

Francisco Jurado

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.

385 papers	7,250 citations	44 h-index	67 g-index
431 ext. papers	9,304 ext. citations	4.6 avg, IF	6.88 L-index

#	Paper	IF	Citations
385	Multi-energy microgrid optimal operation with integrated power to gas technology considering uncertainties. <i>Journal of Cleaner Production</i> , 2022 , 333, 130174	10.3	4
384	Off-grid nonrenewable based hybrid systems: Architecture, design, demonstration, and study cases 2022 , 137-154		
383	A mixed-integer-linear-logical programming interval-based model for optimal scheduling of isolated microgrids with green hydrogen-based storage considering demand response. <i>Journal of Energy Storage</i> , 2022 , 48, 104028	7.8	7
382	Mitigation of carbon footprint with 100% renewable energy system by 2050: The case of Galapagos islands. <i>Energy</i> , 2022 , 245, 123247	7.9	5
381	Planning of electrical energy for the Galapagos Islands using different renewable energy technologies. <i>Electric Power Systems Research</i> , 2022 , 203, 107660	3.5	3
380	Efficient solution of many-objective Home Energy Management systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2022 , 136, 107666	5.1	11
379	Novel Design of Slim Mould Optimizer for the Solution of Optimal Power Flow Problems Incorporating Intermittent Sources: A Case Study of Algerian Electricity Grid. <i>IEEE Access</i> , 2022 , 10, 22646-22662	3.5	2
378	Uncertainty-aware day-ahead scheduling of microgrids considering response fatigue: An IGDT approach. <i>Applied Energy</i> , 2022 , 310, 118611	10.7	0
377	Decarbonization of the Galapagos Islands. Proposal to transform the energy system into 100% renewable by 2050. <i>Renewable Energy</i> , 2022 , 189, 199-220	8.1	1
376	Manta Ray Foraging Optimization for the Virtual Inertia Control of Islanded Microgrids Including Renewable Energy Sources. <i>Sustainability</i> , 2022 , 14, 4189	3.6	1
375	Review of Bioenergy Potential from the Agriculture Sector in Iraq. <i>Energies</i> , 2022 , 15, 2678	3.1	2
374	Optimal sizing of an off-grid hybrid photovoltaic/biomass gasifier/battery system using a quantum model of Runge Kutta algorithm. <i>Energy Conversion and Management</i> , 2022 , 258, 115539	10.6	1
373	Precise modeling of PEM fuel cell using a novel Enhanced Transient Search Optimization algorithm. <i>Energy</i> , 2022 , 247, 123530	7.9	2
372	Design to include a wind turbine and socio-techno-economic analysis of an isolated airplane-type organic building based on a photovoltaic/hydrokinetic/battery. <i>Energy Conversion and Management: X</i> , 2022 , 14, 100202	2.5	0
371	Enhanced block-sparse adaptive Bayesian algorithm based control strategy of superconducting magnetic energy storage units for wind farms power ripple minimization. <i>Journal of Energy Storage</i> , 2022 , 50, 104208	7.8	0
370	On Optimal Settings for a Family of Runge-Kutta-Based Power-Flow Solvers Suitable for Large-Scale Ill-Conditioned Cases. <i>Mathematics</i> , 2022 , 10, 1279	2.3	
369	Home energy management system considering effective demand response strategies and uncertainties. <i>Energy Reports</i> , 2022 , 8, 5256-5271	4.6	2

368	Circle Search Algorithm: A Geometry-Based Metaheuristic Optimization Algorithm. <i>Mathematics</i> , 2022 , 10, 1626	2.3	4
367	A stochastic-interval model for optimal scheduling of PV-assisted multi-mode charging stations. <i>Energy</i> , 2022 , 124219	7.9	2
366	A Stochastic-IGDT model for energy management in isolated microgrids considering failures and demand response. <i>Applied Energy</i> , 2022 , 317, 119162	10.7	6
365	A novel hybrid lexicographic-IGDT methodology for robust multi-objective solution of home energy management systems. <i>Energy</i> , 2022 , 253, 124146	7.9	1
364	Intrinsic Characteristics of Forward Simulation Modeling Electric Vehicle for Energy Analysis. <i>Electricity</i> , 2022 , 3, 202-219	1	
363	Evaluation of temporal resolution impact on power fluctuations and self-consumption for a hydrokinetic on grid system using supercapacitors. <i>Renewable Energy</i> , 2022 , 193, 843-856	8.1	2
362	Frequency Stability of Two-Area Interconnected Power System with Doubly Fed Induction Generator Based Wind Turbine. <i>Power Systems</i> , 2021 , 293-324	0.4	
361	A New Methodology for Smoothing Power Peaks Produced by Electricity Demand and a Hydrokinetic Turbine for a Household Load on Grid Using Supercapacitors. <i>World Electric Vehicle Journal</i> , 2021 , 12, 235	2.5	
360	Exploiting the S-Iteration Process for Solving Power Flow Problems: Novel Algorithms and Comprehensive Analysis. <i>Electronics (Switzerland)</i> , 2021 , 10, 3011	2.6	0
359	Scenario-Based Network Reconfiguration and Renewable Energy Resources Integration in Large-Scale Distribution Systems Considering Parameters Uncertainty. <i>Mathematics</i> , 2021 , 9, 26	2.3	13
358	DC Nanogrids for Integration of Demand Response and Electric Vehicle Charging Infrastructures: Appraisal, Optimal Scheduling and Analysis. <i>Electronics (Switzerland)</i> , 2021 , 10, 2484	2.6	8
357	Performance Analysis of a Stand-Alone PV/WT/Biomass/Bat System in Alrashda Village in Egypt. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 10191	2.6	2
356	Repowering Feasibility Study of a Current Hybrid Renewable System. Case Study, Galapagos Islands. <i>Electricity</i> , 2021 , 2, 487-502	1	0
355	Life cycle assessment of the Spanish virgin olive oil production: A case study for Andalusian region. <i>Journal of Cleaner Production</i> , 2021 , 290, 125677	10.3	12
354	A Novel Family of Efficient Power-Flow Methods With High Convergence Rate Suitable for Large Realistic Power Systems. <i>IEEE Systems Journal</i> , 2021 , 15, 738-746	4.3	7
353	A modified farmland fertility optimizer for parameters estimation of fuel cell models. <i>Neural Computing and Applications</i> , 2021 , 33, 12169-12190	4.8	6
352	Optimization of battery/supercapacitor-based photovoltaic household-prosumers providing self-consumption and frequency containment reserve as influenced by temporal data granularity. <i>Journal of Energy Storage</i> , 2021 , 36, 102366	7.8	6
351	Developing a Hybrid Optimization Algorithm for Optimal Allocation of Renewable DGs in Distribution Network. <i>Clean Technologies</i> , 2021 , 3, 409-423	3.4	4

350	Power flow solution of Ill-conditioned systems using current injection formulation: Analysis and a novel method. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 127, 106669	5.1	5
349	A novel methodology for comprehensive planning of battery storage systems. <i>Journal of Energy Storage</i> , 2021 , 37, 102456	7.8	17
348	A novel methodology for optimal sizing photovoltaic-battery systems in smart homes considering grid outages and demand response. <i>Renewable Energy</i> , 2021 , 170, 884-896	8.1	31
347	Sustainable tramway, techno-economic analysis and environmental effects in an urban public transport. A comparative study. <i>Sustainable Energy, Grids and Networks</i> , 2021 , 26, 100462	3.6	4
346	Design and integration of Z-source converters for energy management with series operation: Applied to DC microgrid. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 128, 106781	5.1	0
345	Electric Vehicles Charging Management for Real-Time Pricing Considering the Preferences of Individual Vehicles. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6632	2.6	1
344	Two Efficient and Reliable Power-Flow Methods With Seventh Order of Convergence. <i>IEEE Systems Journal</i> , 2021 , 15, 1026-1035	4.3	7
343	Performance analysis of a PV/HKT/WT/DG hybrid autonomous grid. <i>Electrical Engineering</i> , 2021 , 103, 227-244	1.5	5
342	An improved version of the Continuous Newton-Raphson method for efficiently solving the Power-Flow in Ill-conditioned systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 124, 106389	5.1	3
341	Enhancing power system loadability and optimal load shedding based on TCSC allocation using improved moth flame optimization algorithm. <i>Electrical Engineering</i> , 2021 , 103, 205-225	1.5	4
340	Modeling of a solar thermal power generation plant for the coastal zones through the TRNSYS program. <i>Electrical Engineering</i> , 2021 , 103, 125-137	1.5	2
339	Efficient and Reliable Power-Flow Solution Using Recursive Formula. <i>IEEE Systems Journal</i> , 2021 , 15, 3929-3937	4.3	0
338	Novel design of artificial ecosystem optimizer for large-scale optimal reactive power dispatch problem with application to Algerian electricity grid. <i>Neural Computing and Applications</i> , 2021 , 33, 7467-7490	4.8	8
337	Optimal setting of PV and battery energy storage in radial distribution systems using multi-objective criteria with fuzzy logic decision-making. <i>IET Generation, Transmission and Distribution</i> , 2021 , 15, 135-148	2.5	5
336	A comprehensive electrical-gas-hydrogen Microgrid model for energy management applications. <i>Energy Conversion and Management</i> , 2021 , 228, 113726	10.6	29
335	Developing the coyote optimization algorithm for extracting parameters of proton-exchange membrane fuel cell models. <i>Electrical Engineering</i> , 2021 , 103, 563-577	1.5	7
334	Feasibility study of a renewable system (PV/HKT/GB) for hybrid tramway based on fuel cell and super capacitor. <i>IET Renewable Power Generation</i> , 2021 , 15, 491-503	2.9	7
333	Fuel cell parameters estimation using optimization techniques 2021 , 487-504		

332	Fuzzy-Based Optimal Integration of Multiple Distributed Generations. <i>Power Systems</i> , 2021 , 1-22	0.4	
331	An improved version of salp swarm algorithm for solving optimal power flow problem. <i>Soft Computing</i> , 2021 , 25, 4027-4052	3.5	17
330	Model Predictive Control-Based Optimized Operation of a Hybrid Charging Station for Electric Vehicles. <i>IEEE Access</i> , 2021 , 9, 115766-115776	3.5	1
329	Techno-Economic Assessment of a Gasification Plant for Distributed Cogeneration in the Agrifood Sector. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 660	2.6	4
328	Optimal Allocation of DG and Capacitor in Distribution Networks Using a Novel Hybrid MFO-SCA Method. <i>Electric Power Components and Systems</i> , 2021 , 49, 259-275	1	1
327	Hybrid Electric Vehicles: A Review of Existing Configurations and Thermodynamic Cycles. <i>Thermo</i> , 2021 , 1, 134-150		3
326	On the Applicability of Two Families of Cubic Techniques for Power Flow Analysis. <i>Energies</i> , 2021 , 14, 4108	3.1	4
325	A Common Framework for Developing Robust Power-Flow Methods with High Convergence Rate. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6147	2.6	
324	Efficient power scheduling in smart homes using a novel artificial ecosystem optimization technique considering two pricing schemes. <i>International Journal of Emerging Electric Power Systems</i> , 2021 ,	1.4	1
323	Parameter Identification of Proton Exchange Membrane Fuel Cell Based on Hunger Games Search Algorithm. <i>Energies</i> , 2021 , 14, 5022	3.1	11
322	Method of monitoring and detection of failures in PV system based on machine learning. <i>Revista Facultad De Ingeniería</i> , 2021 , 26-43	1	1
321	Home energy management in off-grid dwellings: Exploiting flexibility of thermostatically controlled appliances. <i>Journal of Cleaner Production</i> , 2021 , 310, 127507	10.3	10
320	On Various High-Order Newton-Like Power Flow Methods for Well and Ill-Conditioned Cases. <i>Mathematics</i> , 2021 , 9, 2019	2.3	1
319	Life cycle assessment, C footprint and carbon balance of virgin olive oils production from traditional and intensive olive groves in southern Spain. <i>Journal of Environmental Management</i> , 2021 , 293, 112951	7.9	5
318	Power flow control of power systems based on a simple TCSC model. <i>Ain Shams Engineering Journal</i> , 2021 , 12, 2781-2788	4.4	1
317	Optimal electrification of off-grid smart homes considering flexible demand and vehicle-to-home capabilities. <i>Applied Energy</i> , 2021 , 298, 117184	10.7	18
316	Multilevel Inverter: A Survey on Classical and Advanced Topologies, Control Schemes, Applications to Power System and Future Prospects. <i>Energies</i> , 2021 , 14, 5773	3.1	11
315	A MILP framework for electricity tariff-choosing decision process in smart homes considering Blappy HoursTariffs. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 131, 107139	5.1	9

314	An optimization framework for planning wayside and on-board hybrid storage systems for tramway applications. <i>Journal of Energy Storage</i> , 2021 , 43, 103207	7.8	2
313	Development and application of evaporation rate water cycle algorithm for optimal coordination of directional overcurrent relays. <i>Expert Systems With Applications</i> , 2021 , 185, 115538	7.8	12
312	A comparison of sizing methods for a long-term renewable hybrid system. Case study: Galapagos Islands 2031. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 1548-1566	5.8	5
311	A Novel Power Flow Solution Paradigm for Well and Ill-Conditioned Cases. <i>IEEE Access</i> , 2021 , 9, 112425-112438	5.5	3
310	Novel optimization algorithm for the power and energy management and component sizing applied to hybrid storage-based photovoltaic household-prosumers for the provision of complementarity services. <i>Journal of Power Sources</i> , 2021 , 482, 228918	8.9	6
309	An improved TPM-based distribution network state estimation considering loads/DERs correlations. <i>Electrical Engineering</i> , 2021 , 103, 1541	1.5	1
308	Recent optimal power flow algorithms 2021 , 389-410		
307	Mann-Iteration Process for Power Flow Calculation of Large-Scale Ill-Conditioned Systems: Theoretical Analysis and Numerical Results. <i>IEEE Access</i> , 2021 , 9, 132255-132266	3.5	1
306	Power Flow Approach Based on the S-Iteration Process. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 4148-4158	7	6
305	Optimal Design and Energy Management for a Grid Connected Renewable Hybrid System (PV-HKT-GRID). <i>E3S Web of Conferences</i> , 2020 , 173, 02001	0.5	
304	Optimal allocation of distribution static compensators using a developed multi-objective sine cosine approach. <i>Computers and Electrical Engineering</i> , 2020 , 85, 106671	4.3	12
303	Capacitors Allocation in Distribution Systems Using a Hybrid Formulation Based on Analytical and Two Metaheuristic Optimization Techniques. <i>Computers and Electrical Engineering</i> , 2020 , 85, 106675	4.3	12
302	Optimal Placement of DGs in Distribution System Using an Improved Harris Hawks Optimizer Based on Single- and Multi-Objective Approaches. <i>IEEE Access</i> , 2020 , 8, 52815-52829	3.5	42
301	Optimal Power Flow Incorporating FACTS Devices and Stochastic Wind Power Generation Using Krill Herd Algorithm. <i>Electronics (Switzerland)</i> , 2020 , 9, 1043	2.6	11
300	An efficient and reliable power flow solution method for large scale Ill-conditioned cases based on the Romberg integration scheme. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 123, 106264	5.1	2
299	Promising framework based on multistep continuous Newton scheme for developing robust PF methods. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 265-274	2.5	5
298	Developed multi-objective grey wolf optimizer with fuzzy logic decision-making tool for direction overcurrent relays coordination. <i>Soft Computing</i> , 2020 , 24, 13305-13317	3.5	7
297	A Three-Stage Algorithm Based on a Semi-Implicit Approach for Solving the Power-Flow in Realistic Large-Scale ill-Conditioned Systems. <i>IEEE Access</i> , 2020 , 8, 35299-35307	3.5	4

296	Comparative analysis of probabilistic and deterministic approach to tune the power system stabilizers using the directional bat algorithm to improve system small-signal stability. <i>Electric Power Systems Research</i> , 2020 , 181, 106176	3.5	11
295	An efficient power-flow approach based on Heun and King-Werner's methods for solving both well and ill-conditioned cases. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 119, 105869	5.1	5
294	Multi-Objective Optimal Reactive Power Planning under Load Demand and Wind Power Generation Uncertainties Using E-Constraint Method. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2859	2.6	11
293	Energy analysis and techno-economic assessment of a hybrid PV/HKT/BAT system using biomass gasifier: Cuenca-Ecuador case study. <i>Energy</i> , 2020 , 202, 117727	7.9	31
292	Tri-generation biomass system based on externally fired gas turbine, organic rankine cycle and absorption chiller. <i>Journal of Cleaner Production</i> , 2020 , 260, 121068	10.3	23
291	Tracing harmonic distortion and voltage unbalance in secondary radial distribution networks with photovoltaic uncertainties by an iterative multiphase harmonic load flow. <i>Electric Power Systems Research</i> , 2020 , 185, 106342	3.5	6
290	Optimization of an Off-Grid Hybrid System Using Lithium Ion Batteries. <i>Acta Polytechnica Hungarica</i> , 2020 , 17, 185-206	2.2	3
289	STATCOM Parameters Optimization Using Multi-Objective LAPO for Enhancing the Stability of Combined Wind Farm. <i>Electric Power Components and Systems</i> , 2020 , 48, 1508-1522	1	1
288	Evaluation of Energy Efficiency and the Reduction of Atmospheric Emissions by Generating Electricity from a Solar Thermal Power Generation Plant. <i>Energies</i> , 2020 , 13, 645	3.1	2
287	Tree Growth Algorithm for Parameter Identification of Proton Exchange Membrane Fuel Cell Models. <i>International Journal of Interactive Multimedia and Artificial Intelligence</i> , 2020 , 6, 11	3.8	4
286	Efficient optimization technique for multiple DG allocation in distribution networks. <i>Applied Soft Computing Journal</i> , 2020 , 86, 105938	7.5	51
285	Single- and multi-objective optimization for photovoltaic distributed generators implementation in probabilistic power flow algorithm. <i>Electrical Engineering</i> , 2020 , 102, 331-347	1.5	7
284	Optimal sizing and power schedule in PV household-prosumers for improving PV self-consumption and providing frequency containment reserve. <i>Energy</i> , 2020 , 191, 116554	7.9	48
283	Iterative harmonic load flow by using the point-estimate method and complex affine arithmetic for radial distribution systems with photovoltaic uncertainties. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 118, 105765	5.1	8
282	Comparative study of two new energy control systems based on PEMFC for a hybrid tramway in Ecuador. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 25357-25377	6.7	10
281	Parameter identification of proton exchange membrane fuel cells using an improved salp swarm algorithm. <i>Energy Conversion and Management</i> , 2020 , 224, 113341	10.6	18
280	Integration of DG and Capacitor in Radial Distribution Networks Using an Efficient Hybrid Optimization Method. <i>Electric Power Components and Systems</i> , 2020 , 48, 1102-1110	1	2
279	Modeling and optimization of an ocean thermal energy conversion system for remote islands electrification. <i>Renewable Energy</i> , 2020 , 162, 1399-1414	8.1	7

278	Techno-economic evaluation of renewable energy systems combining PV-WT-HKT sources: Effects of energy management under Ecuadorian conditions. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 30, e12567	2.2	7
277	Voltage stability analysis based on optimal placement of multiple DG types using hybrid optimization technique. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 30, e12551	2.2	5
276	Enhanced Control Scheme for a Three-Phase Grid-Connected PV Inverter under Unbalanced Fault Conditions. <i>Electronics (Switzerland)</i> , 2020 , 9, 1247	2.6	5
275	Parameter Identification of Proton Exchange Membrane Fuel Cell Stacks Using Bonobo Optimizer 2020 ,		7
274	Optimal SVC allocation in power systems using lightning attachment procedure optimization. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2020 , 28, 2360-2374	0.9	0
273	Scheduling of smart home appliances for optimal energy management in smart grid using Harris-hawks optimization algorithm. <i>Optimization and Engineering</i> , 2020 , 22, 1625	2.1	8
272	Development and Implementation of a Novel Optimization Algorithm for Reliable and Economic Grid-Independent Hybrid Power System. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6604	2.6	14
271	Solving the Optimal Reactive Power Dispatch Using Marine Predators Algorithm Considering the Uncertainties in Load and Wind-Solar Generation Systems. <i>Energies</i> , 2020 , 13, 4316	3.1	25
270	Energy control and size optimization of a hybrid system (photovoltaic-hidrokinetic) using various storage technologies. <i>Sustainable Cities and Society</i> , 2020 , 52, 101773	10.1	39
269	A powerful power-flow method based on Composite Newton-Cotes formula for ill-conditioned power systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 116, 105558	5.1	9
268	Development and application of an efficient optimizer for optimal coordination of directional overcurrent relays. <i>Neural Computing and Applications</i> , 2020 , 32, 8561-8583	4.8	14
267	Fixed bed gasification of corn stover biomass fuel: Egypt as a case study. <i>Biofuels, Bioproducts and Biorefining</i> , 2020 , 14, 7-19	5.3	4
266	Optimal Load Shedding of Power System Including Optimal TCSC Allocation Using Moth Swarm Algorithm. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2020 , 44, 741-765	1.9	7
265	Optimal power flow solution incorporating a simplified UPFC model using lightning attachment procedure optimization. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 30, e12170	2.2	21
264	Power losses and Energy Cost Minimization Using Shunt Capacitors Installation in Distribution Systems 2019 ,		5
263	Voltage Profile Enhancement Using Multi-Objective Sine Cosine Algorithm for Optimal Installation of DSTACOMs into Distribution Systems 2019 ,		5
262	Optimized tuning of power oscillation damping controllers using probabilistic approach to enhance small-signal stability considering stochastic time delay. <i>Electrical Engineering</i> , 2019 , 101, 969-982	1.5	5
261	Single- and multi-objective optimal power flow frameworks using Jaya optimization technique. <i>Neural Computing and Applications</i> , 2019 , 31, 8787-8806	4.8	27

260	An effective load-flow approach based on Gauss-Newton formulation. <i>International Journal of Electrical Power and Energy Systems</i> , 2019 , 113, 573-581	5.1	10
259	Comparison of various robust and efficient load-flow techniques based on Runge-Kutta formulas. <i>Electric Power Systems Research</i> , 2019 , 174, 105881	3.5	14
258	Hybrid Whale Optimization Algorithm and Grey Wolf Optimizer Algorithm for Optimal Coordination of Direction Overcurrent Relays. <i>Electric Power Components and Systems</i> , 2019 , 47, 644-658 ¹		22
257	Modified grasshopper optimization framework for optimal power flow solution. <i>Electrical Engineering</i> , 2019 , 101, 121-148	1.5	42
256	Developed HVDC power injection model for power flow analysis with multi-control functions considering operating constraints. <i>Electrical Engineering</i> , 2019 , 101, 91-101	1.5	2
255	Several robust and efficient load flow techniques based on combined approach for ill-conditioned power systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2019 , 110, 349-356	5.1	14
254	Most Valuable Player Algorithm for Solving Direction Overcurrent Relays Coordination Problem 2019 ,		7
253	Power System Voltage Stability Based on Optimal Size and Location of Shunt Capacitor Using Analytical Technique 2019 ,		4
252	Development of Probabilistic Power Flow Algorithm for Radial Distribution Systems with Capacitors Using Analytical Approach 2019 ,		2
251	Bidirectional DC/DC converter with high gain based on impedance source. <i>IET Power Electronics</i> , 2019 , 12, 2069-2078	2.2	6
250	Multi-Objective Whale Optimization Algorithm for Optimal Integration of Multiple DGs into Distribution Systems 2019 ,		3
249	Development of UPFC operating constraints enforcement approach for power flow control. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 4579-4591	2.5	9
248	Optimal Performance of Doubly Fed Induction Generator Wind Farm Using Multi-Objective Genetic Algorithm. <i>International Journal of Interactive Multimedia and Artificial Intelligence</i> , 2019 , 5, 48	3.8	10
247	Performance Enhancement of Wind Farms Using Tuned SSSC Based on Artificial Neural Network. <i>International Journal of Interactive Multimedia and Artificial Intelligence</i> , 2019 , 5, 118	3.8	14
246	Current control in high-efficiency unidirectional converter for fuel cell. <i>International Journal of Electronics</i> , 2019 , 106, 1101-1112	1.2	2
245	A Distributed Generation Hybrid System for Electric Energy Boosting Fueled with Olive Industry Wastes. <i>Energies</i> , 2019 , 12, 500	3.1	7
244	ANN-Based STATCOM Tuning for Performance Enhancement of Combined Wind Farms. <i>Electric Power Components and Systems</i> , 2019 , 47, 10-26	1	11
243	A Robust Power Flow Algorithm Based on Bulirsch-Stoer Method. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 3081-3089	7	28

242	Design of a Supervisory Control System Based on Fuzzy Logic for a Hybrid System Comprising Wind Power, Battery and Ultracapacitor Energy Storage System. <i>Power Systems</i> , 2019 , 189-212	0.4	2
241	Optimal Coordination of Overcurrent Relays Using Metaphor-less Simple Method 2019 ,		3
240	Robust and efficient approach based on Richardson extrapolation for solving badly initialised/ill-conditioned power-flow problems. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 3524-3533	2.5	10
239	Integration of Downdraft Gasifier with Fuel Cell and Organic Rankine Cycle for Power Generation 2019 ,		1
238	Optimised operation of power sources of a PV/battery/hydrogen-powered hybrid charging station for electric and fuel cell vehicles. <i>IET Renewable Power Generation</i> , 2019 , 13, 3022-3032	2.9	25
237	Energy Control and sizing optimization of an off grid Hybrid System (Wind-Hydrokinetic-Diesel) 2019 ,		1
236	An improved moth-flame optimization algorithm for solving optimal power flow problem. <i>International Transactions on Electrical Energy Systems</i> , 2019 , 29, e2743	2.2	53
235	Modified water cycle algorithm for optimal direction overcurrent relays coordination. <i>Applied Soft Computing Journal</i> , 2019 , 74, 10-25	7.5	44
234	Development of different load flow methods for solving large-scale ill-conditioned systems. <i>International Transactions on Electrical Energy Systems</i> , 2019 , 29, e2784	2.2	16
233	Developed Newton-Raphson based Predictor-Corrector load flow approach with high convergence rate. <i>International Journal of Electrical Power and Energy Systems</i> , 2019 , 105, 785-792	5.1	30
232	Modeling and Simulation of Corn Stover Gasifier and Micro-turbine for Power Generation. <i>Waste and Biomass Valorization</i> , 2019 , 10, 3101-3114	3.2	10
231	Biomass Gasification for Power Generation Applications: A Modeling, Economic, and Experimental Study 2018 , 87-121		2
230	Stability of Distribution Networks with Wind Turbines. <i>Power Systems</i> , 2018 , 281-308	0.4	2
229	Decentralized Fuzzy Logic Control of Microgrid for Electric Vehicle Charging Station. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2018 , 6, 726-737	5.6	39
228	Solving Non-Smooth Optimal Power Flow Problems Using a Developed Grey Wolf Optimizer. <i>Energies</i> , 2018 , 11, 1692	3.1	31
227	Probabilistic Load Flow Solution Considering Optimal Allocation of SVC in Radial Distribution System. <i>International Journal of Interactive Multimedia and Artificial Intelligence</i> , 2018 , 5, 152	3.8	8
226	Voltage behaviour in radial distribution systems under the uncertainties of photovoltaic systems and electric vehicle charging loads. <i>International Transactions on Electrical Energy Systems</i> , 2018 , 28, e2490	2.2	35
225	Biomass gasification coupled to an EFGT-ORC combined system to maximize the electrical energy generation: A case applied to the olive oil industry. <i>Energy</i> , 2018 , 144, 41-53	7.9	40

224	Stability improvement of power systems connected with developed wind farms using SSSC controller. <i>Ain Shams Engineering Journal</i> , 2018 , 9, 2767-2779	4.4	11
223	Different Biomass Gasification Reactors for Energy Applications 2018 ,		2
222	Development of combined Runge-Kutta Broyden's load flow approach for well- and ill-conditioned power systems. <i>IET Generation, Transmission and Distribution</i> , 2018 , 12, 5723-5729	2.5	19
221	Solving Optimal Coordination of Direction Overcurrent Relays Problem Using Grey Wolf Optimization (GWO) Algorithm 2018 ,		6
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219	Hybrid Optimization Technique for Optimal Placement of DG and D-STATCOM in Distribution Networks 2018 ,		16
218	Evaporation Rate Water Cycle Algorithm for Optimal Coordination of Direction Overcurrent Relays 2018 ,		7
217	Optimal Performance of DFIG Integrated with Different Power System Areas Using Multi-Objective Genetic Algorithm 2018 ,		2
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205	Sizing optimization of a small hydro/photovoltaic hybrid system for electricity generation in Santay Island, Ecuador by two methods 2017 ,		5
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199	Evaluating Dynamic Wireless Charging of electric vehicles moving along a stretch of highway 2016 ,		8
198	Fuzzy logic control for an electric vehicles fast charging station 2016 ,		3
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24	Predictive control of microturbines using Hammerstein models		1
23	Reduced model of DFIGs wind farms using aggregation of wind turbines and equivalent wind		16
22	Inverter for microturbines based on multiobjective genetic algorithm		1
21	A review of the Accreditation Bodies and Processes in Europe. A vision from the Engineering		3
20	Fuzzy Hammerstein model based predictive control of a solid oxide fuel cell		2
19	Fuzzy logic inverter flux control of fuel cell plants in distributed generation		2
18	Enhancing the distribution system stability using micro-turbines and fuel cells		3
17	Influence of micro-turbines on distribution networks stability		4
16	Guidelines to requirements for protection against electric shock in PV generators		1
15	Fault location system on double circuit two-terminal transmission lines based on ANNs		2
14	Reactive power control of a wind farm through different control algorithms		5
13	Discrimination between transient voltage stability and voltage sag		1
12	Adaptive control of a fuel cell-microturbine hybrid power plant		3
11	Using various computer tools in electrical transients studies		5
10	Adjustable speed drives and voltage stability		2
9	Optimal location of SVC based on system loadability and contingency analysis		12

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