

# Luis Fernando Grisales Norea

## List of Publications by Citations

**Source:**

<https://exaly.com/author-pdf/3070460/luis-fernando-grisales-norena-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

74  
papers

714  
citations

14  
h-index

23  
g-index

83  
ext. papers

1,068  
ext. citations

2.3  
avg, IF

5.23  
L-index

#	Paper	IF	Citations
74	Economic dispatch of energy storage systems in dc microgrids employing a semidefinite programming model. <i>Journal of Energy Storage</i> , <b>2019</b> , 21, 1-8	7.8	66
73	Optimal Sizing and Location of Distributed Generators Based on PBIL and PSO Techniques. <i>Energies</i> , <b>2018</b> , 11, 1018	3.1	59
72	Linear power flow formulation for low-voltage DC power grids. <i>Electric Power Systems Research</i> , <b>2018</b> , 163, 375-381	3.5	54
71	. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2019</b> , 66, 1865-1869	3.5	38
70	An exact MINLP model for optimal location and sizing of DGs in distribution networks: A general algebraic modeling system approach. <i>Ain Shams Engineering Journal</i> , <b>2020</b> , 11, 409-418	4.4	34
69	An energy management system for optimal operation of BSS in DC distributed generation environments based on a parallel PSO algorithm. <i>Journal of Energy Storage</i> , <b>2020</b> , 29, 101488	7.8	33
68	Integration of energy storage systems in AC distribution networks: Optimal location, selecting, and operation approach based on genetic algorithms. <i>Journal of Energy Storage</i> , <b>2019</b> , 25, 100891	7.8	24
67	Economic Dispatch of BESS and Renewable Generators in DC Microgrids Using Voltage-Dependent Load Models. <i>Energies</i> , <b>2019</b> , 12, 4494	3.1	22
66	Optimal Selection and Location of Fixed-Step Capacitor Banks in Distribution Networks Using a Discrete Version of the Vortex Search Algorithm. <i>Energies</i> , <b>2020</b> , 13, 4914	3.1	20
65	Economic Dispatch of Renewable Generators and BESS in DC Microgrids Using Second-Order Cone Optimization. <i>Energies</i> , <b>2020</b> , 13, 1703	3.1	20
64	Optimal Location and Sizing of PV Sources in DC Networks for Minimizing Greenhouse Emissions in Diesel Generators. <i>Symmetry</i> , <b>2020</b> , 12, 322	2.7	18
63	Optimal Placement and Sizing of Wind Generators in AC Grids Considering Reactive Power Capability and Wind Speed Curves. <i>Sustainability</i> , <b>2020</b> , 12, 2983	3.6	17
62	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
61	Optimal Power Flow in Direct-Current Power Grids via Black Hole Optimization. <i>Advances in Electrical and Electronic Engineering</i> , <b>2019</b> , 17,	1.5	14
60	Relaxed convex model for optimal location and sizing of DGs in DC grids using sequential quadratic programming and random hyperplane approaches. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2020</b> , 115, 105442	5.1	13
59	Energy Management in PV Based Microgrids Designed for the Universidad Nacional de Colombia. <i>Sustainability</i> , <b>2020</b> , 12, 1219	3.6	12
58	Metaheuristic Optimization Methods for Optimal Power Flow Analysis in DC Distribution Networks <b>2020</b> , 1, 13-31		12

57	A Chronological Literature Review of Electric Vehicle Interactions with Power Distribution Systems. <i>Energies</i> , <b>2020</b> , 13, 3016	3.1	10
56	Vortex Search Algorithm for Optimal Power Flow Analysis in DC Resistive Networks With CPLs. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2020</b> , 67, 1439-1443	3.5	10
55	Nonlinear Control for Battery Energy Storage Systems in Power Grids <b>2018</b> ,		10
54	Accurate and Efficient Derivative-Free Three-Phase Power Flow Method for Unbalanced Distribution Networks. <i>Computation</i> , <b>2021</b> , 9, 61	2.2	10
53	A method for estimating electricity consumption patterns of buildings to implement Energy Management Systems. <i>Journal of Building Engineering</i> , <b>2019</b> , 25, 100774	5.2	9
52	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
51	Ubicaci3n y dimensionamiento de generaci3n distribuida: Una revisi3n. <i>Ciencia E Ingenier3a Neogranadina</i> , <b>2017</b> , 27, 157-176	0.3	9
50	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
49	Triangular Matrix Formulation for Power Flow Analysis in Radial DC Resistive Grids With CPLs. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2020</b> , 67, 1094-1098	3.5	9
48	Simultaneous Minimization of Energy Losses and Greenhouse Gas Emissions in AC Distribution Networks Using BESS. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 1002	2.6	8
47	<b>2015</b> ,		7
46	Efficient Reduction in the Annual Investment Costs in AC Distribution Networks via Optimal Integration of Solar PV Sources Using the Newton Metaheuristic Algorithm. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 11525	2.6	7
45	Optimal Investments in PV Sources for Grid-Connected Distribution Networks: An Application of the Discrete-Continuous Genetic Algorithm. <i>Sustainability</i> , <b>2021</b> , 13, 13633	3.6	7
44	Determination of the Voltage Stability Index in DC Networks with CPLs: A GAMS Implementation. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 552-564	0.3	7
43	Optimal Demand Reconfiguration in Three-Phase Distribution Grids Using an MI-Convex Model. <i>Symmetry</i> , <b>2021</b> , 13, 1124	2.7	7
42	Hybrid Metaheuristic Optimization Methods for Optimal Location and Sizing DGs in DC Networks. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 214-225	0.3	6
41	Optimal power flow solution in direct current grids using Sine-Cosine algorithm. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1403, 012009	0.3	6
40	Optimal Location and Sizing of Distributed Generators in DC Networks Using a Hybrid Method Based on Parallel PBIL and PSO. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1808	2.6	5

39	Optimal Design of PV Systems in Electrical Distribution Networks by Minimizing the Annual Equivalent Operative Costs through the Discrete-Continuous Vortex Search Algorithm.. <i>Sensors</i> , <b>2022</b> , 22,	3.8	5
38	Hybrid Optimization Strategy for Optimal Location and Sizing of DG in Distribution Networks. <i>Tecnura</i> , <b>2020</b> , 24, 47-61	1.8	5
37	Sine-Cosine Algorithm for OPF Analysis in Distribution Systems to Size Distributed Generators. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 28-39	0.3	5
36	<b>2018</b> ,		5
35	Application of the Multiverse Optimization Method to Solve the Optimal Power Flow Problem in Direct Current Electrical Networks. <i>Sustainability</i> , <b>2021</b> , 13, 8703	3.6	5
34	Optimal Placement and Sizing of PV Sources in Distribution Grids Using a Modified Gradient-Based Metaheuristic Optimizer. <i>Sustainability</i> , <b>2022</b> , 14, 3318	3.6	5
33	A Comparative Study on Power Flow Methods for Direct-Current Networks Considering Processing Time and Numerical Convergence Errors. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 2062	2.6	4
32	An MI-SDP Model for Optimal Location and Sizing of Distributed Generators in DC Grids That Guarantees the Global Optimum. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 7681	2.6	4
31	Solution of the optimal power flow problem in direct current grids applying the hurricane optimization algorithm. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1448, 012015	0.3	4
30	Vortex Search Algorithm for Optimal Sizing of Distributed Generators in AC Distribution Networks with Radial Topology. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 235-249	0.3	4
29	On the mathematical modeling for optimal selecting of calibers of conductors in DC radial distribution networks: An MINLP approach. <i>Electric Power Systems Research</i> , <b>2021</b> , 194, 107072	3.5	4
28	Estimation of the parameters of the mathematical model of an equivalent diode of a photovoltaic panel using a continuous genetic algorithm. <i>IEEE Latin America Transactions</i> , <b>2022</b> , 20, 616-623	0.7	3
27	Optimal Design of Transmission Shafts: a Continuous Genetic Algorithm Approach. <i>Statistics, Optimization and Information Computing</i> , <b>2019</b> , 7,	1.7	3
26	Ubicaci3n y operaci3n eficiente de almacenadores de energ3a en micro-redes en presencia de generaci3n distribuida. <i>Revista CINTEX</i> , <b>2017</b> , 22, 97-117	0	3
25	Hybrid GA-SOCP Approach for Placement and Sizing of Distributed Generators in DC Networks. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 8616	2.6	3
24	A Mixed-Integer Conic Formulation for Optimal Placement and Dimensioning of DGs in DC Distribution Networks. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 176	2.6	3
23	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
22	Application of the backward/forward sweep method for solving the power flow problem in DC networks with radial structure. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1448, 012012	0.3	2

21	Optimal Power Dispatch of Distributed Generators in Direct Current Networks Using a Master-Slave Methodology That Combines the Salp Swarm Algorithm and the Successive Approximation Method. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2837	2.6	2
20	Convergence analysis of the triangular-based power flow method for AC distribution grids. <i>International Journal of Electrical and Computer Engineering</i> , <b>2022</b> , 12, 41	1.4	2
19	SHP Assessment for a Run-of-River (RoR) Scheme Using a Rectangular Mesh Sweeping Approach (MSA) Based on GIS. <i>Energies</i> , <b>2021</b> , 14, 3095	3.1	2
18	Optimal Power Dispatch in Direct Current Networks to Reduce Energy Production Costs and (hbox {CO}_2) Emissions Using the Antlion Optimization Algorithm. <i>Arabian Journal for Science and Engineering</i> , <b>2021</b> , 46, 9995-10006	2.5	2
17	Approximated Mixed-Integer Convex Model for Phase Balancing in Three-Phase Electric Networks. <i>Computers</i> , <b>2021</b> , 10, 109	1.9	2
16	Optimal Economic-Environmental Operation of BESS in AC Distribution Systems: A Convex Multi-Objective Formulation. <i>Computation</i> , <b>2021</b> , 9, 137	2.2	2
15	Adaptive Sliding-Mode Controller for Flyback-Based PV Systems Featuring Constant Switching Frequency. <i>Mathematics</i> , <b>2022</b> , 10, 1255	2.3	2
14	A quadratic convex approximation for optimal operation of battery energy storage systems in DC distribution networks. <i>Energy Systems</i> , 1	1.7	1
13	Control Global del Pédulo con Rueda de Reacciñ Empleado Redes Neuronales Artificiales y Linealizaciñ Extendida. <i>Scientia Et Technica</i> , <b>2017</b> , 22, 130	1.7	1
12	Optimal Sizing of DGs in AC Distribution Networks via Black Hole Optimization <b>2018</b> ,		1
11	Optimization of the Efficiency of a Michell-Banki Turbine Through the Variation of Its Geometrical Parameters Using a PSO Algorithm. <i>WSEAS Transactions on Applied and Theoretical Mechanics</i> , <b>2021</b> , 16, 37-46	0.6	1
10	Optimization of corona ring for 230 kV polymeric insulator based on finite element method and PSO algorithm. <i>Electric Power Systems Research</i> , <b>2021</b> , 201, 107521	3.5	1
9	Optimal Allocation and Sizing of PV Generation Units in Distribution Networks via the Generalized Normal Distribution Optimization Approach. <i>Computers</i> , <b>2022</b> , 11, 53	1.9	1
8	Black hole optimizer for the optimal power injection in distribution networks using DG. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2135, 012010	0.3	1
7	On the optimal reconfiguration of radial AC distribution networks using an MINLP formulation: A GAMS-based approach. <i>Ingenieria E Investigacion</i> , <b>2022</b> , 42, e91192	0.3	1
6	Optimal economic-environmental dispatch in MT-HVDC systems via sine-cosine algorithm. <i>Results in Engineering</i> , <b>2022</b> , 13, 100348	3.3	0
5	Application of the Multiverse Optimization Method to Solve the Optimal Power Flow Problem in Alternating Current Networks. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 1287	2.6	0
4	H2 controller design on engine rotor rotation. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1674, 012002	0.3	

- 3 Optimal Design of Transmission Shafts Using a Vortex Search Algorithm. *Arabian Journal for Science and Engineering*, **2021**, 46, 3293-3300 2.5
- 2 Diseño óptimo de un resorte helicoidal usando un algoritmo genético continuo. *Tecnura*, **2021**, 25, 32-45 1.8
- 1 Application of the Sine-Cosine Algorithm to the Optimal Design of a Closed Coil Helical Spring. *TESEA, Transactions on Energy Systems and Engineering Applications*, **2021**, 2, 33-38