchaser problem. Annals of Operations Research, 2006, 144, 83-97. | 2.6 | 27 |
| 41 | The Capacitated Vehicle Routing Problem: Stronger bounds in pseudo-polynomial time. European Journal of Operational Research, 2019, 272, 24-31. | 3.5 | 27 |
| 42 | Laying Out Sparse Graphs with Provably Minimum Bandwidth. INFORMS Journal on Computing, 2005, 17, 356-373. | 1.0 | 24 |
| 43 | Heuristic algorithm for the Split-Demand One-Commodity Pickup-and-Delivery Travelling Salesman Problem. Computers and Operations Research, 2018, 97, 1-17. | 2.4 | 24 |
| 44 | Exact Approach for the Vehicle Routing Problem with Stochastic Demands and Preventive Returns. Transportation Science, 2018, 52, 1463-1478. | 2.6 | 24 |
| 45 | Models and Algorithms for Optimizing Cell Suppression in Tabular Data with Linear Constraints. Journal of the American Statistical Association, 2000, 95, 916-928. | 1.8 | 23 |
| 46 | Exact approaches to the single-source network loading problem. Networks, 2012, 59, 89-106. | 1.6 | 23 |
| 47 | The Steiner cycle polytope. European Journal of Operational Research, 2003, 147, 671-679. | 3.5 | 22 |
| 48 | Chapter 7: Pickup-and-Delivery Problems for People Transportation. , 2014, , 193-212. | | 22 |
| 49 | A Branch-and-Price Algorithm for the Vehicle Routing Problem with Stochastic Demands and Probabilistic Duration Constraints. Transportation Science, 2021, 55, 122-138. | 2.6 | 22 |
| 50 | Decorous Lower Bounds for Minimum Linear Arrangement. INFORMS Journal on Computing, 2011, 23, 26-40. | 1.0 | 21 |
| 51 | Partial cell suppression: A new methodology for statistical disclosure control. Statistics and Computing, 2003, 13, 13-21. | 0.8 | 20 |
| 52 | The Balanced Minimum Evolution Problem. INFORMS Journal on Computing, 2012, 24, 276-294. | 1.0 | 20 |
| 53 | A branch-and-cut algorithm for a generalization of the Uncapacitated Facility Location Problem. Top, 1996, 4, 135-163. | 1.1 | 18 |
| 54 | The One-Commodity Pickup-and-Delivery Travelling Salesman Problem. Lecture Notes in Computer Science, 2003, , 89-104. | 1.0 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | 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> , 2014, 16, 111-126. | 2.0 | 18 |
| 56 | Some thoughts on combinatorial optimisation. <i>European Journal of Operational Research</i> , 1995, 83, 253-270. | 3.5 | 17 |
| 57 | Statistical confidentiality: Optimization techniques to protect tables. <i>Computers and Operations Research</i> , 2008, 35, 1638-1651. | 2.4 | 17 |
| 58 | A hybrid heuristic approach for the multi-commodity one-to-one pickup-and-delivery traveling salesman problem. <i>Journal of Heuristics</i> , 2012, 18, 849-867. | 1.1 | 17 |
| 59 | Separating lifted odd-hole inequalities to solve the index selection problem. <i>Discrete Applied Mathematics</i> , 1999, 92, 111-134. | 0.5 | 16 |
| 60 | A Unified Mathematical Programming Framework for Different Statistical Disclosure Limitation Methods. <i>Operations Research</i> , 2005, 53, 819-829. | 1.2 | 16 |
| 61 | Stronger multi-commodity flow formulations of the (capacitated) sequential ordering problem. <i>European Journal of Operational Research</i> , 2016, 251, 74-84. | 3.5 | 16 |
| 62 | A note on the generalized steiner tree polytope. <i>Discrete Applied Mathematics</i> , 2000, 100, 137-144. | 0.5 | 15 |
| 63 | An algorithm for checking whether the toric ideal of an affine monomial curve is a complete intersection. <i>Journal of Symbolic Computation</i> , 2007, 42, 971-991. | 0.5 | 15 |
| 64 | A branch-and-cut algorithm for two-level survivable network design problems. <i>Computers and Operations Research</i> , 2016, 67, 102-112. | 2.4 | 15 |
| 65 | An algorithmic framework for the exact solution of tree-star problems. <i>European Journal of Operational Research</i> , 2017, 261, 54-66. | 3.5 | 15 |
| 66 | The traveling purchaser problem, with multiple stacks and deliveries: A branch-and-cut approach. <i>Computers and Operations Research</i> , 2013, 40, 2103-2115. | 2.4 | 13 |
| 67 | Solving the Team Orienteering Arc Routing Problem with a column generation approach. <i>European Journal of Operational Research</i> , 2017, 262, 14-27. | 3.5 | 13 |
| 68 | The driver and vehicle routing problem. <i>Computers and Operations Research</i> , 2018, 92, 56-64. | 2.4 | 13 |
| 69 | A Branch-and-cut algorithm for the split-demand one-commodity pickup-and-delivery travelling salesman problem. <i>European Journal of Operational Research</i> , 2022, 297, 467-483. | 3.5 | 13 |
| 70 | Models and Algorithms for Optimizing Cell Suppression in Tabular Data with Linear Constraints. , 0, . | | 13 |
| 71 | A heuristic approach for an integrated fleet-assignment, aircraft-routing and crew-pairing problem. <i>Electronic Notes in Discrete Mathematics</i> , 2013, 41, 391-398. | 0.4 | 12 |
| 72 | Reverse multistar inequalities and vehicle routing problems with a lower bound on the number of customers per route. <i>Networks</i> , 2013, 61, 309-321. | 1.6 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Controlled rounding and cell perturbation: statistical disclosure limitation methods for tabular data. <i>Mathematical Programming</i> , 2006, 105, 583-603. | 1.6 | 11 |
| 74 | Mathematical models to reconstruct phylogenetic trees under the minimum evolution criterion. <i>Networks</i> , 2009, 53, 126-140. | 1.6 | 11 |
| 75 | On the one-commodity pickup-and-delivery traveling salesman problem with stochastic demands. <i>Mathematical Programming</i> , 2009, 119, 169-194. | 1.6 | 10 |
| 76 | The ring/rings network design problem: Model and branch-and-cut algorithm. <i>Networks</i> , 2016, 68, 130-140. | 1.6 | 10 |
| 77 | Balanced vehicle routing: Polyhedral analysis and branch-and-cut algorithm. <i>European Journal of Operational Research</i> , 2019, 273, 452-463. | 3.5 | 10 |
| 78 | The probabilistic pickup-and-delivery travelling salesman problem. <i>Expert Systems With Applications</i> , 2019, 121, 313-323. | 4.4 | 9 |
| 79 | Mathematical models for applying cell suppression methodology in statistical data protection. <i>European Journal of Operational Research</i> , 2004, 154, 740-754. | 3.5 | 8 |
| 80 | Solving the Single Vehicle Routing Problem with Variable Capacity. <i>Transportation Science</i> , 2016, 50, 708-719. | 2.6 | 8 |
| 81 | The connected facility location polytope. <i>Discrete Applied Mathematics</i> , 2018, 234, 151-167. | 0.5 | 7 |
| 82 | A branch-and-cut algorithm for the continuous error localization problem in data cleaning. <i>Computers and Operations Research</i> , 2007, 34, 2790-2804. | 2.4 | 6 |
| 83 | A MIP-based approach to solve the prize-collecting local access network design problem. <i>European Journal of Operational Research</i> , 2014, 235, 727-739. | 3.5 | 6 |
| 84 | Enhanced controlled tabular adjustment. <i>Computers and Operations Research</i> , 2014, 43, 61-67. | 2.4 | 6 |
| 85 | On the Asymmetric Connected Facility Location Polytope. <i>Lecture Notes in Computer Science</i> , 2014, , 371-383. | 1.0 | 6 |
| 86 | Optimisation of the interconnecting network of a UMTS radio mobile telephone system. <i>European Journal of Operational Research</i> , 2003, 144, 56-67. | 3.5 | 4 |
| 87 | Getting the Best Results in Controlled Rounding with the Least Effort. <i>Lecture Notes in Computer Science</i> , 2004, , 58-72. | 1.0 | 4 |
| 88 | An Iterated Local Search Heuristic for a Capacitated Hub Location Problem. <i>Lecture Notes in Computer Science</i> , 2006, , 70-81. | 1.0 | 4 |
| 89 | A New Lower Bound for the Minimum Linear Arrangement of a Graph. <i>Electronic Notes in Discrete Mathematics</i> , 2008, 30, 87-92. | 0.4 | 4 |
| 90 | On the Vehicle Routing Problem with lower bound capacities. <i>Electronic Notes in Discrete Mathematics</i> , 2010, 36, 1001-1008. | 0.4 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Hierarchical Survivable Network Design Problems. <i>Electronic Notes in Discrete Mathematics</i> , 2016, 52, 229-236. | 0.4 | 4 |
| 92 | An exact algorithm for a Vehicle-and-Driver Scheduling Problem. <i>Computers and Operations Research</i> , 2017, 81, 247-256. | 2.4 | 4 |
| 93 | A heuristic approach for the continuous error localization problem in data cleaning. <i>Computers and Operations Research</i> , 2007, 34, 2370-2383. | 2.4 | 3 |
| 94 | Polynomial-time separation of Enhanced Reverse Multistar inequalities. <i>Operations Research Letters</i> , 2013, 41, 294-297. | 0.5 | 3 |
| 95 | Optimal Solutions for the Vehicle Routing Problem with Split Demands. <i>Lecture Notes in Computer Science</i> , 2019, , 189-203. | 1.0 | 3 |
| 96 | Some recent contributions to routing and location problems. <i>Networks</i> , 2003, 42, 109-113. | 1.6 | 2 |
| 97 | Designing optimal masks for a multi-object spectrometer. <i>Omega</i> , 2021, 103, 102392. | 3.6 | 2 |
| 98 | A New Approach to Round Tabular Data. <i>Lecture Notes in Computer Science</i> , 2006, , 25-34. | 1.0 | 2 |
| 99 | Extending Cell Suppression to Protect Tabular Data against Several Attackers. <i>Lecture Notes in Computer Science</i> , 2002, , 34-58. | 1.0 | 2 |
| 100 | Decomposition Approaches for a Capacitated Hub Problem. <i>Lecture Notes in Computer Science</i> , 2004, , 154-163. | 1.0 | 2 |
| 101 | Lower Bounds for the Minimum Linear Arrangement of a Graph. <i>Electronic Notes in Discrete Mathematics</i> , 2010, 36, 843-849. | 0.4 | 1 |
| 102 | Generalized network design polyhedra. <i>Networks</i> , 2011, 58, 125-136. | 1.6 | 1 |
| 103 | An Exact Algorithm for the Split-Demand One-Commodity Pickup-and-delivery Travelling Salesman Problem. <i>Lecture Notes in Computer Science</i> , 2018, , 241-252. | 1.0 | 1 |
| 104 | A New Tool for Applying Controlled Rounding to a Statistical Table in Microsoft Excel. <i>Lecture Notes in Computer Science</i> , 2004, , 44-57. | 1.0 | 1 |
| 105 | Further Developments with Perturbation Techniques to Protect Tabular Data. <i>Lecture Notes in Computer Science</i> , 2014, , 24-35. | 1.0 | 1 |
| 106 | Combining complete and partial cell suppression methodologies in statistical disclosure control. <i>Statistical Journal of the IAOS</i> , 2001, 18, 355-361. | 0.1 | 0 |
| 107 | Algorithms for automatic data editing. <i>Statistical Journal of the IAOS</i> , 2004, 20, 255-264. | 0.1 | 0 |
| 108 | A new approach for data editing and imputation. <i>Mathematical Methods of Operations Research</i> , 2008, 68, 407-428. | 0.4 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Comments on: Routing problems with loading constraints. Top, 2010, 18, 36-38. | 1.1 | 0 |
| 110 | International Network Optimization Conference, Tenerife 2013. Electronic Notes in Discrete Mathematics, 2013, 41, 1-3. | 0.4 | 0 |
| 111 | Selective routing problem with synchronization. Computers and Operations Research, 2021, 135, 105465. | 2.4 | 0 |
| 112 | Protecting Tabular Data. , 2011, , 65-92. | | 0 |
| 113 | A Heuristic Algorithm for a Prize-Collecting Local Access Network Design Problem. Lecture Notes in Computer Science, 2011, , 139-144. | 1.0 | 0 |