

Tomonobu Senjyu

List of Publications by Year in descending order

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640
papers

13,130
citations

31949

53
h-index

42364

92
g-index

652
all docs

652
docs citations

652
times ranked

7942
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural-network-based maximum-power-point tracking of coupled-inductor interleaved-boost-converter-supplied pv system using fuzzy controller. IEEE Transactions on Industrial Electronics, 2003, 50, 749-758.	5.2	430
2	Output Power Leveling of Wind Turbine Generator for All Operating Regions by Pitch Angle Control. IEEE Transactions on Energy Conversion, 2006, 21, 467-475.	3.7	402
3	Optimal Distribution Voltage Control and Coordination With Distributed Generation. IEEE Transactions on Power Delivery, 2008, 23, 1236-1242.	2.9	354
4	A fast technique for unit commitment problem by extended priority list. IEEE Transactions on Power Systems, 2003, 18, 882-888.	4.6	342
5	A Coordinated Control Method to Smooth Wind Power Fluctuations of a PMSG-Based WECS. IEEE Transactions on Energy Conversion, 2011, 26, 550-558.	3.7	281
6	One-hour-ahead load forecasting using neural network. IEEE Transactions on Power Systems, 2002, 17, 113-118.	4.6	256
7	A Frequency-Control Approach by Photovoltaic Generator in a PV" Diesel Hybrid Power System. IEEE Transactions on Energy Conversion, 2011, 26, 559-571.	3.7	230
8	Photocatalytic Applications of Metal Oxides for Sustainable Environmental Remediation. Metals, 2021, 11, 80.	1.0	204
9	Output Levelling of Renewable Energy by Electric Double-Layer Capacitor Applied for Energy Storage System. IEEE Transactions on Energy Conversion, 2006, 21, 221-227.	3.7	197
10	Fuzzy Control of Distributed PV Inverters/Energy Storage Systems/Electric Vehicles for Frequency Regulation in a Large Power System. IEEE Transactions on Smart Grid, 2013, 4, 479-488.	6.2	191
11	A Coordinated Control Method for Leveling PV Output Power Fluctuations of PV" Diesel Hybrid Systems Connected to Isolated Power Utility. IEEE Transactions on Energy Conversion, 2009, 24, 153-162.	3.7	183
12	A Novel Approach to Forecast Electricity Price for PJM Using Neural Network and Similar Days Method. IEEE Transactions on Power Systems, 2007, 22, 2058-2065.	4.6	181
13	A Hybrid Smart AC/DC Power System. IEEE Transactions on Smart Grid, 2010, 1, 199-204.	6.2	177
14	Neural networks approach to forecast several hour ahead electricity prices and loads in deregulated market. Energy Conversion and Management, 2006, 47, 2128-2142.	4.4	171
15	Determination Method of Insolation Prediction With Fuzzy and Applying Neural Network for Long-Term Ahead PV Power Output Correction. IEEE Transactions on Sustainable Energy, 2013, 4, 527-533.	5.9	153
16	Optimal configuration of power generating systems in isolated island with renewable energy. Renewable Energy, 2007, 32, 1917-1933.	4.3	151
17	A neural network based several-hour-ahead electric load forecasting using similar days approach. International Journal of Electrical Power and Energy Systems, 2006, 28, 367-373.	3.3	150
18	A review of output power smoothing methods for wind energy conversion systems. Renewable and Sustainable Energy Reviews, 2013, 26, 135-146.	8.2	150

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19	Adaptive Dead-Time Compensation Strategy for Permanent Magnet Synchronous Motor Drive. IEEE Transactions on Energy Conversion, 2007, 22, 271-280.	3.7	143
20	A Systematic Review of Metal Oxide Applications for Energy and Environmental Sustainability. Metals, 2020, 10, 1604.	1.0	120
21	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
22	Notice of Violation of IEEE Publication Principles: A Hybrid ARIMA and Neural Network Model for Short-Term Price Forecasting in Deregulated Market. IEEE Transactions on Power Systems, 2010, 25, 524-530.	4.6	113
23	Next Day Load Curve Forecasting Using Hybrid Correction Method. IEEE Transactions on Power Systems, 2005, 20, 102-109.	4.6	108
24	New sensorless control for brushless DC motors using disturbance observers and adaptive velocity estimations. IEEE Transactions on Industrial Electronics, 1998, 45, 274-282.	5.2	106
25	A novel calculation method for iron loss resistance suitable in modeling permanent-magnet synchronous motors. IEEE Transactions on Energy Conversion, 2003, 18, 41-47.	3.7	106
26	Frequency control in isolated island by using parallel operated battery systems applying H ∞ control theory based on droop characteristics. IET Renewable Power Generation, 2011, 5, 160.	1.7	92
27	Emerging solution of large-scale unit commitment problem by Stochastic Priority List. Electric Power Systems Research, 2006, 76, 283-292.	2.1	91
28	Fuzzy Unit Commitment Scheduling Using Absolutely Stochastic Simulated Annealing. IEEE Transactions on Power Systems, 2006, 21, 955-964.	4.6	86
29	Optimal Operation by Controllable Loads Based on Smart Grid Topology Considering Insolation Forecasted Error. IEEE Transactions on Smart Grid, 2011, 2, 438-444.	6.2	85
30	A new strategy for predicting short-term wind speed using soft computing models. Renewable and Sustainable Energy Reviews, 2012, 16, 4563-4573.	8.2	79
31	Optimum Configuration for Renewable Generating Systems in Residence Using Genetic Algorithm. IEEE Transactions on Energy Conversion, 2006, 21, 459-466.	3.7	78
32	Optimum design of hybrid wind/PV energy system for remote area. Ain Shams Engineering Journal, 2020, 11, 11-23.	3.5	75
33	Position control of ultrasonic motors using MRAC and dead-zone compensation with fuzzy inference. IEEE Transactions on Power Electronics, 2002, 17, 265-272.	5.4	73
34	Application of Recurrent Neural Network to Short-Term-Ahead Generating Power Forecasting for Photovoltaic System. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	73
35	Optimal Voltage Control Using Inverters Interfaced With PV Systems Considering Forecast Error in a Distribution System. IEEE Transactions on Sustainable Energy, 2014, 5, 682-690.	5.9	72
36	Optimal voltage control in distribution systems using PV generators. International Journal of Electrical Power and Energy Systems, 2011, 33, 485-492.	3.3	71

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37	A comprehensive review of low voltage ride through capability strategies for the wind energy conversion systems. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 56, 643-658.	8.2	71
38	Optimal Thermal Unit Commitment for Solving Duck Curve Problem by Introducing CSP, PSH and Demand Response. <i>IEEE Access</i> , 2018, 6, 4834-4844.	2.6	69
39	Optimum coordination of centralized and distributed renewable power generation incorporating battery storage system into the electric distribution network. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 125, 106458.	3.3	66
40	Optimal operation of DC smart house system by controllable loads based on smart grid topology. <i>Renewable Energy</i> , 2012, 39, 132-139.	4.3	65
41	Operation of conventional and unconventional energy sources to drive a reverse osmosis desalination plant in Sinai Peninsula, Egypt. <i>Renewable Energy</i> , 2020, 145, 141-152.	4.3	65
42	Application of Neural Network to One-Day-Ahead 24 hours Generating Power Forecasting for Photovoltaic System. , 2007, , .		64
43	Gain scheduling control of variable speed WTC under widely varying turbulence loading. <i>Renewable Energy</i> , 2007, 32, 2407-2423.	4.3	64
44	A Recap of Voltage Stability Indices in the Past Three Decades. <i>Energies</i> , 2019, 12, 1544.	1.6	64
45	Application of Neural Network to 24-hours-Ahead Generating Power Forecasting for PV System. <i>IEEE Transactions on Power and Energy</i> , 2008, 128, 33-39.	0.1	63
46	Gain-Scheduled \mathcal{H}_∞ Control for WECS via LMI Techniques and Parametrically Dependent Feedback Part II: Controller Design and Implementation. <i>IEEE Transactions on Industrial Electronics</i> , 2011, 58, 57-65.	5.2	63
47	LQG Design for Megawatt-Class WECS With DFIG Based on Functional Models' Fidelity Prerequisites. <i>IEEE Transactions on Energy Conversion</i> , 2009, 24, 893-904.	3.7	62
48	A Bi-Level Evolutionary Optimization for Coordinated Transmission Expansion Planning. <i>IEEE Access</i> , 2018, 6, 48455-48477.	2.6	60
49	A managed framework for energy-efficient building. <i>Journal of Building Engineering</i> , 2019, 21, 120-128.	1.6	59
50	A developed control strategy for mitigating wind power generation transients using superconducting magnetic energy storage with reactive power support. <i>International Journal of Electrical Power and Energy Systems</i> , 2016, 83, 485-494.	3.3	58
51	Wind velocity and rotor position sensorless maximum power point tracking control for wind generation system. <i>Renewable Energy</i> , 2006, 31, 1764-1775.	4.3	57
52	A minimal order observer based frequency control strategy for an integrated wind-battery-diesel power system. <i>Energy</i> , 2012, 46, 168-178.	4.5	57
53	Sensor-less maximum power point tracking control for wind generation system with squirrel cage induction generator. <i>Renewable Energy</i> , 2009, 34, 994-999.	4.3	56
54	Performance Evaluation of Probabilistic Methods Based on Bootstrap and Quantile Regression to Quantify PV Power Point Forecast Uncertainty. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 1134-1144.	7.2	55

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55	Nature-inspired algorithms for feed-forward neural network classifiers: A survey of one decade of research. <i>Ain Shams Engineering Journal</i> , 2020, 11, 659-675.	3.5	55
56	Optimal and economic operation of microgrids to leverage resilience benefits during grid outages. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 132, 107137.	3.3	55
57	Multi objective unit commitment with voltage stability and PV uncertainty. <i>Applied Energy</i> , 2018, 228, 618-623.	5.1	54
58	A robust controller based frequency control approach using the wind-battery coordination strategy in a small power system. <i>International Journal of Electrical Power and Energy Systems</i> , 2014, 58, 190-198.	3.3	53
59	Optimal capacity and expansion planning methodology of PV and battery in smart house. <i>Renewable Energy</i> , 2014, 69, 25-33.	4.3	53
60	Challenges and prospects of Nigeria's sustainable energy transition with lessons from other countries' experiences. <i>Energy Reports</i> , 2020, 6, 993-1009.	2.5	53
61	Relationship of Parallel Model and Series Model for Permanent Magnet Synchronous Motors Taking Iron Loss Into Account. <i>IEEE Transactions on Energy Conversion</i> , 2004, 19, 265-270.	3.7	52
62	Unit commitment strategy of thermal generators by using advanced fuzzy controlled binary particle swarm optimization algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , 2012, 43, 1072-1080.	3.3	52
63	Intelligent Economic Operation of Smart-Grid Facilitating Fuzzy Advanced Quantum Evolutionary Method. <i>IEEE Transactions on Sustainable Energy</i> , 2013, 4, 905-916.	5.9	52
64	Analysis of Techno-Economic-Environmental Suitability of an Isolated Microgrid System Located in a Remote Island of Bangladesh. <i>Sustainability</i> , 2020, 12, 2880.	1.6	52
65	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. <i>Energies</i> , 2021, 14, 8046.	1.6	51
66	Output power control of wind turbine generator by pitch angle control using minimum variance control. <i>Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi)</i> , 2006, 154, 10-18.	0.2	49
67	Application of neural network to 24-hour-ahead generating power forecasting for PV system. , 2008, , .		49
68	Control of a Stand-Alone Variable Speed Wind Energy Supply System. <i>Applied Sciences (Switzerland)</i> , 2013, 3, 437-456.	1.3	49
69	Control strategy for a distributed DC power system with renewable energy. <i>Renewable Energy</i> , 2011, 36, 42-49.	4.3	48
70	Static voltage stability improvement with battery energy storage considering optimal control of active and reactive power injection. <i>Electric Power Systems Research</i> , 2019, 172, 303-312.	2.1	48
71	Islanding operation scheme for DC microgrid utilizing pseudo Droop control of photovoltaic system. <i>Energy for Sustainable Development</i> , 2020, 55, 95-104.	2.0	48
72	A Comparative Design of a Campus Microgrid Considering a Multi-Scenario and Multi-Objective Approach. <i>Energies</i> , 2021, 14, 2853.	1.6	45

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73	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
74	Application of Recurrent Neural Network to Long-Term-Ahead Generating Power Forecasting for Wind Power Generator. , 2006, , .		43
75	An integrated control method for a wind farm to reduce frequency deviations in a small power system. Applied Energy, 2011, 88, 1049-1058.	5.1	43
76	Distributed generation integrated with thermal unit commitment considering demand response for energy storage optimization of smart grid. Renewable Energy, 2016, 99, 107-117.	4.3	42
77	Control strategy of PMSC based wind energy conversion system under strong wind conditions. Energy for Sustainable Development, 2018, 45, 211-218.	2.0	42
78	Investigation of influences of various losses on electromagnetic torque for surface-mounted permanent magnet synchronous motors. IEEE Transactions on Power Electronics, 2003, 18, 131-139.	5.4	41
79	Assessment of reactive power contribution of photovoltaic energy systems on voltage profile and stability of distribution systems. International Journal of Electrical Power and Energy Systems, 2014, 61, 665-672.	3.3	41
80	Modeling and vector control of synchronous reluctance motors including stator iron loss. IEEE Transactions on Industry Applications, 1994, 30, 971-976.	3.3	40
81	Optimal Thermal Unit Commitment Integrated with Renewable Energy Sources Using Advanced Particle Swarm Optimization. IEJ Transactions on Electrical and Electronic Engineering, 2009, 4, 609-617.	0.8	40
82	A Novel Hybrid Approach Based on Wavelet Transform and Fuzzy ARTMAP Networks for Predicting Wind Farm Power Production. IEEE Transactions on Industry Applications, 2013, 49, 2253-2261.	3.3	40
83	An Integrated Power Smoothing Control for a Grid-Interactive Wind Farm Considering Wake Effects. IEEE Systems Journal, 2015, 9, 954-965.	2.9	40
84	Critical Boundary Index (CBI) based on active and reactive power deviations. International Journal of Electrical Power and Energy Systems, 2018, 100, 50-57.	3.3	40
85	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
86	Green Synthesis of Silver Oxide Nanoparticles for Photocatalytic Environmental Remediation and Biomedical Applications. Metals, 2022, 12, 769.	1.0	40
87	Photovoltaic Output Power Fluctuations Smoothing by Selecting Optimal Capacity of Battery for a Photovoltaic-Diesel Hybrid System. Electric Power Components and Systems, 2011, 39, 621-644.	1.0	39
88	A fuzzy based method for leveling output power fluctuations of photovoltaic-diesel hybrid power system. Renewable Energy, 2011, 36, 1693-1703.	4.3	39
89	Optimal sizing and placement of rooftop solar photovoltaic at Kabul city real distribution network. IET Generation, Transmission and Distribution, 2018, 12, 303-309.	1.4	39
90	Augmented LQG controller for enhancement of online dynamic performance for WTC system. Renewable Energy, 2008, 33, 1942-1952.	4.3	38

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91	Optimal voltage control in distribution systems with coordination of distribution installations. International Journal of Electrical Power and Energy Systems, 2010, 32, 1125-1134.	3.3	38
92	Design and Implement a Digital H ∞ Robust Controller for a MW-Class PMSG-Based Grid-Interactive Wind Energy Conversion System. Energies, 2013, 6, 2084-2109.	1.6	38
93	Distributed generation incorporated with the thermal generation for optimum operation of a smart grid considering forecast error. Energy Conversion and Management, 2015, 96, 303-314.	4.4	38
94	A technique for unit commitment with energy storage system. International Journal of Electrical Power and Energy Systems, 2007, 29, 91-98.	3.3	37
95	Afghanistan's aspirations for energy independence: Water resources and hydropower energy. Renewable Energy, 2017, 113, 1276-1287.	4.3	36
96	A novel transdisciplinary paradigm for municipal solid waste to energy. Journal of Cleaner Production, 2019, 233, 880-892.	4.6	35
97	Distributed Generators Optimization Based on Multi-Objective Functions Using Manta Rays Foraging Optimization Algorithm (MRFO). Energies, 2020, 13, 3847.	1.6	35
98	A strategic-integrated approach for sustainable energy deployment. Energy Reports, 2020, 6, 40-44.	2.5	34
99	A coherent strategy for peak load shaving using energy storage systems. Journal of Energy Storage, 2020, 32, 101823.	3.9	33
100	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
101	Gain-Scheduled H_{∞} Control for WECS via LMI Techniques and Parametrically Dependent Feedback Part I: Model Development Fundamentals. IEEE Transactions on Industrial Electronics, 2011, 58, 48-56.	5.2	32
102	Control Strategies for Wind-Farm-Based Smart Grid System. IEEE Transactions on Industry Applications, 2014, 50, 3591-3601.	3.3	32
103	A New Stage in the Evolution of Cryptocurrency Markets: Analysis by Hurst Method. , 2021, , 35-45.		32
104	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
105	Multiobjective mix generation planning considering utility-scale solar PV system and voltage stability: Nigerian case study. Electric Power Systems Research, 2019, 168, 269-282.	2.1	31
106	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
107	Position control of ultrasonic motors using MRAC with dead-zone compensation. IEEE Transactions on Industrial Electronics, 2001, 48, 1278-1285.	5.2	30
108	Optimization of economic load dispatch of higher order general cost polynomials and its sensitivity using modified particle swarm optimization. Electric Power Systems Research, 2009, 79, 98-106.	2.1	30

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109	A Frequency Control Approach for Hybrid Power System Using Multi-Objective Optimization. <i>Energies</i> , 2017, 10, 80.	1.6	30
110	Optimal multi-objective configuration and allocation of SVR, capacitor, centralised wind farm, and energy storage system: a multi-objective approach in a real distribution network. <i>IET Renewable Power Generation</i> , 2019, 13, 762-773.	1.7	30
111	A Forefront Framework for Sustainable Aquaponics Modeling and Design. <i>Sustainability</i> , 2021, 13, 9313.	1.6	30
112	Predicting Volatility Index According to Technical Index and Economic Indicators on the Basis of Deep Learning Algorithm. <i>Sustainability</i> , 2021, 13, 14011.	1.6	30
113	A Review of Voltage Stability Assessment Techniques with an Improved Voltage Stability Indicator. <i>International Journal of Emerging Electric Power Systems</i> , 2015, 16, 107-115.	0.6	29
114	A Hybrid Fault Recognition Algorithm Using Stockwell Transform and Wigner Distribution Function for Power System Network with Solar Energy Penetration. <i>Energies</i> , 2020, 13, 3519.	1.6	28
115	Impact of Time-of-Use Demand Response Program on Optimal Operation of Afghanistan Real Power System. <i>Energies</i> , 2022, 15, 296.	1.6	28
116	A Control Method for Small Utility Connected Large PV System to Reduce Frequency Deviation Using a Minimal-Order Observer. <i>IEEE Transactions on Energy Conversion</i> , 2009, 24, 520-528.	3.7	27
117	Predictive Controller Based on Switching State Grouping for a Modular Multilevel Converter With Reduced Computational Time. <i>IEEE Transactions on Power Delivery</i> , 2017, 32, 2189-2198.	2.9	27
118	Centralised multi-objective integration of wind farm and battery energy storage system in real distribution network considering environmental, technical and economic perspective. <i>IET Generation, Transmission and Distribution</i> , 2019, 13, 5207-5217.	1.4	27
119	A sustainable microgrid: A sustainability and management-oriented approach. <i>Energy Procedia</i> , 2019, 159, 160-167.	1.8	26
120	A Contemporary Novel Classification of Voltage Stability Indices. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1639.	1.3	26
121	Enhancing the Power Quality of the Grid Interactive Solar Photovoltaic-Electric Vehicle System. <i>World Electric Vehicle Journal</i> , 2021, 12, 98.	1.6	26
122	Analysis of Hybrid Grid-Connected Renewable Power Generation for Sustainable Electricity Supply in Sierra Leone. <i>Sustainability</i> , 2021, 13, 11435.	1.6	26
123	Smart pricing scheme: A multi-layered scoring rule application. <i>Expert Systems With Applications</i> , 2014, 41, 3726-3735.	4.4	25
124	Microgrid Planning and Design: Resilience to Sustainability. , 2019, , .		25
125	Low-Voltage Solid-State DC Breaker for Fault Protection Applications in Isolated DC Microgrid Cluster. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 723.	1.3	25

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127	Solid-State DC Circuit Breakers and Their Comparison in Modular Multilevel Converter Based-HVDC Transmission System. <i>Electronics (Switzerland)</i> , 2021, 10, 1204.	1.8	25
128	Unit Commitment Computation - A Novel Fuzzy Adaptive Particle Swarm Optimization Approach. , 2006, , .		24
129	Fuzzy unit commitment solutionâ€™A novel twofold simulated annealing approach. <i>Electric Power Systems Research</i> , 2007, 77, 1699-1712.	2.1	24
130	Mathematical Model of Ultrasonic Motors for Speed Control. <i>Electric Power Components and Systems</i> , 2008, 36, 637-648.	1.0	24
131	Output power control for large wind power penetration in small power system. <i>Renewable Energy</i> , 2009, 34, 2334-2343.	4.3	24
132	Photovoltaic output power fluctuations smoothing methods for single and multiple PV generators. <i>Current Applied Physics</i> , 2010, 10, S265-S270.	1.1	24
133	Robust Load Frequency Control Schemes in Power System Using Optimized PID and Model Predictive Controllers. <i>Energies</i> , 2018, 11, 3070.	1.6	24
134	Hybrid Genetic Algorithm Fuzzy-Based Control Schemes for Small Power System with High-Penetration Wind Farms. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 373.	1.3	24
135	Multi-Objective Optimal Capacity Planning for 100% Renewable Energy-Based Microgrid Incorporating Cost of Demand-Side Flexibility Management. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3855.	1.3	24
136	Optimal Allocation of Hybrid Renewable Energy System by Multi-Objective Water Cycle Algorithm. <i>Sustainability</i> , 2019, 11, 6550.	1.6	24
137	Controlled V2Gs and battery integration into residential microgrids: Economic and environmental impacts. <i>Energy Conversion and Management</i> , 2022, 253, 115171.	4.4	24
138	Investigation of Home Energy Management with Advanced Direct Load Control and Optimal Scheduling of Controllable Loads. <i>Energies</i> , 2021, 14, 7314.	1.6	23
139	Output Power Leveling of Wind Turbine Generator by Pitch Angle Control Using H/sub /spl infin// Control. , 2006, , .		22
140	Output power leveling of wind turbine generator by pitch angle control usingHâˆž control. <i>Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi)</i> , 2008, 162, 17-24.	0.2	22
141	Frequency control by coordination control of WTG and battery using load estimation. , 2009, , .		22
142	Enhancement of a Small Power System Performance Using Multi-Objective Optimization. <i>IEEE Access</i> , 2017, 5, 6212-6224.	2.6	22
143	Optimization of Voltage Unbalance Compensation by Smart Inverter. <i>Energies</i> , 2020, 13, 4623.	1.6	22
144	A Multi-Objective Optimization Approach towards a Proposed Smart Apartment with Demand-Response in Japan. <i>Energies</i> , 2020, 13, 127.	1.6	22

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145	Wind Velocity and Position Sensor-less Operation for PMSG Wind Generator. IEEJ Transactions on Power and Energy, 2003, 123, 1531-1538.	0.1	22
146	Generating Power Leveling of Renewable Energy for Small Power System in Isolated Island. IEEJ Transactions on Power and Energy, 2005, 125, 1209-1215.	0.1	22
147	A high quality power supply system with DC smart grid. , 2010, , .		21
148	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
149	Energy Storage System Analysis Review for Optimal Unit Commitment. Energies, 2020, 13, 158.	1.6	21
150	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
151	A new strategy to quantify uncertainties of wavelet-GRNN-PSO based solar PV power forecasts using bootstrap confidence intervals. , 2015, , .		20
152	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
153	Multi-Energy Microgrids Incorporating EV Integration: Optimal Design and Resilient Operation. IEEE Transactions on Smart Grid, 2022, 13, 3508-3518.	6.2	20
154	Decentralized voltage control in distribution system using neural network. , 2008, , .		19
155	Operation strategies for stability of gearless wind power generation systems. , 2008, , .		19
156	Output Power Leveling of Wind Farm Using Pitch-angle Control with Fuzzy Neural Network. Electric Power Components and Systems, 2008, 36, 1048-1066.	1.0	19
157	Frequency and voltage control of small power systems by decentralized controllable loads. , 2009, , .		19
158	A new recursive neural network algorithm to forecast electricity price for PJM day-ahead market. International Journal of Energy Research, 2010, 34, 507-522.	2.2	19
159	Pre-design and life cycle cost analysis of a hybrid power system for rural and remote communities in Afghanistan. Journal of Engineering, 2014, 2014, 438-444.	0.6	19
160	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
161	Multi-variant differential evolution algorithm for feature selection. Scientific Reports, 2020, 10, 17261.	1.6	19
162	Energy Management System Optimization of Drug Store Electric Vehicles Charging Station Operation. Sustainability, 2021, 13, 6163.	1.6	19

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163	A study on optimum capacity of battery energy storage system for wind farm operation with wind power forecast data. , 2012, , .		18
164	Comparison and Validation of Operational Cost in Smart Houses with the Introduction of a Heat Pump or a Gas Engine. International Journal of Emerging Electric Power Systems, 2015, 16, 59-74.	0.6	18
165	Study on Optimum Capacity of Battery Energy Storage System for Wind Power Generator. IEEJ Transactions on Power and Energy, 2008, 128, 321-327.	0.1	18
166	Economic Emission Load Dispatch Problem with Valve-Point Loading Using a Novel Quasi-Operational-Based Political Optimizer. Electronics (Switzerland), 2021, 10, 2596.	1.8	18
167	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
168	Notice of Violation of IEEE Publication Principles: LFC by coordinated virtual inertia mimicking and PEVs in power utility with MW-class distributed PV generation. , 2012, , .		17
169	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
170	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
171	A Brief Survey on Important Interconnection Standards for Photovoltaic Systems and Electric Vehicles. World Electric Vehicle Journal, 2021, 12, 117.	1.6	17
172	Output Power Control of Wind Turbine Generator by Pitch Angle Control using Minimum Variance Control. IEEJ Transactions on Power and Energy, 2004, 124, 1455-1462.	0.1	16
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