Integrating distributed generation into electric power s challenges and opportunities

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Citation Report

#	Article	IF	CITATIONS
1	Testing power system controllers by real-time simulation. , 2007, , .		5
2	Control of distributed generation. Elektrotechnik Und Informationstechnik, 2008, 125, 409-414.	0.7	32
3	Normal boundary intersection and benefit–cost ratio for distributed generation planning. European Transactions on Electrical Power, 2010, 20, 97-113.	1.0	15
4	Grappling with a half-hearted policy: The case of renewable energy and the environment in South Africa. Energy Policy, 2008, 36, 2513-2516.	4.2	30
5	Two-level and multilevel converters for wind energy systems: A comparative study. , 2008, , .		16
6	Islanding operation of distributed generators in active distribution networks. , 2008, , .		11
7	Voltage profile improvement and line loss reduction with distributed generation in deregulated electricity markets. , 2008 , , .		11
8	Simulation of wind power generation with matrix and multi-level converters: Power quality analysis. , 2008, , .		2
9	Islanding Protection of Distribution Systems with Distributed Generators – A Comprehensive Survey Report. , 2008, , .		33
10	Analysis of three phase distribution networks with distributed generation. , 2008, , .		10
11	Modeling and simulation of a wind energy system: Matrix versus multilevel converters. , 2008, , .		9
12	UK Scenario of Islanded Operation of Active Distribution Networks – A Survey. , 2008, , .		5
13	ANN and fuzzy logic controller design for hybrid wind/PV system connected to MV distribution grid. International Journal of Energy Sector Management, 2008, 2, 499-520.	1.2	0
14	Impact of distributed generation on network security: Effects on loss-of-main protection reliability. , 2008, , .		8
15	Distributed generation location based on fuel cost minimization in deregulated electricity markets. , 2008, , .		3
16	The operation of a distribution company under uncertainty: An overview. , 2009, , .		3
17	ICT systems for managing medium voltage active distribution grids. , 2009, , .		7
18	Grid interconnection of distributed generation: The Spanish normative. , 2009, , .		5

#	Article	IF	Citations
19	Active islanding of a current-controlled converter-interfaced DG. , 2009, , .		5
20	Distributed energy resources interconnection: The Spanish normative. , 2009, , .		3
21	Robust Power System Frequency Control. , 2009, , .		621
22	The cost of water from an autonomous wave-powered desalination plant. Renewable Energy, 2009, 34, 75-81.	4.3	28
23	The impact of microgeneration upon the Dutch balancing market. Energy Policy, 2009, 37, 2788-2797.	4.2	18
24	Islanding protection of active distribution networks with renewable distributed generators: A comprehensive survey. Electric Power Systems Research, 2009, 79, 984-992.	2.1	127
25	Options for improving the load matching capability of distributed photovoltaics: Methodology and application to high-latitude data. Solar Energy, 2009, 83, 1953-1966.	2.9	129
26	Distributed multi-generation: A comprehensive view. Renewable and Sustainable Energy Reviews, 2009, 13, 535-551.	8.2	609
27	Distributed generation: An empirical analysis of primary motivators. Energy Policy, 2009, 37, 1648-1659.	4.2	91
28	Analyzing the impacts of plug-in electric vehicles on distribution networks in British Columbia. , 2009,		91
29	Linking energy policy, electricity generation and transmission using strong sustainability and co-optimization. , 2009, , .		1
30	New Price Area Zonal-based Approach for Optimal Location of Distributed Generation in Hybrid Electricity Markets. Electric Power Components and Systems, 2009, 37, 672-692.	1.0	4
31	Modeling and Simulation of Wind Energy Systems with Matrix and Multilevel Power Converters. IEEE Latin America Transactions, 2009, 7, 78-84.	1.2	34
32	Assessing the impact of distributed generation on distribution network costs. , 2009, , .		9
33	A communication system architecture for regional control of power distribution networks., 2009,,.		6
34	Modeling the stochastic dependencies in a probabilistic load flow including wind generation. , 2009, , .		4
35	Distributed resources standards: The case of Spain. , 2009, , .		2
36	A 50kW PEM fuel cell inverter-based distributed generation system for grid connected and islanding operation., 2009,,.		2

#	Article	IF	CITATIONS
37	Allocation of decentralized generators in distribution networks for enhancing normal operation loadability. , 2009, , .		7
38	Voltage support by distributed generation units and shunt capacitors in distribution systems. , 2009, , .		30
39	Operation and control of DG based power island in Smart Grid environment., 2009,,.		6
40	A procedure for the automatic scheduling of distributed energy resources in medium voltage networks. , 2009, , .		5
41	Re-Emergence of Distributed Generation in Electric Power Systems: Incentives, Values and Issues. Energy and Environment, 2010, 21, 75-92.	2.7	6
42	Exploration and Prioritization of Fuel Cell Commercialization Barriers for Use in the Development of a Fuel Cell Roadmap for California. Journal of Fuel Cell Science and Technology, 2010, 7, .	0.8	4
43	Mathematical modeling of electrochemical storage for incorporation in methods to optimize the operational planning of an interconnected micro grid. Journal of Zhejiang University: Science C, 2010, 11, 737-750.	0.7	32
44	Uncertainty based distributed generation expansion planning in electricity markets. Electrical Engineering, 2010, 91, 369-382.	1.2	17
45	A novel multi-objective PSO for electrical distribution system planning incorporating distributed generation. Energy Systems, 2010, 1, 291-337.	1.8	53
46	Short-Term Scheduling and Control of Active Distribution Systems With High Penetration of Renewable Resources. IEEE Systems Journal, 2010, 4, 313-322.	2.9	209
47	Microturbine Control Modeling to Investigate the Effects of Distributed Generation in Electric Energy Networks. IEEE Systems Journal, 2010, 4, 303-312.	2.9	44
48	Power converter topologies for wind energy conversion systems: Integrated modeling, control strategy and performance simulation. Renewable Energy, 2010, 35, 2165-2174.	4.3	69
49	Multi-objective planning of distributed energy resources: A review of the state-of-the-art. Renewable and Sustainable Energy Reviews, 2010, 14, 1353-1366.	8.2	299
50	Improvement of power quality using distributed generation. International Journal of Electrical Power and Energy Systems, 2010, 32, 1069-1076.	3.3	63
51	Linking energy policy, electricity generation and transmission using strong sustainability and co-optimization. Electric Power Systems Research, 2010, 80, 633-641.	2.1	14
52	Grid interconnection of renewable energy sources: Spanish legislation. Energy for Sustainable Development, 2010, 14, 104-109.	2.0	12
53	Mitigating the impact of distributed generation on distribution network costs through advanced response options, , 2010, , .		4
54	Multiattribute value function for the assessment of distributed generation projects: Application to technical criteria., 2010,,.		1

#	Article	IF	CITATIONS
55	Sliding mode observation of capacitor voltage in multilevel power converters. , 2010, , .		9
56	Evaluation of Virtual Power Plant (VPP) operation based on actual measurements. , 2010, , .		8
57	Embedding measurement in Distribution Automation Systems. , 2010, , .		5
58	Power quality disturbance detection in grid-connected wind energy system using wavelet and S-transform. , 2010, , .		4
59	A Novel Hybrid Power Flow Algorithm for Distribution System with DGs. , 2010, , .		3
60	Local Control of Reactive Power by Distributed Photovoltaic Generators. , 2010, , .		127
61	Synchronized phasors monitoring during the islanding maneuver of an active distribution network, , 2010, , .		10
62	An application of the successive shortest path algorithm to manage power in multi-agent system based active networks. European Transactions on Electrical Power, 2010, 20, 1138-1152.	1.0	13
63	Electric power transmission network design for wind generation in the Western United States: Algorithms, methodology, and analysis. , 2010, , .		11
64	Optimal distributed generation location using mixed integer non-linear programming in hybrid electricity markets. IET Generation, Transmission and Distribution, 2010, 4, 281.	1.4	115
65	Multi-objective planning of Distributed Energy Resources with probabilistic constraints. , 2010, , .		6
66	Novel architectures and operation modes of distribution network to increase DG integration. , 2010, , .		8
67	Sensitivity analysis of voltage imbalance in distribution networks with rooftop PVs. , 2010, , .		51
68	Optimal decision making for Virtual Power Plant operation. , 2010, , .		11
69	Control of inverter-interfaced distributed generation systems in different operation modes., 2010,,.		2
70	A novel islanding detection method for constant current inverter based distributed generations. , $2011, , .$		6
71	Long-term Performance Comparison of Multiple Distributed Generation Allocations Using a Clustering-based Method. Electric Power Components and Systems, 2011, 40, 195-218.	1.0	22
72	Active management of distribution networks in presence of distributed generations. , $2011, \ldots$		13

#	ARTICLE	IF	CITATIONS
73	Energy efficient operating strategies for building combined heat and power systems. HVAC and R Research, 2011, 17, 323-343.	0.9	1
74	Communication Infrastructures for Distributed Control of Power Distribution Networks. IEEE Transactions on Industrial Informatics, 2011, 7, 316-327.	7.2	223
75	A Correlation Index to Evaluate Impact of PV Installation on Joule Losses. IEEE Transactions on Power Systems, 2011, 26, 1564-1572.	4.6	6
76	Aggregated Distribution Company's Profit Model in Hourly Ahead Energy and Reserve Markets. Electric Power Components and Systems, 2011, 39, 1264-1284.	1.0	1
77	Virtual Power Plant Control concepts with Electric Vehicles. , 2011, , .		42
78	A control methodology for renewable energy integrations in distribution systems. , 2011, , .		1
79	Probabilistic load flow procedure for assessing the distributed generation impact on the high voltage network. , $2011, , .$		1
80	A Reference Network Model for Large-Scale Distribution Planning With Automatic Street Map Generation. IEEE Transactions on Power Systems, 2011, 26, 190-197.	4.6	121
81	Investigation of influential factors on passive islanding detection methods of inverter based distributed generation. , $2011, \ldots$		8
82	Reactive power ranking for DG units in distribution networks. , 2011, , .		6
83	A Self-Organizing Strategy for Power Flow Control of Photovoltaic Generators in a Distribution Network. IEEE Transactions on Power Systems, 2011, 26, 1462-1473.	4.6	243
84	Smart Operation of Wind Turbines and Diesel Generators According to Economic Criteria. IEEE Transactions on Industrial Electronics, 2011, 58, 4514-4525.	5.2	176
85	A Population Dynamics Approach for the Dispatch of Distributed Generators. IEEE Transactions on Industrial Electronics, 2011, 58, 4559-4567.	5.2	101
86	A review on islanding operation and control for distribution network connected with small hydro power plant. Renewable and Sustainable Energy Reviews, 2011, 15, 3952-3962.	8.2	75
87	A review of drivers, benefits, and challenges in integrating renewable energy sources into electricity grid. Renewable and Sustainable Energy Reviews, 2011, 15, 4775-4779.	8.2	122
88	Demand Response With Micro-CHP Systems. Proceedings of the IEEE, 2011, 99, 200-213.	16.4	200
89	Options for Control of Reactive Power by Distributed Photovoltaic Generators. Proceedings of the IEEE, 2011, 99, 1063-1073.	16.4	581
90	Synchronized Phasors Monitoring During the Islanding Maneuver of an Active Distribution Network. IEEE Transactions on Smart Grid, 2011, 2, 82-91.	6.2	204

#	Article	IF	CITATIONS
91	Large-scale integration of renewable and distributed generation of electricity in Spain: Current situation and future needs. Energy Policy, 2011, 39, 8078-8087.	4.2	47
92	A novel energy service model and optimal scheduling algorithm for residential distributed energy resources. Electric Power Systems Research, 2011, 81, 2155-2163.	2.1	24
93	Economic dispatch of virtual power plants in an event-driven service-oriented framework using standards-based communications. Electric Power Systems Research, 2011, 81, 2108-2119.	2.1	63
94	Voltage imbalance analysis in residential low voltage distribution networks with rooftop PVs. Electric Power Systems Research, 2011, 81, 1805-1814.	2.1	127
95	Open lean electricity supply communities. Energy Systems, 2011, 2, 407-422.	1.8	12
96	Trends of distributed generation development in Lithuania. Energy Policy, 2011, 39, 4656-4663.	4.2	19
97	Energy losses in a distribution line with distributed generation based on stochastic power flow. Electric Power Systems Research, 2011, 81, 1986-1994.	2.1	44
98	UK scenario of islanded operation of active distribution networks with renewable distributed generators. International Journal of Electrical Power and Energy Systems, 2011, 33, 1251-1255.	3. 3	27
99	Paradigm shift in urban energy systems through distributed generation: Methods and models. Applied Energy, 2011, 88, 1032-1048.	5.1	346
100	An efficient three-phase power flow algorithm for distribution system including PV nodes. , 2011, , .		1
101	Potential benefits of distributed generators to power systems. , 2011, , .		7
102	Feed-in tariffs for wind energy in Portugal: Current status and prospective future. , 2011, , .		6
103	Stability evaluation of distributed generator integrated system with index based placement of STATCOM. , 2011, , .		2
104	A multi-objective evaluation of the impact of the penetration of Distributed Generation. , 2011, , .		3
105	Simulation platform for micro-grids with demand-side management. , 2011, , .		4
106	Overview of voltage control strategies in medium voltage networks with implementation of distributed generation. , $2011, \ldots$		5
107	Distributed Generation: A Power System Perspective. , 2011, , 563-585.		2
108	Design of a flexible architecture to integrate renewables in electric distribution grids. , 2011, , .		1

#	Article	IF	Citations
109	Probabilistic analysis in normal operation of distribution system with distributed generation. , 2011, , .		1
110	Carbon Lock-Out: Advancing Renewable Energy Policy in Europe. Energies, 2012, 5, 323-354.	1.6	103
111	A simulation environment for the investigation into loss of mains detection methods for grid connected single phase inverters. , 2012 , , .		0
112	State-of-art review on regulation for distributed generation integration in distribution systems. , 2012, , .		8
113	Intelligent electronic device for Smart Grid: Statistical approach applied to event detection., 2012,,.		4
114	Losses assessment on distribution networks in presence of dispersed generation., 2012,,.		2
115	Optimal ESS operation strategy in distribution system with wind power. , 2012, , .		1
116	Partial feedback linearizing controller design for a DSTATCOM to enhance voltage stability of distribution network with distributed generation. , 2012, , .		1
117	Integrating larger RES share in distribution networks: advanced voltage control and its application on real mv networks. , 2012 , , .		4
118	DistFlow ODE: Modeling, analyzing and controlling long distribution feeder., 2012,,.		12
119	Towards an IEC 61499 compliance profile for smart grids review and analysis of possibilities. , 2012, , .		17
120	Power Factor Optimization of Distributed Generations in Distribution Networks Based on Improved Particle Swarm Optimization Method. Advanced Materials Research, 0, 516-517, 1408-1413.	0.3	1
121	Capacity management within a multi-agent market-based active distribution network., 2012,,.		20
122	The path forward. , 0, , 267-284.		0
123	Harmonic assessment of a multi-megawatt wind farm incorporating a robust and computationally efficient metric to quantify harmonic bursts. , 2012 , , .		0
124	Regulation impact on distribution systems with distributed generation. , 2012, , .		1
125	Analysis and mitigation of transient overvoltage with integration of small scale power-electronic interfaced DG., 2012,,.		5
126	A DSO-oriented mathematical model for dispersed generation management on MV networks. , 2012, , .		8

#	Article	IF	Citations
127	A comparative study regarding the optimal placement of the DG sources. , 2012, , .		0
128	Selection of appropriate methodology for distributed generation under severity conditions. , 2012, , .		0
129	A multi-objective planning framework for optimal integration of distributed generations. , 2012, , .		4
130	Development of innovative systems for operation and control of electric power distribution networks: Management and optimal use of distributed generation and of nenewable energy resources. , 2012, , .		1
131	Investigation of the Virtual Synchronous Machine in the island mode., 2012,,.		49
132	Dynamic characteristics of a hybrid microgrid with inverter and non-inverter interfaced renewable energy sources: A case study., 2012,,.		18
133	Nondetection Index of Anti-Islanding Passive Protection of Synchronous Distributed Generators. IEEE Transactions on Power Delivery, 2012, 27, 1509-1518.	2.9	14
134	Smart Gateway Grid: A DG-Based Residential Electric Power Supply System. IEEE Transactions on Smart Grid, 2012, 3, 2232-2239.	6.2	29
135	Smart Grid Inverter Interface: Statistical approach applied to event detection. , 2012, , .		2
136	Self-healing for smart grids: Problem formulation and considerations. , 2012, , .		8
137	DG placement in distribution networks considering voltage stability. , 2012, , .		2
138	EmPower: An Efficient Load Balancing Approach for Massive Dynamic Contingency Analysis in Power Systems. , 2012, , .		6
139	Coordination strategy for harmonic compensation using multiple distributed resources. , 2012, , .		1
140	Reliability-based appraisal of Smart Grid challenges and realization. , 2012, , .		4
141	Enhancing small signal stability of an emerging distribution system by a coordinated controller. , 2012, , .		0
142	A user-mode distributed energy management architecture for smart grid applications. Energy, 2012, 44, 167-177.	4.5	125
143	Excess power circulation in distribution networks containing distributed energy resources., 2012,,.		6
144	The parallel algorithm of transient simulation for distributed generation powered micro-grid. , 2012, , .		1

#	Article	IF	Citations
145	Combined central and local control of reactive power in electrical grids with distributed generation. , $2012, \ldots$		21
146	iSwitch: Coordinating and optimizing renewable energy powered server clusters. , 2012, , .		30
147	Analogy Between Conventional Grid Control and Islanded Microgrid Control Based on a Global DC-Link Voltage Droop. IEEE Transactions on Power Delivery, 2012, 27, 1405-1414.	2.9	136
148	A day-ahead energy market simulation framework for assessing the impact of decentralized generators on step-down transformer power flows. International Journal of Electrical Power and Energy Systems, 2012, 35, 10-20.	3.3	5
149	Optimizing traditional urban network architectures to increase distributed generation connection. International Journal of Electrical Power and Energy Systems, 2012, 35, 148-157.	3.3	15
150	Two-stage distributed generation optimal sizing with clustering-based node selection. International Journal of Electrical Power and Energy Systems, 2012, 40, 120-129.	3.3	75
151	Distributed generation planning using differential evolution accounting voltage stability consideration. International Journal of Electrical Power and Energy Systems, 2012, 42, 196-207.	3.3	115
152	Control-oriented modeling of the energy-production of a synchronous generator in a nuclear power plant. Energy, 2012, 39, 135-145.	4.5	2
153	A simulation and optimisation study: Towards a decentralised microgrid, using real world fluctuation data. Energy, 2012, 41, 549-559.	4.5	76
154	Supplementing demand management programs with distributed generation options. Electric Power Systems Research, 2012, 84, 195-200.	2.1	19
155	Ancillary services market framework for voltage control in distribution networks with microgrids. Electric Power Systems Research, 2012, 86, 1-7.	2.1	89
156	Power systems' optimal peak-shaving applying secondary storage. Electric Power Systems Research, 2012, 89, 80-84.	2.1	77
157	Multi-objective evolutionary particle swarm optimization in the assessment of the impact of distributed generation. Electric Power Systems Research, 2012, 89, 100-108.	2.1	47
158	Convergence of rule-of-thumb sizing and allocating rules of distributed generation in meshed power networks. Renewable and Sustainable Energy Reviews, 2012, 16, 582-590.	8.2	24
159	A three-level space vector modulated grid connected inverter with control scheme based on instantaneous power theory. Simulation Modelling Practice and Theory, 2012, 25, 134-147.	2.2	32
160	Group search optimizer based optimal location and capacity of distributed generations. Neurocomputing, 2012, 78, 55-63.	3.5	60
161	Modeling and performance analysis of hybrid fuel cell and microturbine based distributed generation system, & amp; #x201C; A review & amp; #x201D; . , 2013, , .		5
162	A closed-loop energy price controlling method for real-time energy balancing in a smart grid energy market. Energy, 2013, 59, 95-104.	4.5	42

#	Article	IF	CITATIONS
163	Optimal allocation of combined DG and capacitor for real power loss minimization in distribution networks. International Journal of Electrical Power and Energy Systems, 2013, 53, 967-973.	3.3	215
164	V2G strategies for congestion management in microgrids with high penetration of electric vehicles. Electric Power Systems Research, 2013, 104, 28-34.	2.1	70
165	Voltage Quality Assessment in a Distribution System With Distributed Generation—A Probabilistic Load Flow Approach. IEEE Transactions on Power Delivery, 2013, 28, 1652-1662.	2.9	57
166	Coordinated management of distributed energy resources in electrical distribution systems. , 2013, , .		14
167	Energy Networks. , 2013, , 135-147.		1
168	Wind power system state estimation with automatic differentiation technique. International Journal of Electrical Power and Energy Systems, 2013, 53, 297-306.	3.3	12
169	Towards a Semantic Driven Framework for Smart Grid Applications: Model-Driven Development Using CIM, IEC 61850 and IEC 61499. Informatik-Spektrum, 2013, 36, 58-68.	1.0	36
170	A communication architecture for power routing in the smart grid. , 2013, , .		8
171	Potential of structural thermal mass for demand-side management in dwellings. Building and Environment, 2013, 64, 187-199.	3.0	167
172	Towards a common modeling approach for Smart Grid automation. , 2013, , .		10
173	Nonlinear DSTATCOM controller design for distribution network with distributed generation to enhance voltage stability. International Journal of Electrical Power and Energy Systems, 2013, 53, 974-979.	3.3	32
174	The hydrologic and economic feasibility of micro hydropower upfitting and integration of existing low-head dams in the United States. Energy Policy, 2013, 63, 261-271.	4.2	7
175	Sizing criteria of hybrid photovoltaic–wind systems with battery storage and self-consumption considering interaction with the grid. Solar Energy, 2013, 98, 582-591.	2.9	71
176	Modeling, control, and power management of a power electrical system including two distributed generators based on fuel cell and supercapacitor. Journal of Renewable and Sustainable Energy, 2013, 5, 033122.	0.8	1
178	Voltage Stability Constrained Distributed Generation Planning using Modified Bare Bones Particle Swarm Optimization. Journal of the Institution of Engineers (India): Series B, 2013, 94, 123-133.	1.3	7
179	Study on effectiveness evaluation of the siting of DG based on a TOPSIS method-based approach. , 2013, , .		1
180	Active network management: Planning under uncertainty for exploiting load modulation. , 2013, , .		20
181	Distributed generation system with renewable energy sources: Grid modeling and simulation. , 2013, , .		2

#	Article	IF	CITATIONS
182	Integration of distributed generation to support the electricity supply: Stability analysis in a colombian microgrid. , 2013 , , .		О
183	Adaptive control of distributed generation for microgrid islanding. , 2013, , .		16
184	Dispersed generation to provide ancillary services: AlpStore project., 2013,,.		0
185	Determining reactive power levels necessary to provide optimal feeder line voltage regulation. , 2013, , .		3
186	Nondetection index of anti-islanding passive protection of synchronous distributed generators. , 2013, , .		0
187	Incentive from network regulation for distribution system operators to integrate distributed generation: The Portuguese case., 2013,,.		1
188	Filtering and processing of harmonic signals using averaging technique in digital relays. , 2013, , .		0
189	Power flow calculation for unbalanced three-phase distribution network with DGs based on phase-sequence hybrid modeling. , 2013, , .		6
190	Phasor measurement units for smart grids: Estimation algorithms and performance issues. , 2013, , .		4
191	Controllable hybrid power system based on renewable energy sources for modern electrical grids. Renewable Energy, 2013, 53, 271-279.	4.3	39
192	Dynamic sub-transmission system expansion planning incorporating distributed generation using hybrid DCGA and LP technique. International Journal of Electrical Power and Energy Systems, 2013, 48, 111-122.	3.3	30
193	Optimal distributed renewable generation planning: A review of different approaches. Renewable and Sustainable Energy Reviews, 2013, 18, 626-645.	8.2	215
194	Review of the impact of electric vehicles participating in frequency regulation on power grid., 2013,,.		6
195	Comprehensive multiâ€year distribution system planning using backâ€propagation approach. IET Generation, Transmission and Distribution, 2013, 7, 1415-1425.	1.4	38
196	A Real-Time Power Allocation Algorithm and its Communication Optimization for Geographically Dispersed Energy Storage Systems. IEEE Transactions on Power Systems, 2013, 28, 4732-4741.	4.6	30
197	Voltage-Based Droop Control of Renewables to Avoid On–Off Oscillations Caused by Overvoltages. IEEE Transactions on Power Delivery, 2013, 28, 845-854.	2.9	39
198	Swarm Intelligence Approaches to Optimal Power Flow Problem With Distributed Generator Failures in Power Networks. IEEE Transactions on Automation Science and Engineering, 2013, 10, 343-353.	3.4	113
199	A Survey on Smart Grid Potential Applications and Communication Requirements. IEEE Transactions on Industrial Informatics, 2013, 9, 28-42.	7.2	920

#	Article	IF	CITATIONS
200	Scenario-based modelling of future residential electricity demands and assessing their impact on distribution grids. Energy Policy, 2013, 56, 233-247.	4.2	77
201	Virtual power plantâ€based distributed control strategy for multiple distributed generators. IET Control Theory and Applications, 2013, 7, 90-98.	1.2	59
202	Dispersed generation impact on distribution network losses. Electric Power Systems Research, 2013, 97, 10-18.	2.1	59
203	Phasor measurement units for the distribution grid: Necessity and benefits., 2013,,.		39
204	Electricity generation from renewables in the United States: Resource potential, current usage, technical status, challenges, strategies, policies, and future directions. Renewable and Sustainable Energy Reviews, 2013, 24, 454-472.	8.2	47
205	Advanced Models and Simulation Tools to Address Electric Vehicle Power System Integration (Steady-State and Dynamic Behavior)., 2013,, 155-202.		1
206	Optimal penetration levels for inverter-based distributed generation considering harmonic limits. Electric Power Systems Research, 2013, 97, 68-75.	2.1	43
207	AC-microgrids versus DC-microgrids with distributed energy resources: A review. Renewable and Sustainable Energy Reviews, 2013, 24, 387-405.	8.2	1,004
208	Decision making of a virtual power plant under uncertainties for bidding in a day-ahead market using point estimate method. International Journal of Electrical Power and Energy Systems, 2013, 44, 88-98.	3.3	189
209	An analysis of a feed-in tariff in Taiwan's electricity market. International Journal of Electrical Power and Energy Systems, 2013, 44, 916-920.	3.3	13
210	The integrated framework for analysis of electricity supply chain using an integrated SWOT-fuzzy TOPSIS methodology combined with AHP: The case of Turkey. International Journal of Electrical Power and Energy Systems, 2013, 44, 897-907.	3.3	84
211	Online Reconfigurable Control Software for IEDs. IEEE Transactions on Industrial Informatics, 2013, 9, 1455-1465.	7.2	36
212	Can distributed resources contribute to micro grid operation and support?: Technical and economic considerations in a sub-network of the Colombian Power System., 2013,,.		0
213	A DFT-based synchrophasor, frequency and ROCOF estimation algorithm. , 2013, , .		14
214	What's the difference between traditional power grid and smart grid? & amp; \pm x2014; From dispatching perspective., 2013,,.		23
215	Fuel cell based hybrid distributed generation systems, & amp; #x201C; a review & amp; #x201D; . , 2013, , .		4
216	Can photovoltaic panels support distribution network failures?: Harmonic analysis in a colombian microgrid., 2013,,.		0
217	A view of microgrids. Wiley Interdisciplinary Reviews: Energy and Environment, 2013, 2, 86-103.	1.9	54

#	Article	IF	CITATIONS
218	Voltage Stability-Based DG Placement in Distribution Networks. IEEE Transactions on Power Delivery, 2013, 28, 171-178.	2.9	158
219	Economic and Efficient Voltage Management Using Customer-Owned Energy Storage Systems in a Distribution Network With High Penetration of Photovoltaic Systems. IEEE Transactions on Power Systems, 2013, 28, 102-111.	4.6	157
220	Integration of distributed energy resources (DER) to the grid. , 2013, , 108-129.		2
221	Improving Power Quality in Low-Voltage Networks Containing Distributed Energy Resources. International Journal of Emerging Electric Power Systems, 2013, 14, 67-78.	0.6	11
222	Krylov subspace based model reduction method for transient simulation of active distribution grid., $2013, \dots$		3
223	A real-time power allocation algorithm for dispersed energy storages and its communication network design. , 2013, , .		0
224	State-space model generation of distribution networks for model order reduction application. , 2013, , .		1
225	Voltage Control on LV Distribution Network: Local Regulation Strategies for DG Exploitation. Research Journal of Applied Sciences, Engineering and Technology, 2014, 7, 4891-4905.	0.1	6
226	Interconnected Distribution Networks for Climate Change Abatement. Research Journal of Applied Sciences, Engineering and Technology, 2014, 7, 240-250.	0.1	5
227	Global Renewable Energy-Based Electricity Generation and Smart Grid System for Energy Security. Scientific World Journal, The, 2014, 2014, 1-13.	0.8	60
228	Integration of Distributed Energy Resources. Research Journal of Applied Sciences, Engineering and Technology, 2014, 7, 91-96.	0.1	26
229	Optimal real-time integration control of a virtual power plant. , 2014, , .		6
230	Decision trees aided scheduling for firm power capacity provision by virtual power plants. International Journal of Electrical Power and Energy Systems, 2014, 63, 730-739.	3.3	30
231	Stability enhancement of droop controlled PV based Microgrid with frequency dependent load. , 2014,		3
232	Recent advancements on the development of microgrids. Journal of Modern Power Systems and Clean Energy, 2014, 2, 206-211.	3.3	42
233	A pre-estimation filtering process of bad data for linear power systems state estimators using PMUs. , 2014, , .		28
234	Optimal placement and sizing of DG based on power stability index in radial distribution system. , 2014, , .		11
235	Technological Innovation for Collective Awareness Systems. IFIP Advances in Information and Communication Technology, 2014, , .	0.5	7

#	Article	IF	CITATIONS
236	A new linearization method of unbalanced electrical distribution networks., 2014,,.		7
237	Simulation of a-Si PV system linked to the grid by DC-DC boost and two-level converter. , 2014, , .		3
238	Applications of Petri Nets in electric power systems. , 2014, , .		6
239	Implementation of Dynamic Line Rating technique in a 130 kV regional network. , 2014, , .		13
240	The research on the autonomous power balance framework for distribution network based on multi-agent modeling. , 2014 , , .		0
241	A control strategy for DC-link voltage control containing PV generation and energy storage — An intelligent approach. , 2014, , .		2
242	Stochastic day-ahead optimal scheduling of Active Distribution Networks with dispersed energy storage and renewable resources. , 2014 , , .		6
243	An Invasive Weed Optimization for loss reduction in distribution systems. , 2014, , .		1
244	Voltage profile and loss assessment of distribution systems with fixed speed wind generators. , 2014, , .		2
245	Catastrophe theory as a tool for DG placement decision making. , 2014, , .		0
246	A fast optimization method for the distribution system with energy storage based on conic programming. , 2014, , .		0
247	Communication Challenges and Solutions in the Smart Grid. SpringerBriefs in Computer Science, 2014,	0.2	11
248	Energy Losses and Voltage Stability Study in Distribution Network with Distributed Generation. Journal of Applied Mathematics, 2014, 2014, 1-7.	0.4	5
249	EMTP-type realization of model reduction algorithms for transient simulation of distribution networks. , $2014, , .$		2
250	Optimization of India's electricity generation portfolio using intelligent Pareto-search genetic algorithm. International Journal of Electrical Power and Energy Systems, 2014, 55, 13-20.	3.3	17
251	Long term scheduling for optimal allocation and sizing of DG unit considering load variations and DG type. International Journal of Electrical Power and Energy Systems, 2014, 54, 277-287.	3.3	83
252	Optimal investment and scheduling of distributed energy resources with uncertainty in electric vehicle driving schedules. Energy, 2014, 64, 17-30.	4.5	93
253	Voltage Variation on Distribution Networks With Distributed Generation: Worst Case Scenario. IEEE Systems Journal, 2014, 8, 1096-1103.	2.9	51

#	ARTICLE	IF	CITATIONS
254	An Optimal and Distributed Demand Response Strategy With Electric Vehicles in the Smart Grid. IEEE Transactions on Smart Grid, 2014, 5, 861-869.	6.2	218
255	Optimal distributed generation placement under uncertainties based on point estimate method embedded genetic algorithm. IET Generation, Transmission and Distribution, 2014, 8, 389-400.	1.4	156
256	Integration of 100% micro-distributed energy resources in the low voltage distribution network: A Danish case study. Applied Thermal Engineering, 2014, 71, 797-808.	3.0	19
257	Policies and demonstrations of micro-grids in China: A review. Renewable and Sustainable Energy Reviews, 2014, 29, 701-718.	8.2	48
258	A combined centralized/decentralized voltage regulation method for PV inverters in LV distribution networks. , 2014, , .		8
259	IEC 61850/61499 Control of Distributed Energy Resources: Concept, Guidelines, and Implementation. IEEE Transactions on Energy Conversion, 2014, 29, 1008-1017.	3.7	40
260	Application of DSTATCOM for surplus power circulation in MV and LV distribution networks with single-phase distributed energy resources. Electric Power Systems Research, 2014, 117, 104-114.	2.1	18
261	Rectifier stage operation and controller design for a medium voltage solid state transformer with LCL filter. , 2014, , .		2
262	A simple algorithm for distribution system load flow with distributed generation. , 2014, , .		20
263	A simulation of integrated photovoltaic conversion into electric grid. Solar Energy, 2014, 110, 578-594.	2.9	12
264	Fair sharing of RES among multiple users. , 2014, , .		0
265	Intelligent voltage control in a DC micro-grid containing PV generation and energy storage. , 2014, , .		11
266	A Frequency-Domain Algorithm for Dynamic Synchrophasor and Frequency Estimation. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 2330-2340.	2.4	105
267	Primary Voltage Control in Active Distribution Networks via Broadcast Signals: The Case of Distributed Storage. IEEE Transactions on Smart Grid, 2014, 5, 2314-2325.	6.2	41
268	Construction of a microgrid communication network. , 2014, , .		12
269	PSO based placement of multiple wind DGs and capacitors utilizing probabilistic load flow model. Swarm and Evolutionary Computation, 2014, 19, 15-24.	4.5	51
270	A Review of Agent and Service-Oriented Concepts Applied to Intelligent Energy Systems. IEEE Transactions on Industrial Informatics, 2014, 10, 1890-1903.	7.2	137
271	Distributed energy storage in Australia: Quantifying potential benefits, exposing institutional challenges. Energy Research and Social Science, 2014, 3, 16-29.	3.0	46

#	Article	IF	CITATIONS
272	Novel approach for calculation and analysis of eigenvalues and eigenvectors in microgrids. , 2014, , .		2
273	Benefits and challenges of electrical demand response: A critical review. Renewable and Sustainable Energy Reviews, 2014, 39, 686-699.	8.2	429
274	Planning of grid integrated distributed generators: A review of technology, objectives and techniques. Renewable and Sustainable Energy Reviews, 2014, 40, 557-570.	8.2	189
275	Building sustainable energy systems: Homeostatic control of grid-connected microgrids, as a means to reconcile power supply and energy demand response management. Renewable and Sustainable Energy Reviews, 2014, 40, 1168-1191.	8.2	37
276	Realizing Unified Microgrid Voltage Profile and Loss Minimization: A Cooperative Distributed Optimization and Control Approach. IEEE Transactions on Smart Grid, 2014, 5, 1621-1630.	6.2	108
277	Plug-in electric vehicles in electric distribution networks: A review of smart charging approaches. Renewable and Sustainable Energy Reviews, 2014, 38, 717-731.	8.2	381
278	Optimal Allocation of Dispersed Energy Storage Systems in Active Distribution Networks for Energy Balance and Grid Support. IEEE Transactions on Power Systems, 2014, 29, 2300-2310.	4.6	336
279	Optimal synthesis of energy supply systems for remote open pit mines. Applied Thermal Engineering, 2014, 64, 315-330.	3.0	20
280	Carbon constrained design of energy infrastructure for new build schemes. Applied Energy, 2014, 113, 1220-1234.	5.1	24
281	A load flow method for weakly meshed distribution networks using powers as flow variables. International Journal of Electrical Power and Energy Systems, 2014, 58, 291-299.	3.3	25
282	AlpStore Project: A Viable Model for Renewables Exploitation in the Alps. Energy Procedia, 2014, 46, 3-12.	1.8	5
284	Trends in Microgrid Control. IEEE Transactions on Smart Grid, 2014, 5, 1905-1919.	6.2	2,316
285	Performance parameters of a standalone PV plant. Energy Conversion and Management, 2014, 86, 490-495.	4.4	41
286	GIS-Based Planning and Modeling for Renewable Energy: Challenges and Future Research Avenues. ISPRS International Journal of Geo-Information, 2014, 3, 662-692.	1.4	104
287	Small-Scale Renewable Energy Systems in the Development of Distributed Generation in Poland. Moravian Geographical Reports, 2014, 22, 34-43.	0.7	12
288	Optimal integration of photo voltaic sources in unbalanced distribution system using Reinforcement Learning. , 2015, , .		1
289	Impact of Different Load Profile Patterns on Intermittent Renewable Energy Systems for an Off Grid Power System. International Journal of Engineering Research in Africa, 0, 17, 82-93.	0.7	1
290	Impact of high penetration of Photovoltaic Generation on voltage fluctuation of transmission and distribution systems. , 2015, , .		8

#	Article	IF	CITATIONS
291	Solution of probabilistic load flow in power system based on non-intrusive arbitrary polynomial chaos theory. , 2015, , .		1
292	Review of methods for optimal sizing and siting of Distributed Generation. , 2015, , .		4
293	PI control method based storage to control the microgrid in a state separated from the main network. , 2015, , .		2
294	Economics of distributed flexibilities for the grid considering local short-term uncertainties. , 2015, , .		0
295	Impact of Distributed Generation on power distribution system: Over-current protection by phase angle estimation. , 2015 , , .		4
296	Allowable capacity of ACDG considering inverse time overcurrent protection. International Transactions on Electrical Energy Systems, 2015, 25, 2865-2876.	1.2	1
298	Multiobjective optimization and decision-making for DG planning considering benefits between distribution company and DGs owner. International Journal of Electrical Power and Energy Systems, 2015, 73, 465-474.	3.3	26
299	Integrating distributed generation: Regulation and trends in three leading countries. Energy Policy, 2015, 85, 475-486.	4.2	60
300	Analyzing the Impacts of Distributed Generation Integration on Distribution Network: A Corridor Towards Smart Grid Implementation in Pakistan. Wireless Personal Communications, 2015, 85, 545-563.	1.8	8
301	EMTP-type program realization of Krylov subspace based model reduction methods for large-scale active distribution network. CSEE Journal of Power and Energy Systems, 2015, 1, 52-60.	1.7	8
302	Effect of shunt capacitors on power systems containing renewable energy resources., 2015,,.		0
303	Optimal voltage regulation for unbalanced distribution networks considering distributed energy resources., 2015,,.		8
304	Integration of droop control functions for distributed generation in power flow simulations. , 2015, , .		5
305	Methodology for the optimal siting and sizing of storage systems in distribution networks. , 2015, , .		3
306	Conceptual framework and simulation platform for reliable distribution grid monitoring and control with market interaction. , $2015, \dots$		2
307	Performance analysis of resistive and flux-lock type SFCL in electricity networks with DGs., 2015,,.		5
308	Dynamic power demand allocation and battery energy compensation control of a mobile microgrid system., 2015,,.		1
309	Control strategies and real time operation of storage systems integrated with MV photovoltaic plants., 2015,,.		21

#	Article	IF	Citations
310	Voltage stability assessment of distribution systems with fixed speed wind generating systems. , 2015, , .		2
311	Grid-mode controller design for a dual-mode inverter interface for a distributed generation source. , 2015, , .		0
312	Evaluation of the charging effects of electric vehicles on power systems, taking into account optimal charging scenarios. , 2015 , , .		1
313	Analyzing the integration of Distributed Generation into smart grids. , 2015, , .		3
314	Hosting capacity of distribution networks: Evaluation of the network congestion risk due to distributed generation. , $2015, , .$		20
315	Analytical approach to identify optimal position and exchange profile of storage systems in distribution networks. , 2015, , .		0
316	Analyzing the impacts of Distributed Generation on power losses and voltage profile. , 2015, , .		15
317	A new approach for optimal allocation of multiple SFCLs in a power system with distributed generation. , $2015, \ldots$		5
318	DG investment planning analysis with renewable integration and considering emission costs. , 2015, , .		2
319	Smart Grid on field application in the Italian framework: The A.S.SE.M. project. Electric Power Systems Research, 2015, 120, 56-69.	2.1	20
320	A multi-agent system providing demand response services from residential consumers. Electric Power Systems Research, 2015, 120, 163-176.	2.1	57
321	Optimal Stochastic Tracking for Primary Frequency Control in an Interactive Smart Grid Infrastructure. IEEE Systems Journal, 2015, 9, 978-988.	2.9	7
322	Energy storage for PV power plant dispatching. Renewable Energy, 2015, 80, 61-72.	4.3	51
323	Integration of Distributed Generation in the Volt/VAR Management System for Active Distribution Networks. IEEE Transactions on Smart Grid, 2015, 6, 576-586.	6.2	90
324	Mitigating the volatility of renewable distributed generators with plug-in electric vehicles in optimal operation of active distribution networks. Journal of Renewable and Sustainable Energy, 2015, 7, 023102.	0.8	0
325	Quantitative tools for cultivating symbiosis in industrial parks; a literature review. Applied Energy, 2015, 155, 599-612.	5.1	89
326	Influence of extreme weather and climate change on the resilience of power systems: Impacts and possible mitigation strategies. Electric Power Systems Research, 2015, 127, 259-270.	2.1	499
327	An Optimal and Distributed Control Strategy for Charging Plug-in Electrical Vehicles in the Future Smart Grid. Power Systems, 2015, , 79-106.	0.3	0

#	Article	IF	CITATIONS
328	An Evaluation of Customer-Optimized Distributed Generation in New England Utility and Real-Time Markets. Electricity Journal, 2015, 28, 70-85.	1.3	4
329	The effects of photovoltaic electricity injection into microgrids: Combination of Geographical Information Systems, multicriteria decision methods and electronic control modeling. Energy Conversion and Management, 2015, 96, 89-99.	4.4	6
330	Comparison of single- and multiple-distributed generation concepts in terms of power loss, voltage profile, and line flows under uncertain scenarios. Renewable and Sustainable Energy Reviews, 2015, 48, 317-327.	8.2	25
332	Model order reduction for transient simulation of active distribution networks. IET Generation, Transmission and Distribution, 2015, 9, 457-467.	1.4	20
333	Optimal design of bilateral contracts for energy procurement. European Journal of Operational Research, 2015, 246, 641-650.	3.5	13
334	Distributed Generation Allocation on Radial Distribution Networks Under Uncertainties of Load and Generation Using Genetic Algorithm. IEEE Transactions on Sustainable Energy, 2015, 6, 688-697.	5.9	192
335	Multiâ€objective planning tool for the installation of renewable energy resources. IET Generation, Transmission and Distribution, 2015, 9, 1782-1789.	1.4	3
336	Impact assessment of distributed generation on the power quality and reliability of distribution grid. , 2015, , .		5
337	Active participation of wind power in operating reserves. IET Renewable Power Generation, 2015, 9, 566-575.	1.7	18
338	A design of grid-connected PV system for real-time transient simulation based on FPGA. , 2015, , .		4
339	A low cost open source-based IEC $61850/61499$ automation platform for distributed energy resources., $2015, , .$		4
340	Distributed cooperative control of battery energy storage system in AC microgrid applications. Journal of Energy Storage, 2015, 3, 43-51.	3.9	27
341	Sustainability impact assessment for local energy supplies' development – The case of the alpine area of Lake Como, Italy. Biomass and Bioenergy, 2015, 83, 60-76.	2.9	24
342	Virtual power plants: Definition, applications and barriers to the implementation in the distribution system. , $2015, \ldots$		28
343	Fault Current Study of Inverter Interfaced Distributed Generators. Distributed Generation and Alternative Energy Journal, 2015, 30, 6-26.	1.1	9
344	Multi-Agent System Design Principles for Resilient Coordination & Control of Future Power Systems. Intelligent Industrial Systems, 2015, 1, 255-269.	1.0	31
345	A generalised three phase power flow algorithm incorporating the uncertainty of Photo Voltaic(PV) source for unbalanced distribution network. , 2015, , .		3
347	Electricity distribution tariffs and distributed generation: Quantifying cross-subsidies from consumers to prosumers. Utilities Policy, 2015, 37, 23-33.	2.1	86

#	Article	IF	CITATIONS
348	A Three Phase Power Flow Algorithm for Distribution Network Incorporating the Impact of Distributed Generation Models. Procedia Technology, 2015, 21, 326-331.	1.1	17
349	Comparative Study of Advanced Signal Processing Techniques for Islanding Detection in a Hybrid Distributed Generation System. IEEE Transactions on Sustainable Energy, 2015, 6, 122-131.	5.9	139
350	Assessment of a New Constraint Satisfaction-Based Hybrid Distributed Control Technique for Power Flow Management in Distribution Networks with Generation and Demand Response. IEEE Transactions on Smart Grid, 2015, 6, 271-278.	6.2	26
351	Storage applications for Smartgrids. Electric Power Systems Research, 2015, 120, 109-117.	2.1	39
352	Local steady-state and quasi steady-state impact studies of high photovoltaic generation penetration in power distribution circuits. Renewable and Sustainable Energy Reviews, 2015, 43, 569-583.	8.2	17
353	Multi-Agent System for Distributed Management of Microgrids. IEEE Transactions on Power Systems, 2015, 30, 24-34.	4.6	177
354	ATC-Based System Reduction for Planning Power Systems With Correlated Wind and Loads. IEEE Transactions on Power Systems, 2015, 30, 429-438.	4.6	27
355	On the Stability of Local Voltage Control in Distribution Networks With a High Penetration of Inverter-Based Generation. IEEE Transactions on Industrial Electronics, 2015, 62, 2519-2529.	5.2	77
356	Reactive power and voltage control in grid-connected wind farms: an online optimization based fast model predictive control approach. Electrical Engineering, 2015, 97, 35-44.	1.2	15
357	Monte Carlo simulation-based probabilistic assessment of DG penetration in medium voltage distribution networks. International Journal of Electrical Power and Energy Systems, 2015, 64, 852-860.	3.3	102
358	Control Methods and Objectives for Electronically Coupled Distributed Energy Resources in Microgrids: A Review. IEEE Systems Journal, 2016, 10, 446-458.	2.9	143
359	Reliability and economic implications of collaborative distributed resources. , 2016, , .		0
360	Flexible power control of photovoltaic plants connected to distribution networks., 2016,,.		1
361	Control of Polymer Phase Separation by Roughness Transfer Printing for 2D Microlens Arrays. Small, 2016, 12, 3788-3793.	5.2	9
362	Design and implementation of communication architecture in a distributed energy resource system using IEC 61850 standard. International Journal of Energy Research, 2016, 40, 692-701.	2.2	8
363	Analytical approach to estimate distribution circuit's energy storage accommodation capacity. , 2016 , , .		2
364	An Attack-Resilient Middleware Architecture for Grid Integration of Distributed Energy Resources. , 2016, , .		3
365	Agent-based analysis of dynamic access ranges to the distribution network. , 2016, , .		5

#	Article	IF	CITATIONS
366	Ancillary services by DG and storage systems in distribution networks for energy market participation. , $2016, , .$		6
368	Loss reduction of Rajasthan power system with Distributed Generation in transmission network. , 2016, , .		2
369	Stability analysis of grid connected PV array under maximum power point tracking. , 2016, , .		4
370	Energy core-ness based analysis of hybrid distributed energy systems using convoluted perturbations. , 2016, , .		2
371	Energy management in microgrids with flexible and interruptible loads. , $2016, \ldots$		5
372	Power quality control in grid-interactive micro-power systems. , 2016, , .		7
373	Local energy markets: Concept, design and operation. , 2016, , .		38
374	Primary Voltage Control in Active Distribution Networks via Broadcast Signals: The Case of Distributed Storage. , 2016, , .		2
375	A supply restoration method of distribution system based on Soft Open Point. , 2016, , .		24
376	Case studies on optimal location and sizing of renewable energy generators in distribution system. Journal of Renewable and Sustainable Energy, $2016, 8, .$	0.8	8
377	A new dynamic and stochastic distributed generation investment planning model with recourse. , 2016, , .		2
378	A hybrid optimization algorithm for distribution network coordinated operation with SNOP based on simulated annealing and conic programming. , $2016, , .$		4
379	Performance analysis of the current summation law in wind generation., 2016,,.		1
380	Optimal reactive power management for transmission connected distribution grid with wind farms. , 2016, , .		7
381	Analysis of Stability of Tension and Losses of Electric Power in Distribution Networks with Distributed Generation. IEEE Latin America Transactions, 2016, 14, 4491-4498.	1.2	21
382	Dynamic line rating for wind power. Journal of Renewable and Sustainable Energy, 2016, 8, 013114.	0.8	4
383	Voltage regulation in distribution networks with distributed generation — A review. , 2016, , .		3
384	Optimal installation of multiple DG units using competitive swarm optimizer (CSO) algorithm. , 2016, , .		12

#	Article	IF	CITATIONS
385	Distributed Storage for the Provision of Ancillary Services to the Main Grid: Project PRESTO. Energy Procedia, 2016, 99, 182-193.	1.8	9
386	Performance response tests on a multivariable fuzzy rule-based relay for short circuits in AC micro-grids., 2016,,.		0
387	Design of a SOFC/GT/SCs hybrid power system to supply a rural isolated microgrid. Energy Conversion and Management, 2016, 117, 12-20.	4.4	26
388	Battery energy storage system for primary control reserve and energy arbitrage. Sustainable Energy, Grids and Networks, 2016, 6, 152-165.	2.3	111
389	A Chance-constrained Optimization Model for Determining Renewables Penetration Limit in Power Systems. Electric Power Components and Systems, 2016, 44, 701-712.	1.0	6
390	Impacts of fixed speed wind generators on static voltage stability of distribution systems. , 2016, , .		2
391	Product–Service System applied to Distributed Renewable Energy: A classification system, 15 archetypal models and a strategic design tool. Energy for Sustainable Development, 2016, 32, 71-98.	2.0	50
392	Probabilistic congestion management using EVs in a smart grid with intermittent renewable generation. Electric Power Systems Research, 2016, 137, 155-162.	2.1	34
393	Effect of load profile uncertainty on the optimum sizing of off-grid PV systems for rural electrification. Sustainable Energy Technologies and Assessments, 2016, 18, 34-47.	1.7	67
394	Outage response in microgrids using demand side management. , 2016, , .		2
395	Irradiance prediction intervals for PV stochastic generation in microgrid applications. Solar Energy, 2016, 139, 116-129.	2.9	41
396	Distribution system expansion planning incorporating storage units in the presence of wind-based distributed generation., 2016,,.		2
397	Simulation and economic evaluation of biomass gasification with sets for heating, cooling and power production. Renewable Energy, 2016, 99, 360-368.	4.3	21
398	Performance Evaluation of Harmonic Current Summation Law Applying to the Wind and Photovoltaic Generation. IEEE Latin America Transactions, 2016, 14, 2291-2297.	1.2	4
399	Stability Analysis of Grid-Interfacing Inverter Control in Distribution Systems With Multiple Photovoltaic-Based Distributed Generators. IEEE Transactions on Industrial Electronics, 2016, 63, 7339-7348.	5.2	45
400	Predictive voltage control of batteries and tap changers in distribution system with photovoltaics., $2016,$		6
401	Hardware-in-the-Loop validation of the Grid Explicit Congestion Notification mechanism for primary voltage control in Active Distribution Networks. , 2016, , .		4
402	A composite sensitivity factor based method for networked distributed generation planning. , 2016, , .		6

#	Article	IF	CITATIONS
403	Transient voltage and frequency stability of an isolated microgrid based on energy storage systems. , 2016, , .		16
404	Review of control strategies for voltage regulation of the smart distribution network with high penetration of renewable distributed generation. Renewable and Sustainable Energy Reviews, 2016, 64, 582-595.	8.2	273
405	Integrating multi-domain distributed energy systems with electric vehicle PQ flexibility: Optimal design and operation scheduling for sustainable low-voltage distribution grids. Sustainable Energy, Grids and Networks, 2016, 8, 51-61.	2.3	12
406	Voltage management challenges in feeders with high penetration of distributed generation. , 2016, , .		3
407	Matrix converter topology for distributed energy applications. , 2016, , .		0
408	Optimal storage operation in EV charging stations delivering grid services. , 2016, , .		6
409	Research and application on operation and control technologies of smart distribution network. , 2016, , .		1
410	Optimal placement and capacity of distributed generators in medium voltage generic UK network. , 2016, , .		2
411	Review on solar and wind power potential in India., 2016,,.		4
412	Self-Sufficiency in an MCHP System Based on Local Demand and Supply Analysis. , 2016, , .		0
413	Borehole active recharge benefit quantification on a community level low carbon heating system. , 2016, , .		3
414	Progress in preliminary studies at Ottana Solar Facility. AIP Conference Proceedings, 2016, , .	0.3	1
415	Rigorous analyses of a power distribution system with distribution transformer banks serving unbalanced loads and wind turbine generator systems. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2016, 29, 998-1014.	1.2	5
416	An overview of microgrid protection methods and the factors involved. Renewable and Sustainable Energy Reviews, 2016, 64, 174-186.	8.2	146
417	Online voltage estimation and control for smart distribution networks. Journal of Modern Power Systems and Clean Energy, 2016, 4, 40-46.	3. 3	20
418	Phase-wise enhanced voltage support from electric vehicles in a Danish low-voltage distribution grid. Electric Power Systems Research, 2016, 140, 274-283.	2.1	48
419	Special Protection Scheme at BTPS Power Station. Journal of the Institution of Engineers (India): Series B, 2016, 97, 97-107.	1.3	1
420	Active Management of Low-Voltage Networks for Mitigating Overvoltages Due to Photovoltaic Units. IEEE Transactions on Smart Grid, 2016, 7, 926-936.	6.2	240

#	Article	IF	CITATIONS
421	A methodology exploiting geographical information systems to site a photovoltaic park inside a sustainable community. International Journal of Sustainable Energy, 2016, 35, 132-147.	1.3	3
422	From the grid to the smart grid, topologically. Physica A: Statistical Mechanics and Its Applications, 2016, 449, 160-175.	1.2	40
423	Real-time management solutions for a smart polygeneration microgrid. Energy Conversion and Management, 2016, 112, 11-20.	4.4	26
424	Probabilistic load flow for distribution systems with uncertain PV generation. Applied Energy, 2016, 163, 343-351.	5.1	100
425	Design of Robust Distributed Control for Interconnected Microgrids. IEEE Transactions on Smart Grid, 2016, 7, 2724-2735.	6.2	102
426	Advanced Energy Storage Management in Distribution Network. , 2016, , .		3
427	A hybrid CSP–CPV system for improving the dispatchability of solar power plants. Energy Conversion and Management, 2016, 114, 312-323.	4.4	64
428	Coordinated Microgrid Frequency Regulation Based on DFIG Variable Coefficient Using Virtual Inertia and Primary Frequency Control. IEEE Transactions on Energy Conversion, 2016, 31, 833-845.	3.7	162
429	DSIMA: A testbed for the quantitative analysis of interaction models within distribution networks. Sustainable Energy, Grids and Networks, 2016, 5, 78-93.	2.3	7
430	Arbitrage strategy of virtual power plants in energy, spinning reserve and reactive power markets. IET Generation, Transmission and Distribution, 2016, 10, 750-763.	1.4	76
431	Gossip Algorithms for Decentralized Congestion Management of Distribution Grids. IEEE Transactions on Sustainable Energy, 2016, 7, 1071-1080.	5.9	24
432	Off-grid systems for rural electrification in developing countries: Definitions, classification and a comprehensive literature review. Renewable and Sustainable Energy Reviews, 2016, 58, 1621-1646.	8.2	294
433	Renewable distributed generation: The hidden challenges – A review from the protection perspective. Renewable and Sustainable Energy Reviews, 2016, 58, 1457-1465.	8.2	182
434	Need of ICT for Sustainable Development of Power Sector. Advances in Intelligent Systems and Computing, 2016, , 607-614.	0.5	4
435	Load frequency control of an autonomous hybrid power system by quasi-oppositional harmony search algorithm. International Journal of Electrical Power and Energy Systems, 2016, 78, 715-734.	3.3	125
436	Optimal sizing and siting techniques for distributed generation in distribution systems: A review. Renewable and Sustainable Energy Reviews, 2016, 57, 111-130.	8.2	239
437	Socio-technical evolution of Decentralized Energy Systems: A critical review and implications for urban planning and policy. Renewable and Sustainable Energy Reviews, 2016, 57, 1025-1037.	8.2	181
438	Value and granularity of ICT and smart meter data in demand response systems. Energy Economics, 2016, 54, 1-10.	5.6	37

#	Article	IF	CITATIONS
439	Allocation of distributed generation units in electric power systems: A review. Renewable and Sustainable Energy Reviews, 2016, 56, 893-905.	8.2	173
440	Optimal allocation and sizing of DG units considering voltage stability, losses and load variations. International Journal of Electrical Power and Energy Systems, 2016, 79, 42-52.	3.3	139
441	Real-Time Monitoring of Points of Common Coupling in Distribution Systems Through State Estimation and Geometric Tests. IEEE Transactions on Smart Grid, 2016, 7, 9-18.	6.2	12
442	Energy crisis, greenhouse gas emissions and sectoral growth reforms: repairing the fabricated mosaic. Journal of Cleaner Production, 2016, 112, 3657-3666.	4.6	118
443	Probabilistic available transfer capability calculation considering static security constraints and uncertainties of electricity–gas integrated energy systems. Applied Energy, 2016, 167, 305-316.	5.1	52
444	An improved hybrid load flow calculation algorithm for weakly-meshed power distribution system. International Journal of Electrical Power and Energy Systems, 2016, 74, 437-445.	3.3	22
445	Research experimental platforms to study microgrids issues. International Journal on Interactive Design and Manufacturing, 2016, 10, 59-71.	1.3	7
446	A Single-Sensor-Based MPPT Controller for Wind-Driven Induction Generators Supplying DC Microgrid. IEEE Transactions on Power Electronics, 2016, 31, 1161-1172.	5.4	115
447	Contribution of Distribution Network Control to Voltage Stability: A Case Study. IEEE Transactions on Smart Grid, 2017, 8, 106-116.	6.2	81
448	A Cooperative Operation of Novel PV Inverter Control Scheme and Storage Energy Management System Based on ANFIS for Voltage Regulation of Grid-Tied PV System. IEEE Transactions on Industrial Informatics, 2017, 13, 2657-2668.	7.2	95
449	Power Quality Improvement of Single Phase Grid Connected Photovoltaic System. International Journal of Emerging Electric Power Systems, 2017, 18, .	0.6	8
450	Advanced voltage control for smart microgrids using distributed energy resources. Electric Power Systems Research, 2017, 146, 132-140.	2.1	30
451	Short-term photovoltaic power forecasting using Artificial Neural Networks and an Analog Ensemble. Renewable Energy, 2017, 108, 274-286.	4.3	198
452	Optimal investment strategies for distributed generation in distribution networks with real option analysis. IET Generation, Transmission and Distribution, 2017, 11, 804-813.	1.4	28
453	Modelling and analysis of grid integration for high shares of solar PV in small isolated systems – A case of Kiribati. Renewable Energy, 2017, 108, 589-597.	4.3	18
454	Assessing the impact of incentive regulation on distribution network investment considering distributed generation integration. International Journal of Electrical Power and Energy Systems, 2017, 89, 126-135.	3.3	9
455	Integration of smart grid mechanisms on microgrids energy modelling. Energy, 2017, 129, 321-330.	4.5	17
456	Consumer preferences for electricity tariffs: Does proximity matter?. Energy Policy, 2017, 107, 413-424.	4.2	50

#	Article	IF	Citations
457	A meta-heuristic firefly algorithm based smart control strategy and analysis of a grid connected hybrid photovoltaic/wind distributed generation system. Solar Energy, 2017, 150, 265-274.	2.9	48
458	Distributed generation allocation with on-load tap changer on radial distribution networks using adaptive genetic algorithm. Applied Soft Computing Journal, 2017, 59, 45-67.	4.1	41
459	Review of optimization techniques applied for the integration of distributed generation from renewable energy sources. Renewable Energy, 2017, 113, 266-280.	4.3	364
460	Interfacing applications for uncertainty reduction in smart energy systems utilizing distributed intelligence. Renewable and Sustainable Energy Reviews, 2017, 80, 1312-1320.	8.2	8
461	Overcoming the barriers that hamper a large-scale integration of solar photovoltaic power generation in European distribution grids. Solar Energy, 2017, 153, 574-583.	2.9	33
462	Improvement of Stability in Solar Energy Based Power System Using Hybrid PSO-GS Based Optimal SVC Damping Controller. Energy Procedia, 2017, 109, 130-137.	1.8	8
463	Coordinated Control Method of Voltage and Reactive Power for Active Distribution Networks Based on Soft Open Point. IEEE Transactions on Sustainable Energy, 2017, 8, 1430-1442.	5.9	250
464	Comparison and analysis of operational modes of a wind generator on distribution network. , 2017, , .		0
465	Recuperators for micro gas turbines: A review. Applied Energy, 2017, 197, 83-99.	5.1	115
466	Large-scale integration of distributed generation into distribution networks: Study objectives, review of models and computational tools. Renewable and Sustainable Energy Reviews, 2017, 76, 974-988.	8.2	75
467	Combined bioheat and biopower: A technology review and an assessment for Turkey. Renewable and Sustainable Energy Reviews, 2017, 73, 1313-1332.	8.2	19
468	Online Reconfiguration of Active Distribution Networks for Maximum Integration of Distributed Generation. IEEE Transactions on Automation Science and Engineering, 2017, 14, 437-448.	3.4	100
469	Coordinated transmission substations and sub-transmission networks expansion planning incorporating distributed generation. Energy, 2017, 120, 996-1011.	4.5	19
470	Optimal siting and sizing of soft open points in active electrical distribution networks. Applied Energy, 2017, 189, 301-309.	5.1	142
471	Multi-stakeholder microgrids for resilience and sustainability. Environmental Hazards, 2017, 16, 116-132.	1.4	6
472	An optimized energy system planning and operation on distribution grid levelâ€"The Decentralized Market Agent as a novel approach. Sustainable Energy, Grids and Networks, 2017, 12, 40-56.	2.3	21
473	Decentralized controller design for microgrids in islanded and grid-connected modes. , 2017, , .		7
475	Suppressing power output fluctuations of photovoltaic power plants. Solar Energy, 2017, 157, 735-743.	2.9	25

#	Article	IF	Citations
476	Evolution of consumer information preferences with market maturity in solar PV adoption. Environmental Research Letters, 2017, 12, 074011.	2.2	31
477	Impact of different DG location on chargeability and voltage level of distribution networks. , 2017, , .		2
478	Study on day-ahead optimal economic operation of active distribution networks based on Kriging model assisted particle swarm optimization with constraint handling techniques. Applied Energy, 2017, 204, 143-162.	5.1	32
479	Distributed economic dispatch considering transmission losses. , 2017, , .		1
480	Analysis of storage and microgeneration impacts on LV network losses. , 2017, , .		0
481	Assessment of the hosting capacity in distribution networks with different DG location. , 2017, , .		9
482	Benefits of PV inverter volt-var control on distribution network operation., 2017,,.		15
483	Analysis of disturbances transmission in microgrids. , 2017, , .		O
484	A multi-temporal optimal power flow for managing storage and demand flexibility in LV networks. , 2017, , .		5
485	Enhancing the provision of ancillary services from storage systems using smart transformer and smart meters., 2017,,.		3
486	A distributed middleware architecture for attack-resilient communications in smart grids., 2017,,.		4
487	A novel deterministic and probabilistic dynamic security assessment approach for isolated microgrids. , 2017, , .		1
488	Power management, intelligent control and protection in micro-grids - a review. , 2017, , .		0
489	Unintended consequences of Northern Ireland's renewable obligation policy. Electricity Journal, 2017, 30, 47-54.	1.3	20
490	A review of AC microgrid control methods. , 2017, , .		33
491	Designing a power control strategy in a microgrid using PID / fuzzy controller based on battery energy storage. , 2017, , .		20
492	Load variations impact on optimal DG placement problem concerning energy loss reduction. Electric Power Systems Research, 2017, 152, 36-47.	2.1	29
493	Increasing Distributed Generation Penetration Using Network Reconfiguration and Soft Open Points. Energy Procedia, 2017, 105, 2169-2174.	1.8	20

#	Article	IF	CITATIONS
494	Hybrid approach for planning and operating active distribution grids. IET Generation, Transmission and Distribution, 2017, 11, 685-695.	1.4	37
495	Risk based multiâ€objective dynamic expansion planning of subâ€transmission network in order to have ecoâ€reliability, environmental friendly network with higher power quality. IET Generation, Transmission and Distribution, 2017, 11, 261-271.	1.4	17
496	Operation and planning of distribution networks with integration of renewable distributed generators considering uncertainties: A review. Renewable and Sustainable Energy Reviews, 2017, 72, 1177-1198.	8.2	149
497	Threeâ€phase softâ€switchingâ€based interleaved boost converter with high reliability. IET Power Electronics, 2017, 10, 377-386.	1.5	35
498	Impacts of Operational Variability and Uncertainty on Distributed Generation Investment Planning: A Comprehensive Sensitivity Analysis. IEEE Transactions on Sustainable Energy, 2017, 8, 855-869.	5.9	31
499	Active network management for electrical distribution systems: problem formulation, benchmark, and approximate solution. Optimization and Engineering, 2017, 18, 587-629.	1.3	14
500	Preventing transmission distance relays maloperation under unintended bulk DG tripping using SVM-based approach. Electric Power Systems Research, 2017, 142, 258-267.	2.1	19
501	Novel Multi-Stage Stochastic DG Investment Planning with Recourse. IEEE Transactions on Sustainable Energy, 2017, 8, 164-178.	5.9	60
502	Influence of phasor adjustment of harmonic sources on the allowable penetration level of distributed generation. International Journal of Electrical Power and Energy Systems, 2017, 87, 1-15.	3.3	10
503	Local voltage control strategy of active distribution network with PV reactive power optimization. , 2017, , .		18
504	Analyzing the influence of climate change in Brazilian electricity markets. , 2017, , .		1
505	Optimized PID controller based voltage oriented control of the 7-level diode clamped inverter for distributed generation system. , 2017, , .		1
506	PV Penetration Limits in Low Voltage Networks and Voltage Variations. IEEE Access, 2017, 5, 16784-16792.	2.6	154
507	Modern control techniques of AC microgrid. , 2017, , .		7
508	Impact of reverse power flow on the optimal distributed generation placement problem. IET Generation, Transmission and Distribution, 2017, 11, 4626-4632.	1.4	36
509	Analysis of large scale PV penetration impact on IEEE 39-Bus power system. , 2017, , .		16
510	Dynamic grid voltage support from distributed energy resources during short-circuits. , 2017, , .		3
511	Comparing accuracy and runtime of simulation to the measurements in a real grid for the control of a grid-connected PV inverter. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
512	Application of PV Inverter on distribution system with high penetration of PV. Journal of International Council on Electrical Engineering, 2017, 7, 263-268.	0.4	10
513	A Strengthened SOCP-based Approach for Evaluating the Distributed Generation Hosting Capacity with Soft Open Points. Energy Procedia, 2017, 142, 1947-1952.	1.8	14
514	Demonstration of voltage control in a real distribution system using model predictive control. IET Generation, Transmission and Distribution, 2017, 11, 3922-3929.	1.4	6
515	Experimental Analysis of Cost Optimization for Electrical Floor Heating Systems in Volatile Energy Markets. , 2017, , .		0
516	Active distribution network planning based on a hybrid genetic algorithm-nonlinear programming method. CIRED - Open Access Proceedings Journal, 2017, 2017, 2065-2068.	0.1	3
517	Hybrid framework of management systems supporting cluster-oriented smart grid operations., 2017,,.		4
518	Towards attack-resilient communications for smart grids with software-defined networking. , 2017, , .		2
519	Analysis method of feeder partition capacity considering power supply security and distributed generation. Journal of Engineering, 2017, 2017, 2466-2470.	0.6	0
520	Data management and visualization for cluster-based grid operations. , 2017, , .		0
521	Analysis of lithium-ion cells performance, through novel test protocol for stationary applications. , 2017, , .		5
522	A novel deterministic and probabilistic dynamic security assessment approach for isolated microgrids. , 2017, , .		1
523	Short-term state forecasting-based optimal voltage regulation in distribution systems. , 2017, , .		6
524	Long term impacts of RES-E promotion in the Brazilian power system. , 2017, , .		2
525	Storage system control for fault protections of single phase loads in inverter-dominated grids. , 2017, , .		0
526	Fair control of distributed PV plants in low voltage grids. , 2017, , .		2
527	Applying demand side management using a generalised three phase grid supportive approach. , 2017, , .		4
528	Transient processes in small scale autonomous photovoltaic and wind power systems., 2017,,.		5
529	Effects analysis of distributed generation to receiving-end power grid. , 2017, , .		2

#	Article	IF	Citations
530	Irradiance forecasting for microgrid energy management. , 2017, , .		3
531	Optimal generators placement techniques in distribution networks: A review. , 2017, , .		9
532	An energy internet-based distribution system morphology. IOP Conference Series: Materials Science and Engineering, 2017, 211, 012029.	0.3	0
533	Research on DG Capacity Selection Based on Power Flow Calculation. IOP Conference Series: Materials Science and Engineering, 2017, 199, 012014.	0.3	0
534	A Framework for Stacked-Benefit Analysis of Distribution-Level Energy Storage Deployment. Inventions, 2017, 2, 6.	1.3	3
535	Impacts of Voltage Control Methods on Distribution Circuit's Photovoltaic (PV) Integration Limits. Inventions, 2017, 2, 28.	1.3	14
536	The Most Economical Mode of Power Supply for Remote and Less Developed Areas in China: Power Grid Extension or Micro-Grid?. Sustainability, 2017, 9, 910.	1.6	19
537	Optimum Sizing and Siting of Renewable-Energy-based DG Units in Distribution Systems., 2017,, 233-277.		8
538	Overview of Current Microgrid Policies, Incentives and Barriers in the European Union, United States and China. Sustainability, 2017, 9, 1146.	1.6	98
539	Case Study on the Socio-Economic Benefit of Allowing Active Power Curtailment to Postpone Grid Upgrades. Energies, 2017, 10, 632.	1.6	3
540	Hosting Capacity of the Power Grid for Renewable Electricity Production and New Large Consumption Equipment. Energies, 2017, 10, 1325.	1.6	108
541	Battery Storage Systems as Grid-Balancing Measure in Low-Voltage Distribution Grids with Distributed Generation. Energies, 2017, 10, 2161.	1.6	29
542	Decentralisation of power flow solution for facilitating active network management. CIRED - Open Access Proceedings Journal, 2017, 2017, 1669-1672.	0.1	4
543	Robust operation strategy of soft open point for active distribution network with uncertainties. , 2017, , .		6
544	Benefits of distributed power generation for voltage support in GB transmission system: Case study on the south-east region., 2017 ,,.		2
545	Design of a residential microgrid in Lagos del Cacique, Bucaramanga, Colombia. Journal of Physics: Conference Series, 2017, 935, 012063.	0.3	0
546	Assessment of Credible Capacity for Intermittent Distributed Energy Resources in Active Distribution Network. Energies, 2017, 10, 1104.	1.6	2
547	Prediction in Photovoltaic Power by Neural Networks. Energies, 2017, 10, 1003.	1.6	49

#	Article	IF	CITATIONS
548	Distribution Generation Optimization and Energy Management., 2017,, 415-451.		5
549	Optimal reactive power control based on distributed gradient algorithm for distribution network., 2017,,.		0
550	Concurrent Voltage Control and Dispatch of Active Distribution Networks by Means of Smart Transformer and Storage. IEEE Transactions on Industrial Electronics, 2018, 65, 6657-6666.	5.2	46
551	Optimal Distributed Generation Placement with Multiple Objectives Considering Probabilistic Load. Procedia Computer Science, 2018, 125, 382-388.	1.2	15
552	Reinforcement Learning Approach for Optimal Distributed Energy Management in a Microgrid. IEEE Transactions on Power Systems, 2018, 33, 5749-5758.	4.6	183
553	Mathematical Optimization of Unbalanced Networks with Smart Grid Devices. Power Systems, 2018, , 65-114.	0.3	3
554	A review of EVs charging: From the perspective of energy optimization, optimization approaches, and charging techniques. Transportation Research, Part D: Transport and Environment, 2018, 62, 386-417.	3.2	125
555	Electric Distribution Network Planning. Power Systems, 2018, , .	0.3	20
557	A novel bi-level optimization model for load supply capability issue in active distribution network. International Transactions on Electrical Energy Systems, 2018, 28, e2492.	1.2	0
558	Blackout risk mitigation by using medium size gas turbines. Energy, 2018, 148, 32-48.	4.5	2
559	Sliding mode voltage control of boost converters in DC microgrids. Control Engineering Practice, 2018, 73, 161-170.	3.2	75
560	Utilisation of alkaline electrolysers in existing distribution networks to increase the amount of integrated wind capacity. Journal of Energy Storage, 2018, 16, 8-20.	3.9	19
561	Co-production in distributed generation: renewable energy and creating space for fitting infrastructure within landscapes. Landscape Research, 2018, 43, 542-561.	0.7	83
562	Enhancing PV Penetration in LV Networks Using Reactive Power Control and On Load Tap Changer With Existing Transformers. IEEE Access, 2018, 6, 2683-2691.	2.6	63
563	A Comprehensive Assessment of the Short-Term Uncertainty of Grid-Connected PV Systems. IEEE Transactions on Sustainable Energy, 2018, 9, 1458-1467.	5.9	32
564	Optimal Single and Multiple DG Installations in Radial Distribution Network Using SLPSO Algorithm. Lecture Notes in Electrical Engineering, 2018, , 89-96.	0.3	4
565	Microgrids. Green Energy and Technology, 2018, , 57-86.	0.4	1
566	System-level power-to-gas energy storage for high penetrations of variable renewables. International Journal of Hydrogen Energy, 2018, 43, 1966-1979.	3.8	51

#	Article	IF	CITATIONS
567	Control of Renewable Energy Systems. Renewable Energy Sources & Energy Storage, 2018, , 207-231.	0.6	0
568	A two-step protection algorithm for smart distribution systems with DGs. International Transactions on Electrical Energy Systems, 2018, 28, e2506.	1.2	10
569	Identification of linearised RMSâ€voltage dip patterns based on clustering in renewable plants. IET Generation, Transmission and Distribution, 2018, 12, 1256-1262.	1.4	8
570	An empirical analysis of California's hybrid capacity options. Electricity Journal, 2018, 31, 7-12.	1.3	2
571	Voltage Control in Active Distribution Networks Under Uncertainty in the System Model: A Robust Optimization Approach. IEEE Transactions on Smart Grid, 2018, 9, 5631-5642.	6.2	50
572	Robust Coordination of Distributed Generation and Price-Based Demand Response in Microgrids. IEEE Transactions on Smart Grid, 2018, 9, 4236-4247.	6.2	177
573	Providing Limited Local Electric Service During a Major Grid Outage: A First Assessment Based on Customer Willingness to Pay. Risk Analysis, 2018, 38, 272-282.	1.5	16
574	Adaptive Sliding Mode Control of Standalone Single-Phase Microgrid Using Hydro, Wind, and Solar PV Array-Based Generation. IEEE Transactions on Smart Grid, 2018, 9, 6806-6814.	6.2	104
575	Economic optimization for configuration and sizing of micro integrated energy systems. Journal of Modern Power Systems and Clean Energy, 2018, 6, 330-341.	3.3	26
576	Reviewing homeostasis of sustainable energy systems: How reactive and predictive homeostasis can enable electric utilities to operate distributed generation as part of their power supply services. Renewable and Sustainable Energy Reviews, 2018, 81, 2879-2892.	8.2	19
577	Hybrid renewable energy-based distribution system for seasonal load variations. International Journal of Energy Research, 2018, 42, 1066-1087.	2.2	57
578	Comparative study of MPC based coordinated voltage control in LV distribution systems with photovoltaics and battery storage. International Journal of Electrical Power and Energy Systems, 2018, 95, 227-238.	3.3	18
579	Perspectives for Implementing Distributed Generation in Developing Countries through Modeling Techniques. ACS Sustainable Chemistry and Engineering, 2018, 6, 1022-1038.	3.2	10
580	Optimal Perturbation Tolerance in VSC-Connected Hybrid Networks Using an Expert System on Chip. IEEE Transactions on Power Electronics, 2018, 33, 5442-5451.	5.4	5
581	Discrete Time mode PSS Controller Techniques to Improve Stability of AC Microgrid. , 2018, , .		10
582	Dynamic Stability Impact of the Hybrid Wind and Microhydro Renewable Energy Sources on the Distribution System. , 2018, , .		6
583	Hybrid Optimization Technique for Optimal Placement of DG and D-STATCOM in Distribution Networks. , 2018, , .		29
584	Hosting Capacity Enhancement of Electrical Distribution Systems under Sinusoidal and Non-Sinusoidal Conditions. , 2018, , .		5

#	Article	IF	Citations
585	Effects of Distributed Generation on Power Losses in Unbalanced Low Voltage Networks. , 2018, , .		7
586	A Slack Optimal Control Method by Centralized/Decentralized Coordination in Distribution Network based on PCC voltage Optimization of Photovoltaic., 2018,,.		1
587	SwarmGrid: Demand-Side Management with Distributed Energy Resources Based on Multifrequency Agent Coordination. Energies, 2018, 11, 2476.	1.6	8
588	Analysis of the operation and power quality of a microgrid with photovoltaic sources. , 2018, , .		O
589	An approach to quantify the applicability of DG placement techniques using Fault Tree Analysis. , 2018, , .		1
590	Investigating Induced Overvoltage Transients in Microgrids and its Components. , 2018, , .		1
591	Time Synchronization Attack in Synchrophasors-based Dynamic Thermal Rating Assessment: Impact and Analysis. , $2018, , .$		1
592	Flexibility Services to Power Systems from Smart Rural Microgrid Prosumers. , 2018, , .		3
593	Control of Novel PV Inverter with ANFIS in Grid Tied PV System Under Unbalanced Grid Condition. , 2018, , .		1
594	Optimal Sizing and Siting of Soft Open Point for Improving the Three Phase Unbalance of the Distribution Network. , 2018, , .		4
595	A New Directional Relaying Scheme for the Protection of Active Distribution Networks Against Asymmetric Faults. , $2018, \ldots$		6
596	Modern Controller Techniques of Improve Stability of AC Microgrid. , 2018, , .		12
597	Variable Wind, Dynamic Load, Constant Voltage Wind Turbine Generation System., 2018,,.		1
598	Comprehensive review on the optimal integration of distributed generation in distribution systems. Journal of Renewable and Sustainable Energy, 2018, 10, .	0.8	15
599	Three-phase Grid Supportive Demand Side Management with Appliance Flexibility Modelling. , 2018, , .		4
600	Technology, Business Model, and Market Design Adaptation Toward Smart Electricity Distribution: Insights for Policy Making. SSRN Electronic Journal, 0, , .	0.4	1
601	Robust Active Distribution Network Planning considering Stochastic Renewable Distributed Generation., 2018,,.		0
602	Evolutionary capacity allocation tool to safe grid integration of renewable energy sources. , 2018, , .		3

#	Article	IF	CITATIONS
603	Spatiotemporal modelling for integrated spatial and energy planning. Energy, Sustainability and Society, $2018, 8, .$	1.7	33
604	Transient Faults in Wind Energy Conversion Systems: Analysis, Modelling Methodologies and Remedies. Energies, 2018, 11, 2249.	1.6	8
605	Voltage Control in Active Distribution Grids: A Review and a New Set-Up Procedure for Local Control Laws. , 2018 , , .		5
606	Extendable multirate real-time simulation of active distribution networks based on field programmable gate arrays. Applied Energy, 2018, 228, 2422-2436.	5.1	4
607	Modified Shuffled Frog Leaping Optimization Algorithm Based Distributed Generation Rescheduling for Loss Minimization. Journal of the Institution of Engineers (India): Series B, 2018, 99, 397-405.	1.3	10
608	Hosting capacity evaluation in networks with parameter uncertainties. , 2018, , .		4
609	Hierarchically coordinated protection: A key element in improving power system resilience. , $2018, \ldots$		0
610	Probability-Weighted Robust Optimization for Distributed Generation Planning in Microgrids. IEEE Transactions on Power Systems, 2018, 33, 7042-7051.	4.6	48
611	A brief analysis of distributed generation connected to distribution network. , 2018, , .		5
612	A review of the role of distributed generation (DG) in future electricity systems. Energy, 2018, 163, 822-836.	4.5	162
613	Technology, business model, and market design adaptation toward smart electricity distribution: Insights for policy making. Energy Policy, 2018, 121, 426-440.	4.2	44
614	Robust Power Supply Restoration for Self-Healing Active Distribution Networks Considering the Availability of Distributed Generation. Energies, 2018, 11, 210.	1.6	8
615	Symmetric Fuzzy Logic and IBFOA Solutions for Optimal Position and Rating of Capacitors Allocated to Radial Distribution Networks. Energies, 2018, 11, 766.	1.6	12
616	A critical-analysis on the development of Energy Storage industry in China. Journal of Energy Storage, 2018, 18, 538-548.	3.9	19
617	Enabling technologies for distributed temperature monitoring of smart power cables. , 2018, , .		2
618	Performance evaluation of continuous and discontinuous pulse width modulation techniques for grid-connected PWM converter. International Transactions on Electrical Energy Systems, 2018, 28, e2609.	1.2	5
619	PV modeling methods of an off-grid experimental microgrid. , 2018, , .		2
620	Energy storage system expansion planning in power systems: a review. IET Renewable Power Generation, 2018, 12, 1203-1221.	1.7	50

#	Article	IF	CITATIONS
621	Modeling and design of solid state smart transformer for microgrid., 2018,,.		4
622	State-of-the-art of hosting capacity in modern power systems with distributed generation. Renewable Energy, 2019, 130, 1002-1020.	4.3	346
623	Modeling and Analysis of Resilience for Distribution Networks. Power Systems, 2019, , 3-43.	0.3	3
624	Integration of renewable energy systems and challenges for dynamics, control, and automation of electrical power systems. Wiley Interdisciplinary Reviews: Energy and Environment, 2019, 8, e321.	1.9	30
625	Robust Operation of Soft Open Points in Active Distribution Networks With High Penetration of Photovoltaic Integration. IEEE Transactions on Sustainable Energy, 2019, 10, 280-289.	5.9	155
626	Impact of Photovoltaic Penetration on the Distribution System Protection: A Case Study of 5-MW Plants of Mu'tah University and Kempinski Hotel., 2019,,.		0
627	SOC-Based BESS Control Logic for Dynamic Frequency Regulation in Microgrids with Renewables. , 2019, , .		2
628	Implementation of peer-to-peer energy auction based on transaction zoning considering network constraints. Journal of International Council on Electrical Engineering, 2019, 9, 53-60.	0.4	4
629	Service restoration of active distribution systems with increasing penetration of renewable distributed generation. IET Generation, Transmission and Distribution, 2019, 13, 3177-3187.	1.4	21
630	FACTS Providing Grid Services: Applications and Testing. Energies, 2019, 12, 2554.	1.6	34
631	Comparative Study of Different Approaches for Islanding Detection of Distributed Generation Systems. Applied System Innovation, 2019, 2, 25.	2.7	33
632	A Neural Network Based Prediction System of Distributed Generation for the Management of Microgrids. IEEE Transactions on Industry Applications, 2019, 55, 7092-7102.	3.3	68
633	Flexibility Enhancement in an Islanded Distribution Power System by Online Demand-Side Management. EPJ Web of Conferences, 2019, 217, 01020.	0.1	1
634	Study on the Addition of Solar Generating and Energy Storage Units to a Power Distribution System. , 2019, , .		3
635	Effect of the Integration of Disturbances Prediction in Energy Management Systems for Microgrids. , 2019, , .		8
636	Development and real-world application of a taxonomy for business models in local energy markets. Applied Energy, 2019, 256, 113913.	5.1	20
637	Energy Supplier 2.0: A conceptual business model for energy suppliers aggregating flexible distributed assets and policy issues raised. Energy Policy, 2019, 135, 110911.	4.2	43
638	Mitigation of voltage imbalance in power distribution system using MPC â€controlled packedâ€Uâ€cells converter. Energy Science and Engineering, 2019, 7, 1659-1668.	1.9	5

#	ARTICLE	IF	CITATIONS
639	Electrical Power Characteristics and Economic Analysis of Distributed Generation System Using Renewable Energy: Applied to Iron and Steel Plants. Sustainability, 2019, 11, 6199.	1.6	6
640	Modelling the Growth of DG Market and the Impact of Incentives on its Deployment: Comparing Fixed Adoption and System Dynamics Methods in Brazil. , 2019, , .		1
641	Influence of Flexibility Modeling Parameters on Residential-Scale Demand Response Assessment. , 2019, , .		0
642	Ten questions concerning modeling of distributed multi-energy systems. Building and Environment, 2019, 165, 106372.	3.0	56
643	Smart Transformers - Enabling Power-Frequency Regulation Services for Hybrid AC/DC Networks. , 2019, , .		2
644	Mitigating unbalance using distributed network reconfiguration techniques in distributed power generation grids with services for electric vehicles: A review. Journal of Cleaner Production, 2019, 239, 117932.	4.6	42
645	A Comparative Study into Enhancing the PV Penetration Limit of a LV CIGRE Residential Network with Distributed Grid-Tied Single-Phase PV Systems. Energies, 2019, 12, 2964.	1.6	16
646	Communication in Smart Grids: A Comprehensive Review on the Existing and Future Communication and Information Infrastructures. IEEE Systems Journal, 2019, 13, 4001-4014.	2.9	80
647	Distributed Energy Resources and Supportive Methodologies for their Optimal Planning under Modern Distribution Network: a Review. Technology and Economics of Smart Grids and Sustainable Energy, 2019, 4, 1.	1.8	17
648	State-of-the-art techniques for modelling of uncertainties in active distribution network planning: A review. Applied Energy, 2019, 239, 1509-1523.	5.1	170
649	Determine the optimal location and capacity of wind and solar resources in the presence of batteries with the aim of improving the quality of power distribution network., $2019,$		0
650	Review of VSG Control-Enabled Universal Compatibility Architecture for Future Power Systems with High-Penetration Renewable Generation. Applied Sciences (Switzerland), 2019, 9, 1484.	1.3	14
651	Comparison of Local Volt/var Control Strategies for PV Hosting Capacity Enhancement of Low Voltage Feeders. Energies, 2019, 12, 1560.	1.6	11
652	A survey on control issues in renewable energy integration and microgrid. Protection and Control of Modern Power Systems, 2019, 4, .	4.3	200
653	Evaluating the Evolution of Distribution Networks under Different Regulatory Frameworks with Multi-Agent Modelling. Energies, 2019, 12, 1203.	1.6	6
654	Wind-solar complementarity and effective use of distribution network capacity. Applied Energy, 2019, 247, 89-101.	5.1	62
655	A Survey of Recent Developments and Requirements for Modern Power System Control. , 2019, , 289-316.		2
656	Advances in Wind Power Forecasting. Lecture Notes in Energy, 2019, , 37-57.	0.2	1

#	Article	IF	CITATIONS
657	Reducing Voltage Volatility with Step Voltage Regulators: A Life-Cycle Cost Analysis of Korean Solar Photovoltaic Distributed Generation. Energies, 2019, 12, 652.	1.6	10
658	Determination of Local Voltage Control Strategy of Distributed Generators in Active Distribution Networks Based on Kriging Metamodel. IEEE Access, 2019, 7, 34438-34450.	2.6	18
659	Review of techno-economic and environmental aspects of building small hydro electric plants – A case study in Serbia. Renewable Energy, 2019, 140, 715-721.	4.3	19
660	A Stochastic Assessment of PV Hosting Capacity Enhancement in Distribution Network Utilizing Voltage Support Techniques. IEEE Access, 2019, 7, 46461-46471.	2.6	35
661	A novel voltage stability and quality index demonstrated on a low voltage distribution network with multifunctional energy storage systems. Electric Power Systems Research, 2019, 171, 264-282.	2.1	22
662	Modeling challenges and potential solutions for integration of emerging DERs in DMS applications: power flow and short-circuit analysis. Journal of Modern Power Systems and Clean Energy, 2019, 7, 1365-1384.	3 . 3	10
664	Algorithm of Driving an Operating Conditions of Power Districts with Distributed Generation back in Permissible Range. , 2019 , , .		1
665	Voltage regulation of a power distribution network in a radial configuration with a class of sector-bounded droop controllers. , 2019, , .		3
666	Distribution Network Voltage Profile Optimization via Multi-Stage Flexible Optimal Power Flow. , 2019, , .		2
667	Wide Area Monitoring Protection and Control Systems: the enablers for enhancing renewable energy hosting capacity., 2019,,.		1
668	Power Flow Analysis on Networks with High Integration of Distributed Photovoltaic Generation. , 2019, , .		1
669	Coordinated Dispatch of Multi-Energy Microgrids and Distribution Network with a Flexible Structure. Applied Sciences (Switzerland), 2019, 9, 5553.	1.3	4
670	Loss Minimization in Distribution System Considering Hourly Data Driven Probabilistic Solar Astronomical Model with GWO Technique. , 2019, , .		4
671	The Technical Challenges Facing the Integration of Small-Scale and Large-scale PV Systems into the Grid: A Critical Review. Electronics (Switzerland), 2019, 8, 1443.	1.8	30
672	Multi-objective Optimal Planning of Distributed Energy Resources Using SPEA2 Algorithms Considering Multi-agent Participation. , 2019, , .		7
673	Singleâ€phase grouding fault analysis and control scheme of transformerless flexible multistate switch. Journal of Engineering, 2019, 2019, 1683-1686.	0.6	1
674	A Reliable Approach to Protect and Control of Wind Solar Hybrid DC Microgrids. , 2019, , .		5
675	Load Scheduling of a Refrigerated Warehouse with Homogeneous Compressors Under Dynamic Pricing. , 2019, , .		4

#	Article	IF	CITATIONS
676	Decentralized Prediction of Electrical Time Series in Smart Grids Using Long Short-Term Memory Neural Networks. , 2019, , .		0
677	Research on Power System Relay Protection Method Based on Machine Learning Algorithm. E3S Web of Conferences, 2019, 136, 02012.	0.2	1
678	Integration of Renewable DGs to Radial Distribution System for Loss Reduction and Voltage Profile Improvement. , 2019, , .		6
679	Energy Management of a Dual Hybrid Energy Storage System of PV Microgrids in Grid-connected Mode Based on Adaptive PQ Control., 2019,,.		5
680	A Universal Design of FPGA-Based Real-Time Simulator for Active Distribution Networks Based on Reconfigurable Computing. Energies, 2019, 12, 2086.	1.6	1
681	Local voltage control of an inverter-based power distribution network with a class of slope-restricted droop controllers. IFAC-PapersOnLine, 2019, 52, 163-168.	0.5	6
682	Designing grid tariffs in the presence of distributed generation. Utilities Policy, 2019, 61, 100979.	2.1	15
683	Scenario-Based Design for Multiple Microgrids with High DG Penetration Considering Uncertainty on Demand and Generation Side. Periodica Polytechnica Electrical Engineering and Computer Science, 0, , .	0.6	0
684	A Chance-Constrained Multistage Planning Method for Active Distribution Networks. Energies, 2019, 12, 4154.	1.6	11
685	Smoother: A Smooth Renewable Power-Aware Middleware. , 2019, , .		2
686	A System of Systems Engineering Framework for Modern Power System Operation. Studies in Systems, Decision and Control, 2019, , 217-247.	0.8	9
687	Existing approaches and trends in uncertainty modelling and probabilistic stability analysis of power systems with renewable generation. Renewable and Sustainable Energy Reviews, 2019, 101, 168-180.	8.2	126
688	Controlled Islanding via Weak Submodularity. IEEE Transactions on Power Systems, 2019, 34, 1858-1868.	4.6	14
689	A new robust kernel ridge regression classifier for islanding and power quality disturbances in a multi distributed generation based microgrid. Renewable Energy Focus, 2019, 28, 78-99.	2.2	22
690	Optimal active and reactive power allocation in distribution networks using a novel heuristic approach. Applied Energy, 2019, 233-234, 71-85.	5.1	98
691	Trends in Islanded Microgrid Frequency Regulation – A Review. Smart Science, 2019, 7, 91-115.	1.9	11
692	Optimal position and rating of DG in distribution networks by ABC–CS from load flow solutions illustrated by fuzzy-PSO. Neural Computing and Applications, 2019, 31, 489-507.	3.2	17
693	Agent-Based Microgrid Scheduling: An ICT Perspective. Mobile Networks and Applications, 2019, 24, 1682-1698.	2.2	18

#	Article	IF	CITATIONS
694	A Consensus-Based Cooperative Control of PEV Battery and PV Active Power Curtailment for Voltage Regulation in Distribution Networks. IEEE Transactions on Smart Grid, 2019, 10, 670-680.	6.2	152
695	A Double-Layered Fully Distributed Voltage Control Method for Active Distribution Networks. IEEE Transactions on Smart Grid, 2019, 10, 1465-1476.	6.2	24
696	An Integrated Wide-Area Protection Scheme for Active Distribution Networks Based on Fault Components Principle. IEEE Transactions on Smart Grid, 2019, 10, 392-402.	6.2	37
697	Economical optimization of grid power factor using predictive data. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 258-267.	8.5	5
698	Optimized Use of PV Distributed Generation in Voltage Regulation: A Probabilistic Formulation. IEEE Transactions on Industrial Informatics, 2019, 15, 247-256.	7.2	34
699	State-of-the-art research on micro grid stability: a review. International Journal of Ambient Energy, 2019, 40, 554-561.	1.4	2
700	A Pool Strategy of Microgrid in Power Distribution Electricity Market. IEEE Transactions on Power Systems, 2020, 35, 3-12.	4.6	46
701	Using the analog ensemble method as a proxy measurement for wind power predictability. Renewable Energy, 2020, 146, 789-801.	4.3	18
702	A New Practical Approach to Optimal Switch Placement in the Presence of Distributed Generation. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2020, 44, 989-1002.	1.5	6
703	Efficient optimization technique for multiple DG allocation in distribution networks. Applied Soft Computing Journal, 2020, 86, 105938.	4.1	97
704	Impact of Rooftop Photovoltaics on the Distribution System. Journal of Renewable Energy, 2020, 2020, 1-23.	2.1	42
705	A Literature Review on Methodologies of Fault Location in the Distribution System with Distributed Generation. Energy Technology, 2020, 8, 1901093.	1.8	6
706	A survey of modelling and smart management tools for power grids with prolific distributed generation. Sustainable Energy, Grids and Networks, 2020, 21, 100284.	2.3	55
707	Demonstration of communicationâ€based threeâ€layerâ€control architecture for providing network services to distribution system operators. International Transactions on Electrical Energy Systems, 2020, 30, e12601.	1.2	0
708	A novel ramp-rate control of grid-tied PV-Battery systems to reduce required battery capacity. Energy, 2020, 210, 118433.	4.5	14
709	An Improved 3-Phase Load Flow for DG Integrated Distribution Systems Based on PSO. , 2020, , .		1
710	Fuel cell transmission integrated grid energy resources to support generation-constrained power systems. Applied Energy, 2020, 276, 115485.	5.1	6
711	Research on Energy Optimization Method of Virtual Power Plant Considering Coordination and Interaction of Source-Load-Storage. IOP Conference Series: Earth and Environmental Science, 2020, 474, 052056.	0.2	1

#	ARTICLE	IF	CITATIONS
712	Optimal sizing and placement of the UPQC and DG simultaneously based on sensitivity analysis and firefly algorithm. International Journal of Power and Energy Conversion, 2020, 11, 390.	0.2	1
713	Techno-Economic Analysis of PV Inverter Controllers for Preventing Overvoltage in LV Grids. , 2020, ,		4
716	Power Flow Calculation for Distribution Network with Distributed Generations and Voltage regulators. , 2020, , .		3
717	A model-based predictive control for power distribution grids with prolific distributed generation: a case study. , 2020, , .		O
718	Experimental Prototyping of a Microgrid with Mechanical Point of Common Coupling. , 2020, , .		4
719	Simulation and Monitoring of Energy Flows in a Micro-Grid. , 2020, , .		2
720	Energy Internet, the Future Electricity System: Overview, Concept, Model Structure, and Mechanism. Energies, 2020, 13, 4242.	1.6	30
721	Demand-side Ubiquitous Electric power Internet of Things: Architecture, Functionalities and Technologies. , 2020, , .		3
722	Multidimensional Feeding of LSTM Networks for Multivariate Prediction of Energy Time Series. , 2020, ,		3
723	Distribution network operational risk assessment and early warning considering multiâ€risk factors. IET Generation, Transmission and Distribution, 2020, 14, 3139-3149.	1.4	13
724	Cyber–physical attacks on power distribution systems. IET Cyber-Physical Systems: Theory and Applications, 2020, 5, 218-225.	1.9	21
725	Deep Neural Networks for Multivariate Prediction of Photovoltaic Power Time Series. IEEE Access, 2020, 8, 211490-211505.	2.6	32
726	Distributed Conditions for Small-Signal Stability of Power Grids and Local Control Design. IEEE Transactions on Power Systems, 2021, 36, 2058-2067.	4.6	6
727	Evaluating The Ramping Trends And Noisy Fluctuations From Solar Power Imbalances. , 2020, , .		0
728	High-Order Observer-Based Sliding Mode Control for the Isolated Microgrid with Cyber Attacks and Physical Uncertainties. Complexity, 2020, 2020, 1-11.	0.9	1
729	Comparative analysis of differential relay settings in Langsa substation transformer to avoid protection failure. , 2020, , .		0
730	On the Contributions of Operational Flexibility Offered by Smart Sustainable Residential Buildings. , 2020, , .		1
731	Distributed Energy Resources and the Application of Al, IoT, and Blockchain in Smart Grids. Energies, 2020, 13, 5739.	1.6	99

#	Article	IF	CITATIONS
732	ADMM Consensus for Deep LSTM Networks. , 2020, , .		1
734	Energy Systems Integration: Implications for public policy. Energy Policy, 2020, 143, 111609.	4.2	46
735	Hybrid Renewable Energy Microgrid for a Residential Community: A Techno-Economic and Environmental Perspective in the Context of the SDG7. Sustainability, 2020, 12, 3944.	1.6	103
736	Optimization techniques applied for optimal planning and integration of renewable energy sources based on distributed generation: Recent trends. Cogent Engineering, 2020, 7, 1766394.	1.1	31
737	Solid-State Transformer for Energy Efficiency Enhancement. , 2020, , .		3
738	Emulation Strategies and Economic Dispatch for Inverter-Based Renewable Generation under VSG Control Participating in Multiple Temporal Frequency Control. Applied Sciences (Switzerland), 2020, 10, 1303.	1.3	3
739	Unveiling the potential for combined heat and power in Chilean industry - A policy perspective. Energy Policy, 2020, 140, 111331.	4.2	4
7 40	Regulation of active and reactive power of a virtual oscillator controlled inverter. IET Generation, Transmission and Distribution, 2020, 14, 62-69.	1.4	6
741	Review of Computational Intelligence Methods for Local Energy Markets at the Power Distribution Level to Facilitate the Integration of Distributed Energy Resources: State-of-the-art and Future Research. Energies, 2020, 13, 186.	1.6	19
742	Voltage Control Methodologies in Active Distribution Networks. Energies, 2020, 13, 3293.	1.6	12
743	Probabilistic Assessment of Distribution Network with High Penetration of Distributed Generators. Sustainability, 2020, 12, 1709.	1.6	4
744	Performance Tuning for Power Electronic Interfaces Under VSG Control. Applied Sciences (Switzerland), 2020, 10, 953.	1.3	7
745	Social tipping dynamics for stabilizing Earth's climate by 2050. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2354-2365.	3.3	394
746	A hierarchical energy management system for islanded multi-microgrid clusters considering frequency security constraints. International Journal of Electrical Power and Energy Systems, 2020, 121, 106134.	3.3	53
747	Predictive Voltage Control: Empowering Domestic Customers With a Key Role in the Active Management of LV Networks. Applied Sciences (Switzerland), 2020, 10, 2635.	1.3	3
748	Reactive Power Injection to Mitigate Frequency Transients Using Grid Connected PV Systems. Energies, 2020, 13, 1998.	1.6	4
749	Optimal reactive power flow procedure to set up an effective local voltage control. Sustainable Energy Technologies and Assessments, 2020, 39, 100709.	1.7	5
750	Adaptive Performance Tuning for Voltage-Sourced Converters with Frequency Responses. Applied Sciences (Switzerland), 2020, 10, 1884.	1.3	1

#	Article	IF	CITATIONS
751	Distributed energy systems as common goods: Socio-political acceptance of renewables in intelligent microgrids. Renewable and Sustainable Energy Reviews, 2020, 127, 109841.	8.2	84
752	Distributed Economic Dispatch for Energy Internet Based on Multiagent Consensus Control. IEEE Transactions on Automatic Control, 2021, 66, 137-152.	3.6	29
753	Review of Harmonic Mitigation Methods in Microgrid: From a Hierarchical Control Perspective. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 3044-3060.	3.7	36
754	Optimal reconfiguration and renewable distributed generation allocation in electric distribution systems. International Journal of Ambient Energy, 2021, 42, 1018-1031.	1.4	50
755	Modelling and assessing the impact of the DSO remuneration strategy on its interaction with electricity users. International Journal of Electrical Power and Energy Systems, 2021, 126, 106585.	3.3	8
756	Voltage stability support offered by active distribution networks. Electric Power Systems Research, 2021, 190, 106728.	2.1	13
757	Evaluation of sensitivity based coordinated volt-var control and local reactive power for voltage regulation and power exchange across system boundaries in smart distribution networks. Electric Power Systems Research, 2021, 192, 106975.	2.1	5
758	Toward an adaptive protection scheme in active distribution networks: Intelligent approach fault detector. Applied Soft Computing Journal, 2021, 98, 106839.	4.1	16
759	Historical Literature Review of Optimal Placement of Electrical Devices in Power Systems: Critical Analysis of Renewable Distributed Generation Efforts. IEEE Systems Journal, 2021, 15, 3820-3831.	2.9	10
760	Transmission Hosting Capacity of Distributed Energy Resources. IEEE Transactions on Sustainable Energy, 2021, 12, 794-801.	5.9	13
761	Adaptive frequency islanding system for distributed generation energy districts. IOP Conference Series: Materials Science and Engineering, 0, 1019, 012102.	0.3	0
762	Mathematical models and optimization techniques to support local electricity markets. , 2021, , 259-276.		0
763	Integration of distributed energy resources in power systems: Issues, challenges, technology options, and the need for resilience. , 2021, , 3-24.		1
764	Review of Constructing the Early Warning and Diagnosis Information Database of Power Plant Network Security Events. Smart Innovation, Systems and Technologies, 2021, , 295-301.	0.5	0
765	Design and Implementation of Smooth Renewable Power in Cloud Data Centers. IEEE Transactions on Cloud Computing, 2023, 11, 85-96.	3.1	0
766	Basic Concepts of Electric Power System Planning. Advances in Business Information Systems and Analytics Book Series, 2021, , 306-325.	0.3	2
767	Simulation of criteria for selection of remote protection settings with remote starting in lines with distributed sources. IOP Conference Series: Materials Science and Engineering, 0, 1030, 012179.	0.3	3
768	Peer-to-peer energy platforms. , 2021, , 91-105.		0

#	Article	IF	Citations
769	A Bibliometric Analysis of Power System Planning Research During 1971–2020. IEEE Transactions on Power Systems, 2022, 37, 2283-2296.	4.6	9
770	Distributed Economies. Lecture Notes in Mechanical Engineering, 2021, , 23-50.	0.3	3
771	A Critical Review of Demand Response Products as Resource for Ancillary Services: International Experience and Policy Recommendations. Energies, 2021, 14, 846.	1.6	26
772	The IEEE IES Technical Committee Cluster of Energy: Promoting Innovative Research Activities in the Energy Field. IEEE Industrial Electronics Magazine, 2021, 15, 89-103.	2.3	0
773	Optimal Capacity Allocation of Energy Storage in Distribution Networks Considering Active/Reactive Coordination. Energies, 2021, 14, 1611.	1.6	7
774	Innovative Application of Model-Based Predictive Control for Low-Voltage Power Distribution Grids with Significant Distributed Generation. Energies, 2021, 14, 1773.	1.6	1
775	Smart Grid: Problems, Avenues for Study & Attainable Solutions. , 2021, , .		0
776	Optimal sizing and allocation of renewable based distribution generation with gravity energy storage considering stochastic nature using particle swarm optimization in radial distribution network. Journal of Energy Storage, 2021, 35, 102282.	3.9	51
777	Multi-objective optimization based optimal sizing & Samp; placement of multiple distributed generators for distribution network performance improvement. RAIRO - Operations Research, 2021, 55, 899-919.	1.0	5
778	Modelling and optimization of a flexible hydrogen-fueled pressurized PEMFC power plant for grid balancing purposes. International Journal of Hydrogen Energy, 2021, 46, 13190-13205.	3.8	13
779	Control coordination between DFIG-based wind turbines and synchronous generators for optimal primary frequency response., 2021,,.		1
780	Decentralized Voltage Control in Active Distribution Systems: Features and Open Issues. Energies, 2021, 14, 2563.	1.6	12
781	Coordinated Optimal Control of PV Inverters and HVAC Loads in Distribution Systems., 2021,,.		0
782	An efficient framework for integrating distributed generation and capacitor units for simultaneous gridâ€connected and islanded network operations. International Journal of Energy Research, 2021, 45, 14920-14958.	2.2	8
783	Performance and analysis of retail <scp>store entered</scp> microgrids with solar photovoltaic parking lot, cogeneration, and batteryâ€based hybrid systems. Engineering Reports, 2021, 3, e12418.	0.9	4
784	Robust optimization of microgrid based on renewable distributed power generation and load demand uncertainty. Energy, 2021, 223, 120043.	4.5	124
785	A Survey on Computational Intelligence Applications in Distribution Network Optimization. Electronics (Switzerland), 2021, 10, 1247.	1.8	3
786	Active Power Management for PV Systems under High Penetration Scenario. International Journal of Photoenergy, 2021, 2021, 1-15.	1.4	5

#	Article	IF	CITATIONS
787	A review on optimization strategies integrating renewable energy sources focusing uncertainty factor $\hat{a} \in \text{``Paving path to eco-friendly smart cities. Sustainable Computing: Informatics and Systems, 2021, 30, 100559.}$	1.6	12
788	Integrated resource planning for a meshed distribution network under uncertainty. Electric Power Systems Research, 2021, 195, 107127.	2.1	7
789	Estimating national and local low-voltage grid capacity for residential solar photovoltaic in Sweden, UK and Germany. Renewable Energy, 2021, 171, 915-926.	4.3	26
790	Simulating spatiotemporal energy technology adoption patterns under different policy designs. , 2021,		1
791	Operational Management of Medium Voltage and Low Voltage Networks under a Smart Grid Environment. , 2021, , .		0
792	Increasing the Utilization of Existing Infrastructures by Using the Newly Introduced Boundary Voltage Limits. Energies, 2021, 14, 5106.	1.6	2
793	Optimization of hybrid renewable energy system in radial distribution networks considering uncertainty using meta-heuristic crow search algorithm. Applied Soft Computing Journal, 2021, 107, 107384.	4.1	27
794	Mapping demand flexibility: A spatio-temporal assessment of flexibility needs, opportunities and response potential. Applied Energy, 2021, 295, 117015.	5.1	20
795	Fault detection observer design in finite-frequency domain for networked interconnected systems. Journal of Physics: Conference Series, 2021, 2010, 012151.	0.3	0
796	Influence of distribution tariff structures and peer effects on the adoption of distributed energy resources. Applied Energy, 2021, 298, 117086.	5.1	9
797	Effect of Individual Volt/var Control Strategies in LINK-Based Smart Grids with a High Photovoltaic Share. Energies, 2021, 14, 5641.	1.6	3
798	Islanding detection method for distributed generation with wavelet based nuisance tripping suppression. Electric Power Systems Research, 2021, 199, 107366.	2.1	2
799	Quantifying the trade-off between percentage of renewable supply and affordability in Pacific island countries: Case study of Samoa. Renewable and Sustainable Energy Reviews, 2021, 150, 111468.	8.2	9
800	Impact assessment of distributed generations with electric vehicles planning: A review. Journal of Energy Storage, 2021, 43, 103092.	3.9	11
801	A novel \hat{l} 4PMUs assisted loss-of-mains detection technique for active distribution systems. Electric Power Systems Research, 2022, 202, 107578.	2.1	1
802	Linking energy homeostasis, exergy management, and resiliency to develop sustainable grid-connected distributed generation systems for their integration into the distribution grid by electric utilities., 2021,, 163-199.		1
803	Distribution Systems. Springer Handbooks, 2021, , 1093-1129.	0.3	0
804	Design and Analysis of a Cost-Effective Standalone Solar. , 2021, , 433-451.		O

#	Article	IF	CITATIONS
805	Analysis of Renewable Integrated DG Investment Planning Based on Emission Cost. IOP Conference Series: Earth and Environmental Science, 0, 632, 032017.	0.2	1
806	Role of compensators' hybrid participation for isolated wind-drivenÂelectricalÂsystem in presence of input and load uncertainties. , 2021, , 589-634.		0
807	Microgrid Control Issues. Advances in Industrial Control, 2020, , 1-23.	0.4	3
808	Distributed Generation for Access to Electricity: "Off-Main-Grid―Systems from Home-Based to Microgrid. , 2013, , 75-97.		7
809	Power System Control: An Overview. Power Electronics and Power Systems, 2014, , 1-17.	0.6	3
810	The Distributed Generation as an Important Contribution to Energy Development in Angola and Other Developing African Countries. IFIP Advances in Information and Communication Technology, 2014, , 269-276.	0.5	2
811	Security and Stability Improvement of Power System Due to Interconnection of DG to the Grid. Lecture Notes in Electrical Engineering, 2016, , 227-237.	0.3	2
812	High Penetration of Rooftop Photovoltaic Cells in Low Voltage Distribution Networks: Voltage Imbalance and Improvement. Green Energy and Technology, 2014, , 69-95.	0.4	2
813	Disintegration of power grid as part of the task of increasing functionality of electric system. E3S Web of Conferences, 2017, 25, 03009.	0.2	3
814	Power loss minimization in radial distribution systems with obstructed solar astronomical model and temperature effect using grey wolf optimization technique. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-20.	1.2	6
815	Stability and Total Harmonic Distortion Analysis with Performance of Grid-Tied PV Systems. , 2020, , .		6
816	A Review of the Measures to Enhance Power Systems Resilience. IEEE Systems Journal, 2020, 14, 4059-4070.	2.9	178
817	Effectively Determine Confidence Intervals of Bus Voltages Served for Setting Overcurrent Relays in Distribution Networks. , 2020, , .		1
818	A Review on Model of Integrating Renewable Distributed Generation into Bali's Power Distribution Systems: Issues, Challenges, and Possible Solutions. Indonesian Journal of Electrical Engineering and Computer Science, 2016, 4, 245.	0.7	3
819	Comparative Study of Methods for Estimating Technical Losses in Distribution Systems with Distributed Generation. International Journal of Computers, Communications and Control, 2013, 8, 444.	1.2	4
820	Analysis of distributed energy resources for domestic electricity users. Journal of Energy in Southern Africa, 2012, 23, 50-55.	0.5	4
821	Financially Stimulating Local Economies by Exploiting Communities' Microgrids: Power Trading and Hybrid Techno-Economic (HTE) Model. Trends in Renewable Energy, 2015, 1, .	0.1	4
822	Adoption and Diffusion of Micro-Grids in Italy. An Analysis of Regional Factors Using Agent-Based Modelling. SSRN Electronic Journal, 0, , .	0.4	2

#	Article	IF	Citations
823	Business Models for Energy Suppliers Aggregating Flexible Distributed Assets and Policy Issues Raised. SSRN Electronic Journal, 0, , .	0.4	4
826	LOAD-FREQUENCY OPTIMIZATION WITH HEURISTIC TECHNIQUES IN A AUTONOMOUS HYBRID AC MICROGRID. International Journal of Energy and Smart Grid, 2017, 2, 2-16.	0.7	2
827	Wind energy systems and power quality: matrix versus two-level converters. Renewable Energy and Power Quality Journal, 2008, 1, 419-424.	0.2	8
828	A Review and Discussion of the Grid-Code Requirements for Renewable Energy Sources in Spain. Renewable Energy and Power Quality Journal, 0, , 565-570.	0.2	7
829	Responsive demand in isolated energy systems. WIT Transactions on Ecology and the Environment, 2010, , .	0.0	5
830	Multi-objective distributed generation penetration planning with load model using particle SWARM optimization. Decision Making: Applications in Management and Engineering, 2020, 3, .	3.3	22
831	Operating-Condition-Based Voltage Control Algorithm of Distributed Energy Storage Systems in Variable Energy Resource Integrated Distribution System. Electronics (Switzerland), 2020, 9, 211.	1.8	7
832	Regional energy planning based on distribution grid hosting capacity. AIMS Energy, 2019, 7, 264-284.	1.1	2
833	Comparison of Analytical and Heuristic Techniques for Multiobjective Optimization in Power System. Advances in Computational Intelligence and Robotics Book Series, 0, , 264-291.	0.4	9
834	Distributed Generation Capacity Planning for Distribution Networks to Minimize Energy Loss. Advances in Computer and Electrical Engineering Book Series, 2016, , 76-95.	0.2	1
835	Protection of Distributed Generation: Challenges and Solutions. Energy and Power Engineering, 2017, 09, 614-653.	0.5	32
836	Implementation of Dynamic Line Rating in a Sub-Transmission System for Wind Power Integration. Smart Grid and Renewable Energy, 2015, 06, 233-249.	0.7	8
837	Voltage Control of Distribution Grids with Multi-Microgrids Using Reactive Power Management. Advances in Electrical and Computer Engineering, 2015, 15, 83-88.	0.5	13
838	Modelo de predicción de demanda de energÃa eléctrica mediante técnicas Set-Membership. RIAI - Revista lberoamericana De Automatica E Informatica Industrial, 2019, 16, 467.	0.6	6
839	Inserting Photovoltaic Solar Energy to an Automated Irrigation System. International Journal of Computer Applications, 2016, 134, 1-7.	0.2	3
840	Intelligent Coordination Method of Multiple Distributed Resources for Harmonic Current Compensation in a Microgrid. Journal of Electrical Engineering and Technology, 2012, 7, 834-844.	1.2	17
841	A Three-phase Hybrid Power Flow Algorithm for Meshed Distribution System with Transformer Branches and PV Nodes. Journal of Electrical Engineering and Technology, 2016, 11, 65-75.	1.2	10
842	Review of Virtual Power Plant Applications for Power System Management and Vehicle-to-Grid Market Development. Transactions of the Korean Institute of Electrical Engineers, 2016, 65, 2251-2261.	0.1	8

#	Article	IF	CITATIONS
843	Implementation of a Smart Grid Inverter through Embedded Systems. Elektronika Ir Elektrotechnika, 2013, 19, .	0.4	2
844	Global Warming Mitigation Using Smart Micro-Grids. , 0, , .		6
845	Distributed Generation and the Regulation of Distribution Networks. , 0 , , .		3
846	A Control and Protection Model for the Distributed Generation and Energy Storage Systems in Microgrids. Journal of Power Electronics, 2016, 16, 748-759.	0.9	23
847	Fault Location Estimation in Power Distribution Systemswith High Penetration of Distributed Generation. International Journal of Computer and Electrical Engineering, 2012, , 632-636.	0.2	1
848	Power System Challenges and Issues. Power Systems, 2021, , 1-17.	0.3	3
849	Introduction and Literature Review of Power System Challenges and Issues. Power Systems, 2021, , 19-43.	0.3	16
850	Short-Term Cooperative Operational Scheme of Distribution System with High Hosting Capacity of Renewable-Energy-Based Distributed Generations. Energies, 2021, 14, 6340.	1.6	5
851	Renewable Energy Options and Frequency Regulation. , 2009, , 1-18.		0
852	Power System Control: An Overview. , 2009, , 1-13.		2
853	Exploration and Prioritization of Fuel Cell Commercialization Barriers for Use in the Development of a Fuel Cell Roadmap and Action Plan for California., 2009,,.		0
854	Analysis of the Impact of Distributed Generation in the Location of Faults in Power Distribution Systems. Renewable Energy and Power Quality Journal, 2010, 1, 863-868.	0.2	0
856	Iran's Participatory Power Market Regarding Distributed Generation from Renewable Sources: A Case Study. Renewable Energy and Power Quality Journal, 0, , 991-996.	0.2	1
857	Real-Time Generation Dispatch and Communication Architecture of Smart Grid with Renewable Energy. Journal of Communications, 2013, 8, 497-504.	1.3	1
858	A Game Strategy for Power Flow Control of Distributed Generators in Smart Grids. Communications in Computer and Information Science, 2014, , 276-285.	0.4	0
859	A Layered Communication Architecture for Power Routing in the Smart Grid. International Journal of Information Technology and Web Engineering, 2014, 9, 59-69.	1.2	2
860	A Distributed Generation based Residential Smart Gateway Grid. IOSR Journal of Electrical and Electronics Engineering, 2014, 9, 52-60.	0.0	0
861	Communication for Control in Heterogeneous Power Supply. SpringerBriefs in Computer Science, 2014, , 13-23.	0.2	O

#	Article	IF	CITATIONS
862	Coordination of Distributed Generators and Energy Storage Systems. TELKOMNIKA Indonesian Journal of Electrical Engineering, 2014, 12, .	0.1	0
863	Optimal Multi-Distributed Generators Planning Under Uncertainty using AHP and GA. TELKOMNIKA Indonesian Journal of Electrical Engineering, 2014, 12, .	0.1	1
864	Distributed Wind Generator., 2014,,.		0
865	Reliability Evaluation of Electrical Distribution Network Containing Distributed Generation Using Directed-Relation-Graph. Journal of Electrical Engineering and Technology, 2014, 9, 1188-1195.	1.2	1
866	Comparative Analysis of 132kV Grid Stations from Distributed Generation Perspective. International Journal of Scientific and Engineering Research, 2014, 5, 181-186.	0.1	5
867	Situational Analysis of Distributed System and its Effectiveness in Area of Power System. International Journal of Computer Applications, 2014, 103, 23-30.	0.2	0
868	Renewable Distributed Energy Generation: Major Barriers., 2014,, 1537-1545.		0
869	Grid Stabilization Effect of Combined Electricity Generation from Wind and Photovoltaic Systems in Murcia, Spain. Advances in Environmental Engineering and Green Technologies Book Series, 2015, , 225-251.	0.3	0
870	Investigation of the Stability Due to Disturbance with SFS Anti-islanding Protection in Multi-DGs System. , $2015, \ldots$		0
871	How to promote distributed resource supply in a Colombian microgrid with economic mechanism?: System dynamics approach. DYNA (Colombia), 2015, 82, 11-18.	0.2	1
872	Optimisation techniques for planning automatic under frequency load shedding in New Zealand's power system. ANZIAM Journal, 0, 57, 1.	0.0	0
873	A Fuzzy Logic Based Mppt Controller For Wind-Driven Three-Phase Self-Excited Induction Generators Supplying Dc Microgrid. International Journal of Advances in Applied Sciences, 2017, 6, 325.	0.2	0
874	Design and Analysis of a Cost-Effective Standalone Solar. Advances in Computer and Electrical Engineering Book Series, 2018, , 552-570.	0.2	0
875	ENERGY MANAGEMENT AND ACTIVE POWER CONTROL OF A HYDRID DISTRIBUTED GENERATION USING GENETIC ALGORITHM. International Journal of Research -GRANTHAALAYAH, 2018, 6, 456-475.	0.1	0
876	Power Quality in Smart Distribution Systems with Electric Battery, Large Loads and PV Generation , 0,		0
877	Balancing battery and thermal storage for raised renewable energy penetration for microgrid. , 2019, , .		1
878	Review of Microgrids and Associated Protective Systems. Archives of Current Research International, 0, , 1-11.	0.2	0
879	Attitudes of SMEs Toward the Elements of Eco-efficiency: The Turkish Case. , 2020, , 147-168.		0

#	Article	IF	CITATIONS
880	Assessment of the potential of distributed energy technologies as a compensation for the need for generating capacities until 2035. Vestnik Voroneå¾skogo Gosudarstvennogo Universiteta inå¾enernyh Tehnologij, 2020, 82, 409-418.	0.1	1
881	Object-Oriented Security Constrained Quadratic Optimal Power Flow. , 2020, , .		0
882	Impact of Transient Stability with Increasing Penetration of Distributed Energy Resources in HVDC Paralleled with 765kV AC Transmission Line. , 2020, , .		0
884	Study on operation strategy and load forecasting for distributed energy system based on Chinese supply-side power grid reform. Energy and Built Environment, 2022, 3, 113-127.	2.9	7
885	Simulation of Distribution Network Using Shifted-Frequency Electromagnetic Transient Program. , 2020, , .		0
886	Fault control of microgrid system: A case study of Karabuk University - Turkey. IOP Conference Series: Earth and Environmental Science, 2020, 614, 012019.	0.2	6
887	Optimal Allocation of Renewable Energy Source Integrated-Smart Distribution Systems Based on Technical-Economic Analysis Considering Load Demand and DG Uncertainties. Lecture Notes in Networks and Systems, 2021, , 391-404.	0.5	7
888	A SWOT Analysis of Two Protection Strategies Due to the Expansion of Renewable Distributed Generation on Distribution Network. , 2020, , .		1
889	Energy Management of a Smart Home Micro Grid in Presence of Micro-CCHP., 2020, , .		1
890	Optimal Placement of DG for Power Losses Minimization in Radial Distribution System using Backward Forward Sweep Algorithm. , 2020, , .		9
891	An optimisation model to determine the capacity of a distributed energy resource to contract with a balancing services aggregator. Applied Energy, 2022, 306, 117984.	5.1	1
892	Load/Frequency Control in the presence of Renewable Energy Systems: a Reference-Offset Governor approach IFAC-PapersOnLine, 2020, 53, 12548-12553.	0.5	5
893	Adaptive voltage regulation of an inverter-based power distribution network with a class of droop controllers. IFAC-PapersOnLine, 2020, 53, 12416-12421.	0.5	1
894	Integrating PV+Battery Residential Microgrids in Distribution Networks: How Is the Point of Common Coupling Agreed Upon?. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 150-164.	0.2	0
895	Towards an Adaptive and Attack-Resilient Communication Infrastructures for Smart Grids. , 2020, , 293-323.		0
897	Grid Stabilization Effect of Combined Electricity Generation From Wind and Photovoltaic Systems in Murcia, Spain., 0,, 590-617.		0
898	A generic multiâ€period optimal power flow framework for combating operational constraints via residential flexibility resources. IET Generation, Transmission and Distribution, 2021, 15, 306-320.	1.4	4
899	Terms of repair works and forecasting of terms of service of contacts of disassembly type in conditions of incomplete of output information. Machinery & Energetics, 2020, 11, 17-22.	0.1	0

#	Article	IF	Citations
900	Optimal Scheduling of Synthetic Reserves Provided by Virtual Power Plants., 2021,,.		0
901	Stability Analysis in a Grid-interactive Residential Nanogrid Using Markov Chains. , 2021, , .		0
902	A multistage distribution network planning method considering distributed generation active management and demand response. IET Renewable Power Generation, 2022, 16, 65-76.	1.7	6
903	Analyzing the factors influencing the formation of the price of electricity in the deregulated markets of developing countries. Energy Reports, 2021, 7, 937-949.	2.5	4
904	A review of voltage and reactive power control algorithms in medium voltage distribution networks. IOP Conference Series: Earth and Environmental Science, 2021, 897, 012016.	0.2	1
905	Elementary changes in topology and power transmission capacity can induce failures in power grids. Physica A: Statistical Mechanics and Its Applications, 2022, 590, 126704.	1.2	4
906	Addressing the Challenges of a Nuclear Phase-Out with Energy Synergies on Business Parks. Proceedings (mdpi), 2020, 58, .	0.2	0
907	Wide Area Damping Controller Techniques of Improving Stability of an integrating Grid. , 2020, , .		3
908	Bifurcation Analysis of Converter-Dominated Electrical Distribution Systems., 2020,,.		2
909	Cyber-Security Enabled Communication Architecture for Power Routing in the Smart Grid., 2020,,.		2
910	Adaptive Capacity Determination for Critical Load in Power Systems. , 2020, , .		0
911	Reliability based optimal distributed generation placement for a radial distribution network., 2021,,.		3
912	Risk of Loss of Protection Coordination in Distribution Grids with High Penetration of Distributed Energy Resources., 2021,,.		3
913	Impacts of Rotating-Type DG Sources on Power System Stability. , 2021, , .		2
914	Performance analysis of ANFIS-PSO based grid integration using Improved SOGI-FLL Algorithm under fluctuating solar irradiance. , 2021, , .		1
915	IEC61850 Based Integrated Directional Power Relaying for the Protection of Microgrids against Unbalanced Fault Conditions. , 2021, , .		0
916	Rural and residential microgrids: concepts, status quo, model, and application., 2022, , 131-161.		3
917	Volt/VAR Optimization: A Survey of Classical and Heuristic Optimization Methods. IEEE Access, 2022, 10, 13379-13399.	2.6	16

#	Article	IF	Citations
918	Optimal Siting of Distributed Generation Unit in Power Distribution System considering Voltage Profile and Power Losses. Mathematical Problems in Engineering, 2022, 2022, 1-14.	0.6	2
919	An Adaptive Load Frequency Control for Power Systems with Renewable Energy Sources. Energies, 2022, 15, 573.	1.6	8
920	Bifurcation Analysis of Active Electrical Distribution Networks Considering Load Tap Changers and Power Converter Capacity Limits. IEEE Transactions on Power Electronics, 2022, 37, 7230-7246.	5.4	5
921	An Investigative Analysis of the Protection Performance of Unbalanced Distribution Networks With Higher Concentration of Distributed Energy Resources. IEEE Transactions on Industry Applications, 2022, 58, 1771-1782.	3.3	6
922	Voltage stability indices–A comparison and a review. Computers and Electrical Engineering, 2022, 98, 107743.	3.0	22
923	Hybrid wind speed prediction framework using data pre-processing strategy based autoencoder network. Electric Power Systems Research, 2022, 206, 107821.	2.1	14
924	Application of a Genetic Algorithm for Improving Voltage Profile with Distributed Generation. European Journal of Education and Pedagogy, 2019, 4, 64-68.	0.2	0
925	Enhancing Voltage Compliance in Distribution Network under Cloud and Edge Computing Framework. IEEE Transactions on Cloud Computing, 2022, , 1-1.	3.1	0
926	EVs vehicle-to-grid implementation through virtual power plants. , 2022, , 299-324.		4
927	Using Group Predictive Voltage and Frequency Regulators of Distributed Generation Plants in Cyber-Physical Power Supply Systems. Energies, 2022, 15, 1253.	1.6	8
928	Fast and accurate grid impedance estimation approach for stability analysis of grid-connected inverters. Electric Power Systems Research, 2022, 207, 107831.	2.1	4
929	Various Approaches of Use and Optimization of FACTS: A Review. , 2022, , .		2
930	Distributed generation monitoring: a cost-effective Raspberry Pi-based device., 2022,,.		3
931	Fostering Offshore Wind Integration in Europe through Grid Connection Impact Assessment. Journal of Marine Science and Engineering, 2022, 10, 463.	1.2	7
932	Effective Volt/var Control for Low Voltage Grids with Bulk Loads. Energies, 2022, 15, 1950.	1.6	1
933	Revenue targeting for a prosumer with storage under gross and net energy metering policies. Journal of Energy Storage, 2022, 50, 104229.	3.9	2
934	Angle stability enhancement of off-grid microgrids based on model predictive control. International Journal of Electrical Power and Energy Systems, 2022, 140, 108046.	3.3	7
935	Distributed Generation (DG): A Review. , 2021, , .		3

#	ARTICLE	IF	Citations
936	A Game Theoretic Approach for Profit Allocation Considering DG And FACTS Devices. , 2021, , .		0
937	Investigations on Off-Grid Hybrid Renewable Energy Microgrid for Sustainable Development Growth. Journal of Circuits, Systems and Computers, 2022, 31, .	1.0	1
938	Local flexibility market: Which design for which needs?. CIRED - Open Access Proceedings Journal, 2020, 2020, 721-723.	0.1	3
939	Prediction of power flow results in time-series-based planning with artificial neural networks and data pre-processing. CIRED - Open Access Proceedings Journal, 2020, 2020, 74-77.	0.1	1
940	Optimal Planning of Multiple Renewable Energy-Integrated Distribution System With Uncertainties Using Artificial Hummingbird Algorithm. IEEE Access, 2022, 10, 40716-40730.	2.6	33
941	Economic Operation of Utility-Connected Microgrids in a Fast and Flexible Framework Considering Non-Dispatchable Energy Sources. Energies, 2022, 15, 2894.	1.6	4
942	Impact assessment of grid tied rooftop PV systems on LV distribution network. Scientific African, 2022, 16, e01172.	0.7	7
943	Fault Current Study of Inverter Interfaced Distributed Generators. Distributed Generation and Alternative Energy Journal, 0, , 6-26.	1.1	О
944	Risk-constrained multi-period investment model for Distributed Energy Resources considering technology costs and regulatory uncertainties. Applied Energy, 2022, 319, 119210.	5.1	3
945	Impacts of Placement of Wind Turbine Generators with Different Interfacing Technologies on Radial Distribution Feeder Fuse-Fuse Protection Coordination Scheme European Journal of Education and Pedagogy, 2019, 4, 59-77.	0.2	О
946	Machine Learning for Energy Systems Optimization. Energies, 2022, 15, 4116.	1.6	6
947	Analysis of Converter Topologies for Wind Energy Conversion Systems. , 2022, , .		1
949	Interaction between Technical and Economic Benefits in Distributed Generation., 2022, 1, 83-91.		6
950	Taylor-series based Convex Approximation Method for Optimization of Active Distribution Networks. , 2022, , .		O
951	Self-adaptive Controllers for Renewable Energy Communities Based on Transformer Loading Estimation. , 2022, , .		1
952	STATCOM optimal placement method applied to a Swiss urban distribution network considering future photovoltaic integration scenarios. , 2022, , .		O
953	Power System Stability Research in the Integration of Wind Power Plant in Almaty Region. , 2022, , .		0
954	On Substrates, Blocks and States: Distributed Energy Resources' Diffusion Models, Use Cases and Frontiers in Power System Planning. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
955	Impact of non-programmable distributed generation in an islanded microgrid: the case study of Ustica. , 2022, , .		1
956	Dynamic environmental economic dispatch with an enhanced-accuracy probabilistic wind cost model. Electrical Engineering, 2022, 104, 4305-4319.	1.2	2
957	Quasi-oppositional Forensic-Based Investigation for Optimal DG Selection for Power Loss Minimization. Process Integration and Optimization for Sustainability, 2023, 7, 73-106.	1.4	2
958	Energy System 4.0: Digitalization of the Energy Sector with Inclination towards Sustainability. Sensors, 2022, 22, 6619.	2.1	56
959	Protective relay resiliency in an electric power transmission system. , 2022, , 87-148.		0
960	Research on VSG Frequency Characteristics and Energy Storage Device Capacity and Charge-Discharge Characteristics Based on Feedforward Branch. Energy Engineering: Journal of the Association of Energy Engineers, 2022, 119, 2347-2367.	0.3	0
961	Intelligent Computing in Electrical Utility Industry 4.0: Concept, Key Technologies, Applications and Future Directions. IEEE Access, 2022, 10, 100312-100336.	2.6	2
962	An Output Regulation Approach to Distributed Voltage Regulation of Multiple Coupled Distributed Generation Units in DC Microgrids. , 2022, , .		0
963	Review of Smart Grid and Nascent Energy Policies: Pakistan as a Case Study. Energies, 2022, 15, 7044.	1.6	7
964	Multiagent Voltage Control System in Mains with Small-Scale Distributed Generation Plants. , 2022, , .		0
965	Hardware Realization of Participants in an Energy Packet-based Power Grid., 2022,,.		1
966	Cybersecurity of Prognostic Control Algorithms of Distributed Generation Plants., 2022,,.		0
967	Characterizing the ramps and noise in solar power imbalances. Solar Energy, 2022, 247, 531-542.	2.9	1
968	Multi-objective optimization model of micro-grid access to 5G base station under the background of Chinaâ \in^{TM} s carbon peak shaving and carbon neutrality targets. Frontiers in Energy Research, 0, 10, .	1.2	2
969	On-grid joint energy management and trading in uncertain environment. Applied Energy, 2023, 330, 120318.	5.1	6
970	Simultaneous siting and sizing of Soft Open Points and the allocation of tie switches in active distribution network considering network reconfiguration. IET Generation, Transmission and Distribution, 2023, 17, 263-280.	1.4	5
971	Investigation of distance relay settings under normal and stressed conditions in a wind farm environment. International Journal of Ambient Energy, 2023, 44, 843-848.	1.4	1
972	Optimal Placement and Sizing of Distributed Generation for Power Loss Minimization in Distribution Network using Particle Swarm Optimization Technique. European Journal of Education and Pedagogy, 2023, 8, 19-25.	0.2	7

#	Article	IF	CITATIONS
973	Challenges and Perspectives of Smart Grid Systems in Islands: A Real Case Study. Energies, 2023, 16, 583.	1.6	5
974	Micro-grid Introduction and Overview. , 2023, , 1-19.		0
975	A Consensus-Based Charging Control Strategy for Electric Vehicles Participating in Performance-Based Regulation Markets. , 2022, , .		0
976	A Perspective of the Energy Transition in Panama focused on Distributed Generation and Electric Vehicles on the Demand-Side. , 2022, , .		0
977	Modelo de programación lineal de operación y multiárea de un sistema eléctrico de potencia. , 2022, 12, .		0
978	State of the Art Monte Carlo Method Applied to Power System Analysis with Distributed Generation. Energies, 2023, 16, 394.	1.6	8
979	Contribution of Distributed Generation to Voltage Control. Ingenieria E Investigacion, 2011, 31, 153-158.	0.2	1
980	Analysis of Droop Control of BESS for VPP based Frequency Control in Distribution Network. , 2022, , .		1
981	A power based integrated protection scheme for active distribution networks against asymmetrical faults. Electric Power Systems Research, 2023, 218, 109223.	2.1	7
982	Grid integration impacts and control strategies for renewable based microgrid. Sustainable Energy Technologies and Assessments, 2023, 56, 103069.	1.7	9
983	A GIS-AHP approach for determining the potential of solar energy to meet the thermal demand in southeastern Spain productive enclaves. Renewable and Sustainable Energy Reviews, 2023, 176, 113205.	8.2	11
984	DG Placement in Distribution System for Voltage Profile Enhancement and Loss Reduction by Reactive Power Loss Minimization., 2022,,.		0
985	Voltage Control Market Integration: Technical and Regulatory Challenges for the Greek Electricity Market. Energies, 2023, 16, 2306.	1.6	0
986	PSO-Based Distributed Generation Planning. , 2022, , .		0
987	Distribution network planning practices based on the transition toward active distribution networks. , 2023, , .		0
988	Frequency Control Strategy for Grid-tied Virtual Power Plant Using SSA-tuned Fractional Order PID Controller. IETE Journal of Research, 0, , 1-17.	1.8	0
989	Microgrid Applications and Technical Challengesâ€"The Brazilian Status of Connection Standards and Operational Procedures. Energies, 2023, 16, 2893.	1.6	3
990	Contingency constrained TCSC and DG coordination in an integrated transmission and distribution network: A multi-objective approach. E-Prime, 2023, 4, 100156.	2.1	0

#	Article	IF	CITATIONS
991	Local control method and simulation analysis of hybrid AC/DC low-voltage distribution networks with high-proportion photovoltaics. Energy Reports, 2023, 9, 819-828.	2.5	2
992	Uncertainty Modeling Methods in Integrated Energy Systems Planning: A Review. Lecture Notes in Electrical Engineering, 2023, , 849-861.	0.3	0
994	Multiple Time Resolution Dispatching Model for Distribution Network Considering Various Active Management Measures. , 2023, , .		1
998	General Approaches to Assessing Electrical Load of Agro-industrial Complex Facilities When Justifying the Parameters of the Photovoltaic Power System. EAI/Springer Innovations in Communication and Computing, 2023, , 1-26.	0.9	0
1000	A literature review on hosting capacity methodologies and inverter control technologies for photovoltaic system. , 2023, , .		5
1001	Literature Review and Power Quality Issues. , 2023, , 5-37.		1
1003	Compliance testing concept of grid-connected inverter-based resources using simulated input. , 2023, , .		0
1005	Virtual Power Injection for Optimal Adjustment of Droop-Controlled Inverters. , 2023, , .		O
1007	Fundamentals of Power System. Engergy Systems in Electrical Engineering, 2023, , 1-9.	0.5	0
1010	Impact of Grid-Connected Photovoltaic Systems on Low Voltage Distribution Network. , 2023, , .		0
1011	Coordinated Design of PSSs and WADC to Tolerate Communication Failures. , 2023, , .		0
1014	A Novel Blockchain-Based Distributed Power System Control Design. , 2023, , .		0
1015	SLP Optimization-Based Voltage Profile Improvement in Unbalanced Distribution Networks., 2023,,.		0
1020	Study of a Self-Tuning Predictive Voltage and Frequency Controller on a Cyber-Physical Model of a Distributed Generation Plant. , 2023, , .		0
1021	SLP Optimization-Based Voltage Profile Improvement in Unbalanced Distribution Networks With SOP Devices. , 2023, , .		0
1022	An Overview of Distributed Generation Integration Techniques, Present Trends and Future Scope. Lecture Notes in Electrical Engineering, 2024, , 269-276.	0.3	0
1023	Volt/var control and optimization. , 2024, , 65-84.		0
1028	Management Strategies forÂanÂEP Device inÂanÂEnergy Packet Grid. Lecture Notes in Computer Science, 2024, , 240-256.	1.0	0

#	Article	IF	CITATIONS
1029	Probabilistic Optimal Scheduling Method for Distribution Network with Photovoltaic-storage System Considering Voltage Fluctuation Suppression., 2023,,.		0
1030	Integration of Renewable Energy Sources in Energy Systems: Management, Security and Sustainability., 2023, , .		O
1031	Application of PMUs in renewable energy provide data for diesel generator. AIP Conference Proceedings, 2023, , .	0.3	0
1033	Voltage Profile Improvement in Unbalanced Distribution Grids by Sequential Quadratic Programming. , 2023, , .		O
1036	Sample Solutions for Digitization of Distribution Substations. , 2023, , .		0
1037	Medium and Low Voltage Distribution Network Model. , 2023, , .		O
1039	Investigation Study of Injecting Numerous DGs in IEEE 69 – bus Radial Networks Using Enhanced PSO and Ant Lion Optimization Algorithms. , 2023, , .		0
1040	Modeling and Control of Decentralized Microgrid Based on Renewable Energy and Electric Vehicle Charging Station. Lecture Notes in Networks and Systems, 2024, , 96-102.	0.5	O
1045	Voltage Control of EV-Enabled Future Power Distribution Networks. Advances in Mechatronics and Mechanical Engineering, 2024, , 156-198.	1.0	0