Luis Fernando Grisales Norea

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.

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	Optimal Design of PV Systems in Electrical Distribution Networks by Minimizing the Annual Equivalent Operative Costs through the Discrete-Continuous Vortex Search Algorithm.. *Sensors*, **2022**, 22,	3.8	5
73	Optimal economic-environmental dispatch in MT-HVDC systems via sine-cosine algorithm. *Results in Engineering*, **2022**, 13, 100348	3.3	0
72	Estimation of the parameters of the mathematical model of an equivalent diode of a photovoltaic panel using a continuous genetic algorithm. *IEEE Latin America Transactions*, **2022**, 20, 616-623	0.7	3
71	Convergence analysis of the triangular-based power flow method for AC distribution grids. *International Journal of Electrical and Computer Engineering*, **2022**, 12, 41	1.4	2
70	Optimal Allocation and Sizing of PV Generation Units in Distribution Networks via the Generalized Normal Distribution Optimization Approach. *Computers*, **2022**, 11, 53	1.9	1
69	Optimal Placement and Sizing of PV Sources in Distribution Grids Using a Modified Gradient-Based Metaheuristic Optimizer. *Sustainability*, **2022**, 14, 3318	3.6	5
68	Adaptive Sliding-Mode Controller for Flyback-Based PV Systems Featuring Constant Switching Frequency. *Mathematics*, **2022**, 10, 1255	2.3	2
67	Application of the Multiverse Optimization Method to Solve the Optimal Power Flow Problem in Alternating Current Networks. *Electronics (Switzerland)*, **2022**, 11, 1287	2.6	0
66	On the optimal reconfiguration of radial AC distribution networks using an MINLP formulation: A GAMS-based approach. *Ingenieria E Investigacion*, **2022**, 42, e91192	0.3	1
65	Efficient Reduction in the Annual Investment Costs in AC Distribution Networks via Optimal Integration of Solar PV Sources Using the Newton Metaheuristic Algorithm. *Applied Sciences (Switzerland)*, **2021**, 11, 11525	2.6	7
64	Optimal Investments in PV Sources for Grid-Connected Distribution Networks: An Application of the Discrete-Continuous Genetic Algorithm. *Sustainability*, **2021**, 13, 13633	3.6	7
63	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. *Electronics (Switzerland)*, **2021**, 10, 2837	2.6	2
62	Simultaneous Minimization of Energy Losses and Greenhouse Gas Emissions in AC Distribution Networks Using BESS. *Electronics (Switzerland)*, **2021**, 10, 1002	2.6	8
61	On the mathematical modeling for optimal selecting of calibers of conductors in DC radial distribution networks: An MINLP approach. *Electric Power Systems Research*, **2021**, 194, 107072	3.5	4
60	SHP Assessment for a Run-of-River (RoR) Scheme Using a Rectangular Mesh Sweeping Approach (MSA) Based on GIS. *Energies*, **2021**, 14, 3095	3.1	2
59	Accurate and Efficient Derivative-Free Three-Phase Power Flow Method for Unbalanced Distribution Networks. *Computation*, **2021**, 9, 61	2.2	10
58	Optimal Power Dispatch in Direct Current Networks to Reduce Energy Production Costs and (hbox {CO}_2) Emissions Using the Antlion Optimization Algorithm. *Arabian Journal for Science and Engineering*, **2021**, 46, 9995-10006	2.5	2

57	Improved Genetic Algorithm for Phase-Balancing in Three-Phase Distribution Networks: A Master-Slave Optimization Approach. *Computation*, **2021**, 9, 67	2.2	9
56	Optimal Demand Reconfiguration in Three-Phase Distribution Grids Using an MI-Convex Model. *Symmetry*, **2021**, 13, 1124	2.7	7
55	A Mixed-Integer Conic Formulation for Optimal Placement and Dimensioning of DGs in DC Distribution Networks. *Electronics (Switzerland)*, **2021**, 10, 176	2.6	3
54	Optimal Design of Transmission Shafts Using a Vortex Search Algorithm. *Arabian Journal for Science and Engineering*, **2021**, 46, 3293-3300	2.5	
53	Optimal Location and Sizing of DGs in DC Networks Using a Hybrid Methodology Based on the PPBIL Algorithm and the VSA. *Mathematics*, **2021**, 9, 1913	2.3	3
52	Application of the Multiverse Optimization Method to Solve the Optimal Power Flow Problem in Direct Current Electrical Networks. *Sustainability*, **2021**, 13, 8703	3.6	5
51	Optimization of the Efficiency of a Michell□Banki Turbine Through the Variation of Its Geometrical Parameters Using a PSO Algorith. *WSEAS Transactions on Applied and Theoretical Mechanics*, **2021**, 16, 37-46	0.6	1
50	Approximated Mixed-Integer Convex Model for Phase Balancing in Three-Phase Electric Networks. *Computers*, **2021**, 10, 109	1.9	2
49	Optimization of corona ring for 230 kV polymeric insulator based on finite element method and PSO algorithm. *Electric Power Systems Research*, **2021**, 201, 107521	3.5	1
48	Diseño óptimo de un resorte helicoidal usando un algoritmo genético continuo. *Tecnura*, **2021**, 25, 32-45	1.8	
47	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		
46	Optimal Economic□Environmental Operation of BESS in AC Distribution Systems: A Convex Multi-Objective Formulation. *Computation*, **2021**, 9, 137	2.2	2
45	Black hole optimizer for the optimal power injection in distribution networks using DG. *Journal of Physics: Conference Series*, **2021**, 2135, 012010	0.3	1
44	A Comparative Study on Power Flow Methods for Direct-Current Networks Considering Processing Time and Numerical Convergence Errors. *Electronics (Switzerland)*, **2020**, 9, 2062	2.6	4
43	An MI-SDP Model for Optimal Location and Sizing of Distributed Generators in DC Grids That Guarantees the Global Optimum. *Applied Sciences (Switzerland)*, **2020**, 10, 7681	2.6	4
42	Optimal Selection and Location of Fixed-Step Capacitor Banks in Distribution Networks Using a Discrete Version of the Vortex Search Algorithm. *Energies*, **2020**, 13, 4914	3.1	20
41	Optimal Location and Sizing of Distributed Generators in DC Networks Using a Hybrid Method Based on Parallel PBIL and PSO. *Electronics (Switzerland)*, **2020**, 9, 1808	2.6	5
40	Solution of the optimal power flow problem in direct current grids applying the hurricane optimization algorithm. *Journal of Physics: Conference Series*, **2020**, 1448, 012015	0.3	4

39	Economic Dispatch of Renewable Generators and BESS in DC Microgrids Using Second-Order Cone Optimization. *Energies*, **2020**, 13, 1703	3.1	20
38	Application of the backward/forward sweep method for solving the power flow problem in DC networks with radial structure. *Journal of Physics: Conference Series*, **2020**, 1448, 012012	0.3	2
37	A Chronological Literature Review of Electric Vehicle Interactions with Power Distribution Systems. *Energies*, **2020**, 13, 3016	3.1	10
36	Vortex Search Algorithm for Optimal Power Flow Analysis in DC Resistive Networks With CPLs. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2020**, 67, 1439-1443	3.5	10
35	Optimal Location and Sizing of PV Sources in DC Networks for Minimizing Greenhouse Emissions in Diesel Generators. *Symmetry*, **2020**, 12, 322	2.7	18
34	Energy Management in PV Based Microgrids Designed for the Universidad Nacional de Colombia. *Sustainability*, **2020**, 12, 1219	3.6	12
33	Optimal Placement and Sizing of Wind Generators in AC Grids Considering Reactive Power Capability and Wind Speed Curves. *Sustainability*, **2020**, 12, 2983	3.6	17
32	Hybrid Optimization Strategy for Optimal Location and Sizing of DG in Distribution Networks. *Tecnura*, **2020**, 24, 47-61	1.8	5
31	Metaheuristic Optimization Methods for Optimal Power Flow Analysis in DC Distribution Networks **2020**, 1, 13-31		12
30	H2 controller design on engine rotor rotation. *Journal of Physics: Conference Series*, **2020**, 1674, 012002	0.3	
29	An energy management system for optimal operation of BSS in DC distributed generation environments based on a parallel PSO algorithm. *Journal of Energy Storage*, **2020**, 29, 101488	7.8	33
28	An exact MINLP model for optimal location and sizing of DGs in distribution networks: A general algebraic modeling system approach. *Ain Shams Engineering Journal*, **2020**, 11, 409-418	4.4	34
27	Hybrid GA-SOCP Approach for Placement and Sizing of Distributed Generators in DC Networks. *Applied Sciences (Switzerland)*, **2020**, 10, 8616	2.6	3
26	Relaxed convex model for optimal location and sizing of DGs in DC grids using sequential quadratic programming and random hyperplane approaches. *International Journal of Electrical Power and Energy Systems*, **2020**, 115, 105442	5.1	13
25	Triangular Matrix Formulation for Power Flow Analysis in Radial DC Resistive Grids With CPLs. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2020**, 67, 1094-1098	3.5	9
24	Integration of energy storage systems in AC distribution networks: Optimal location, selecting, and operation approach based on genetic algorithms. *Journal of Energy Storage*, **2019**, 25, 100891	7.8	24
23	A method for estimating electricity consumption patterns of buildings to implement Energy Management Systems. *Journal of Building Engineering*, **2019**, 25, 100774	5.2	9
22	Optimal Power Flow in Direct-Current Power Grids via Black Hole Optimization. *Advances in Electrical and Electronic Engineering*, **2019**, 17,	1.5	14

21	Optimal Design of Transmission Shafts: a Continuous Genetic Algorithm Approach. *Statistics, Optimization and Information Computing*, **2019**, 7,	1.7	3
20	Hybrid Metaheuristic Optimization Methods for Optimal Location and Sizing DGs in DC Networks. *Communications in Computer and Information Science*, **2019**, 214-225	0.3	6
19	Vortex Search Algorithm for Optimal Sizing of Distributed Generators in AC Distribution Networks with Radial Topology. *Communications in Computer and Information Science*, **2019**, 235-249	0.3	4
18	Sine-Cosine Algorithm for OPF Analysis in Distribution Systems to Size Distributed Generators. *Communications in Computer and Information Science*, **2019**, 28-39	0.3	5
17	Determination of the Voltage Stability Index in DC Networks with CPLs: A GAMS Implementation. *Communications in Computer and Information Science*, **2019**, 552-564	0.3	7
16	Optimal power flow solution in direct current grids using Sine-Cosine algorithm. *Journal of Physics: Conference Series*, **2019**, 1403, 012009	0.3	6
15	Economic Dispatch of BESS and Renewable Generators in DC Microgrids Using Voltage-Dependent Load Models. *Energies*, **2019**, 12, 4494	3.1	22
14	Economic dispatch of energy storage systems in dc microgrids employing a semidefinite programming model. *Journal of Energy Storage*, **2019**, 21, 1-8	7.8	66
13	. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2019**, 66, 1865-1869	3.5	38
12	Optimal Planning and Operation of Distribution Systems Considering Distributed Energy Resources and Automatic Reclosers. *IEEE Latin America Transactions*, **2018**, 16, 126-134	0.7	9
11	Linear power flow formulation for low-voltage DC power grids. *Electric Power Systems Research*, **2018**, 163, 375-381	3.5	54
10	Optimal Sizing and Location of Distributed Generators Based on PBIL and PSO Techniques. *Energies* , **2018**, 11, 1018	3.1	59
9	Nonlinear Control for Battery Energy Storage Systems in Power Grids **2018**,		10
8	Optimal Sizing of DGs in AC Distribution Networks via Black Hole Optimization **2018**,		1
7	**2018**,		5
6	Optimal location, sizing and operation of energy storage in distribution systems using multi-objective approach. *IEEE Latin America Transactions*, **2017**, 15, 1084-1090	0.7	14
5	Ubicaci□ y dimensionamiento de generaci□ distribuida: Una revisi□. *Ciencia E Ingenier□ Neogranadina*, **2017**, 27, 157-176	0.3	9
4	Ubicaci□ y operaci□ eficiente de almacenadores de energ□ en micro-redes en presencia de generaci□ distribuida. *Revista CINTEX*, **2017**, 22, 97-117	0	3

3	Control Global del P dulo con Rueda de Reacci Empleado Redes Neuronales Artificiales y Linealizaci Extendida. *Scientia Et Technica*, **2017**, 22, 130	1.7	1
2	**2015**,		7
1	A quadratic convex approximation for optimal operation of battery energy storage systems in DC distribution networks. *Energy Systems*,1	1.7	1