

# Mauricio Granada

## 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.

22  
papers

220  
citations

8  
h-index

14  
g-index

25  
ext. papers

290  
ext. citations

1.5  
avg, IF

3.52  
L-index

| #  | Paper                                                                                                                                                                                                                                           | IF  | Citations |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 22 | Improved Genetic Algorithm for Phase-Balancing in Three-Phase Distribution Networks: A Master-Slave Optimization Approach. <i>Computation</i> , <b>2021</b> , 9, 67                                                                             | 2.2 | 9         |
| 21 | Optimal Location and Sizing of DGs in DC Networks Using a Hybrid Methodology Based on the PPBIL Algorithm and the VSA. <i>Mathematics</i> , <b>2021</b> , 9, 1913                                                                               | 2.3 | 3         |
| 20 | Electric vehicle routing problem with backhauls considering the location of charging stations and the operation of the electric power distribution system. <i>Tecno Lógicas</i> , <b>2019</b> , 22, 1-20                                        | 0.6 | 5         |
| 19 | An MIP formulation for the open location-routing problem considering the topological characteristic of the solution-paths. <i>Networks</i> , <b>2019</b> , 74, 374-388                                                                          | 1.6 | 4         |
| 18 | Integrated Methodology for the Planning of Electrical Distribution System Considering the Continuity of the Service and the Reduction of Technical Losses. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 537-551    | 0.3 |           |
| 17 | Optimal management of vegetation maintenance and the associated costs of its implementation in overhead power distribution systems. <i>Tecno Lógicas</i> , <b>2019</b> , 22, 91-107                                                             | 0.6 | 0         |
| 16 | Optimal Planning and Operation of Distribution Systems Considering Distributed Energy Resources and Automatic Reclosers. <i>IEEE Latin America Transactions</i> , <b>2018</b> , 16, 126-134                                                     | 0.7 | 9         |
| 15 | A metaheuristic algorithm for the multi-depot vehicle routing problem with heterogeneous fleet. <i>International Journal of Industrial Engineering Computations</i> , <b>2018</b> , 461-478                                                     | 1.7 | 8         |
| 14 | A heuristic algorithm based on tabu search for vehicle routing problems with backhauls. <i>Decision Science Letters</i> , <b>2018</b> , 171-180                                                                                                 | 1.3 | 4         |
| 13 | Integrated planning of electric vehicles routing and charging stations location considering transportation networks and power distribution systems. <i>International Journal of Industrial Engineering Computations</i> , <b>2018</b> , 535-550 | 1.7 | 6         |
| 12 | Optimal Location of Protective Devices Using Multi-objective Approach. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 3-15                                                                                           | 0.3 | 1         |
| 11 | A multi-objective model for the green capacitated location-routing problem considering environmental impact. <i>Computers and Industrial Engineering</i> , <b>2017</b> , 110, 114-125                                                           | 6.4 | 81        |
| 10 | Optimal location, sizing and operation of energy storage in distribution systems using multi-objective approach. <i>IEEE Latin America Transactions</i> , <b>2017</b> , 15, 1084-1090                                                           | 0.7 | 14        |
| 9  | Optimal probabilistic charging of electric vehicles in distribution systems. <i>IET Electrical Systems in Transportation</i> , <b>2017</b> , 7, 246-251                                                                                         | 2.1 | 31        |
| 8  | Green open location-routing problem considering economic and environmental costs. <i>International Journal of Industrial Engineering Computations</i> , <b>2017</b> , 203-216                                                                   | 1.7 | 8         |
| 7  | A multi-objective Pareto ant colony algorithm for the Multi-Depot Vehicle Routing problem with Backhauls. <i>International Journal of Industrial Engineering Computations</i> , <b>2016</b> , 35-48                                             | 1.7 | 4         |
| 6  | Optimal planning of secondary distribution systems considering distributed generation and network reliability <b>2016</b> ,                                                                                                                     |     | 1         |

|   |                                                                                                                                                                                                                      |     |    |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 5 | An Efficient Three Phase Four Wire Radial Power Flow Including Neutral-Earth Effect. <i>Journal of Control, Automation and Electrical Systems</i> , <b>2013</b> , 24, 690-701                                        | 1.5 | 8  |
| 4 | Probabilistic Algorithms for Power Load Flow and Short-Circuit Analysis in Distribution Networks with Dispersed Generation. <i>Journal of Control, Automation and Electrical Systems</i> , <b>2013</b> , 24, 324-338 | 1.5 | 2  |
| 3 | Optimal Phase Balancing Planning for Loss Reduction in Distribution Systems using a Specialized Genetic Algorithm. <i>Ingeniería Y Ciencia</i> , <b>2012</b> , 8, 121-140                                            | 0.5 | 17 |
| 2 | Fluxo de potência AC para operação independente de linhas interligadas. <i>Controle and Automacao</i> , <b>2011</b> , 22, 325-333                                                                                    |     |    |
| 1 | Multi-area decentralized optimal VAR planning using the Dantzig-Wolfe decomposition principle <b>2010</b> ,                                                                                                          |     | 4  |