

Pierluigi Siano

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.

528
papers

13,135
citations

58
h-index

100
g-index

639
ext. papers

16,813
ext. citations

5.1
avg, IF

7.65
L-index

#	Paper	IF	Citations
528	Demand response and smart grids A survey. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 30, 461-478	86.2	1363
527	. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 2424-2438	8.9	295
526	A Review of Smart Cities Based on the Internet of Things Concept. <i>Energies</i> , 2017 , 10, 421	3.1	282
525	Integrated scheduling of renewable generation and demand response programs in a microgrid. <i>Energy Conversion and Management</i> , 2014 , 86, 1118-1127	10.6	257
524	Recent advances and challenges of fuel cell based power system architectures and control A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 73, 10-18	16.2	254
523	. <i>IEEE Transactions on Industrial Electronics</i> , 2010 , 57, 4115-4125	8.9	245
522	. <i>IEEE Transactions on Sustainable Energy</i> , 2011 , 2, 468-476	8.2	231
521	Multi-objective scheduling of electric vehicles in smart distribution system. <i>Energy Conversion and Management</i> , 2014 , 79, 43-53	10.6	208
520	Flexibility in future power systems with high renewable penetration: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 57, 1186-1193	16.2	201
519	Assessing the benefits of residential demand response in a real time distribution energy market. <i>Applied Energy</i> , 2016 , 161, 533-551	10.7	194
518	Smart microgrid energy and reserve scheduling with demand response using stochastic optimization. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 63, 523-533	5.1	190
517	Challenges and Opportunities of Load Frequency Control in Conventional, Modern and Future Smart Power Systems: A Comprehensive Review. <i>Energies</i> , 2018 , 11, 2497	3.1	176
516	lot-based smart cities: A survey 2016 ,		173
515	Real Time Operation of Smart Grids via FCN Networks and Optimal Power Flow. <i>IEEE Transactions on Industrial Informatics</i> , 2012 , 8, 944-952	11.9	163
514	Economic-environmental energy and reserve scheduling of smart distribution systems: A multiobjective mathematical programming approach. <i>Energy Conversion and Management</i> , 2014 , 78, 151-164	10.6	159
513	A Survey on Power System Blackout and Cascading Events: Research Motivations and Challenges. <i>Energies</i> , 2019 , 12, 682	3.1	156
512	Evaluating the Impact of Network Investment Deferral on Distributed Generation Expansion. <i>IEEE Transactions on Power Systems</i> , 2009 , 24, 1559-1567	7	155

511	A Survey and Evaluation of the Potentials of Distributed Ledger Technology for Peer-to-Peer Transactive Energy Exchanges in Local Energy Markets. <i>IEEE Systems Journal</i> , 2019 , 13, 3454-3466	4.3	146
510	. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 6519-6529	8.9	146
509	A Stochastic Home Energy Management System Considering Satisfaction Cost and Response Fatigue. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 629-638	11.9	144
508	Stochastic optimal scheduling of distributed energy resources with renewables considering economic and environmental aspects. <i>Renewable Energy</i> , 2018 , 116, 272-287	8.1	140
507	Hybrid GA and OPF evaluation of network capacity for distributed generation connections. <i>Electric Power Systems Research</i> , 2008 , 78, 392-398	3.5	137
506	. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 4514-4525	8.9	136
505	A survey of industrial applications of Demand Response. <i>Electric Power Systems Research</i> , 2016 , 141, 31-49	3.5	132
504	Review of FACTS technologies and applications for power quality in smart grids with renewable energy systems. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 502-514	16.2	125
503	Designing an Adaptive Fuzzy Controller for Maximum Wind Energy Extraction. <i>IEEE Transactions on Energy Conversion</i> , 2008 , 23, 559-569	5.4	125
502	. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 1890-1903	11.9	114
501	Exploring the Tradeoffs Between Incentives for Distributed Generation Developers and DNOs. <i>IEEE Transactions on Power Systems</i> , 2007 , 22, 821-828	7	113
500	Stochastic multi-objective operational planning of smart distribution systems considering demand response programs. <i>Electric Power Systems Research</i> , 2014 , 111, 156-168	3.5	111
499	Recently Developed Reduced Switch Multilevel Inverter for Renewable Energy Integration and Drives Application: Topologies, Comprehensive Analysis and Comparative Evaluation. <i>IEEE Access</i> , 2019 , 7, 54888-54909	3.5	108
498	A new approach for real time voltage control using demand response in an automated distribution system. <i>Applied Energy</i> , 2014 , 117, 157-166	10.7	102
497	. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 4613-4623	8.9	102
496	Integrated operation of electric vehicles and renewable generation in a smart distribution system. <i>Energy Conversion and Management</i> , 2015 , 89, 99-110	10.6	96
495	Evaluating maximum wind energy exploitation in active distribution networks. <i>IET Generation, Transmission and Distribution</i> , 2010 , 4, 598	2.5	94
494	Optimal DR and ESS Scheduling for Distribution Losses Payments Minimization Under Electricity Price Uncertainty. <i>IEEE Transactions on Smart Grid</i> , 2016 , 7, 261-272	10.7	92

493	A fuzzy controller for maximum energy extraction from variable speed wind power generation systems. <i>Electric Power Systems Research</i> , 2008 , 78, 1109-1118	3.5	89
492	Optimal Bidding Strategy for a DER Aggregator in the Day-Ahead Market in the Presence of Demand Flexibility. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 1509-1519	8.9	89
491	. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 834-843	11.9	86
490	A bottom-up approach for demand response aggregators participation in electricity markets. <i>Electric Power Systems Research</i> , 2017 , 143, 121-129	3.5	79
489	Coordinated wind-thermal-energy storage offering strategy in energy and spinning reserve markets using a multi-stage model. <i>Applied Energy</i> , 2020 , 259, 114168	10.7	75
488	Stochastic operational scheduling of smart distribution system considering wind generation and demand response programs. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 63, 218-225	5.1	74
487	Short-Term Self-Scheduling of Virtual Energy Hub Plant Within Thermal Energy Market. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 3124-3136	8.9	72
486	Assessing the strategic benefits of distributed generation ownership for DNOs. <i>IET Generation, Transmission and Distribution</i> , 2009 , 3, 225-236	2.5	70
485	Decentralized Fractional Order Control Scheme for LFC of Deregulated Nonlinear Power Systems in Presence of EVs and RER 2018 ,		70
484	Islanding Detection of Synchronous Distributed Generator Based on the Active and Reactive Power Control Loops. <i>Energies</i> , 2018 , 11, 2819	3.1	69
483	A Survey on Microgrid Energy Management Considering Flexible Energy Sources. <i>Energies</i> , 2019 , 12, 2156	3.1	68
482	An internet of energy framework with distributed energy resources, prosumers and small-scale virtual power plants: An overview. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 127, 109840	16.2	67
481	Optimal trading of plug-in electric vehicle aggregation agents in a market environment for sustainability. <i>Applied Energy</i> , 2016 , 162, 601-612	10.7	64
480	Robust day-ahead scheduling of smart distribution networks considering demand response programs. <i>Applied Energy</i> , 2016 , 178, 929-942	10.7	64
479	. <i>IEEE Transactions on Industrial Informatics</i> , 2015 , 11, 1038-1048	11.9	63
478	. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 1465-1475	8.9	62
477	Co-optimized bidding strategy of an integrated wind-thermal-photovoltaic system in deregulated electricity market under uncertainties. <i>Journal of Cleaner Production</i> , 2020 , 242, 118434	10.3	62
476	Coordinated short-term scheduling and long-term expansion planning in microgrids incorporating renewable energy resources and energy storage systems. <i>Energy</i> , 2017 , 134, 699-708	7.9	61

475	An Innovative Two-Level Model for Electric Vehicle Parking Lots in Distribution Systems With Renewable Energy. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 1506-1520	10.7	61
474	Future Generation 5G Wireless Networks for Smart Grid: A Comprehensive Review. <i>Energies</i> , 2019 , 12, 2140	3.1	60
473	Power Quality Assessment and Event Detection in Distribution Network With Wind Energy Penetration Using Stockwell Transform and Fuzzy Clustering. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 6922-6932	11.9	60
472	Mobile social media for smart grids customer engagement: Emerging trends and challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 53, 1611-1616	16.2	60
471	Contribution of emergency demand response programs in power system reliability. <i>Energy</i> , 2016 , 103, 688-696	7.9	59
470	Modeling the reliability of multi-carrier energy systems considering dynamic behavior of thermal loads. <i>Energy and Buildings</i> , 2015 , 103, 375-383	7	58
469	Exploiting maximum energy from variable speed wind power generation systems by using an adaptive TakagiSugenoKang fuzzy model. <i>Energy Conversion and Management</i> , 2009 , 50, 413-421	10.6	58
468	An overview of energy planning in Iran and transition pathways towards sustainable electricity supply sector. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 112, 58-74	16.2	56
467	Optimal day ahead scheduling of combined heat and power units with electrical and thermal storage considering security constraint of power system. <i>Energy</i> , 2017 , 120, 241-252	7.9	56
466	Designing and testing decision support and energy management systems for smart homes. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2013 , 4, 651-661	3.7	54
465	Selection of optimal number and location of thyristor-controlled phase shifters using genetic based algorithms. <i>IET Generation, Transmission and Distribution</i> , 2004 , 151, 630		54
464	Constant Power Loads (CPL) with Microgrids: Problem Definition, Stability Analysis and Compensation Techniques. <i>Energies</i> , 2017 , 10, 1656	3.1	53
463	A Review of the Measures to Enhance Power Systems Resilience. <i>IEEE Systems Journal</i> , 2020 , 14, 4059-4070	11.9	52
462	Evaluating the effectiveness of normal boundary intersection method for short-term environmental/economic hydrothermal self-scheduling. <i>Electric Power Systems Research</i> , 2015 , 123, 192-204	3.5	50
461	Stochastic Optimization of Wind Turbine Power Factor Using Stochastic Model of Wind Power. <i>IEEE Transactions on Sustainable Energy</i> , 2010 , 1, 19-29	8.2	48
460	Nonlinear H-infinity Feedback Control for Asynchronous Motors of Electric Trains. <i>Intelligent Industrial Systems</i> , 2015 , 1, 85-98		47
459	Probabilistic Assessment of the Impact of Wind Energy Integration Into Distribution Networks. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 4209-4217	7	46
458	Innovative control logics for a rational utilization of electric loads and air-conditioning systems in a residential building. <i>Energy and Buildings</i> , 2015 , 102, 1-17	7	45

457	An overview on the smart grid concept 2010 ,		44
456	Optimal behavior of responsive residential demand considering hybrid phase change materials. <i>Applied Energy</i> , 2016 , 163, 81-92	10.7	43
455	Big Data Issues in Smart Grids: A Survey. <i>IEEE Systems Journal</i> , 2019 , 13, 4158-4168	4.3	42
454	Communication in Smart Grids: A Comprehensive Review on the Existing and Future Communication and Information Infrastructures. <i>IEEE Systems Journal</i> , 2019 , 13, 4001-4014	4.3	41
453	Economic-environmental active and reactive power scheduling of modern distribution systems in presence of wind generations: A distribution market-based approach. <i>Energy Conversion and Management</i> , 2015 , 106, 495-509	10.6	41
452	. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 6369-6382	8.9	41
451	. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 916-929	8.2	39
450	Scenario-based stochastic framework for coupled active and reactive power market in smart distribution systems with demand response programs. <i>Renewable Energy</i> , 2017 , 109, 22-40	8.1	38
449	Assessing Wind Turbines Placement in a Distribution Market Environment by Using Particle Swarm Optimization. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 3852-3864	7	38
448	Multi objective stochastic microgrid scheduling incorporating dynamic voltage restorer. <i>International Journal of Electrical Power and Energy Systems</i> , 2017 , 93, 316-327	5.1	36
447	SoS-based multiobjective distribution system expansion planning. <i>Electric Power Systems Research</i> , 2016 , 141, 392-406	3.5	36
446	Real-Time Forecasting of EV Charging Station Scheduling for Smart Energy Systems. <i>Energies</i> , 2017 , 10, 377	3.1	35
445	Day-ahead optimal bidding and scheduling strategies for DER aggregator considering responsive uncertainty under real-time pricing. <i>Energy</i> , 2020 , 213, 118765	7.9	35
444	Wide-Area Measurement System-Based Optimal Multi-Stage Under-Frequency Load-Shedding in Interconnected Smart Power Systems Using Evolutionary Computing Techniques. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 508	2.6	34
443	An efficient linear model for optimal day ahead scheduling of CHP units in active distribution networks considering load commitment programs. <i>Energy</i> , 2017 , 139, 798-817	7.9	34
442	WAMS-Based Online Disturbance Estimation in Interconnected Power Systems Using Disturbance Observer. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 990	2.6	33
441	Risk-based probabilistic-possibilistic self-scheduling considering high-impact low-probability events uncertainty. <i>International Journal of Electrical Power and Energy Systems</i> , 2019 , 110, 598-612	5.1	33
440	. <i>IEEE Access</i> , 2020 , 8, 38892-38906	3.5	33

439	A comprehensive stochastic energy management system in reconfigurable microgrids. <i>International Journal of Energy Research</i> , 2016 , 40, 1518-1531	4.5	33
438	Incorporating price-responsive customers in day-ahead scheduling of smart distribution networks. <i>Energy Conversion and Management</i> , 2016 , 115, 103-116	10.6	33
437	Neural network-based approach for early detection of cascading events in electric power systems. <i>IET Generation, Transmission and Distribution</i> , 2009 , 3, 650-665	2.5	32
436	Optimal Switch Placement by Alliance Algorithm for Improving Microgrids Reliability. <i>IEEE Transactions on Industrial Informatics</i> , 2012 , 8, 925-934	11.9	31
435	Evaluating the integration of wind power into distribution networks by using Monte Carlo simulation. <i>International Journal of Electrical Power and Energy Systems</i> , 2013 , 53, 244-255	5.1	31
434	Distributed Generation Capacity Evaluation Using Combined Genetic Algorithm and OPF. <i>International Journal of Emerging Electric Power Systems</i> , 2007 , 8,	1.4	30
433	A Regret-Based Stochastic Bi-Level Framework for Scheduling of DR Aggregator Under Uncertainties. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 3171-3184	10.7	29
432	Power transformers condition monitoring using neural modeling and the local statistical approach to fault diagnosis. <i>International Journal of Electrical Power and Energy Systems</i> , 2016 , 80, 150-159	5.1	29
431	Maximizing DG penetration in distribution networks by means of GA based reconfiguration 2005 ,		29
430	Evaluating the benefits of coordinated emerging flexible resources in electricity markets. <i>Applied Energy</i> , 2017 , 199, 142-154	10.7	28
429	Improving Fault Ride-Through Capability of Variable Speed Wind Turbines in Distribution Networks. <i>IEEE Systems Journal</i> , 2013 , 7, 713-722	4.3	28
428	Combined Monte Carlo simulation and OPF for wind turbines integration into distribution networks. <i>Electric Power Systems Research</i> , 2013 , 103, 37-48	3.5	28
427	Risk-averse probabilistic framework for scheduling of virtual power plants considering demand response and uncertainties. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 121, 106126	5.1	28
426	Comprehensive Review of the Recent Advances in Industrial and Commercial DR. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 3757-3771	11.9	27
425	Integration of renewable energy sources, energy storage systems, and electrical vehicles with smart power distribution networks. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2013 , 4, 663-671	3.7	27
424	A comparative study of clustering techniques for electrical load pattern segmentation. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 120, 109628	16.2	27
423	Exploring the reliability effects on the short term AC security-constrained unit commitment: A stochastic evaluation. <i>Energy</i> , 2016 , 114, 1016-1032	7.9	27
422	Design of a risk-averse decision making tool for smart distribution network operators under severe uncertainties: An IGDT-inspired augmented constraint based multi-objective approach. <i>Energy</i> , 2016 , 116, 214-235	7.9	27

421	A Model for Wind Turbines Placement Within a Distribution Network Acquisition Market. <i>IEEE Transactions on Industrial Informatics</i> , 2015 , 11, 210-219	11.9	26
420	Mixed-Integer Nonlinear Programming Formulation for Distribution Networks Reliability Optimization. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 1952-1961	11.9	26
419	Designing fuzzy logic controllers for DCDC converters using multi-objective particle swarm optimization. <i>Electric Power Systems Research</i> , 2014 , 112, 74-83	3.5	26
418	Assessing the Impact of Incentive Regulation for Innovation on RES Integration. <i>IEEE Transactions on Power Systems</i> , 2014 , 29, 2499-2508	7	26
417	An Improved UFLS Scheme based on Estimated Minimum Frequency and Power Deficit 2019 ,		25
416	Energy-Aware Online Non-Clairvoyant Scheduling Using Speed Scaling with Arbitrary Power Function. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1467	2.6	25
415	An Algorithm for Recognition of Fault Conditions in the Utility Grid with Renewable Energy Penetration. <i>Energies</i> , 2020 , 13, 2383	3.1	25
414	Assessing the resilience of multi microgrid based widespread power systems against natural disasters using Monte Carlo Simulation. <i>Energy</i> , 2020 , 207, 118220	7.9	25
413	Multiobjective Robust Power System Expansion Planning Considering Generation Units Retirement. <i>IEEE Systems Journal</i> , 2018 , 12, 2664-2675	4.3	25
412	Active Power Sharing and Frequency Restoration in an Autonomous Networked Microgrid. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 4706-4717	7	25
411	An Improved Adaptive Control Strategy in Grid-Tied PV System With Active Power Filter for Power Quality Enhancement. <i>IEEE Systems Journal</i> , 2021 , 15, 2859-2870	4.3	25
410	A New Nonlinear H-infinity Feedback Control Approach to the Problem of Autonomous Robot Navigation. <i>Intelligent Industrial Systems</i> , 2015 , 1, 179-186		24
409	A multi-objective hybrid GA and TOPSIS approach for sizing and siting of DG and RTU in smart distribution grids. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018 , 9, 105-122	3.7	24
408	Optimal island partitioning of smart distribution systems to improve system restoration under emergency conditions. <i>International Journal of Electrical Power and Energy Systems</i> , 2018 , 97, 155-164	5.1	24
407	Designing of stand-alone hybrid PV/wind/battery system using improved crow search algorithm considering reliability index. <i>International Journal of Energy and Environmental Engineering</i> , 2019 , 10, 429-449	4	23
406	Designing Inverters Current Controllers With Resonance Frequencies Cancellation. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 3072-3080	8.9	23
405	Design of robust electric power system stabilizers using Kharitonov's theorem. <i>Mathematics and Computers in Simulation</i> , 2011 , 82, 181-191	3.3	23
404	Alienation Coefficient and Wigner Distribution Function Based Protection Scheme for Hybrid Power System Network with Renewable Energy Penetration. <i>Energies</i> , 2020 , 13, 1120	3.1	23

403	A nonlinear H-infinity control method for multi-DOF robotic manipulators. <i>Nonlinear Dynamics</i> , 2017 , 88, 329-348	5	22
402	Control and Disturbances Compensation for Doubly Fed Induction Generators Using the Derivative-Free Nonlinear Kalman Filter. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 5532-5547	7.2	22
401	Exploring the trade-off between competing objectives for electricity energy retailers through a novel multi-objective framework. <i>Energy Conversion and Management</i> , 2015 , 91, 12-18	10.6	22
400	A Self-Reliant DC Microgrid: Sizing, Control, Adaptive Dynamic Power Management, and Experimental Analysis. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 3300-3313	11.9	22
399	Optimal allocation of wind turbines in microgrids by using genetic algorithm. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2013 , 4, 613-619	3.7	22
398	Optimal Multi-Operation Energy Management in Smart Microgrids in the Presence of RESs Based on Multi-Objective Improved DE Algorithm: Cost-Emission Based Optimization. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3661	2.6	22
397	A Protection Scheme for a Power System with Solar Energy Penetration. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1516	2.6	21
396	Optimal day-ahead operational planning of microgrids. <i>Energy Conversion and Management</i> , 2016 , 126, 142-157	10.6	21
395	Evaluating the impact of sub-hourly unit commitment method on spinning reserve in presence of intermittent generators. <i>Energy</i> , 2016 , 113, 338-354	7.9	21
394	Investigation on the Development of a Sliding Mode Controller for Constant Power Loads in Microgrids. <i>Energies</i> , 2017 , 10, 1086	3.1	21
393	Agent-based architecture for designing hybrid control systems. <i>Information Sciences</i> , 2006 , 176, 1103-1139	7.9	21
392	. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 332-345	7	21
391	Cyber-Attack Detection and Cyber-Security Enhancement in Smart DC-Microgrid Based on Blockchain Technology and Hilbert Huang Transform. <i>IEEE Access</i> , 2021 , 9, 29429-29440	3.5	21
390	A new active portfolio risk management for an electricity retailer based on a drawdown risk preference. <i>Energy</i> , 2017 , 118, 387-398	7.9	20
389	Integration of Cold Ironing and Renewable Sources in the Barcelona Smart Port. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 7198-7206	4.3	20
388	Integrated energy optimization of smart home appliances with cost-effective energy management system. <i>CSEE Journal of Power and Energy Systems</i> , 2019 ,	2.3	20
387	Nonlinear Optimal Control of Oxygen and Carbon Dioxide Levels in Blood. <i>Intelligent Industrial Systems</i> , 2017 , 3, 61-75		20
386	Extended Fuzzy C-Means and Genetic Algorithms to Optimize Power Flow Management in Hybrid Electric Vehicles. <i>Fuzzy Optimization and Decision Making</i> , 2003 , 2, 359-374	5.1	20

385	Evaluating the Operational Flexibility of Generation Mixture With an Innovative Techno-Economic Measure. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 2205-2218	7	20
384	Multiple Home-to-Home Energy Transactions for Peak Load Shaving. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 1074-1085	4.3	19
383	A two-stage robust-intelligent controller design for efficient LFC based on Kharitonov theorem and fuzzy logic. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018 , 9, 1445-1454	3.7	19
382	Networked Stackelberg Competition in a Demand Response Market. <i>Applied Energy</i> , 2019 , 239, 680-691	10.7	19
381	Shunt capacitor placement in radial distribution networks considering switching transients decision making approach. <i>International Journal of Electrical Power and Energy Systems</i> , 2017 , 92, 167-180	5.1	18
380	Evaluating the Benefits of Optimal Allocation of Wind Turbines for Distribution Network Operators. <i>IEEE Systems Journal</i> , 2015 , 9, 629-638	4.3	18
379	Management of renewable-based multi-energy microgrids in the presence of electric vehicles. <i>IET Renewable Power Generation</i> , 2020 , 14, 417-426	2.9	18
378	Nonlinear H-infinity control for 4-DOF underactuated overhead cranes. <i>Transactions of the Institute of Measurement and Control</i> , 2018 , 40, 2364-2377	1.8	18
377	Risk-based planning of distribution substation considering technical and economic uncertainties. <i>Electric Power Systems Research</i> , 2016 , 135, 18-26	3.5	18
376	Electric Vehicles integration in demand response programs 2014 ,		18
375	A Distributed State Estimation Approach to Condition Monitoring of Nonlinear Electric Power Systems. <i>Asian Journal of Control</i> , 2013 , 15, 849-860	1.7	18
374	A new algorithm for steady state load-shedding strategy 2010 ,		18
373	A Comprehensive Analysis and Hardware Implementation of Control Strategies for High Output Voltage DC-DC Boost Power Converter. <i>International Journal of Computational Intelligence Systems</i> , 2017 , 10, 140	3.4	18
372	Scheduling of PV inverter reactive power set-point and battery charge/discharge profile for voltage regulation in low voltage networks. <i>International Journal of Electrical Power and Energy Systems</i> , 2019 , 107, 131-139	5.1	18
371	A comprehensive framework for optimal day-ahead operational planning of self-healing smart distribution systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2018 , 99, 28-44	5.1	17
370	Risk-based planning of the distribution network structure considering uncertainties in demand and cost of energy. <i>Energy</i> , 2017 , 119, 578-587	7.9	17
369	Demand Response in Future Power Networks: Panorama and State-of-the-art. <i>Studies in Systems, Decision and Control</i> , 2019 , 167-191	0.8	17
368	Day-Ahead Capacity Estimation and Power Management of a Charging Station Based on Queuing Theory. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 5561-5574	11.9	16

367	An Optimal Home Energy Management Paradigm With an Adaptive Neuro-Fuzzy Regulation. <i>IEEE Access</i> , 2020 , 8, 19614-19628	3.5	16
366	A novel strategy for optimal placement of locally controlled voltage regulators in traditional distribution systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2018 , 96, 11-22	5.1	16
365	A pattern recognition methodology for analyzing residential customers load data and targeting demand response applications. <i>Energy and Buildings</i> , 2019 , 203, 109455	7	16
364	Identification of ferroresonance based on S-transform and support vector machine. <i>Simulation Modelling Practice and Theory</i> , 2010 , 18, 1412-1424	3.9	16
363	Clustering of electrical load patterns and time periods using uncertainty-based multi-level amplitude thresholding. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 117, 105624	5.1	16
362	Sustainable Smart Cities Through the Lens of Complex Interdependent Infrastructures: Panorama and State-of-the-art. <i>Studies in Systems, Decision and Control</i> , 2019 , 45-68	0.8	16
361	Information-Gap Decision Theory for Robust Security-Constrained Unit Commitment of Joint Renewable Energy and Gridable Vehicles. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 3064-3075	11.9	16
360	Wavelet-Alienation-Neural-Based Protection Scheme for STATCOM Compensated Transmission Line. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 2557-2565	11.9	16
359	A New Non-linear H-infinity Feedback Control Approach for Three-phase Voltage Source Converters. <i>Electric Power Components and Systems</i> , 2016 , 44, 302-312	1	15
358	Strategic placement of distribution network operator owned wind turbines by using market-based optimal power flow. <i>IET Generation, Transmission and Distribution</i> , 2014 , 8, 281-289	2.5	15
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