Tomonobu Senjyu

List of Publications by Year
in descending order

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640 papers	13,130 citations	31902 53 h-index	42291 92 g-index
652 all docs	652 docs citations	652 times ranked	7942 citing authors

#	Article	IF	Citations
1	Performance assessment of a hybrid complementary power system for sustainable electrification: A case study. Sustainable Cities and Society, 2022, 76, 103412.	5.1	11
2	Independent or complementary power system configuration: A decision making approach for sustainable electrification of an urban environment in Sierra Leone. Energy, 2022, 239, 122310.	4.5	5
3	Multi-objective Optimization and Decision-Making for Net-Zero Energy Smart House. Springer Tracts in Nature-inspired Computing, 2022, , 157-181.	1.2	0
4	Impact of Time-of-Use Demand Response Program on Optimal Operation of Afghanistan Real Power System. Energies, 2022, 15, 296.	1.6	28
5	Technical and Economic Analysis of an HVDC Transmission System for Renewable Energy Connection in Afghanistan. Sustainability, 2022, 14, 1468.	1.6	13
6	Performance Analysis of Modular Multilevel Converter with NPC Sub-Modules in Photovoltaic Grid-Integration. Applied Sciences (Switzerland), 2022, 12, 1219.	1.3	2
7	A Short Assessment of Renewable Energy for Optimal Sizing of 100% Renewable Energy Based Microgrids in Remote Islands of Developing Countries: A Case Study in Bangladesh. Energies, 2022, 15, 1084.	1.6	18
8	Controlled V2Gs and battery integration into residential microgrids: Economic and environmental impacts. Energy Conversion and Management, 2022, 253, 115171.	4.4	24
9	A Game Theory Approach Using the TLBO Algorithm for Generation Expansion Planning by Applying Carbon Curtailment Policy. Energies, 2022, 15, 1172.	1.6	11
10	An Optimized and Outage-Resilient Energy Management Framework for Multicarrier Energy Microgrids Integrating Demand Response. IEEE Transactions on Industry Applications, 2022, 58, 4171-4180.	3.3	15
11	Application Strategies of Model Predictive Control for the Design and Operations of Renewable Energy-Based Microgrid: A Survey. Electronics (Switzerland), 2022, 11, 554.	1.8	14
12	Optimal Operation for Smart City with Model Predictive Control. , 2022, , .		0
13	Integration of Renewable Based Distributed Generation for Distribution Network Expansion Planning. Energies, 2022, 15, 1378.	1.6	15
14	An Employee Competency Framework in a Welfare Organization. Sustainability, 2022, 14, 2397.	1.6	2
15	Dynamic Voltage Stability Improvement by Reactive Power Adjustment of Virtual Synchronous Generator in Remote Island Power Systems. , 2022, , .		1
16	Non-Symmetrical (NS) Reconfiguration Techniques to Enhance Power Generation Capability of Solar PV System. Energies, 2022, 15, 2124.	1.6	6
17	Microgrid Emergence, Integration, and Influence on the Future Energy Generation Equilibriumâ€"A Review. Electronics (Switzerland), 2022, 11, 791.	1.8	14
18	Active and Reactive Power Management in the Smart Distribution Network Enriched with Wind Turbines and Photovoltaic Systems. Sustainability, 2022, 14, 4273.	1.6	11

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19	Improvement of distribution networks performance using renewable energy sources based hybrid optimization techniques. Ain Shams Engineering Journal, 2022, 13, 101786.	3.5	8
20	Multi-Energy Microgrids Incorporating EV Integration: Optimal Design and Resilient Operation. IEEE Transactions on Smart Grid, 2022, 13, 3508-3518.	6.2	20
21	Mixed-Integer Linear Programming for Decentralized Multi-Carrier Optimal Energy Management of a Micro-Grid. Applied Sciences (Switzerland), 2022, 12, 3262.	1.3	9
22	A simulation study of techno-economics and resilience of the solar PV irrigation system against grid outages. Environmental Science and Pollution Research, 2022, 29, 64846-64857.	2.7	8
23	Exploring UTAUT Model in Mobile 4.5G Service: Moderating Socialâ€"Economic Effects of Gender and Awareness. Social Sciences, 2022, 11, 187.	0.7	9
24	An Energy-Efficient Start-Up Strategy for Large Variable Speed Hydro Pump Turbine Equipped with Doubly Fed Asynchronous Machine. Energies, 2022, 15, 3138.	1.6	5
25	Green Synthesis of Silver Oxide Nanoparticles for Photocatalytic Environmental Remediation and Biomedical Applications. Metals, 2022, 12, 769.	1.0	40
26	Hardware Implementation of Novel Shade Dispersion PV Reconfiguration Technique to Enhance Maximum Power under Partial Shading Conditions. Energies, 2022, 15, 3515.	1.6	9
27	Novel H6 Transformerless Inverter for Grid Connected Photovoltaic System to Reduce the Conduction Loss and Enhance Efficiency. Energies, 2022, 15, 3789.	1.6	2
28	Effect of the COVID-19 Pandemic on Renewable Energy Firmâ€™s Profitability and Capitalization. Sustainability, 2022, 14, 6870.	1.6	4
29	BESS based voltage stability improvement enhancing the optimal control of real and reactive power compensation. AIMS Energy, 2022, 10, 535-552.	1.1	4
30	Reactive Power Management Based Hybrid GAEO. Sustainability, 2022, 14, 6933.	1.6	5
31	Application of Reinforcement Learning Algorithm to Parameter Identification for MPPT Control of PMSG Wind Energy Conversion Systems. , 2022, , .		3
32	Design of Decentralized Hybrid Microgrid Integrating Multiple Renewable Energy Sources with Power Quality Improvement. Sustainability, 2022, 14, 7777.	1.6	12
33	Power System Planning and Quality Control. Energies, 2022, 15, 4995.	1.6	5
34	Optimum coordination of centralized and distributed renewable power generation incorporating battery storage system into the electric distribution network. International Journal of Electrical Power and Energy Systems, 2021, 125, 106458.	3.3	66
35	Interconnected standalone DC microgrid fault protection based on Self-Adaptive DC fault current limiter with hybrid solid state circuit breaker. AIMS Energy, 2021, 9, 991-1008.	1.1	2
36	Role of Negative Interest Rates for Energy Assets Pricing in Financial Markets. Advances in Environmental Engineering and Green Technologies Book Series, 2021, , 107-119.	0.3	0

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37	Green Building Efficiency and Sustainability Indicators. , 2021, , 196-212.		0
38	Photocatalytic Applications of Metal Oxides for Sustainable Environmental Remediation. Metals, 2021, 11, 80.	1.0	204
39	Analysing integration issues of the microgrid system with utility grid network. International Journal of Emerging Electric Power Systems, 2021, 22, 113-127.	0.6	6
40	Optimal sizing of a residential microgrid in Egypt under deterministic and stochastic conditions with PV/WG/Biomass Energy integration. AIMS Energy, 2021, 9, 483-515.	1.1	14
41	A novel T-Type Multilevel Inverter for Electric Vehicle and Grid-connected applications. , 2021, , .		12
42	A new topology of DC-DC Converter with Bidirectional Power Flow Capability Coupled with a Nine Multilevel Inverter for EV Applications. , 2021, , .		10
43	INTRODUCTION OF BIOFUELS AS A WAY OF SOLVING ECOLOGICAL PROBLEMS. International Journal of Energy Economics and Policy, 2021, 11, 187-193.	0.5	9
44	Performance of P/PI/PID Based controller in DC-DC Converter for PV applications and Smart Grid Technology. , 2021, , .		12
45	Assessing the Techno-Economic Impact of Derating Factors on Optimally Tilted Grid-Tied Photovoltaic Systems. Energies, 2021, 14, 1044.	1.6	13
46	Cryptocurrency Open Innovation Payment System: Comparative Analysis of Existing Cryptocurrencies. Journal of Open Innovation: Technology, Market, and Complexity, 2021, 7, 102.	2.6	12
47	A New Stage in the Evolution of Cryptocurrency Markets: Analysis by Hurst Method. , 2021, , 35-45.		32
48	A Comparative Design of a Campus Microgrid Considering a Multi-Scenario and Multi-Objective Approach. Energies, 2021, 14, 2853.	1.6	45
49	Solid-State DC Circuit Breakers and Their Comparison in Modular Multilevel Converter Based-HVDC Transmission System. Electronics (Switzerland), 2021, 10, 1204.	1.8	25
50	Unbalanced Voltage Compensation with Optimal Voltage Controlled Regulators and Load Ratio Control Transformer. Energies, 2021, 14, 2997.	1.6	12
51	Energy Management System Optimization of Drug Store Electric Vehicles Charging Station Operation. Sustainability, 2021, 13, 6163.	1.6	19
52	Multi-Attribute Decision-Making Approach for a Cost-Effective and Sustainable Energy System Considering Weight Assignment Analysis. Sustainability, 2021, 13, 5615.	1.6	6
53	LEED Scores of Residential Buildings in Poor Cities: Kabul City Case. Sustainability, 2021, 13, 6959.	1.6	4
54	A Framework for Integration of Smart and Sustainable Energy Systems in Urban Planning Processes of Low-Income Developing Countries: Afghanistan Case. Sustainability, 2021, 13, 8428.	1.6	6

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55	Enhancing the Power Quality of the Grid Interactive Solar Photovoltaic-Electric Vehicle System. World Electric Vehicle Journal, 2021, 12, 98.	1.6	26
56	Post-2000 Building Industry in Kabul City from Sustainability Perspective. Sustainability, 2021, 13, 7833.	1.6	4
57	A Forefront Framework for Sustainable Aquaponics Modeling and Design. Sustainability, 2021, 13, 9313.	1.6	30
58	A Brief Survey on Important Interconnection Standards for Photovoltaic Systems and Electric Vehicles. World Electric Vehicle Journal, 2021, 12, 117.	1.6	17
59	A Quasi-Oppositional Heap-Based Optimization Technique for Power Flow Analysis by Considering Large Scale Photovoltaic Generator. Energies, 2021, 14, 5382.	1.6	16
60	A review on energy efficiency for pathetic environmental trends mitigation. Journal of Sustainability Outreach, 2021, 2, 1-8.	0.2	5
61	Dynamic Voltage Stability Assessment in Remote Island Power System with Renewable Energy Resources and Virtual Synchronous Generator. Energies, 2021, 14, 5851.	1.6	11
62	Investigation on the Optical Design and Performance of a Single-Axis-Tracking Solar Parabolic trough Collector with a Secondary Reflector. Sustainability, 2021, 13, 9918.	1.6	12
63	Online Learning-Based ANN Controller for a Grid-Interactive Solar PV System. Applied Sciences (Switzerland), 2021, 11, 8712.	1.3	5
64	Study and analysis of voltage source converter control stability for HVDC system using different control techniques. Ain Shams Engineering Journal, 2021, 12, 2763-2779.	3.5	6
65	Optimal probabilistic location of DGs using Monte Carlo simulation based different bio-inspired algorithms. Ain Shams Engineering Journal, 2021, 12, 2735-2762.	3.5	21
66	Optimal and economic operation of microgrids to leverage resilience benefits during grid outages. International Journal of Electrical Power and Energy Systems, 2021, 132, 107137.	3.3	55
67	Resilience-Oriented Dispatch of Microgrids Considering Grid Interruptions. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	10
68	Optimal multi-objective sizing of a residential microgrid in Egypt with different ToU demand response percentages. Sustainable Cities and Society, 2021, 75, 103293.	5.1	20
69	Optimal Design and Performance Analysis of a Hybrid Off-Grid Renewable Power System Considering Different Component Scheduling, PV Modules, and Solar Tracking Systems. IEEE Access, 2021, 9, 64393-64413.	2.6	33
70	Analysis of Hybrid Grid-Connected Renewable Power Generation for Sustainable Electricity Supply in Sierra Leone. Sustainability, 2021, 13, 11435.	1.6	26
71	Economic Emission Load Dispatch Problem with Valve-Point Loading Using a Novel Quasi-Oppositional-Based Political Optimizer. Electronics (Switzerland), 2021, 10, 2596.	1.8	18
72	Applicable Smart City Strategies to Ensure Energy Efficiency and Renewable Energy Integration in Poor Cities: Kabul Case Study. Sustainability, 2021, 13, 11984.	1.6	5

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73	Investigation of Home Energy Management with Advanced Direct Load Control and Optimal Scheduling of Controllable Loads. Energies, 2021, 14, 7314.	1.6	23
74	Energy and Environment Efficiencies Towards Contributing to Global Sustainability. , 2021, , 1-13.		0
75	A Concise Overview of Energy Development Within Sustainability Requirements. , 2021, , 15-27.		1
76	Optimal Merging of Transportation System Using Renewable Energy-Based Supply for Sustainable Development. , 2021, , 47-63.		1
77	Smart and Sustainable Township: An Overview. , 2021, , 65-80.		2
78	An Empirical Analysis of Sustainability Indicators in an Administrative Complex Design from Urban Planning Perspective. , 2021, , 81-99.		0
79	Distributed Generation Model for Achieving Environmental Scenario: Loss Reduction and Efficiency Improvement. , 2021, , 101-112.		0
80	Optimal Sizing of Hybrid Microgrid in a Remote Island Considering Advanced Direct Load Control for Demand Response and Low Carbon Emission. Energies, 2021, 14, 7599.	1.6	10
81	Optimal Hybrid PV Array Topologies to Maximize the Power Output by Reducing the Effect of Non-Uniform Operating Conditions. Electronics (Switzerland), 2021, 10, 3014.	1.8	7
82	On the Relationship between Oil and Exchange Rates of Oil-Exporting and Oil-Importing Countries: From the Great Recession Period to the COVID-19 Era. Energies, 2021, 14, 8046.	1.6	51
83	Unsupervised Hybrid Deep Generative Models for Photovoltaic Synthetic Data Generation. , 2021, , .		1
84	Partial Deployment of Rooftop Solar and an Energy Efficiency Approach for Decreasing Grid Dependency. , 2021, , .		2
85	Optimal Sizing and Operation of Microgrid in a Small Island Considering Advanced Direct Load Control and Low Carbon Emission. , 2021, , .		2
86	Optimal Reactive Power or VAR Flow from Distributed Smart PV Inverters. , 2021, , .		1
87	Control Strategies for energy management of MMC-MTDC smartgrid. , 2021, , .		0
88	Resilience-aware Optimal Design and Energy Management Scheme of Multi-energy Microgrids. , 2021, , .		3
89	Robust Optimal Microgrid Management using a Virtual Battery System for Application to Unit Commitments. , 2021, , .		0
90	Optimal Charging and Discharging of Electric Vehicles within Campus Microgrids. , 2021, , .		3

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91	Predicting Volatility Index According to Technical Index and Economic Indicators on the Basis of Deep Learning Algorithm. Sustainability, 2021, 13, 14011.	1.6	30
92	Operation of Controllable Load in a Smart House with Precise HP Temperature Distribution Model. , 2021, , .		1
93	Multi-objective Optimal Placement of Three-Phase Step Voltage Regulator Considering Voltage Unbalance. , 2021, , .		1
94	A Study on Objective Dimensionality Reduction of Unbalanced Distribution System Operation. , 2021, , .		0
95	A Substitute Solution of Backup Generators for a Microgrid. , 2021, , .		0
96	Optimal Operation of Photovoltaic and Micro-grid Energy Storage System Considering Battery Health and Electric Vehicle Charge and Discharge. , 2021, , .		1
97	Profit maximization in hybrid microgrid system incorporating demand response and plug in EV. International Transactions on Electrical Energy Systems, 2021, 31, .	1.2	3
98	Operation of conventional and unconventional energy sources to drive a reverse osmosis desalination plant in Sinai Peninsula, Egypt. Renewable Energy, 2020, 145, 141-152.	4.3	65
99	Performance Evaluation of Probabilistic Methods Based on Bootstrap and Quantile Regression to Quantify PV Power Point Forecast Uncertainty. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1134-1144.	7.2	55
100	Optimum design of hybrid wind/PV energy system for remote area. Ain Shams Engineering Journal, 2020, 11, 11-23.	3.5	75
101	Comparative analysis of a new VSCâ€optimal power flow formulation for power system security planning. International Transactions on Electrical Energy Systems, 2020, 30, e12250.	1.2	8
102	TCSC with auxiliary controls based voltage and reactive power controls on grid power system. Ain Shams Engineering Journal, 2020, 11, 587-609.	3.5	16
103	Energy Storage System Analysis Review for Optimal Unit Commitment. Energies, 2020, 13, 158.	1.6	21
104	A Resonant Hybrid DC Circuit Breaker for Multi-Terminal HVDC Systems. Sustainability, 2020, 12, 7771.	1.6	8
105	A coherent strategy for peak load shaving using energy storage systems. Journal of Energy Storage, 2020, 32, 101823.	3.9	33
106	Optimization of Voltage Unbalance Compensation by Smart Inverter. Energies, 2020, 13, 4623.	1.6	22
107	Optimal Operation and Capacity Plan of Smart City with a Large Introduction of Renewable Energy Sources. , 2020, , .		1
108	Water Cycle Algorithm for Probabilistic Planning of Renewable Energy Resource, Considering Different Load Models. Energies, 2020, 13, 5800.	1.6	3

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109	A Hybrid Fault Recognition Algorithm Using Stockwell Transform and Wigner Distribution Function for Power System Network with Solar Energy Penetration. Energies, 2020, 13, 3519.	1.6	28
110	Incremental Conductance Based Particle Swarm Optimization Algorithm for Global Maximum Power Tracking of Solar-PV under Nonuniform Operating Conditions. Applied Sciences (Switzerland), 2020, 10, 4575.	1.3	31
111	Output Control of Three-Axis PMSG Wind Turbine Considering Torsional Vibration Using H Infinity Control. Energies, 2020, 13, 3474.	1.6	14
112	Optimal Sizing of a Real Remote Japanese Microgrid with Sea Water Electrolysis Plant Under Time-Based Demand Response Programs. Energies, 2020, 13, 3666.	1.6	19
113	Distributed Generators Optimization Based on Multi-Objective Functions Using Manta Rays Foraging Optimization Algorithm (MRFO). Energies, 2020, 13, 3847.	1.6	35
114	Voltage Stability Improvement Method in Large Power System During Transmission Line Faults. , 2020, , .		0
115	Optimal Sizing of a Microgrid System with EV Charging Station in Park & Ride Facility. , 2020, , .		6
116	Multi-variant differential evolution algorithm for feature selection. Scientific Reports, 2020, 10, 17261.	1.6	19
117	Optimal sizing and operation for microgrid with renewable energy considering two types demand response. Journal of Renewable and Sustainable Energy, 2020, 12, .	0.8	17
118	A Systematic Review of Metal Oxide Applications for Energy and Environmental Sustainability. Metals, 2020, 10, 1604.	1.0	120
119	Optimal Capacity and Operation of Distributed Energy Resources in Microgrid by Advanced Direct Load Control. , 2020, , .		0
120	Unit Commitment Using Advanced Direct Load Control. , 2020, , .		1
121	A Study on Voltage Unbalance Compensation and Minimizing Loss in Distribution System using SVR. , 2020, , .		1
122	A strategic-integrated approach for sustainable energy deployment. Energy Reports, 2020, 6, 40-44.	2.5	34
123	Challenges and prospects of Nigeriaâ€™s sustainable energy transition with lessons from other countriesâ€™ experiences. Energy Reports, 2020, 6, 993-1009.	2.5	53
124	Efficient Energy Delivery System of the CHP-PV Based Microgrids with the Economic Feasibility Study. International Journal of Emerging Electric Power Systems, 2020, 21, .	0.6	15
125	Harnessing demand-side management benefit towards achieving a 100% renewable energy microgrid. Energy Reports, 2020, 6, 680-685.	2.5	16
126	A Contemporary Novel Classification of Voltage Stability Indices. Applied Sciences (Switzerland), 2020, 10, 1639.	1.3	26

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127	A Multi-Objective Optimization Approach towards a Proposed Smart Apartment with Demand-Response in Japan. Energies, 2020, 13, 127.	1.6	22
128	Optimizing matrix-matrix multiplication on intelâ€™s advanced vector extensions multicore processor. Ain Shams Engineering Journal, 2020, 11, 1179-1190.	3.5	8
129	Nature-inspired algorithms for feed-forward neural network classifiers: A survey of one decade of research. Ain Shams Engineering Journal, 2020, 11, 659-675.	3.5	55
130	Islanding operation scheme for DC microgrid utilizing pseudo Droop control of photovoltaic system. Energy for Sustainable Development, 2020, 55, 95-104.	2.0	48
131	Demand Response Economic Assessment with the Integration of Renewable Energy for Developing Electricity Markets. Sustainability, 2020, 12, 2653.	1.6	14
132	Analysis of Techno-Economic-Environmental Suitability of an Isolated Microgrid System Located in a Remote Island of Bangladesh. Sustainability, 2020, 12, 2880.	1.6	52
133	Integrated approach for optimal techno-economic planning for high renewable energy-based isolated microgrid considering cost of energy storage and demand response strategies. Energy Conversion and Management, 2020, 215, 112917.	4.4	118
134	Optimal Operation of Resilient Microgrids During Grid Outages. , 2020, , .		5
135	Determining Optimal Tilt Angle to Maximize the PV Yield. , 2020, , .		3
136	Multi-objective optimization of optimal capacitor allocation in radial distribution systems. International Journal of Emerging Electric Power Systems, 2020, 21, .	0.6	1
137	M-Shape PV Arrangement for Improving Solar Power Generation Efficiency. Applied Sciences (Switzerland), 2020, 10, 537.	1.3	7
138	Energy related implications for clean, livable, and smart Kabul: A policy recommendation for the energy sector and urban sector of Afghanistan. Journal of Sustainable Energy Revolution, 2020, 1, 16-19.	0.8	3
139	Green Building Efficiency and Sustainability Indicators. Advances in Civil and Industrial Engineering Book Series, 2020, , 128-145.	0.2	11
140	Empowering Developing Nations and Sustainable Development: Case Studies and Synthesis. , 2020, , .		1
141	Performance Evaluation of Probabilistic Methods Based on Bootstrap and Quantile Regression to Quantify PV Power Point Forecast Uncertainty. , 2020, , .		2
142	Deep Learning Ensemble Based New Approach for Very Short-Term Wind Power Forecasting. , 2020, , .		1
143	Load frequency control for renewable energy sources for isolated power system by introducing large scale PV and storage battery. Energy Reports, 2020, 6, 1597-1603.	2.5	14
144	An Optimal Techno-Economic Assessment under Transactive Energy Framework. , 2020, , .		0

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145	A Novel Demand Side Management by Minimizing Cost Deviation. Advances in Science, Technology and Engineering Systems, 2020, 5, 262-268.	0.4	0
146	Reliability Improvement of Radial Distribution System by Reconfiguration. Advances in Science, Technology and Engineering Systems, 2020, 5, 472-480.	0.4	3
147	Renewable Energy Power System Frequency Control by using PID controller and Genetic Algorithm. , 2020, , .		1
148	Optimal Installation of Battery Energy Storage with Wind Energy System in Distribution System. , 2020, , .		1
149	Optimal Control and Placement of Step Voltage Regulator for Voltage Unbalance Improvement and Loss Minimization in Distribution System. , 2020, , .		5
150	Short-term Unit Commitment Using Advanced Direct Load Control. , 2020, , .		0
151	Voltage Stability Analysis of Distribution Systems in the presence of Electric Vehicle Charging Stations with Uncoordinated Charging Scheme. , 2020, , .		4
152	Optimal Operation Planning for Renewable Energy and CCHP in Smart City. , 2020, , .		1
153	Optimal Sizing and Operation of Distributed Energy Resources in Micro-grid with Fuel Cells. , 2020, , .		0
154	Investigation on Reliability and Cost in the Presence of Electric Vehicle Charging Station. , 2020, , .		4
155	Fast quasi-static time-series analysis and reactive power control of unbalanced distribution systems. International Transactions on Electrical Energy Systems, 2019, 29, e2673.	1.2	17
156	Optimal Unit Commitment with Concentrated Solar Power and Thermal Energy Storage in Afghanistan Electrical System. International Journal of Emerging Electric Power Systems, 2019, 20, .	0.6	4
157	Comparison Approach for Reducing â€œDemand Response of Consumersâ€•and â€œCost of Utility Companiesâ€• , 2019, , .		0
158	A Real Distribution Network Voltage Regulation Incorporating Auto-Tap-Changer Pole Transformer Multiobjective Optimization. Applied Sciences (Switzerland), 2019, 9, 2813.	1.3	9
159	Stochastic Unit Commitment and Optimal Power Trading Incorporating PV Uncertainty. Sustainability, 2019, 11, 4504.	1.6	7
160	Efficient Energy-Management System Using A Hybrid Transactive-Model Predictive Control Mechanism for Prosumer-Centric Networked Microgrids. Sustainability, 2019, 11, 5436.	1.6	7
161	Optimal Consumer Efforts and Operational Costs Based Analysis for a Smart Grid. Electric Power Components and Systems, 2019, 47, 1203-1217.	1.0	3
162	Independent Energy Storage Systems can Minimize Uncertainty of Profit for Retailers in ISO Market. , 2019, , .		1

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163	A MODA and MODE Comparison for Optimal Allocation of Distributed Generations with Different Load Levels. Sustainability, 2019, 11, 5323.	1.6	7
164	The Road Ahead for Municipal Solid Waste Management in the 21st Century: A Novel-standardized Simulated Paradigm. IOP Conference Series: Earth and Environmental Science, 2019, 291, 012009.	0.2	14
165	A sustainable microgrid: A sustainability and management-oriented approach. Energy Procedia, 2019, 159, 160-167.	1.8	26
166	Multi-Objective Optimal Capacity Planning for 100% Renewable Energy-Based Microgrid Incorporating Cost of Demand-Side Flexibility Management. Applied Sciences (Switzerland), 2019, 9, 3855.	1.3	24
167	A Multi-Objective Framework to Improve Voltage Stability in A Distribution Network. International Journal of Emerging Electric Power Systems, 2019, 20, .	0.6	8
168	An Economic Analysis of Demand Side Management Considering Interruptible Load and Renewable Energy Integration: A Case Study of Freetown Sierra Leone. Sustainability, 2019, 11, 2828.	1.6	21
169	Optimum Capacity and Placement of Storage Batteries Considering Photovoltaics. Sustainability, 2019, 11, 2556.	1.6	9
170	A novel transdisciplinary paradigm for municipal solid waste to energy. Journal of Cleaner Production, 2019, 233, 880-892.	4.6	35
171	Optimal Sizing of Multiple Renewable Energy Resources and PV Inverter Reactive Power Control Encompassing Environmental, Technical, and Economic Issues. IEEE Systems Journal, 2019, 13, 3026-3037.	2.9	40
172	Microgrid Planning and Design: Resilience to Sustainability. , 2019, , .		25
173	A Multi-Criteria Decision Maker for Grid-Connected Hybrid Renewable Energy Systems Selection Using Multi-Objective Particle Swarm Optimization. Sustainability, 2019, 11, 1188.	1.6	44
174	Security-constrained optimal utility-scale solar PV investment planning for weak grids: Short reviews and techno-economic analysis. Applied Energy, 2019, 245, 16-30.	5.1	31
175	A Recap of Voltage Stability Indices in the Past Three Decades. Energies, 2019, 12, 1544.	1.6	64
176	Static voltage stability improvement with battery energy storage considering optimal control of active and reactive power injection. Electric Power Systems Research, 2019, 172, 303-312.	2.1	48
177	Optimal multiâ€configuration and allocation of SVR, capacitor, centralised wind farm, and energy storage system: a multiâ€objective approach in a real distribution network. IET Renewable Power Generation, 2019, 13, 762-773.	1.7	30
178	Soft computing approaches for next-generation sustainable systems (SCNGS). Soft Computing, 2019, 23, 2483-2483.	2.1	1
179	Low-Voltage Solid-State DC Breaker for Fault Protection Applications in Isolated DC Microgrid Cluster. Applied Sciences (Switzerland), 2019, 9, 723.	1.3	25
180	Frequency control approach by controlling output power of renewable energy sources considering the priority of power adjustment. , 2019, , .		0

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181	Data Fusion Based Hybrid Deep Neural Network Method for Solar PV Power Forecasting. , 2019, , .		7
182	Online Parameter identification of PMSG Wind turbine for Output Power control. , 2019, , .		0
183	Voltage Security-Constrained Optimal Generation Rescheduling for Available Transfer Capacity Enhancement in Deregulated Electricity Markets. Energies, 2019, 12, 4371.	1.6	5
184	Fault Ride-Through Capability Enhancement For Grid-Connected Permanent Magnet Synchronous Generator Driven by Wind Turbines. , 2019, , .		15
185	Assessing the Techno-Economic Benefits of Flexible Demand Resources Scheduling for Renewable Energyâ€"Based Smart Microgrid Planning. Future Internet, 2019, 11, 219.	2.4	13
186	Multi-Objective Optimization of a Stand-alone Hybrid PV/wind/battery/diesel Micro-grid. , 2019, , .		5
187	Solar PV Power Prediction Using A New Approach Based on Hybrid Deep Neural Network. , 2019, , .		14
188	Demand-side Fuel-cells and Controllable Loads to Reduce Operational Costs of Micro-grid through Optimal Unit Commitment. , 2019, , .		3
189	Optimal Scheduling Method of Controllable Loads in Smart Home Considering Re-Forecast and Re-Plan for Uncertainties. Applied Sciences (Switzerland), 2019, 9, 4064.	1.3	2
190	Meta-Heuristic BPSO Based Voltage Profile Enhancement in Radial Distribution System Through Network Reconfiguration. International Journal of Emerging Electric Power Systems, 2019, 20, .	0.6	2
191	Optimal Allocation of Hybrid Renewable Energy System by Multi-Objective Water Cycle Algorithm. Sustainability, 2019, 11, 6550.	1.6	24
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193	Technical and economic performance evaluation for efficient capacitors sizing and placement in a real distribution network. , 2019, , .		4
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