

Tomonobu Senjyu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

529
papers

8,647
citations

45
h-index

77
g-index

652
ext. papers

11,044
ext. citations

3.3
avg, IF

6.56
L-index

#	Paper	IF	Citations
529	Neural-network-based maximum-power-point tracking of coupled-inductor interleaved-boost-converter-supplied PV system using fuzzy controller. <i>IEEE Transactions on Industrial Electronics</i> , 2003 , 50, 749-758	8.9	323
528	Output power leveling of wind turbine Generator for all operating regions by pitch angle control. <i>IEEE Transactions on Energy Conversion</i> , 2006 , 21, 467-475	5.4	301
527	A fast technique for unit commitment problem by extended priority list. <i>IEEE Transactions on Power Systems</i> , 2003 , 18, 882-888	7	289
526	Optimal Distribution Voltage Control and Coordination With Distributed Generation. <i>IEEE Transactions on Power Delivery</i> , 2008 , 23, 1236-1242	4.3	285
525	One-hour-ahead load forecasting using neural network. <i>IEEE Transactions on Power Systems</i> , 2002 , 17, 113-118	7	199
524	A Coordinated Control Method to Smooth Wind Power Fluctuations of a PMSG-Based WECS. <i>IEEE Transactions on Energy Conversion</i> , 2011 , 26, 550-558	5.4	195
523	A Frequency-Control Approach by Photovoltaic Generator in a PVDiesel Hybrid Power System. <i>IEEE Transactions on Energy Conversion</i> , 2011 , 26, 559-571	5.4	157
522	Output levelling of renewable energy by electric double-layer capacitor applied for energy storage system. <i>IEEE Transactions on Energy Conversion</i> , 2006 , 21, 221-227	5.4	156
521	A Novel Approach to Forecast Electricity Price for PJM Using Neural Network and Similar Days Method. <i>IEEE Transactions on Power Systems</i> , 2007 , 22, 2058-2065	7	141
520	Fuzzy Control of Distributed PV Inverters/Energy Storage Systems/Electric Vehicles for Frequency Regulation in a Large Power System. <i>IEEE Transactions on Smart Grid</i> , 2013 , 4, 479-488	10.7	139
519	A Coordinated Control Method for Leveling PV Output Power Fluctuations of PVDiesel Hybrid Systems Connected to Isolated Power Utility. <i>IEEE Transactions on Energy Conversion</i> , 2009 , 24, 153-162	5.4	136
518	A Hybrid Smart AC/DC Power System. <i>IEEE Transactions on Smart Grid</i> , 2010 , 1, 199-204	10.7	132
517	Neural networks approach to forecast several hour ahead electricity prices and loads in deregulated market. <i>Energy Conversion and Management</i> , 2006 , 47, 2128-2142	10.6	127
516	Optimal configuration of power generating systems in isolated island with renewable energy. <i>Renewable Energy</i> , 2007 , 32, 1917-1933	8.1	121
515	A neural network based several-hour-ahead electric load forecasting using similar days approach. <i>International Journal of Electrical Power and Energy Systems</i> , 2006 , 28, 367-373	5.1	108
514	Determination Method of Insolation Prediction With Fuzzy and Applying Neural Network for Long-Term Ahead PV Power Output Correction. <i>IEEE Transactions on Sustainable Energy</i> , 2013 , 4, 527-533	8.2	104
513	Adaptive Dead-Time Compensation Strategy for Permanent Magnet Synchronous Motor Drive. <i>IEEE Transactions on Energy Conversion</i> , 2007 , 22, 271-280	5.4	103

512	A review of output power smoothing methods for wind energy conversion systems. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 26, 135-146	16.2	97
511	Notice of Violation of IEEE Publication Principles: A Hybrid ARIMA and Neural Network Model for Short-Term Price Forecasting in Deregulated Market. <i>IEEE Transactions on Power Systems</i> , 2010 , 25, 524-530	7.30	84
510	Next day load curve forecasting using hybrid correction method. <i>IEEE Transactions on Power Systems</i> , 2005 , 20, 102-109	7	81
509	New sensorless control for brushless DC motors using disturbance observers and adaptive velocity estimations. <i>IEEE Transactions on Industrial Electronics</i> , 1998 , 45, 274-282	8.9	80
508	Photocatalytic Applications of Metal Oxides for Sustainable Environmental Remediation. <i>Metals</i> , 2021 , 11, 80	2.3	78
507	A novel calculation method for iron loss resistance suitable in modeling permanent-magnet synchronous motors. <i>IEEE Transactions on Energy Conversion</i> , 2003 , 18, 41-47	5.4	74
506	Frequency control in isolated island by using parallel operated battery systems applying H _∞ control theory based on droop characteristics. <i>IET Renewable Power Generation</i> , 2011 , 5, 160	2.9	72
505	Fuzzy unit commitment scheduling using absolutely stochastic simulated annealing. <i>IEEE Transactions on Power Systems</i> , 2006 , 21, 955-964	7	72
504	Emerging solution of large-scale unit commitment problem by Stochastic Priority List. <i>Electric Power Systems Research</i> , 2006 , 76, 283-292	3.5	72
503	A new strategy for predicting short-term wind speed using soft computing models. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 4563-4573	16.2	68
502	A Systematic Review of Metal Oxide Applications for Energy and Environmental Sustainability. <i>Metals</i> , 2020 , 10, 1604	2.3	67
501	Optimal voltage control in distribution systems using PV generators. <i>International Journal of Electrical Power and Energy Systems</i> , 2011 , 33, 485-492	5.1	62
500	Optimum configuration for renewable generating systems in residence using genetic algorithm. <i>IEEE Transactions on Energy Conversion</i> , 2006 , 21, 459-466	5.4	59
499	Optimal Operation by Controllable Loads Based on Smart Grid Topology Considering Insolation Forecasted Error. <i>IEEE Transactions on Smart Grid</i> , 2011 , 2, 438-444	10.7	58
498	Optimal operation of DC smart house system by controllable loads based on smart grid topology. <i>Renewable Energy</i> , 2012 , 39, 132-139	8.1	56
497	Position control of ultrasonic motors using MRAC and dead-zone compensation with fuzzy inference. <i>IEEE Transactions on Power Electronics</i> , 2002 , 17, 265-272	7.2	55
496	Gain-Scheduled 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	8.9	53
495	Gain scheduling control of variable speed WTG under widely varying turbulence loading. <i>Renewable Energy</i> , 2007 , 32, 2407-2423	8.1	52

494	Application of Neural Network to One-Day-Ahead 24 hours Generating Power Forecasting for Photovoltaic System 2007 ,		52
493	A Bi-Level Evolutionary Optimization for Coordinated Transmission Expansion Planning. <i>IEEE Access</i> , 2018 , 6, 48455-48477	3.5	50
492	A minimal order observer based frequency control strategy for an integrated wind-battery-diesel power system. <i>Energy</i> , 2012 , 46, 168-178	7.9	49
491	Integrated approach for optimal techno-economic planning for high renewable energy-based isolated microgrid considering cost of energy storage and demand response strategies. <i>Energy Conversion and Management</i> , 2020 , 215, 112917	10.6	49
490	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	16.2	48
489	Application of Recurrent Neural Network to Short-Term-Ahead Generating Power Forecasting for Photovoltaic System. <i>IEEE Power Engineering Society General Meeting</i> , 2007 ,		48
488	Optimal Voltage Control Using Inverters Interfaced With PV Systems Considering Forecast Error in a Distribution System. <i>IEEE Transactions on Sustainable Energy</i> , 2014 , 5, 682-690	8.2	47
487	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	5.1	47
486	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	5.4	47
485	Sensor-less maximum power point tracking control for wind generation system with squirrel cage induction generator. <i>Renewable Energy</i> , 2009 , 34, 994-999	8.1	46
484	Optimal capacity and expansion planning methodology of PV and battery in smart house. <i>Renewable Energy</i> , 2014 , 69, 25-33	8.1	44
483	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	0.2	43
482	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	5.1	43
481	Optimum design of hybrid wind/PV energy system for remote area. <i>Ain Shams Engineering Journal</i> , 2020 , 11, 11-23	4.4	42
480	Optimal Thermal Unit Commitment for Solving Duck Curve Problem by Introducing CSP, PSH and Demand Response. <i>IEEE Access</i> , 2018 , 6, 4834-4844	3.5	41
479	A robust . <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 58, 190-198	5.1	40
478	An integrated control method for a wind farm to reduce frequency deviations in a small power system. <i>Applied Energy</i> , 2011 , 88, 1049-1058	10.7	40
477	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	0.4	40

476	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	5.4	40
475	Intelligent Economic Operation of Smart-Grid Facilitating Fuzzy Advanced Quantum Evolutionary Method. <i>IEEE Transactions on Sustainable Energy</i> , 2013 , 4, 905-916	8.2	38
474	Wind velocity and rotor position sensorless maximum power point tracking control for wind generation system. <i>Renewable Energy</i> , 2006 , 31, 1764-1775	8.1	38
473	A managed framework for energy-efficient building. <i>Journal of Building Engineering</i> , 2019 , 21, 120-128	5.2	38
472	Control strategy for a distributed DC power system with renewable energy. <i>Renewable Energy</i> , 2011 , 36, 42-49	8.1	37
471	Multi objective unit commitment with voltage stability and PV uncertainty. <i>Applied Energy</i> , 2018 , 228, 618-623	10.7	35
470	Control of a Stand-Alone Variable Speed Wind Energy Supply System. <i>Applied Sciences (Switzerland)</i> , 2013 , 3, 437-456	2.6	35
469	Photovoltaic Output Power Fluctuations Smoothing by Selecting Optimal Capacity of Battery for a Photovoltaic-Diesel Hybrid System. <i>Electric Power Components and Systems</i> , 2011 , 39, 621-644	1	33
468	A Comparative Design of a Campus Microgrid Considering a Multi-Scenario and Multi-Objective Approach. <i>Energies</i> , 2021 , 14, 2853	3.1	33
467	Assessment of reactive power contribution of photovoltaic energy systems on voltage profile and stability of distribution systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 61, 665-672	5.1	32
466	Optimal Thermal Unit Commitment Integrated with Renewable Energy Sources Using Advanced Particle Swarm Optimization. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2009 , 4, 609-617	1	32
465	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	3.1	32
464	A Recap of Voltage Stability Indices in the Past Three Decades. <i>Energies</i> , 2019 , 12, 1544	3.1	31
463	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	5.1	31
462	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	4.4	30
461	A Novel Hybrid Approach Based on Wavelet Transform and Fuzzy ARTMAP Networks for Predicting Wind Farm Power Production. <i>IEEE Transactions on Industry Applications</i> , 2013 , 49, 2253-2261	4.3	30
460	A fuzzy based method for leveling output power fluctuations of photovoltaic-diesel hybrid power system. <i>Renewable Energy</i> , 2011 , 36, 1693-1703	8.1	30
459	Investigation of influences of various losses on electromagnetic torque for surface-mounted permanent magnet synchronous motors. <i>IEEE Transactions on Power Electronics</i> , 2003 , 18, 131-139	7.2	30

458	. <i>IEEE Transactions on Industry Applications</i> , 1994 , 30, 971-976	4.3	30
457	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	8.1	30
456	Analysis of Techno-Economic-Environmental Suitability of an Isolated Microgrid System Located in a Remote Island of Bangladesh. <i>Sustainability</i> , 2020 , 12, 2880	3.6	29
455	Optimal voltage control in distribution systems with coordination of distribution installations. <i>International Journal of Electrical Power and Energy Systems</i> , 2010 , 32, 1125-1134	5.1	29
454	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	3.5	28
453	A Frequency Control Approach for Hybrid Power System Using Multi-Objective Optimization. <i>Energies</i> , 2017 , 10, 80	3.1	28
452	A technique for unit commitment with energy storage system. <i>International Journal of Electrical Power and Energy Systems</i> , 2007 , 29, 91-98	5.1	28
451	Distributed generation integrated with thermal unit commitment considering demand response for energy storage optimization of smart grid. <i>Renewable Energy</i> , 2016 , 99, 107-117	8.1	28
450	A Forefront Framework for Sustainable Aquaponics Modeling and Design. <i>Sustainability</i> , 2021 , 13, 9313	3.6	28
449	A Multi-Criteria Decision Maker for Grid-Connected Hybrid Renewable Energy Systems Selection Using Multi-Objective Particle Swarm Optimization. <i>Sustainability</i> , 2019 , 11, 1188	3.6	27
448	Distributed generation incorporated with the thermal generation for optimum operation of a smart grid considering forecast error. <i>Energy Conversion and Management</i> , 2015 , 96, 303-314	10.6	27
447	Optimization of economic load dispatch of higher order general cost polynomials and its sensitivity using modified particle swarm optimization. <i>Electric Power Systems Research</i> , 2009 , 79, 98-106	3.5	27
446	A New Stage in the Evolution of Cryptocurrency Markets: Analysis by Hurst Method 2021 , 35-45		27
445	Augmented LQG controller for enhancement of online dynamic performance for WTG system. <i>Renewable Energy</i> , 2008 , 33, 1942-1952	8.1	26
444	An Integrated Power Smoothing Control for a Grid-Interactive Wind Farm Considering Wake Effects. <i>IEEE Systems Journal</i> , 2015 , 9, 954-965	4.3	25
443	Challenges and prospects of Nigeria's sustainable energy transition with lessons from other countries' experiences. <i>Energy Reports</i> , 2020 , 6, 993-1009	4.6	25
442	Gain-Scheduled H_{∞} Control for WECS via LMI Techniques and Parametrically Dependent Feedback Part I: Model Development Fundamentals. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 48-56	8.9	25
441	Application of Recurrent Neural Network to Long-Term-Ahead Generating Power Forecasting for Wind Power Generator 2006 ,		24

440	Critical Boundary Index (CBI) based on active and reactive power deviations. <i>International Journal of Electrical Power and Energy Systems</i> , 2018 , 100, 50-57	5.1	23
439	Design and Implement a Digital H _∞ Robust Controller for a MW-Class PMSG-Based Grid-Interactive Wind Energy Conversion System. <i>Energies</i> , 2013 , 6, 2084-2109	3.1	23
438	Optimal Sizing of Multiple Renewable Energy Resources and PV Inverter Reactive Power Control Encompassing Environmental, Technical, and Economic Issues. <i>IEEE Systems Journal</i> , 2019 , 13, 3026-3037	4.3	22
437	Optimal sizing and placement of rooftop solar photovoltaic at Kabul city real distribution network. <i>IET Generation, Transmission and Distribution</i> , 2018 , 12, 303-309	2.5	22
436	Afghanistan's aspirations for energy independence: Water resources and hydropower energy. <i>Renewable Energy</i> , 2017 , 113, 1276-1287	8.1	22
435	Predicting Volatility Index According to Technical Index and Economic Indicators on the Basis of Deep Learning Algorithm. <i>Sustainability</i> , 2021 , 13, 14011	3.6	22
434	Control Strategies for Wind-Farm-Based Smart Grid System. <i>IEEE Transactions on Industry Applications</i> , 2014 , 50, 3591-3601	4.3	21
433	Output power control for large wind power penetration in small power system. <i>Renewable Energy</i> , 2009 , 34, 2334-2343	8.1	21
432	Photovoltaic output power fluctuations smoothing methods for single and multiple PV generators. <i>Current Applied Physics</i> , 2010 , 10, S265-S270	2.6	21
431	Position control of ultrasonic motors using MRAC with dead-zone compensation. <i>IEEE Transactions on Industrial Electronics</i> , 2001 , 48, 1278-1285	8.9	21
430	Multiobjective mix generation planning considering utility-scale solar PV system and voltage stability: Nigerian case study. <i>Electric Power Systems Research</i> , 2019 , 168, 269-282	3.5	21
429	A novel transdisciplinary paradigm for municipal solid waste to energy. <i>Journal of Cleaner Production</i> , 2019 , 233, 880-892	10.3	20
428	Security-constrained optimal utility-scale solar PV investment planning for weak grids: Short reviews and techno-economic analysis. <i>Applied Energy</i> , 2019 , 245, 16-30	10.7	20
427	Mathematical Model of Ultrasonic Motors for Speed Control. <i>Electric Power Components and Systems</i> , 2008 , 36, 637-648	1	20
426	A Frequency Control Approach by Decentralized Controllable Loads in Small Power Systems. <i>IEEE Transactions on Power and Energy</i> , 2009 , 129, 1074-1080	0.2	20
425	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	1.4	19
424	Fuzzy unit commitment solution: A novel twofold simulated annealing approach. <i>Electric Power Systems Research</i> , 2007 , 77, 1699-1712	3.5	19
423	Impact of Time-of-Use Demand Response Program on Optimal Operation of Afghanistan Real Power System. <i>Energies</i> , 2022 , 15, 296	3.1	19

422	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	10.3	19
421	Islanding operation scheme for DC microgrid utilizing pseudo Droop control of photovoltaic system. <i>Energy for Sustainable Development</i> , 2020 , 55, 95-104	5.4	18
420	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	5.4	18
419	Investigation of Home Energy Management with Advanced Direct Load Control and Optimal Scheduling of Controllable Loads. <i>Energies</i> , 2021 , 14, 7314	3.1	18
418	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	3.1	18
417	Enhancement of a Small Power System Performance Using Multi-Objective Optimization. <i>IEEE Access</i> , 2017 , 5, 6212-6224	3.5	17
416	A Multi-Objective Optimization Approach towards a Proposed Smart Apartment with Demand-Response in Japan. <i>Energies</i> , 2020 , 13, 127	3.1	17
415	Application of neural network to 24-hour-ahead generating power forecasting for PV system 2008 ,		17
414	Output power leveling of wind turbine generator by pitch angle control using H _∞ control. <i>Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi)</i> , 2008 , 162, 17-24	0.4	17
413	Output Power Leveling of Wind Turbine Generator by Pitch Angle Control Using H/sub /spl infin// Control 2006 ,		17
412	Unit Commitment Computation - A Novel Fuzzy Adaptive Particle Swarm Optimization Approach 2006 ,		17
411	Generating Power Leveling of Renewable Energy for Small Power System in Isolated Island. <i>IEEE Transactions on Power and Energy</i> , 2005 , 125, 1209-1215	0.2	17
410	Study on Optimum Capacity of Battery Energy Storage System for Wind Power Generator. <i>IEEE Transactions on Power and Energy</i> , 2008 , 128, 321-327	0.2	17
409	Analysis of Hybrid Grid-Connected Renewable Power Generation for Sustainable Electricity Supply in Sierra Leone. <i>Sustainability</i> , 2021 , 13, 11435	3.6	17
408	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	4.3	16
407	A sustainable microgrid: A sustainability and management-oriented approach. <i>Energy Procedia</i> , 2019 , 159, 160-167	2.3	16
406	Microgrid Planning and Design: Resilience to Sustainability 2019 ,		16
405	Smart pricing scheme: A multi-layered scoring rule application. <i>Expert Systems With Applications</i> , 2014 , 41, 3726-3735	7.8	16

404	An Economic Analysis of Demand Side Management Considering Interruptible Load and Renewable Energy Integration: A Case Study of Freetown Sierra Leone. <i>Sustainability</i> , 2019 , 11, 2828	3.6	15
403	A strategic-integrated approach for sustainable energy deployment. <i>Energy Reports</i> , 2020 , 6, 40-44	4.6	15
402	A high quality power supply system with DC smart grid 2010 ,		15
401	Frequency control by coordination control of WTG and battery using load estimation 2009 ,		15
400	Output Power Control of Wind Turbine Generator by Pitch Angle Control using Minimum Variance Control. <i>IEEE Transactions on Power and Energy</i> , 2004 , 124, 1455-1462	0.2	15
399	Incremental Conductance Based Particle Swarm Optimization Algorithm for Global Maximum Power Tracking of Solar-PV under Nonuniform Operating Conditions. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4575	2.6	15
398	Optimal Allocation of Hybrid Renewable Energy System by Multi-Objective Water Cycle Algorithm. <i>Sustainability</i> , 2019 , 11, 6550	3.6	15
397	A Contemporary Novel Classification of Voltage Stability Indices. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1639	2.6	14
396	Control strategy of PMSG based wind energy conversion system under strong wind conditions. <i>Energy for Sustainable Development</i> , 2018 , 45, 211-218	5.4	14
395	A new strategy to quantify uncertainties of wavelet-GRNN-PSO based solar PV power forecasts using bootstrap confidence intervals 2015 ,		14
394	Decentralized voltage control in distribution system using neural network 2008 ,		14
393	Output Power Leveling of Wind Farm Using Pitch-angle Control with Fuzzy Neural Network. <i>Electric Power Components and Systems</i> , 2008 , 36, 1048-1066	1	14
392	Energy Storage System Analysis Review for Optimal Unit Commitment. <i>Energies</i> , 2020 , 13, 158	3.1	14
391	Distributed Generators Optimization Based on Multi-Objective Functions Using Manta Rays Foraging Optimization Algorithm (MRFO). <i>Energies</i> , 2020 , 13, 3847	3.1	14
390	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	2.5	14
389	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	5.1	14
388	Optimal multi-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	2.9	13
387	Hybrid Genetic Algorithm Fuzzy-Based Control Schemes for Small Power System with High-Penetration Wind Farms. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 373	2.6	13

386	Optimal operation of thermal unit in smart grid considering transmission constraint. <i>International Journal of Electrical Power and Energy Systems</i> , 2012 , 40, 21-28	5.1	13
385	Frequency and voltage control of small power systems by decentralized controllable loads 2009 ,		13
384	A new recursive neural network algorithm to forecast electricity price for PJM day-ahead market. <i>International Journal of Energy Research</i> , 2010 , 34, 507-522	4.5	13
383	Green Synthesis of Silver Oxide Nanoparticles for Photocatalytic Environmental Remediation and Biomedical Applications. <i>Metals</i> , 2022 , 12, 769	2.3	13
382	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 ^{2.6}		12
381	Optimal Operation and Management for Smart Grid Subsumed High Penetration of Renewable Energy, Electric Vehicle, and Battery Energy Storage System. <i>International Journal of Emerging Electric Power Systems</i> , 2016 , 17, 173-189	1.4	12
380	High-frequency link DC for power quality improvement of stand-alone PV system in cascaded multilevel inverter 2013 ,		12
379	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 ,		12
378	Output leveling of wind power generation system by EDLC energy storage system. <i>Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi)</i> , 2006 , 154, 34-41	0.4	12
377	Position Control of Ultrasonic Motors Using Dead-Zone Compensation with Fuzzy Neural Network. <i>Electric Power Components and Systems</i> , 2006 , 34, 1253-1266	1	12
376	Output Power Control for Large Wind Power Penetration in Small Power System. <i>IEEE Power Engineering Society General Meeting</i> , 2007 ,		12
375	Terminal Voltage and Output Power Control of Induction Generator by Series and Parallel Compensation Using SMES. <i>IEEJ Transactions on Power and Energy</i> , 2003 , 123, 1522-1530	0.2	12
374	A coherent strategy for peak load shaving using energy storage systems. <i>Journal of Energy Storage</i> , 2020 , 32, 101823	7.8	12
373	Fast quasi-static time-series analysis and reactive power control of unbalanced distribution systems. <i>International Transactions on Electrical Energy Systems</i> , 2019 , 29, e2673	2.2	11
372	Comparison and Validation of Operational Cost in Smart Houses with the Introduction of a Heat Pump or a Gas Engine. <i>International Journal of Emerging Electric Power Systems</i> , 2015 , 16, 59-74	1.4	11
371	Optimal operation of smart grid in isolated island 2010 ,		11
370	Quick and precise position control of an ultrasonic motor with dual mode control. <i>International Journal of Electronics</i> , 1996 , 80, 191-200	1.2	11
369	Theoretical potential and utilization of renewable energy in Afghanistan. <i>AIMS Energy</i> , 2016 , 5, 1-19	1.8	11

368	Optimal PAM Control for a Buck Boost DC-DC Converter with a Wide-Speed-Range of Operation for a PMSM. <i>Journal of Power Electronics</i> , 2010 , 10, 477-484	0.9	11
367	Optimization of Voltage Unbalance Compensation by Smart Inverter. <i>Energies</i> , 2020 , 13, 4623	3.1	11
366	Low-Voltage Solid-State DC Breaker for Fault Protection Applications in Isolated DC Microgrid Cluster. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 723	2.6	11
365	Supersession of large penetration photovoltaic power transients using storage batteries 2013 ,		10
364	A fuzzy binary clustered particle swarm optimization strategy for thermal unit commitment problem with wind power integration. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2012 , 7, 478-486	1	10
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