

Nikos D Hatziargyriou

List of Publications by Year in descending order

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232
papers

19,337
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24978

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238
all docs

238
docs citations

238
times ranked

11986
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Unknown Input Observer-based Measurement Fault Detection and Isolation scheme for Micro-Grid Systems. IEEE Transactions on Industrial Informatics, 2024, , 1-1.	7.2	4
2	Collaborative Pricing in a Power-Transportation Coupled Network: A Variational Inequality Approach. IEEE Transactions on Power Systems, 2023, 38, 783-795.	4.6	12
3	Droop-Controlled Inverters as Educational Control Design Project. IEEE Transactions on Power Systems, 2022, 37, 1623-1633.	4.6	8
4	Day-Ahead and Intraday Dispatch of an Integrated Biomass-Concentrated Solar System: A Multi-Objective Risk-Controlling Approach. IEEE Transactions on Power Systems, 2022, 37, 701-714.	4.6	41
5	Towards an Internet-like Power Grid. Journal of Modern Power Systems and Clean Energy, 2022, 10, 1-11.	3.3	13
6	Strengthening Transmission System Resilience Against Extreme Weather Events by Undergrounding Selected Lines. IEEE Transactions on Power Systems, 2022, 37, 2808-2820.	4.6	9
7	Microgrid Operation Optimization Considering Transient Stability Constraints: A New Bidirectional Stochastic Adaptive Robust Approach. IEEE Systems Journal, 2022, 16, 5663-5674.	2.9	3
8	Microgrids Against Wildfires: Distributed Energy Resources Enhance System Resilience. IEEE Power and Energy Magazine, 2022, 20, 78-89.	1.6	20
9	Performance Improvement of Very Short-term Prediction Intervals for Regional Wind Power Based on Composite Conditional Nonlinear Quantile Regression. Journal of Modern Power Systems and Clean Energy, 2022, 10, 60-70.	3.3	7
10	Local Energy Exchange Market for Community Off-Grid Microgrids: Case Study Los Molinos del Rio Aguas. Energies, 2022, 15, 703.	1.6	3
11	A Hybrid Power Sharing Control to Enhance the Small Signal Stability in DC Microgrids. IEEE Transactions on Smart Grid, 2022, 13, 1826-1837.	6.2	13
12	Editorial Best Papers, Outstanding Associate Editors, and Outstanding Reviewers. IEEE Transactions on Power Systems, 2022, 37, 835-836.	4.6	0
13	Distributed Two-Level Energy Scheduling of Networked Regional Integrated Energy Systems. IEEE Systems Journal, 2022, 16, 5433-5444.	2.9	4
14	A Novel Data-Driven Method for Behind-the-Meter Solar Generation Disaggregation With Cross-Iteration Refinement. IEEE Transactions on Smart Grid, 2022, 13, 3823-3835.	6.2	7
15	Benchmark Models for Low-Voltage Networks: a Novel Open-Source Approach. , 2022, , .		2
16	Classifying resilience approaches for protecting smart grids against cyber threats. International Journal of Information Security, 2022, 21, 1189-1210.	2.3	10
17	Plug-and-Play Algorithms for the Efficient Coordination of Active Distribution Grids. Proceedings of the IEEE, 2022, 110, 1927-1939.	16.4	0
18	A hardware in the loop testbed for adaptive protection of non-inteconnected island systems with high RES penetration. , 2022, , .		2

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19	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
20	An Enhanced IEEE 33 Bus Benchmark Test System for Distribution System Studies. IEEE Transactions on Power Systems, 2021, 36, 2565-2572.	4.6	116
21	Distributed Distributionally Robust Dispatch for Integrated Transmission-Distribution Systems. IEEE Transactions on Power Systems, 2021, 36, 1193-1205.	4.6	54
22	Spatio-Temporal Decomposition and Coordination for Distributed Load Restoration in AC/DC Hybrid System. IEEE Transactions on Smart Grid, 2021, 12, 1685-1698.	6.2	7
23	Risk-constrained self-scheduling of a hybrid power plant considering interval-based intraday demand response exchange market prices. Journal of Cleaner Production, 2021, 282, 125344.	4.6	61
24	Definition and Classification of Power System Stability – Revisited & Extended. IEEE Transactions on Power Systems, 2021, 36, 3271-3281.	4.6	404
25	Incentive Based Demand Response Program for Power System Flexibility Enhancement. IEEE Transactions on Smart Grid, 2021, 12, 2212-2223.	6.2	23
26	Deep Learning-Based Real-Time Switching of Hybrid AC/DC Transmission Networks. IEEE Transactions on Smart Grid, 2021, 12, 2331-2342.	6.2	6
27	Emulated Stator Voltage-Oriented Vector Control of DFIM-SPS With Coupling Effect Elimination for Electric Ship Applications. IEEE Transactions on Transportation Electrification, 2021, 7, 1615-1627.	5.3	6
28	Hierarchical Optimal Control for Synthetic Inertial Response of Wind Farm Based on Alternating Direction Method of Multipliers. IEEE Transactions on Sustainable Energy, 2021, 12, 25-35.	5.9	22
29	An Introduction to Microgrids, Concepts, Definition, and Classifications. Power Systems, 2021, , 3-16.	0.3	4
30	Reconfiguration of Electric Power Distribution Systems: Comprehensive Review and Classification. IEEE Access, 2021, 9, 118502-118527.	2.6	44
31	An Efficient Mathematical Model for Distribution System Reconfiguration Using AMPL. IEEE Access, 2021, 9, 79961-79993.	2.6	48
32	Nested Bilevel Optimization for DERA Operation Strategy: A Stochastic Multiobjective IGDT Model With Hybrid Endogenous/Exogenous Scenarios. IEEE Systems Journal, 2021, , 1-12.	2.9	0
33	Flexibility Services Provision by Frequency-Dependent Control of On-Load Tap-Changer and Distributed Energy Resources. IEEE Access, 2021, 9, 45587-45599.	2.6	13
34	Machine Learning Assisted Stochastic Unit Commitment During Hurricanes With Predictable Line Outages. IEEE Transactions on Power Systems, 2021, 36, 5131-5142.	4.6	15
35	Evolution of the Electricity Distribution Networks – Active Management Architecture Schemes and Microgrid Control Functionalities. Applied Sciences (Switzerland), 2021, 11, 2793.	1.3	7
36	Best Papers and Outstanding Reviewers. IEEE Transactions on Power Systems, 2021, 36, 829-829.	4.6	0

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37	Photovoltaics Enabling Sustainable Energy Communities: Technological Drivers and Emerging Markets. <i>Energies</i> , 2021, 14, 1862.	1.6	12
38	Machine Learning Assisted Stochastic Unit Commitment: A Feasibility Study. , 2021, , .		3
39	Towards Flexible Distribution Systems: Future Adaptive Management Schemes. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3709.	1.3	19
40	Experimental Verification of Self-Adapting Data-Driven Controllers in Active Distribution Grids. <i>Energies</i> , 2021, 14, 2837.	1.6	3
41	Power system frequency control: An updated review of current solutions and new challenges. <i>Electric Power Systems Research</i> , 2021, 194, 107114.	2.1	98
42	Microgrid Protection Against Internal Faults: Challenges in Islanded and Interconnected Operation. <i>IEEE Power and Energy Magazine</i> , 2021, 19, 20-35.	1.6	20
43	A Blockchain Platform for the Decentralized Operation of Active Distribution Networks. , 2021, , .		1
44	A Novel Synchronous DGs Islanding Detection Method based on Online Dynamic Features Extraction. <i>Electric Power Systems Research</i> , 2021, 195, 107180.	2.1	11
45	Optimal Integration of Building Heating Loads in Integrated Heating/Electricity Community Energy Systems: A Bi-Level MPC Approach. <i>IEEE Transactions on Sustainable Energy</i> , 2021, 12, 1741-1754.	5.9	45
46	Design and Testing of Passive Filters for Acoustic Noise Mitigation in Locally Manufactured Small Wind Turbines. , 2021, , .		0
47	Compliance of Distribution System Reactive Flows with Transmission System Requirements. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7719.	1.3	2
48	Closure to Discussion on "Robust Resiliency-Oriented Operation of Active Distribution Networks Considering Windstorms". <i>IEEE Transactions on Power Systems</i> , 2021, 36, 4901-4901.	4.6	0
49	Decentralized Data-Driven Load Restoration in Coupled Transmission and Distribution System With Wind Power. <i>IEEE Transactions on Power Systems</i> , 2021, 36, 4435-4444.	4.6	21
50	Data-Driven Frequency Dynamic Unit Commitment for Island Systems With High RES Penetration. <i>IEEE Transactions on Power Systems</i> , 2021, 36, 4699-4711.	4.6	41
51	Disturbance Observer and Tube-Based Model Predictive Controlled Electric Vehicles for Frequency Regulation of an Isolated Power Grid. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 4351-4362.	6.2	34
52	Cross-border Shared Sizing of Frequency Restoration Reserves: Insights from the H2020 CROSSBOW Project. , 2021, , .		1
53	Blockchain-Based Stochastic Energy Management of Interconnected Microgrids Considering Incentive Price. <i>IEEE Transactions on Control of Network Systems</i> , 2021, 8, 1201-1211.	2.4	32
54	Scenario Based Probabilistic Energy Demand Forecasting using Autoencoders and Gaussian Mixture Models. , 2021, , .		0

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55	Contribution of Residential PV and BESS to the Operational Flexibility at the TSO-DSO Interface. , 2021, , ,		5
56	Wind power scenario generation with non-separable spatio-temporal covariance function and fluctuation-based clustering. International Journal of Electrical Power and Energy Systems, 2021, 130, 106955.	3.3	8
57	Bilevel Optimization Model for the Design of Distribution Use-of-System Tariffs. IEEE Access, 2021, 9, 132928-132939.	2.6	13
58	Distribution Systems. Springer Handbooks, 2021, , 1093-1129.	0.3	0
59	A Systematic Method for Power System Hardening to Increase Resilience Against Earthquakes. IEEE Systems Journal, 2021, 15, 4970-4979.	2.9	24
60	Optimal Generator Start-Up Sequence for Bulk System Restoration With Active Distribution Networks. IEEE Transactions on Power Systems, 2021, 36, 2046-2057.	4.6	13
61	Grid impact of static and dynamic inductive charging and its mitigation through effective management. , 2021, , 33-60.		0
62	Considerations on dynamic inductive charging: optimizing the energy transfer at a high efficiency and experimental implementation. , 2021, , 101-133.		0
63	A Novel Two-Stage Multi-Layer Constrained Spectral Clustering Strategy for Intentional Islanding of Power Grids. IEEE Transactions on Power Delivery, 2020, 35, 560-570.	2.9	36
64	A novel fuzzy-based ensemble model for load forecasting using hybrid deep neural networks. Electric Power Systems Research, 2020, 178, 106025.	2.1	100
65	Resilience Constrained Day-Ahead Unit Commitment Under Extreme Weather Events. IEEE Transactions on Power Systems, 2020, 35, 1242-1253.	4.6	52
66	Dynamic Structural Sizing of Residential Energy Hubs. IEEE Transactions on Sustainable Energy, 2020, 11, 1236-1246.	5.9	39
67	Microgrid Stability Definitions, Analysis, and Examples. IEEE Transactions on Power Systems, 2020, 35, 13-29.	4.6	422
68	Deterministic Dynamic State Estimation-Based Optimal LFC for Interconnected Power Systems Using Unknown Input Observer. IEEE Transactions on Smart Grid, 2020, 11, 1582-1592.	6.2	92
69	Distributed Self-Healing Scheme for Unbalanced Electrical Distribution Systems Based on Alternating Direction Method of Multipliers. IEEE Transactions on Power Systems, 2020, 35, 2190-2199.	4.6	35
70	Decentralized Bidirectional Voltage Supporting Control for Multi-Mode Hybrid AC/DC Microgrid. IEEE Transactions on Smart Grid, 2020, 11, 2615-2626.	6.2	39
71	An Overview of UFLS in Conventional, Modern, and Future Smart Power Systems: Challenges and Opportunities. Electric Power Systems Research, 2020, 179, 106054.	2.1	31
72	DER integration through a monopoly DER aggregator. Energy Policy, 2020, 137, 111124.	4.2	7

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73	Solutions to Increase PV Hosting Capacity and Provision of Services from Flexible Energy Resources. Applied Sciences (Switzerland), 2020, 10, 5146.	1.3	18
74	Decentralized DLMPs with synergetic resource optimization and convergence acceleration. Electric Power Systems Research, 2020, 187, 106467.	2.1	10
75	The Evolution of Research in Microgrids Control. IEEE Open Access Journal of Power and Energy, 2020, 7, 331-343.	2.5	43
76	Optimal Management of the Desalination System Demand in Non-Interconnected Islands. Energies, 2020, 13, 4021.	1.6	8
77	Post-processing Numerical Weather Prediction for Probabilistic Wind Forecasting. , 2020, , .		1
78	The Kythnos Microgrid: A 20-Year History. IEEE Electrification Magazine, 2020, 8, 46-54.	1.8	14
79	Estimating Operational Flexibility from Active Distribution Grids. , 2020, , .		5
80	Methods for Flexible Management of Blockchain-Based Cryptocurrencies in Electricity Markets and Smart Grids. IEEE Transactions on Smart Grid, 2020, 11, 4227-4235.	6.2	33
81	Distributed Risk-Limiting Load Restoration in Unbalanced Distribution Systems With Networked Microgrids. IEEE Transactions on Smart Grid, 2020, 11, 4574-4586.	6.2	30
82	Distributed Risk-Limiting Load Restoration for Wind Power Penetrated Bulk System. IEEE Transactions on Power Systems, 2020, 35, 3516-3528.	4.6	27
83	Remote Laboratory Testing Demonstration. Energies, 2020, 13, 2283.	1.6	10
84	Data related to crystalline photovoltaic plant performance in the semi-arid climate of India. Data in Brief, 2020, 31, 105696.	0.5	1
85	Robust Distributed Coordination of Parallel Restored Subsystems in Wind Power Penetrated Transmission System. IEEE Transactions on Power Systems, 2020, 35, 3213-3223.	4.6	23
86	Robust Resiliency-Oriented Operation of Active Distribution Networks Considering Windstorms. IEEE Transactions on Power Systems, 2020, 35, 3481-3493.	4.6	45
87	Exploiting OLTC and BESS Operation Coordinated with Active Network Management in LV Networks. Sustainability, 2020, 12, 3332.	1.6	10
88	A distributed memory RBF-based model for variable generation forecasting. International Journal of Electrical Power and Energy Systems, 2020, 120, 106041.	3.3	21
89	Performance and degradation assessment of large-scale grid-connected solar photovoltaic power plant in tropical semi-arid environment of India. Solar Energy, 2020, 203, 101-113.	2.9	66
90	Active Distributed Systems and Distributed Energy Resources. CIGRE Green Books, 2020, , 519-567.	0.1	1

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91	Holistic Design of Small-scale Stand-alone Wind Energy Conversion Systems Using Locally Manufactured Small Wind Turbines. Journal of Physics: Conference Series, 2020, 1618, 042012.	0.3	3
92	SMART energy communities: a case study for Greece. CIRED - Open Access Proceedings Journal, 2020, 2020, 136-139.	0.1	0
93	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
94	FACTS Providing Grid Services: Applications and Testing. Energies, 2019, 12, 2554.	1.6	34
95	An FMI-compliant Co-simulation Approach for Smart Grid ICT Assessments. , 2019, , .		1
96	A novel hybrid islanding detection method using dynamic characteristics of synchronous generator and signal processing technique. Electric Power Systems Research, 2019, 175, 105911.	2.1	63
97	A Long-term Reactive Power Planning Framework for Transmission Grids with High Shares of Variable Renewable Generation. , 2019, , .		3
98	Hardware in the Loop Testing of Battery-less Hybrid Systems for Off-grid Power Supply. , 2019, , .		3
99	Schedulable capacity forecasting for electric vehicles based on big data analysis. Journal of Modern Power Systems and Clean Energy, 2019, 7, 1651-1662.	3.3	17
100	TSO-DSO Coordination in Decentralized Ancillary Services Markets. , 2019, , .		19
101	A Hybrid Method for Non-Technical Loss Detection in Smart Distribution Grids. IEEE Transactions on Smart Grid, 2019, 10, 6080-6091.	6.2	67
102	A Review of Power System Flexibility With High Penetration of Renewables. IEEE Transactions on Power Systems, 2019, 34, 3140-3155.	4.6	258
103	A Decentralized Functional Observer Based Optimal LFC Considering Unknown Inputs, Uncertainties, and Cyber-Attacks. IEEE Transactions on Power Systems, 2019, 34, 4408-4417.	4.6	84
104	Optimal Control of Reversible Substations and Wayside Storage Devices for Voltage Stabilization and Energy Savings in Metro Railway Networks. IEEE Transactions on Transportation Electrification, 2019, 5, 515-523.	5.3	60
105	Acoustic Noise of Axial Flux Permanent Magnet Generators in Locally Manufactured Small Wind Turbines. IET Renewable Power Generation, 2019, 13, 2922-2928.	1.7	4
106	Probabilistic Ampacity Forecasting for Overhead Transmission Lines. , 2019, , .		3
107	Blockchain-Powered Applications for Smart Transactive Grids. , 2019, , .		9
108	One-day ahead PV power forecasts using 3D Wavelet Decomposition. , 2019, , .		4

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109	Spatial Risk Analysis of Power Systems Resilience During Extreme Events. Risk Analysis, 2019, 39, 195-211.	1.5	45
110	Unified power flow controllers in smart power systems: models, methods, and future research. IET Smart Grid, 2019, 2, 2-10.	1.5	25
111	Seamless Transition Between Interconnected and Islanded Operation of DC Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 248-256.	6.2	45
112	Multi-Objective Power Management for EV Fleet With MMC-Based Integration Into Smart Grid. IEEE Transactions on Smart Grid, 2019, 10, 1428-1439.	6.2	41
113	A Double-Layered Fully Distributed Voltage Control Method for Active Distribution Networks. IEEE Transactions on Smart Grid, 2019, 10, 1465-1476.	6.2	24
114	Power Management Method for Large Ports With Multi-Agent Systems. IEEE Transactions on Smart Grid, 2019, 10, 1259-1268.	6.2	59
115	Review of non-technical loss detection methods. Electric Power Systems Research, 2018, 158, 250-266.	2.1	143
116	Evaluation of Economic Benefits of DER Aggregation. IEEE Transactions on Sustainable Energy, 2018, 9, 499-510.	5.9	44
117	Optimizing the Energy Transfer, With a High System Efficiency in Dynamic Inductive Charging of EVs. IEEE Transactions on Vehicular Technology, 2018, 67, 4728-4742.	3.9	27
118	Voltage Regulation Support Along a Distribution Line by a Virtual Power Plant Based on a Center of Mass Load Modeling. IEEE Transactions on Smart Grid, 2018, 9, 3029-3038.	6.2	32
119	Multistage Coordinated Planning of Active Distribution Networks. IEEE Transactions on Power Systems, 2018, 33, 32-44.	4.6	105
120	Optimal Distribution System Operation for Enhancing Resilience Against Wildfires. IEEE Transactions on Power Systems, 2018, 33, 2260-2271.	4.6	137
121	Parameter Optimization Design of MMC-EVIS. , 2018, , .		1
122	Open Design and Local Manufacturing of Small Wind Turbines: Case Studies in Ethiopia and Nepal. , 2018, , .		3
123	A Distributed Load Flow Solver for Smart Grid Applications. , 2018, , .		1
124	Application of Topology Identification on Optimal BESS Sizing in Distribution Systems. , 2018, , .		1
125	Thermal and Structural Design of Axial Flux Permanent Magnet Generators for Locally Manufactured Small Wind Turbines. , 2018, , .		6
126	Unsupervised Classification for Non-Technical Loss Detection. , 2018, , .		6

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127	A Benchmark System for Hardware-in-the-Loop Testing of Distributed Energy Resources. IEEE Power and Energy Technology Systems Journal, 2018, 5, 94-103.	3.5	76
128	Demand side flexibility schemes for facilitating the high penetration of residential distributed energy resources. IET Generation, Transmission and Distribution, 2018, 12, 4079-4088.	1.4	22
129	Working together to deploy new energy technologies. Impact, 2018, 2018, 76-77.	0.0	0
130	Hardware-In-the-Loop Design and Optimal Setting of Adaptive Protection Schemes for Distribution Systems With Distributed Generation. IEEE Transactions on Power Delivery, 2017, 32, 393-400.	2.9	123
131	Distributed and Decentralized Voltage Control of Smart Distribution Networks: Models, Methods, and Future Research. IEEE Transactions on Smart Grid, 2017, 8, 2999-3008.	6.2	377
132	Metrics and Quantification of Operational and Infrastructure Resilience in Power Systems. IEEE Transactions on Power Systems, 2017, 32, 4732-4742.	4.6	458
133	The IGREENGrid Project: Increasing Hosting Capacity in Distribution Grids. IEEE Power and Energy Magazine, 2017, 15, 30-40.	1.6	35
134	Power Systems Resilience Assessment: Hardening and Smart Operational Enhancement Strategies. Proceedings of the IEEE, 2017, 105, 1202-1213.	16.4	339
135	Noninterconnected Island Systems: The Greek Case. IEEE Electrification Magazine, 2017, 5, 17-27.	1.8	32
136	Distributed coordination of electric vehicles for conforming to an energy schedule. Electric Power Systems Research, 2017, 151, 86-95.	2.1	22
137	Laboratory Education of Modern Power Systems Using PHIL Simulation. IEEE Transactions on Power Systems, 2017, 32, 3992-4001.	4.6	72
138	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
139	A data driven approach to distribution network topology identification. , 2017, , .		12
140	Combined control and power hardware inâ€”theâ€”loop simulation for testing smart grid control algorithms. IET Generation, Transmission and Distribution, 2017, 11, 3009-3018.	1.4	60
141	Distributed economic dispatch considering transmission losses. , 2017, , .		1
142	Optimal service restoration of power distribution networks considering voltage regulation. , 2017, , .		6
143	Optimal nonlinear robust control of a boost converter. , 2017, , .		0
144	Towards holistic power distribution system validation and testingâ€”an overview and discussion of different possibilities. Elektrotechnik Und Informationstechnik, 2017, 134, 71-77.	0.7	44

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145	Fully distributed economic dispatch of distributed generators in active distribution networks considering losses. IET Generation, Transmission and Distribution, 2017, 11, 627-636.	1.4	41
146	Control strategy for seamless transition from islanded to interconnected operation mode of microgrids. Journal of Modern Power Systems and Clean Energy, 2017, 5, 169-176.	3.3	30
147	A Novel Method for Islanding Detection in DC Networks. IEEE Transactions on Sustainable Energy, 2017, 8, 441-448.	5.9	44
148	Experimental validation of a non-linear robust controller for DC-DC boost converters. , 2017, , .		2
149	Post-primary voltage control using optimal power flow for loss minimization within web-of-cells concept. , 2017, , .		0
150	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
151	Innovation key to Europe's energy future. Impact, 2017, 2017, 39-39.	0.0	0
152	Multi-objective power management strategy for MMC-Based EV Fleet Integrated into smart grid. , 2016, , .		4
153	Power balance control and circulation current suppression for MMC-based EV integration system considering users' requirements. , 2016, , .		0
154	Making Demand Response a Reality in Europe: Policy, Regulations, and Deployment Status. IEEE Communications Magazine, 2016, 54, 108-113.	4.9	86
155	Battery energy storage capacity fading and control strategies for deterministic and stochastic power profiles. , 2016, , .		6
156	Power control of a multiport bidirectional DC-DC module for V2G. , 2016, , .		0
157	Optimal operation of smart distribution networks: A review of models, methods and future research. Electric Power Systems Research, 2016, 140, 95-106.	2.1	116
158	ICT tools for enabling smart grid players' flexibility through VPP and DR services. , 2016, , .		4
159	Design of axial flux permanent magnet generators using various magnetic materials in locally manufactured small wind turbines. , 2016, , .		14
160	Distributed Coordination of Electric Vehicles Providing V2G Services. IEEE Transactions on Power Systems, 2016, 31, 329-338.	4.6	83
161	Review of energy storage allocation in power distribution networks: applications, methods and future research. IET Generation, Transmission and Distribution, 2016, 10, 645-652.	1.4	224
162	Boosting the Power Grid Resilience to Extreme Weather Events Using Defensive Islanding. IEEE Transactions on Smart Grid, 2016, 7, 2913-2922.	6.2	276

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163	Gossip Algorithms for Decentralized Congestion Management of Distribution Grids. IEEE Transactions on Sustainable Energy, 2016, 7, 1071-1080.	5.9	24
164	Distributed Coordination of Electric Vehicles providing V2G Regulation Services. IEEE Transactions on Power Systems, 2016, 31, 2834-2846.	4.6	102
165	The Limitations of Digital Simulation and the Advantages of PHIL Testing in Studying Distributed Generation Provision of Ancillary Services. IEEE Transactions on Industrial Electronics, 2015, 62, 5502-5515.	5.2	107
166	Decentralized economic dispatch of distributed generators based on population dynamics. , 2015, , .		2
167	Decision Trees-Aided Active Power Reduction of a Virtual Power Plant for Power System Over-Frequency Mitigation. IEEE Transactions on Industrial Informatics, 2015, 11, 251-261.	7.2	68
168	Hierarchical Decision Making for Aggregated Energy Management of Distributed Resources. IEEE Transactions on Power Systems, 2015, 30, 3255-3264.	4.6	20
169	The Tianjin 2014 Symposium on Microgrids: A meeting of the minds for international microgrid experts.. IEEE Electrification Magazine, 2015, 3, 79-85.	1.8	0
170	Performance of the linear and binary algorithm of virtual synchronous generators for the emulation of rotational inertia. Electric Power Systems Research, 2015, 123, 119-127.	2.1	31
171	Locally Manufactured Small Wind Turbines: Empowering communities for sustainable rural electrification. IEEE Electrification Magazine, 2015, 3, 68-78.	1.8	27
172	Microgrids: Enhancing the Resilience of the European Megagrid. IEEE Power and Energy Magazine, 2015, 13, 35-43.	1.6	119
173	The Best of IGREENGrid Practices: A Distribution Network's Contribution to Resiliency. IEEE Power and Energy Magazine, 2015, 13, 81-89.	1.6	11
174	Grid Resilience: Elasticity Is Needed When Facing Catastrophes [Guest Editorial]. IEEE Power and Energy Magazine, 2015, 13, 16-23.	1.6	24
175	Q-learning algorithm based multi-agent coordinated control method for microgrids. , 2015, , .		5
176	Harmonic Study in LV networks with high penetration of PV systems. , 2015, , .		7
177	Protection coordination in modern distribution grids integrating optimization techniques with adaptive relay setting. , 2015, , .		15
178	Multi-stage power distribution planning to accommodate high wind generation capacity. , 2015, , .		2
179	A review of power distribution planning in the modern power systems era: Models, methods and future research. Electric Power Systems Research, 2015, 121, 89-100.	2.1	340
180	Assessing the Potential of Network Reconfiguration to Improve Distributed Generation Hosting Capacity in Active Distribution Systems. IEEE Transactions on Power Systems, 2015, 30, 346-356.	4.6	289

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181	A Committee of Machine Learning Techniques for Load Forecasting in a Smart Grid Environment. International Journal of Energy and Power, 2015, 4, 98.	0.0	7
182	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
183	Guest Editorial Special Section on Microgrids for Sustainable Energy Systems. IEEE Transactions on Sustainable Energy, 2014, 5, 1309-1309.	5.9	2
184	Transmission pricing software for power engineering education. Computer Applications in Engineering Education, 2014, 22, 410-428.	2.2	2
185	Smart Houses in the Smart Grid: Developing an interactive network. IEEE Electrification Magazine, 2014, 2, 81-93.	1.8	51
186	Powering Through the Storm: Microgrids Operation for More Efficient Disaster Recovery. IEEE Power and Energy Magazine, 2014, 12, 67-76.	1.6	107
187	Computer-Assisted Interactive Learning for Teaching Transmission Pricing Methodologies. IEEE Transactions on Power Systems, 2014, 29, 1972-1980.	4.6	22
188	Optimal Demand-Side Management and Power Generation Scheduling in an All-Electric Ship. IEEE Transactions on Sustainable Energy, 2014, 5, 1166-1175.	5.9	124
189	Multiagent-Based Hybrid Energy Management System for Microgrids. IEEE Transactions on Sustainable Energy, 2014, , 1-1.	5.9	81
190	Trends in Microgrid Control. IEEE Transactions on Smart Grid, 2014, 5, 1905-1919.	6.2	2,316
191	Leader-Follower Strategies for Energy Management of Multi-Microgrids. IEEE Transactions on Smart Grid, 2013, 4, 1909-1916.	6.2	191
192	A More Fair Power Flow Based Transmission Cost Allocation Scheme Considering Maximum Line Loading for N-1 Security. IEEE Transactions on Power Systems, 2013, 28, 3344-3352.	4.6	39
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