

# Almoataz Y Abdelaziz

## List of Publications by Year in descending order

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288  
papers

7,466  
citations

53939

47  
h-index

84171

75  
g-index

300  
all docs

300  
docs citations

300  
times ranked

5276  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison between flexible AC transmission systems (FACTS) and filters regarding renewable energy systems harmonics mitigation. International Journal of Emerging Electric Power Systems, 2022, 23, 211-220.	0.6	4
2	Optimal Tuning of a New Multi-input Multi-output Fuzzy Controller for Doubly Fed Induction Generator-Based Wind Energy Conversion System. Arabian Journal for Science and Engineering, 2022, 47, 3001-3021.	1.7	13
3	Mixture probability distribution functions using novel metaheuristic method in wind speed modeling. Ain Shams Engineering Journal, 2022, 13, 101613.	3.5	13
4	Enhancement of frequency stability of power systems integrated with wind energy using marine predator algorithm based PIDA controlled STATCOM. AEJ - Alexandria Engineering Journal, 2022, 61, 5851-5867.	3.4	16
5	Micro-energy Systems (MESs); Modeling and Optimal Operating Based on NSGA-II. Lecture Notes in Networks and Systems, 2022, , 99-128.	0.5	1
6	Ant Colony Optimization Algorithm for Electrical Power Systems Applications. Advances in Environmental Engineering and Green Technologies Book Series, 2022, , 37-59.	0.3	1
7	Comprehensive Overview of Power System Flexibility during the Scenario of High Penetration of Renewable Energy in Utility Grid. Energies, 2022, 15, 516.	1.6	29
8	DSSE in European-Type Networks Using PLC-Based Advanced Metering Infrastructure. IEEE Transactions on Power Systems, 2022, 37, 3875-3888.	4.6	3
9	Locating Faults in Thyristor-Based LCC-HVDC Transmission Lines Using Single End Measurements and Boosting Ensemble. Electronics (Switzerland), 2022, 11, 186.	1.8	4
10	Reliable Deep Learning and IoT-Based Monitoring System for Secure Computer Numerical Control Machines Against Cyber-Attacks With Experimental Verification. IEEE Access, 2022, 10, 23186-23197.	2.6	67
11	Mitigating Generation Schedule Deviation of Wind Farm Using Battery Energy Storage System. Energies, 2022, 15, 1768.	1.6	7
12	Optimal Placement of Renewable Energy Generators Using Grid-Oriented Genetic Algorithm for Loss Reduction and Flexibility Improvement. Energies, 2022, 15, 1863.	1.6	8
13	Optimal Allocation of Distributed Generators in Active Distribution Networks Using a New Oppositional Hybrid Sine Cosine Muted Differential Evolution Algorithm. Energies, 2022, 15, 2267.	1.6	8
14	Reactive power based capacitors allocation in distribution network using mathematical remora optimization algorithm considering operation cost and loading conditions. AEJ - Alexandria Engineering Journal, 2022, 61, 10511-10526.	3.4	12
15	Optimal Planning of Multitype DGs and D-STATCOMs in Power Distribution Network Using an Efficient Parameter Free Metaheuristic Algorithm. Energies, 2022, 15, 3433.	1.6	10
16	Savitzky-Golay Filter integrated matrix pencil method to identify high impedance fault in a renewable penetrated distribution system. Electric Power Systems Research, 2022, 210, 108056.	2.1	7
17	Single-Phase Universal Power Compensator with an Equal VAR Sharing Approach. Energies, 2022, 15, 3769.	1.6	3
18	Coordinated Design of Type-2 Fuzzy Lead-Lag-Structured SSSCs and PSSs for Power System Stability Improvement. Sustainability, 2022, 14, 6656.	1.6	5

#	ARTICLE	IF	CITATIONS
19	Optimal Sizing of Different Energy Sources in an Isolated Hybrid Microgrid Using Turbulent Flow Water-Based Optimization Algorithm. IEEE Access, 2022, 10, 61922-61936.	2.6	14
20	Sliding mode control of photovoltaic based power generation systems for microgrid applications. International Journal of Control, 2021, 94, 1704-1715.	1.2	15
21	Equilibrium optimization algorithm for network reconfiguration and distributed generation allocation in power systems. Applied Soft Computing Journal, 2021, 98, 106867.	4.1	93
22	Large-scale integration of distributed generation in reconfigured distribution networks considering load uncertainty. , 2021, , 441-484.		2
23	A comprehensive review of islanding detection methods. , 2021, , 211-256.		20
24	<scp>PID</scp> / <scp>FOPID</scp> -based frequency control of zero-carbon multisources-based interconnected power systems under deregulated scenarios. International Transactions on Electrical Energy Systems, 2021, 31, e12712.	1.2	18
25	Protection system failure and power system blackout. , 2021, , 257-296.		4
26	Optimal Controller Design for Automatic Generation Control Under Renewable Energy Disturbance. Lecture Notes in Electrical Engineering, 2021, , 121-132.	0.3	0
27	A Novel Relaying Scheme Using Long Short Term Memory for Bipolar High Voltage Direct Current Transmission Lines. IEEE Access, 2021, 9, 119894-119906.	2.6	8
28	Hybrid CSA-GWO Algorithm-Based Optimal Control Strategy for Efficient Operation of Variable-Speed Wind Generators. Green Energy and Technology, 2021, , 227-245.	0.4	3
29	A Generalized Approach for Power Quality Disturbances Recognition Based on Kalman Filter. IEEE Access, 2021, 9, 93614-93628.	2.6	13
30	A novel optimisation method for optimal integration of the hybrid distributed generation with FACTS device: a practical case study. International Journal of Power and Energy Conversion, 2021, 12, 314.	0.2	0
31	Scenario-Based Approach for Efficient Energy Management in Microgrids Considering Parameters Uncertainty. , 2021, , .		2
32	Optimal Soft Open Points Operation and Distributed Generations Penetration in a Reconfigured Egyptian Distribution Network. , 2021, , .		2
33	Scenario-Based Stochastic Framework for Optimal Planning of Distribution Systems Including Renewable-Based DG Units. Sustainability, 2021, 13, 3566.	1.6	12
34	Proposed ANFIS Based Approach for Fault Tracking, Detection, Clearing and Rearrangement for Photovoltaic System. Sensors, 2021, 21, 2269.	2.1	46
35	Energy Loss Reduction of Distribution Systems Equipped with Multiple Distributed Generations Considering Uncertainty using Manta-Ray Foraging Optimization. International Journal of Renewable Energy Development, 2021, 10, 779-787.	1.2	0
36	Energy Loss Reduction of Distribution Systems Equipped with Multiple Distributed Generations Considering Uncertainty using Manta-Ray Foraging Optimization. International Journal of Renewable Energy Development, 2021, 10, 779-787.	1.2	6

#	ARTICLE	IF	CITATIONS
37	An Optimized Triggering Algorithm for Event-Triggered Control of Networked Control Systems. Mathematics, 2021, 9, 1262.	1.1	7
38	Novel Control Strategy for Enhancing Microgrid Operation Connected to Photovoltaic Generation and Energy Storage Systems. Electronics (Switzerland), 2021, 10, 1261.	1.8	53
39	Hybrid PSO-GSA algorithm-based optimal control strategy for performance enhancement of a grid-connected wind generator. International Journal of Applied Power Engineering (IJAPE), 2021, 10, 151.	0.1	2
40	AC&DC optimal power flow incorporating centralized/decentralized multi-region grid control employing the whale algorithm. Ain Shams Engineering Journal, 2021, 12, 1907-1922.	3.5	11
41	A novel distributed generation planning algorithm via graphically-based network reconfiguration and soft open points placement using Archimedes optimization algorithm. Ain Shams Engineering Journal, 2021, 12, 1923-1941.	3.5	58
42	Marine predators algorithm for load frequency control of modern interconnected power systems including renewable energy sources and energy storage units. Ain Shams Engineering Journal, 2021, 12, 3843-3857.	3.5	80
43	AI-Based Protective Relaying Schemes for Transmission Line Compensated with FACTS Devices. , 2021, , 237-253.		1
44	Optimal Power Flow Solution of Wind-Integrated Power System Using Novel Metaheuristic Method. Energies, 2021, 14, 6117.	1.6	23
45	A Novel Three-Phase Power Flow Algorithm for the Evaluation of the Impact of Renewable Energy Sources and D-STATCOM Devices on Unbalanced Radial Distribution Networks. Energies, 2021, 14, 6152.	1.6	6
46	Optimal sizing of off-line microgrid via hybrid multi-objective simulated annealing particle swarm optimizer. Computers and Electrical Engineering, 2021, 94, 107294.	3.0	27
47	Robust approach based chimp optimization algorithm for minimizing power loss of electrical distribution networks via allocating distributed generators. Sustainable Energy Technologies and Assessments, 2021, 47, 101359.	1.7	15
48	Multi-Regional Optimal Power Flow Using Marine Predators Algorithm Considering Load and Generation Variability. IEEE Access, 2021, 9, 74600-74613.	2.6	20
49	Performance Enhancement of STATCOM Integrated Wind Farm for Harmonics Mitigation Using Optimization Techniques. Lecture Notes in Networks and Systems, 2021, , 507-516.	0.5	3
50	Scenario-Based Network Reconfiguration and Renewable Energy Resources Integration in Large-Scale Distribution Systems Considering Parameters Uncertainty. Mathematics, 2021, 9, 26.	1.1	23
51	A novel optimisation method for optimal integration of the hybrid distributed generation with FACTS device: a practical case study. International Journal of Power and Energy Conversion, 2021, 12, 314.	0.2	2
52	Enhancement of wind energy conversion system performance using adaptive fractional order PI blade angle controller. Heliyon, 2021, 7, e08239.	1.4	3
53	A Novel Three-Phase Harmonic Power Flow Algorithm for Unbalanced Radial Distribution Networks with the Presence of D-STATCOM Devices. Electronics (Switzerland), 2021, 10, 2663.	1.8	7
54	A Comprehensive Review on Wide-Area Protection, Control and Monitoring Systems. Power Systems, 2021, , 1-43.	0.3	3

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55	Feasibility study of intelligent fault location estimation methods for double-circuit transmission lines. International Transactions on Electrical Energy Systems, 2021, 31, e13198.	1.2	5
56	Economic Design of Hybrid Pico-Hydraulic/Photovoltaic Generation System: A Case Study in Egypt. Electronics (Switzerland), 2021, 10, 2947.	1.8	4
57	Stochastic Modeling for Wind Energy and Multi-Objective Optimal Power Flow by Novel Meta-Heuristic Method. IEEE Access, 2021, 9, 158353-158366.	2.6	10
58	An Improved Symbiotic Organisms Search Algorithm for Multi-objective Simultaneous Optimal Allocation of DSTATCOM and DG Units. , 2021, , .		0
59	Optimal Allocation of DSTATCOM Units in Electric Distribution Network Using Improved Symbiotic Organisms Search Algorithms. , 2021, , .		0
60	Optimized Blade Angle Controller to Enhance Wind Speed Variability Impacts. Electric Power Components and Systems, 2021, 49, 612-623.	1.0	1
61	Investigation of Different Probability Distribution Functions for Wind Speed Modelling Using Classical and Novel Metaheuristic Methods. , 2021, , .		1
62	Optimal Sizing of Microgrid System Using Hybrid Firefly and Particle Swarm Optimization Algorithm. , 2021, , .		3
63	A Cost-Benefit Analysis of Optimal Active and Reactive Power Compensators and Voltage Conditioners Allocation in a Real Egyptian Distribution System. , 2021, , .		2
64	Optimal design of fuzzy PID controller for deregulated LFC of multi-area power system via mine blast algorithm. Neural Computing and Applications, 2020, 32, 4531-4551.	3.2	61
65	A Planning Framework for Optimal Partitioning of Distribution Networks Into Microgrids. IEEE Systems Journal, 2020, 14, 916-926.	2.9	49
66	Intelligent schemes for fault classification in mutually coupled series-compensated parallel transmission lines. Neural Computing and Applications, 2020, 32, 6939-6956.	3.2	12
67	Positive-Sequence Component Based Directional Relaying Algorithm for Single-Pole Tripping. Arabian Journal for Science and Engineering, 2020, 45, 1639-1653.	1.7	6
68	MPPT-Based Particle Swarm and Cuckoo Search Algorithms for PV Systems. Green Energy and Technology, 2020, , 379-400.	0.4	20
69	A New Hybrid Moth Flame Optimizer-Perturb and Observe Method for Maximum Power Point Tracking in Photovoltaic Energy System. Green Energy and Technology, 2020, , 401-420.	0.4	5
70	Distributed generation in deregulated energy markets and probabilistic hosting capacity decision-making challenges. , 2020, , 223-246.		2
71	Pattern-recognition methods for decision-making in protection of transmission lines. , 2020, , 441-472.		5
72	New adaptive coordination approach between generator-transformer unit overall differential protection and generator capability curves. International Journal of Electrical Power and Energy Systems, 2020, 118, 105788.	3.3	16

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73	Improved Method for Approximation of Heating and Cooling Load in Urban Buildings for Energy Performance Enhancement. <i>Electric Power Components and Systems</i> , 2020, 48, 436-446.	1.0	3
74	Protecting Doubly Fed Induction Generator's Converter Using A Filter Based TCR. , 2020, , .		2
75	Power Management Strategy Based on Adaptive Neuro Fuzzy Inference System for AC Microgrid. <i>IEEE Access</i> , 2020, 8, 192087-192100.	2.6	20
76	Enhancement of Hosting Capacity with Soft Open Points and Distribution System Reconfiguration: Multi-Objective Bilevel Stochastic Optimization. <i>Energies</i> , 2020, 13, 5446.	1.6	32
77	Adaptive differential protection scheme for wind farm integrated power network. <i>Electric Power Systems Research</i> , 2020, 187, 106452.	2.1	18
78	Hybrid cuckoo search algorithm and grey wolf optimiserâ€based optimal control strategy for performance enhancement of HVDCâ€based offshore wind farms. <i>IET Generation, Transmission and Distribution</i> , 2020, 14, 1902-1911.	1.4	40
79	Techno-economic assessment of energy storage systems using annualized life cycle cost of storage (LCCOS) and levelized cost of energy (LCOE) metrics. <i>Journal of Energy Storage</i> , 2020, 29, 101345.	3.9	144
80	Model Predictive Control for Hybrid AC/DC Micro-grids. , 2020, , .		1
81	Centralized/Decentralized Optimal Load Flow Based on Tuned Whale Optimization Algorithm. , 2020, , .		2
82	Parameter Estimation of Three Diode Photovoltaic Model Using Grasshopper Optimization Algorithm. <i>Energies</i> , 2020, 13, 497.	1.6	88
83	Grasshopper Optimization Algorithm-Based PI Controller Scheme for Performance Enhancement of a Grid-Connected Wind Generator. <i>Journal of Control, Automation and Electrical Systems</i> , 2020, 31, 393-401.	1.2	11
84	Optimal Network Reconfiguration and Distributed Generation Allocation using Harris Hawks Optimization. , 2020, , .		10
85	A DSM Approach for Distribution Systems with High Wind Power Penetration. <i>Electric Power Components and Systems</i> , 2020, 48, 56-69.	1.0	10
86	Robust Energy Management and Economic Analysis of Microgrids Considering Different Battery Characteristics. <i>IEEE Access</i> , 2020, 8, 54751-54775.	2.6	68
87	Minimizing the Cost of Wide Area Monitoring Systems by Optimal Allocation of PMUs and Their Communication Infrastructure. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 6453-6466.	1.7	7
88	Optimization of cleaning frequency and dust accumulation effect on photovoltaic panels. <i>Journal of Interdisciplinary Mathematics</i> , 2020, 23, 53-68.	0.4	6
89	Competition over resource optimization algorithm for optimal allocating and sizing parking lots in radial distribution network. <i>Journal of Cleaner Production</i> , 2020, 264, 121397.	4.6	19
90	Amplitude based directional relaying scheme for UPFC compensated line during single pole tripping. <i>Electric Power Systems Research</i> , 2020, 184, 106290.	2.1	11

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91	A New Hybrid Method Based on Gray Wolf Optimizer-Crow Search Algorithm for Maximum Power Point Tracking of Photovoltaic Energy System. <i>Green Energy and Technology</i> , 2020, , 421-438.	0.4	14
92	Hosting Capacity Maximization Based on Optimal Reconfiguration of Distribution Networks with Optimized Soft Open Point Operation. , 2020, , 179-193.		3
93	Optimal PMUs placement considering ZIBs and single line and PMUs outages. <i>AIMS Energy</i> , 2020, 8, 122-141.	1.1	9
94	Generation expansion planning with high shares of variable renewable energies. <i>AIMS Energy</i> , 2020, 8, 272-298.	1.1	2
95	Distribution power system reconfiguration using whale optimization algorithm. <i>International Journal of Applied Power Engineering (IJAPE)</i> , 2020, 9, 48.	0.1	6
96	Damping Oscillation Techniques for Wind Farm DFIG Integrated into Inter-Connected Power System. <i>Electric Power Components and Systems</i> , 2020, 48, 1551-1570.	1.0	7
97	Fault Location Scheme for Cross-Country Faults in Dual-Circuit Line Using Optimized Regression Tree. <i>Electric Power Components and Systems</i> , 2020, 48, 1632-1648.	1.0	2
98	Day-Ahead Optimal Scheduling of Distributed Resources and Network Reconfiguration Under Uncertain Environment. <i>Electric Power Components and Systems</i> , 2020, 48, 1945-1954.	1.0	3
99	Optimal Energy-Efficient Integration of Photovoltaic DG in Radial Distribution Systems for Various Load Models. , 2020, , .		4
100	State-of-the-art of hosting capacity in modern power systems with distributed generation. <i>Renewable Energy</i> , 2019, 130, 1002-1020.	4.3	346
101	Whale optimization algorithm to tune PID and PIDA controllers on AVR system. <i>Ain Shams Engineering Journal</i> , 2019, 10, 755-767.	3.5	114
102	Energy-management solutions for microgrids. , 2019, , 483-515.		12
103	Energy Management for Medium-Voltage Direct Current Networks. , 2019, , 43-57.		5
104	Optimal Network Reconfiguration in Active Distribution Networks with Soft Open Points and Distributed Generation. <i>Energies</i> , 2019, 12, 4172.	1.6	57
105	Micro-Small-Scale Horizontal Axis Wind Turbine Design and Performance Analysis for Micro-Grids Applications. , 2019, , 65-117.		3
106	MODWT-based fault detection and classification scheme for cross-country and evolving faults. <i>Electric Power Systems Research</i> , 2019, 175, 105897.	2.1	25
107	Probabilistic Hosting Capacity Enhancement in Non-Sinusoidal Power Distribution Systems Using a Hybrid PSO-GSA Optimization Algorithm. <i>Energies</i> , 2019, 12, 1018.	1.6	50
108	Optimal configuration and energy management scheme of an isolated micro-grid using Cuckoo search optimization algorithm. <i>Journal of the Franklin Institute</i> , 2019, 356, 4191-4214.	1.9	19

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109	Power Extraction from PV Module Using Hybrid ANFIS Controller. Power Systems, 2019, , 209-232.	0.3	3
110	A Novel Maximum Power Point Tracking Method for Photovoltaic Application Using Secant Incremental Gradient Based on Newton Raphson. Power Systems, 2019, , 71-96.	0.3	3
111	Fuzzy multi-objective placement of renewable energy sources in distribution system with objective of loss reduction and reliability improvement using a novel hybrid method. Applied Soft Computing Journal, 2019, 77, 761-779.	4.1	118
112	Harris Hawks Algorithm for Automatic Generation Control of Interconnected Power Systems. , 2019, , .		10
113	A Novel Modified Robust Load Frequency Control for Mass-Less Inertia Photovoltaics Penetrations via Hybrid PSO-WOA Approach. Electric Power Components and Systems, 2019, 47, 1744-1758.	1.0	20
114	Day-Ahead Optimal Scheduling for Grid-Connected Microgrid with Energy Storage Systems. , 2019, , .		6
115	Optimization of the PI controller to improve the dynamic performance of grid-connected photovoltaic system. , 2019, , .		2
116	Gravitational Search and Sine Cosine Algorithms to Enhance the VSC-HVDC System Performance Under Different Disturbances. , 2019, , .		1
117	Optimal Integration of Renewable Distributed Generation in Practical Distribution Grids based on Moth-Flame optimization Algorithm. , 2019, , .		2
118	Sliding Mode Control for Hybrid Power Sources Micro-grid. , 2019, , .		4
119	A Novel Reconfiguration Methodology of Radial Distribution Systems for Power Loss Minimization Using Expanded Invasive Weed optimization. , 2019, , .		4
120	Grey Wolf Algorithm as a Solution for Cascading Control Problem in Converter Based HVDC Energy Transmission System. , 2019, , .		2
121	An Integrated Power Differential Scheme for Tertiary Power Transformer Protection. , 2019, , .		0
122	Photovoltaic Array Reconfiguration to Reduce Partial Shading Losses using Water Cycle Algorithm. , 2019, , .		7
123	Load Restoration in Primary Distribution Networks Using the Binary Particle Swarm Optimization. , 2019, , .		0
124	Multi-Objective Particle Swarm for Optimal Load Shedding Remedy Strategies of Power System. Electric Power Components and Systems, 2019, 47, 1651-1666.	1.0	6
125	A Novel Graphically-Based Network Reconfiguration for Power Loss Minimization in Large Distribution Systems. Mathematics, 2019, 7, 1182.	1.1	23
126	Enhancement of Power Quality with Hybrid Distributed Generation and FACTS Device. IETE Journal of Research, 2019, , 1-12.	1.8	12



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127	Protection Schemes for Sustainable Microgrids. <i>Studies in Systems, Decision and Control</i> , 2019, , 267-296.	0.8	3
128	LVCI approach for optimal capacitors allocation in distribution networks based on hybrid PSO-GSA optimization algorithm. <i>Neural Computing and Applications</i> , 2019, 31, 3833-3850.	3.2	15
129	Single and multi-objective operation management of micro-grid using krill herd optimization and ant lion optimizer algorithms. <i>International Journal of Energy and Environmental Engineering</i> , 2018, 9, 257-271.	1.3	18
130	LVCI approach for optimal allocation of distributed generations and capacitor banks in distribution grids based on moth-flame optimization algorithm. <i>Electrical Engineering</i> , 2018, 100, 2059-2084.	1.2	20
131	Optimal Allocation of Compensators. <i>Power Systems</i> , 2018, , 321-353.	0.3	13
132	Unsynchronized fault-location technique for two- and three-terminal transmission lines. <i>Electric Power Systems Research</i> , 2018, 158, 228-239.	2.1	27
133	Dynamic performance enhancement for wind energy conversion system using Moth-Flame Optimization based blade pitch controller. <i>Sustainable Energy Technologies and Assessments</i> , 2018, 27, 206-212.	1.7	44
134	An adaptive algorithm to prevent distance relay overreach during CCVT transient. <i>Electric Power Systems Research</i> , 2018, 160, 362-371.	2.1	9
135	Optimal sizing and placement of distributed generation in Egyptian radial distribution systems using crow search algorithm. , 2018, , .		12
136	Optimal allocation and sizing of renewable distributed generation using ant lion optimization algorithm. <i>Electrical Engineering</i> , 2018, 100, 99-109.	1.2	88
137	Sliding-mode control of power converters: AC/DC converters & DC/AC inverters. <i>International Journal of Control</i> , 2018, 91, 2573-2587.	1.2	24
138	Grey-Wolf Optimization Scenario for Security Constrained Optimal Power Flow Problem. , 2018, , .		1
139	Different Control Strategies for Converter Based DC Energy Transmission in Offshore Wind Power: A Literature Survey. , 2018, , .		2
140	Hosting Capacity Enhancement of Electrical Distribution Systems under Sinusoidal and Non-Sinusoidal Conditions. , 2018, , .		5
141	Optimal Allocation of Energy Storage System for Improving Performance of Microgrid Using Symbiotic Organisms Search. , 2018, , .		12
142	Fault Analysis and Detection in Total Cross Tied Photovoltaic Arrays. , 2018, , .		0
143	The Optimal Planning and Operation of Energy Storage Systems for Minimizing Cost of Energy Losses and Maximizing Arbitrage Benefit in the Presence of Wind Generation. <i>Electric Power Components and Systems</i> , 2018, 46, 716-727.	1.0	4
144	Multi-Area Hydrothermal Interconnected Load Frequency Control with Double-Fed Induction-Generator-Based Wind Turbine via Improved Harmony Algorithm. <i>Electric Power Components and Systems</i> , 2018, 46, 615-628.	1.0	17

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145	Integration of Renewable Distributed Generation in Distribution Networks Including a Practical Case Study Based on a Hybrid PSOGSA Optimization Algorithm. <i>Electric Power Components and Systems</i> , 2018, 46, 2103-2116.	1.0	10
146	Comparative Performance Analysis of AVR Controllers Using Modern Optimization Techniques. <i>Electric Power Components and Systems</i> , 2018, 46, 2117-2130.	1.0	51
147	A Probabilistic Modeling Strategy for Wind Power and System Demand. <i>Communications in Computer and Information Science</i> , 2018, , 625-640.	0.4	0
148	Design of hybrid power generation systems connected to utility grid and natural gas distribution network. <i>Engineering Review</i> , 2018, 38, 204-214.	0.2	3
149	Design of an adaptive overcurrent protection scheme for microgrids. <i>International Journal of Engineering, Science and Technology</i> , 2018, 10, 1-12.	0.3	4
150	Optimal Conductor Selection of Radial Distribution Feeders: An Overview and New Application Using Grasshopper Optimization Algorithm. , 2018, , 185-217.		5
151	Optimal PI microcontroller-based realization for technical trends of single-stage single-phase grid-tied PV. <i>Engineering Science and Technology, an International Journal</i> , 2018, 21, 945-956.	2.0	11
152	Impact of Optimum Allocation of Renewable Distributed Generations on Distribution Networks Based on Different Optimization Algorithms. <i>Energies</i> , 2018, 11, 245.	1.6	42
153	Detailed Investigation and Performance Improvement of the Dynamic Behavior of Grid-Connected DFIG-Based Wind Turbines Under LVRT Conditions. <i>IEEE Transactions on Industry Applications</i> , 2018, 54, 4795-4812.	3.3	74
154	Practical Considerations for Optimal Conductor Reinforcement and Hosting Capacity Enhancement in Radial Distribution Systems. <i>IEEE Access</i> , 2018, 6, 27268-27277.	2.6	67
155	Time-Efficient Load Flow Technique for Radial Distribution Systems with Voltage-Dependent Loads. <i>International Journal on Energy Conversion</i> , 2018, 6, 196.	0.5	3
156	Electrical energy management in unbalanced distribution networks using virtual power plant concept. <i>Electric Power Systems Research</i> , 2017, 145, 157-165.	2.1	56
157	An Accurate Technique for Discrimination between Transient and Permanent Faults in Transmission Networks. <i>Electric Power Components and Systems</i> , 2017, 45, 366-381.	1.0	15
158	A novel single end measuring system based fast identification scheme for transmission line faults. Measurement: <i>Journal of the International Measurement Confederation</i> , 2017, 103, 263-274.	2.5	28
159	A comparison of different global MPPT techniques based on meta-heuristic algorithms for photovoltaic system subjected to partial shading conditions. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 74, 377-386.	8.2	175
160	Egyptian Grid Code of Wind Farms and Power Quality. , 2017, , 227-245.		9
161	A non-unit protection scheme for double circuit series capacitor compensated transmission lines. <i>Electric Power Systems Research</i> , 2017, 148, 311-325.	2.1	40
162	Energy hub optimization using modified firefly algorithm. , 2017, , .		5

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163	An optimal/adaptive reclosing technique for transient stability enhancement under single pole tripping. <i>Electric Power Systems Research</i> , 2017, 151, 348-358.	2.1	20
164	Grey Wolf Optimizer for Optimal Sizing and Siting of Energy Storage System in Electric Distribution Network. <i>Electric Power Components and Systems</i> , 2017, 45, 601-614.	1.0	47
165	A novel approach based on crow search algorithm for optimal selection of conductor size in radial distribution networks. <i>Engineering Science and Technology, an International Journal</i> , 2017, 20, 391-402.	2.0	68
166	A directional protection scheme during single pole tripping. <i>Electric Power Systems Research</i> , 2017, 144, 197-207.	2.1	25
167	Optimal PMUs placement for full observability of electrical power systems using flower pollination algorithm. , 2017, , .		7
168	A new fuzzy framework for the optimal placement of phasor measurement units under normal and abnormal conditions. <i>Resource-efficient Technologies</i> , 2017, 3, 542-549.	0.1	7
169	Firefly Optimization Algorithm for the Reactive Power Control of an Isolated Wind-Diesel System. <i>Electric Power Components and Systems</i> , 2017, 45, 1413-1425.	1.0	3
170	Synchrophasors assisted protection scheme for the shuntâ€ compensated transmission line. <i>IET Generation, Transmission and Distribution</i> , 2017, 11, 3406-3416.	1.4	11
171	Modern optimization algorithms for fault location estimation in power systems. <i>Engineering Science and Technology, an International Journal</i> , 2017, 20, 1475-1485.	2.0	9
172	Application and performance comparison of variants of the firefly algorithm to the Economic Load Dispatch problem. , 2017, , .		7
173	Artificial Bee Colony Optimization Algorithm for Fault Section Estimation. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 127-139.	0.5	1
174	Ant Lion Optimization Algorithm for optimal location and sizing of renewable distributed generations. <i>Renewable Energy</i> , 2017, 101, 1311-1324.	4.3	256
175	Double-layer Firefly Algorithm for Simultaneous Optimal Sizing and Operation of Energy Hubs. <i>Electric Power Components and Systems</i> , 2017, 45, 1846-1857.	1.0	5
176	Crow search algorithm for improving the performance of an inverter-based distributed generation system. , 2017, , .		9
177	A probabilistic approach for maximizing the islanding success of microgrids. , 2017, , .		6
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179	Optimal selection of conductors in Egyptian radial distribution systems using sine-cosine optimization algorithm. , 2017, , .		25
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