Pierluigi Siano

List of Publications by Year
in descending order

628 papers	20,260 citations	13827 67 h-index	17546 121 g-index
639 all docs	639 docs citations	639 times ranked	14112 citing authors

#	Article	IF	Citations
1	Demand response and smart grids—A survey. Renewable and Sustainable Energy Reviews, 2014, 30, 461-478.	8.2	1,811
2	A Review of Architectures and Concepts for Intelligence in Future Electric Energy Systems. IEEE Transactions on Industrial Electronics, 2015, 62, 2424-2438.	5.2	419
3	A Review of Smart Cities Based on the Internet of Things Concept. Energies, 2017, 10, 421.	1.6	403
4	Recent advances and challenges of fuel cell based power system architectures and control – A review. Renewable and Sustainable Energy Reviews, 2017, 73, 10-18.	8.2	355
5	A Multilevel Inverter for Photovoltaic Systems With Fuzzy Logic Control. IEEE Transactions on Industrial Electronics, 2010, 57, 4115-4125.	5.2	350
6	Integrated scheduling of renewable generation and demand response programs in a microgrid. Energy Conversion and Management, 2014, 86, 1118-1127.	4.4	337
7	A Survey on Power System Blackout and Cascading Events: Research Motivations and Challenges. Energies, 2019, 12, 682.	1.6	308
8	Iot-based smart cities: A survey. , 2016, , .		286
9	Combined Operations of Renewable Energy Systems and Responsive Demand in a Smart Grid. IEEE Transactions on Sustainable Energy, 2011, 2, 468-476.	5.9	283
10	A Survey and Evaluation of the Potentials of Distributed Ledger Technology for Peer-to-Peer Transactive Energy Exchanges in Local Energy Markets. IEEE Systems Journal, 2019, 13, 3454-3466.	2.9	277
11	Flexibility in future power systems with high renewable penetration: A review. Renewable and Sustainable Energy Reviews, 2016, 57, 1186-1193.	8.2	276
12	Multi-objective scheduling of electric vehicles in smart distribution system. Energy Conversion and Management, 2014, 79, 43-53.	4.4	253
13	Smart microgrid energy and reserve scheduling with demand response using stochastic optimization. International Journal of Electrical Power and Energy Systems, 2014, 63, 523-533.	3.3	247
14	Challenges and Opportunities of Load Frequency Control in Conventional, Modern and Future Smart Power Systems: A Comprehensive Review. Energies, 2018, 11, 2497.	1.6	240
15	Assessing the benefits of residential demand response in a real time distribution energy market. Applied Energy, 2016, 161, 533-551.	5.1	232
16	Recently Developed Reduced Switch Multilevel Inverter for Renewable Energy Integration and Drives Application: Topologies, Comprehensive Analysis and Comparative Evaluation. IEEE Access, 2019, 7, 54888-54909.	2.6	231
17	Review of FACTS technologies and applications for power quality in smart grids with renewable energy systems. Renewable and Sustainable Energy Reviews, 2018, 82, 502-514.	8.2	224
18	A Stochastic Home Energy Management System Considering Satisfaction Cost and Response Fatigue. IEEE Transactions on Industrial Informatics, 2018, 14, 629-638.	7.2	213

#	ARTICLE	IF	CITATIONS
19	A survey of industrial applications of Demand Response. Electric Power Systems Research, 2016, 141, 31-49.	2.1	206
20	A Novel RBF Training Algorithm for Short-Term Electric Load Forecasting and Comparative Studies. IEEE Transactions on Industrial Electronics, 2015, 62, 6519-6529.	5.2	203
21	Stochastic optimal scheduling of distributed energy resources with renewables considering economic and environmental aspects. Renewable Energy, 2018, 116, 272-287.	4.3	198
22	Evaluating the Impact of Network Investment Deferral on Distributed Generation Expansion. IEEE Transactions on Power Systems, 2009, 24, 1559-1567.	4.6	195
23	Real Time Operation of Smart Grids via FCN Networks and Optimal Power Flow. IEEE Transactions on Industrial Informatics, 2012, 8, 944-952.	7.2	186
24	Economic-environmental energy and reserve scheduling of smart distribution systems: A multiobjective mathematical programming approach. Energy Conversion and Management, 2014, 78, 151-164.	4.4	183
25	A Review of the Measures to Enhance Power Systems Resilience. IEEE Systems Journal, 2020, 14, 4059-4070.	2.9	178
26	Smart Operation of Wind Turbines and Diesel Generators According to Economic Criteria. IEEE Transactions on Industrial Electronics, 2011, 58, 4514-4525.	5.2	176
27	Hybrid GA and OPF evaluation of network capacity for distributed generation connections. Electric Power Systems Research, 2008, 78, 392-398.	2.1	172
28	Designing an Adaptive Fuzzy Controller for Maximum Wind Energy Extraction. IEEE Transactions on Energy Conversion, 2008, 23, 559-569.	3.7	153
29	An internet of energy framework with distributed energy resources, prosumers and small-scale virtual power plants: An overview. Renewable and Sustainable Energy Reviews, 2020, 127, 109840.	8.2	149
30	Optimal Bidding Strategy for a DER Aggregator in the Day-Ahead Market in the Presence of Demand Flexibility. IEEE Transactions on Industrial Electronics, 2019, 66, 1509-1519.	5.2	146
31	Stochastic multi-objective operational planning of smart distribution systems considering demand response programs. Electric Power Systems Research, 2014, 111, 156-168.	2.1	145
32	Failure Identification in Smart Grids Based on Petri Net Modeling. IEEE Transactions on Industrial Electronics, 2011, 58, 4613-4623.	5.2	140
33	A Review of Agent and Service-Oriented Concepts Applied to Intelligent Energy Systems. IEEE Transactions on Industrial Informatics, 2014, 10, 1890-1903.	7.2	137
34	Optimal DR and ESS Scheduling for Distribution Losses Payments Minimization Under Electricity Price Uncertainty. IEEE Transactions on Smart Grid, 2016, 7, 261-272.	6.2	131
35	Exploring the Tradeoffs Between Incentives for Distributed Generation Developers and DNOs. IEEE Transactions on Power Systems, 2007, 22, 821-828.	4.6	129
36	A new approach for real time voltage control using demand response in an automated distribution system. Applied Energy, 2014, 117, 157-166.	5.1	125

#	Article	IF	Citations
37	Integrated operation of electric vehicles and renewable generation in a smart distribution system. Energy Conversion and Management, 2015, 89, 99-110.	4.4	123
38	Optimal Battery Sizing in Microgrids Using Probabilistic Unit Commitment. IEEE Transactions on Industrial Informatics, 2016, 12, 834-843.	7.2	118
39	A fuzzy controller for maximum energy extraction from variable speed wind power generation systems. Electric Power Systems Research, 2008, 78, 1109-1118.	2.1	117
40	Evaluating maximum wind energy exploitation in active distribution networks. IET Generation, Transmission and Distribution, 2010, 4, 598.	1.4	117
41	A Survey on Microgrid Energy Management Considering Flexible Energy Sources. Energies, 2019, 12, 2156.	1.6	116
42	An Enhanced IEEE 33 Bus Benchmark Test System for Distribution System Studies. IEEE Transactions on Power Systems, 2021, 36, 2565-2572.	4.6	116
43	Short-Term Self-Scheduling of Virtual Energy Hub Plant Within Thermal Energy Market. IEEE Transactions on Industrial Electronics, 2021, 68, 3124-3136.	5.2	114
44	Future Generation 5G Wireless Networks for Smart Grid: A Comprehensive Review. Energies, 2019, 12, 2140.	1.6	108
45	Power Quality Assessment and Event Detection in Distribution Network With Wind Energy Penetration Using Stockwell Transform and Fuzzy Clustering. IEEE Transactions on Industrial Informatics, 2020, 16, 6922-6932.	7.2	107
46	A bottom-up approach for demand response aggregators' participation in electricity markets. Electric Power Systems Research, 2017, 143, 121-129.	2.1	105
47	Coordinated wind-thermal-energy storage offering strategy in energy and spinning reserve markets using a multi-stage model. Applied Energy, 2020, 259, 114168.	5.1	102
48	A Framework for Incorporating Demand Response of Smart Buildings Into the Integrated Heat and Electricity Energy System. IEEE Transactions on Industrial Electronics, 2019, 66, 1465-1475.	5.2	100
49	An Innovative Two-Level Model for Electric Vehicle Parking Lots in Distribution Systems With Renewable Energy. IEEE Transactions on Smart Grid, 2018, 9, 1506-1520.	6.2	95
50	An overview of energy planning in Iran and transition pathways towards sustainable electricity supply sector. Renewable and Sustainable Energy Reviews, 2019, 112, 58-74.	8.2	95
51	Constant Power Loads (CPL) with Microgrids: Problem Definition, Stability Analysis and Compensation Techniques. Energies, 2017, 10, 1656.	1.6	94
52	Day-ahead optimal bidding and scheduling strategies for DER aggregator considering responsive uncertainty under real-time pricing. Energy, 2020, 213, 118765.	4.5	94
53	Co-optimized bidding strategy of an integrated wind-thermal-photovoltaic system in deregulated electricity marketÂunder uncertainties. Journal of Cleaner Production, 2020, 242, 118434.	4.6	93
54	Stochastic operational scheduling of smart distribution system considering wind generation and demand response programs. International Journal of Electrical Power and Energy Systems, 2014, 63, 218-225.	3.3	90

#	Article	IF	Citations
55	A comparative study of clustering techniques for electrical load pattern segmentation. Renewable and Sustainable Energy Reviews, 2020, 120, 109628.	8.2	89
56	Mobile social media for smart grids customer engagement: Emerging trends and challenges. Renewable and Sustainable Energy Reviews, 2016, 53, 1611-1616.	8.2	84
57	Coordinated short-term scheduling and long-term expansion planning in microgrids incorporating renewable energy resources and energy storage systems. Energy, 2017, 134, 699-708.	4.5	83
58	An Improved Adaptive Control Strategy in Grid-Tied PV System With Active Power Filter for Power Quality Enhancement. IEEE Systems Journal, 2021, 15, 2859-2870.	2.9	83
59	Multiobjective Optimal Design of Photovoltaic Synchronous Boost Converters Assessing Efficiency, Reliability, and Cost Savings. IEEE Transactions on Industrial Informatics, 2015, 11, 1038-1048.	7.2	81
60	Optimal trading of plug-in electric vehicle aggregation agents in a market environment for sustainability. Applied Energy, 2016, 162, 601-612.	5.1	81
61	Assessing the strategic benefits of distributed generation ownership for DNOs. IET Generation, Transmission and Distribution, 2009, 3, 225-236.	1.4	80
62	Modeling the reliability of multi-carrier energy systems considering dynamic behavior of thermal loads. Energy and Buildings, 2015, 103, 375-383.	3.1	80
63	Communication in Smart Grids: A Comprehensive Review on the Existing and Future Communication and Information Infrastructures. IEEE Systems Journal, 2019, 13, 4001-4014.	2.9	80
64	Big Data Issues in Smart Grids: A Survey. IEEE Systems Journal, 2019, 13, 4158-4168.	2.9	79
65	An overview on the smart grid concept. , 2010, , .		78
66	Robust day-ahead scheduling of smart distribution networks considering demand response programs. Applied Energy, 2016, 178, 929-942.	5.1	77
67	Islanding Detection of Synchronous Distributed Generator Based on the Active and Reactive Power Control Loops. Energies, 2018, 11, 2819.	1.6	75
68	Exploiting maximum energy from variable speed wind power generation systems by using an adaptive Takagiâ€"Sugenoâ€"Kang fuzzy model. Energy Conversion and Management, 2009, 50, 413-421.	4.4	73
69	Contribution of emergency demand response programs in power system reliability. Energy, 2016, 103, 688-696.	4.5	72
70	Decentralized Fractional Order Control Scheme for LFC of Deregulated Nonlinear Power Systems in Presence of EVs and RER. , 2018, , .		72
71	Selection of optimal number and location of thyristor-controlled phase shifters using genetic based algorithms. IET Generation, Transmission and Distribution, 2004, 151, 630.	1.1	69
72	Nonlinear H-infinity Feedback Control for Asynchronous Motors of Electric Trains. Intelligent Industrial Systems, 2015, 1, 85-98.	1.0	69

#	ARTICLE	IF	CITATIONS
73	Optimal day ahead scheduling of combined heat and power units with electrical and thermal storage considering security constraint of power system. Energy, 2017, 120, 241-252.	4.5	67
74	Cyber-Attack Detection and Cyber-Security Enhancement in Smart DC-Microgrid Based on Blockchain Technology and Hilbert Huang Transform. IEEE Access, 2021, 9, 29429-29440.	2.6	67
75	Designing and testing decision support and energy management systems for smart homes. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 651-661.	3.3	66
76	Stochastic Optimization of Wind Turbine Power Factor Using Stochastic Model of Wind Power. IEEE Transactions on Sustainable Energy, 2010, 1, 19-29.	5.9	65
77	Optimal Operation of Emerging Flexible Resources Considering Sub-Hourly Flexible Ramp Product. IEEE Transactions on Sustainable Energy, 2018, 9, 916-929.	5.9	65
78	Nonlinear Optimal Control of Oxygen and Carbon Dioxide Levels in Blood. Intelligent Industrial Systems, 2017, 3, 61-75.	1.0	64
79	Risk-averse probabilistic framework for scheduling of virtual power plants considering demand response and uncertainties. International Journal of Electrical Power and Energy Systems, 2020, 121, 106126.	3.3	61
80	Sensorless Control of Distributed Power Generators With the Derivative-Free Nonlinear Kalman Filter. IEEE Transactions on Industrial Electronics, 2014, 61, 6369-6382.	5.2	59
81	Assessing the resilience of multi microgrid based widespread power systems against natural disasters using Monte Carlo Simulation. Energy, 2020, 207, 118220.	4.5	58
82	Active Power Sharing and Frequency Restoration in an Autonomous Networked Microgrid. IEEE Transactions on Power Systems, 2019, 34, 4706-4717.	4.6	57
83	Innovative control logics for a rational utilization of electric loads and air-conditioning systems in a residential building. Energy and Buildings, 2015, 102, 1-17.	3.1	56
84	Comprehensive Review of the Recent Advances in Industrial and Commercial DR. IEEE Transactions on Industrial Informatics, 2019, 15, 3757-3771.	7.2	56
85	A Two-Loop Hybrid Method for Optimal Placement and Scheduling of Switched Capacitors in Distribution Networks. IEEE Access, 2020, 8, 38892-38906.	2.6	55
86	A New Method for Peer Matching and Negotiation of Prosumers in Peer-to-Peer Energy Markets. IEEE Transactions on Smart Grid, 2021, 12, 2472-2483.	6.2	54
87	Evaluating the effectiveness of normal boundary intersection method for short-term environmental/economic hydrothermal self-scheduling. Electric Power Systems Research, 2015, 123, 192-204.	2.1	52
88	SoS-based multiobjective distribution system expansion planning. Electric Power Systems Research, 2016, 141, 392-406.	2.1	52
89	Optimal behavior of responsive residential demand considering hybrid phase change materials. Applied Energy, 2016, 163, 81-92.	5.1	52
90	Probabilistic Assessment of the Impact of Wind Energy Integration Into Distribution Networks. IEEE Transactions on Power Systems, 2013, 28, 4209-4217.	4.6	50

#	Article	IF	Citations
91	A Regret-Based Stochastic Bi-Level Framework for Scheduling of DR Aggregator Under Uncertainties. IEEE Transactions on Smart Grid, 2020, 11, 3171-3184.	6.2	50
92	Assessing Wind Turbines Placement in a Distribution Market Environment by Using Particle Swarm Optimization. IEEE Transactions on Power Systems, 2013, 28, 3852-3864.	4.6	49
93	Design of a risk-averse decision making tool for smart distribution network operators under severe uncertainties: An IGDT-inspired augment Îµ-constraint based multi-objective approach. Energy, 2016, 116, 214-235.	4.5	49
94	An Overview of Demand Response: From its Origins to the Smart Energy Community. IEEE Access, 2021, 9, 96851-96876.	2.6	48
95	Distributed Generation Capacity Evaluation Using Combined Genetic Algorithm and OPF. International Journal of Emerging Electric Power Systems, 2007, 8, .	0.6	47
96	Economic-environmental active and reactive power scheduling of modern distribution systems in presence of wind generations: A distribution market-based approach. Energy Conversion and Management, 2015, 106, 495-509.	4.4	47
97	Power transformersâ€™ condition monitoring using neural modeling and the local statistical approach to fault diagnosis. International Journal of Electrical Power and Energy Systems, 2016, 80, 150-159.	3.3	47
98	Integration of Cold Ironing and Renewable Sources in the Barcelona Smart Port. IEEE Transactions on Industry Applications, 2019, 55, 7198-7206.	3.3	47
99	Multi objective stochastic microgrid scheduling incorporating dynamic voltage restorer. International Journal of Electrical Power and Energy Systems, 2017, 93, 316-327.	3.3	46
100	Real-Time Forecasting of EV Charging Station Scheduling for Smart Energy Systems. Energies, 2017, 10, 377.	1.6	45
101	Mixed-Integer Nonlinear Programming Formulation for Distribution Networks Reliability Optimization. IEEE Transactions on Industrial Informatics, 2018, 14, 1952-1961.	7.2	44
102	Designing of stand-alone hybrid PV/wind/battery system using improved crow search algorithm considering reliability index. International Journal of Energy and Environmental Engineering, 2019, 10, 429-449.	1.3	44
103	Wide-Area Measurement System-Based Optimal Multi-Stage Under-Frequency Load-Shedding in Interconnected Smart Power Systems Using Evolutionary Computing Techniques. Applied Sciences (Switzerland), 2019, 9, 508.	1.3	44
104	Integration of renewable energy sources, energy storage systems, and electrical vehicles with smart power distribution networks. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 663-671.	3.3	43
105	Risk-based probabilistic-possibilistic self-scheduling considering high-impact low-probability events uncertainty. International Journal of Electrical Power and Energy Systems, 2019, 110, 598-612.	3.3	43
106	Optimal island partitioning of smart distribution systems to improve system restoration under emergency conditions. International Journal of Electrical Power and Energy Systems, 2018, 97, 155-164.	3.3	42
107	Optimal Multi-Operation Energy Management in Smart Microgrids in the Presence of RESs Based on Multi-Objective Improved DE Algorithm: Cost-Emission Based Optimization. Applied Sciences (Switzerland), 2021, 11, 3661.	1.3	42
108	Scenario-based stochastic framework for coupled active and reactive power market in smart distribution systems with demand response programs. Renewable Energy, 2017, 109, 22-40.	4.3	41

#	Article	IF	Citations
109	Optimal Planning of Electrical Appliance of Residential Units in a Smart Home Network Using Cloud Services. Smart Cities, 2021, 4, 1173-1195.	5.5	41
110	Maximizing DG penetration in distribution networks by means of GA based reconfiguration. , 2005, , .		40
111	A New Nonlinear H-infinity Feedback Control Approach to the Problem of Autonomous Robot Navigation. Intelligent Industrial Systems, 2015, 1, 179-186.	1.0	40
112	Evaluating the benefits of coordinated emerging flexible resources in electricity markets. Applied Energy, 2017, 199, 142-154.	5.1	40
113	A Transactive Energy Framework for Inverter-Based HVAC Loads in a Real-Time Local Electricity Market Considering Distributed Energy Resources. IEEE Transactions on Industrial Informatics, 2022, 18, 8409-8421.	7.2	40
114	Evaluating the integration of wind power into distribution networks by using Monte Carlo simulation. International Journal of Electrical Power and Energy Systems, 2013, 53, 244-255.	3.3	39
115	Multiobjective Robust Power System Expansion Planning Considering Generation Units Retirement. IEEE Systems Journal, 2018, 12, 2664-2675.	2.9	39
116	Neural network-based approach for early detection of cascading events in electric power systems. IET Generation, Transmission and Distribution, 2009, 3, 650-665.	1.4	38
117	Optimal Switch Placement by Alliance Algorithm for Improving Microgrids Reliability. IEEE Transactions on Industrial Informatics, 2012, 8, 925-934.	7.2	38
118	A comprehensive stochastic energy management system in reconfigurable microgrids. International Journal of Energy Research, 2016, 40, 1518-1531.	2.2	38
119	Incorporating price-responsive customers in day-ahead scheduling of smart distribution networks. Energy Conversion and Management, 2016, 115, 103-116.	4.4	38
120	Integrated energy optimization of smart home appliances with cost-effective energy management system. CSEE Journal of Power and Energy Systems, 2019, , .	1.7	38
121	An efficient linear model for optimal day ahead scheduling of CHP units in active distribution networks considering load commitment programs. Energy, 2017, 139, 798-817.	4.5	37
122	WAMS-Based Online Disturbance Estimation in Interconnected Power Systems Using Disturbance Observer. Applied Sciences (Switzerland), 2019, 9, 990.	1.3	37
123	Information-Gap Decision Theory for Robust Security-Constrained Unit Commitment of Joint Renewable Energy and Gridable Vehicles. IEEE Transactions on Industrial Informatics, 2020, 16, 3064-3075.	7.2	37
124	Alienation Coefficient and Wigner Distribution Function Based Protection Scheme for Hybrid Power System Network with Renewable Energy Penetration. Energies, 2020, 13, 1120.	1.6	37
125	Trends in modern power systems resilience: State-of-the-art review. Renewable and Sustainable Energy Reviews, 2022, 162, 112397.	8.2	37
126	Improving Fault Ride-Through Capability of Variable Speed Wind Turbines in Distribution Networks. IEEE Systems Journal, 2013, 7, 713-722.	2.9	36

#	Article	IF	Citations
127	Capacity Allocation and Optimal Control of Inverter Air Conditioners Considering Area Control Error in Multi-Area Power Systems. IEEE Transactions on Power Systems, 2020, 35, 332-345.	4.6	36
128	An Algorithm for Recognition of Fault Conditions in the Utility Grid with Renewable Energy Penetration. Energies, 2020, 13, 2383.	1.6	36
129	A Self-Reliant DC Microgrid: Sizing, Control, Adaptive Dynamic Power Management, and Experimental Analysis. IEEE Transactions on Industrial Informatics, 2018, 14, 3300-3313.	7.2	35
130	Artificial intelligence-based prediction and analysis of the oversupply of wind and solar energy in power systems. Energy Conversion and Management, 2021, 250, 114892.	4.4	35
131	Designing Inverters' Current Controllers With Resonance Frequencies Cancellation. IEEE Transactions on Industrial Electronics, 2016, 63, 3072-3080.	5.2	34
132	A nonlinear H-infinity control method for multi-DOF robotic manipulators. Nonlinear Dynamics, 2017, 88, 329-348.	2.7	34
133	A pattern recognition methodology for analyzing residential customers load data and targeting demand response applications. Energy and Buildings, 2019, 203, 109455.	3.1	34
134	Improved Power Quality in a Solar PV Plant Integrated Utility Grid by Employing a Novel Adaptive Current Regulator. IEEE Systems Journal, 2020, 14, 4308-4319.	2.9	34
135	A Novel Robust Smart Energy Management and Demand Reduction for Smart Homes Based on Internet of Energy. Sensors, 2021, 21, 4756.	2.1	34
136	A multi-objective resilience-economic stochastic scheduling method for microgrid. International Journal of Electrical Power and Energy Systems, 2021, 131, 106974.	3.3	34
137	Comparative Performance Assessment of Different Energy Storage Devices in Combined LFC and AVR Analysis of Multi-Area Power System. Energies, 2022, 15, 629.	1.6	34
138	Design of robust electric power system stabilizers using Kharitonov's theorem. Mathematics and Computers in Simulation, 2011, 82, 181-191.	2.4	33
139	Control and Disturbances Compensation for Doubly Fed Induction Generators Using the Derivative-Free Nonlinear Kalman Filter. IEEE Transactions on Power Electronics, 2015, 30, 5532-5547.	5.4	33
140	Exploring the reliability effects on the short term AC security-constrained unit commitment: A stochastic evaluation. Energy, 2016, 114, 1016-1032.	4.5	33
141	A New Non-linear H-infinity Feedback Control Approach for Three-phase Voltage Source Converters. Electric Power Components and Systems, 2016, 44, 302-312.	1.0	33
142	Methods for Flexible Management of Blockchain-Based Cryptocurrencies in Electricity Markets and Smart Grids. IEEE Transactions on Smart Grid, 2020, 11, 4227-4235.	6.2	33
143	A Protection Scheme for a Power System with Solar Energy Penetration. Applied Sciences (Switzerland), 2020, 10, 1516.	1.3	33
144	A Novel Real-Time Electricity Scheduling for Home Energy Management System Using the Internet of Energy. Energies, 2021, 14, 3191.	1.6	33

#	Article	IF	Citations
145	Game-Theoretic Demand Side Management of Thermostatically Controlled Loads for Smoothing Tie-Line Power of Microgrids. IEEE Transactions on Power Systems, 2021, 36, 4089-4101.	4.6	33
146	Optimal risk-constrained stochastic scheduling of microgrids with hydrogen vehicles in real-time and day-ahead markets. Journal of Cleaner Production, 2021, 318, 128452.	4.6	33
147	Risk-involved optimal operating strategy of a hybrid power generation company: A mixed interval-CVaR model. Energy, 2021, 232, 120975.	4.5	33
148	Day-Ahead Capacity Estimation and Power Management of a Charging Station Based on Queuing Theory. IEEE Transactions on Industrial Informatics, 2019, 15, 5561-5574.	7.2	32
149	Combined Monte Carlo simulation and OPF for wind turbines integration into distribution networks. Electric Power Systems Research, 2013, 103, 37-48.	2.1	31
150	Assessing the Impact of Incentive Regulation for Innovation on RES Integration. IEEE Transactions on Power Systems, 2014, 29, 2499-2508.	4.6	31
151	Nonlinear H-infinity control for 4-DOF underactuated overhead cranes. Transactions of the Institute of Measurement and Control, 2018, 40, 2364-2377.	1.1	31
152	Multiple Home-to-Home Energy Transactions for Peak Load Shaving. IEEE Transactions on Industry Applications, 2020, 56, 1074-1085.	3.3	31
153	Wavelet-Alienation-Neural-Based Protection Scheme for STATCOM Compensated Transmission Line. IEEE Transactions on Industrial Informatics, 2021, 17, 2557-2565.	7.2	31
154	Optimal allocation of wind turbines in microgrids by using genetic algorithm. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 613-619.	3.3	30
155	A Model for Wind Turbines Placement Within a Distribution Network Acquisition Market. IEEE Transactions on Industrial Informatics, 2015, 11, 210-219.	7.2	30
156	Evaluating the impact of sub-hourly unit commitment method on spinning reserve in presence of intermittent generators. Energy, 2016, 113, 338-354.	4.5	30
157	Investigation on the Development of a Sliding Mode Controller for Constant Power Loads in Microgrids. Energies, 2017, 10, 1086.	1.6	30
158	A Novel Multiobjective OPP for Power System Small Signal Stability Assessment Considering WAMS Uncertainties. IEEE Transactions on Industrial Informatics, 2020, 16, 3039-3050.	7.2	30
159	An Optimal Home Energy Management Paradigm With an Adaptive Neuro-Fuzzy Regulation. IEEE Access, 2020, 8, 19614-19628.	2.6	30
160	Peer-to-Peer Energy Trading Between Wind Power Producer and Demand Response Aggregators for Scheduling Joint Energy and Reserve. IEEE Systems Journal, 2021, 15, 705-714.	2.9	30
161	Agent-based architecture for designing hybrid control systems. Information Sciences, 2006, 176, 1103-1130.	4.0	29
162	Designing fuzzy logic controllers for DCâ€"DC converters using multi-objective particle swarm optimization. Electric Power Systems Research, 2014, 112, 74-83.	2.1	29

#	Article	IF	Citations
163	A new active portfolio risk management for an electricity retailer based on a drawdown risk preference. Energy, 2017, 118, 387-398.	4.5	29
164	Risk-based planning of the distribution network structure considering uncertainties in demand and cost of energy. Energy, 2017, 119, 578-587.	4.5	29
165	A comprehensive framework for optimal day-ahead operational planning of self-healing smart distribution systems. International Journal of Electrical Power and Energy Systems, 2018, 99, 28-44.	3.3	29
166	Optimal Scheduling of the Integrated Electricity and Natural Gas Systems Considering the Integrated Demand Response of Energy Hubs. IEEE Systems Journal, 2021, 15, 4545-4553.	2.9	29
167	Evaluating the Benefits of Optimal Allocation of Wind Turbines for Distribution Network Operators. IEEE Systems Journal, 2015, 9, 629-638.	2.9	28
168	A two-stage robust-intelligent controller design for efficient LFC based on Kharitonov theorem and fuzzy logic. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 1445-1454.	3.3	28
169	Networked Stackelberg Competition in a Demand Response Market. Applied Energy, 2019, 239, 680-691.	5.1	28
170	Intrusion-Detector-Dependent Frequency Regulation for Microgrids Under Denial-of-Service Attacks. IEEE Systems Journal, 2020, 14, 2593-2596.	2.9	28
171	Assessing the Effectiveness of Weighted Information Gap Decision Theory Integrated With Energy Management Systems for Isolated Microgrids. IEEE Transactions on Industrial Informatics, 2020, 16, 5286-5299.	7.2	28
172	Game Theory-Based Energy-Management Method Considering Autonomous Demand Response and Distributed Generation Interactions in Smart Distribution Systems. IEEE Systems Journal, 2021, 15, 905-914.	2.9	28
173	Electric Vehicles integration in demand response programs. , 2014, , .		27
174	A novel strategy for optimal placement of locally controlled voltage regulators in traditional distribution systems. International Journal of Electrical Power and Energy Systems, 2018, 96, 11-22.	3.3	27
175	An Improved UFLS Scheme based on Estimated Minimum Frequency and Power Deficit. , 2019, , .		27
176	Sustainable Smart Cities Through the Lens of Complex Interdependent Infrastructures: Panorama and State-of-the-art. Studies in Systems, Decision and Control, 2019, , 45-68.	0.8	27
177	Optimal Voltage Regulator for Inverter Interfaced Distributed Generation Units Part Đ†: Control System. IEEE Transactions on Sustainable Energy, 2020, 11, 2813-2824.	5.9	27
178	Shunt capacitor placement in radial distribution networks considering switching transients decision making approach. International Journal of Electrical Power and Energy Systems, 2017, 92, 167-180.	3.3	26
179	A multi-objective hybrid GA and TOPSIS approach for sizing and siting of DG and RTU in smart distribution grids. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 105-122.	3.3	26
180	Energy-Aware Online Non-Clairvoyant Scheduling Using Speed Scaling with Arbitrary Power Function. Applied Sciences (Switzerland), 2019, 9, 1467.	1.3	26

#	Article	IF	Citations
181	Management of renewableâ€based multiâ€energy microgrids in the presence of electric vehicles. IET Renewable Power Generation, 2020, 14, 417-426.	1.7	26
182	Exploring the trade-off between competing objectives for electricity energy retailers through a novel multi-objective framework. Energy Conversion and Management, 2015, 91, 12-18.	4.4	25
183	Optimal day-ahead operational planning of microgrids. Energy Conversion and Management, 2016, 126, 142-157.	4.4	25
184	Clustering of electrical load patterns and time periods using uncertainty-based multi-level amplitude thresholding. International Journal of Electrical Power and Energy Systems, 2020, 117, 105624.	3.3	25
185	A Comprehensive and Efficient Decentralized Framework for Coordinated Multiperiod Economic Dispatch of Transmission and Distribution Systems. IEEE Systems Journal, 2021, 15, 2583-2594.	2.9	25
186	A Novel Modified Control Scheme in Grid-Tied Photovoltaic System for Power Quality Enhancement. IEEE Transactions on Industrial Electronics, 2021, 68, 11100-11110.	5.2	25
187	Systematic literature review of photovoltaic output power forecasting. IET Renewable Power Generation, 2020, 14, 3961-3973.	1.7	25
188	A Comprehensive Analysis and Hardware Implementation of Control Strategies for High Output Voltage DC-DC Boost Power Converter. International Journal of Computational Intelligence Systems, 2017, 10, 140.	1.6	25
189	Scheduling of PV inverter reactive power set-point and battery charge/discharge profile for voltage regulation in low voltage networks. International Journal of Electrical Power and Energy Systems, 2019, 107, 131-139.	3.3	24
190	Recognition of Islanding and Operational Events in Power System With Renewable Energy Penetration Using a Stockwell Transform-Based Method. IEEE Systems Journal, 2022, 16, 166-175.	2.9	24
191	Power Quality Enhancement in Sensitive Local Distribution Grid Using Interval Type-II Fuzzy Logic Controlled DSTATCOM. IEEE Access, 2021, 9, 59888-59899.	2.6	24
192	Local Energy Trading in Future Distribution Systems. Energies, 2021, 14, 3110.	1.6	24
193	Design and implementation of a smart metering infrastructure for low voltage microgrids. International Journal of Electrical Power and Energy Systems, 2022, 134, 107375.	3.3	24
194	Intelligent Classifiers in Distinguishing Transformer Faults Using Frequency Response Analysis. IEEE Access, 2021, 9, 13981-13991.	2.6	24
195	Extended Fuzzy C-Means and Genetic Algorithms to Optimize Power Flow Management in Hybrid Electric Vehicles. Fuzzy Optimization and Decision Making, 2003, 2, 359-374.	3.4	23
196	Identification of ferroresonance based on S-transform and support vector machine. Simulation Modelling Practice and Theory, 2010, 18, 1412-1424.	2.2	23
197	A new algorithm for steady state load-shedding strategy. , 2010, , .		23
198	A Distributed State Estimation Approach to Condition Monitoring of Nonlinear Electric Power Systems. Asian Journal of Control, 2013, 15, 849-860.	1.9	23

#	ARTICLE	IF	CITATIONS
199	Evaluating the Operational Flexibility of Generation Mixture With an Innovative Techno-Economic Measure. IEEE Transactions on Power Systems, 2018, 33, 2205-2218.	4.6	23
200	Damping of Low-Frequency Oscillations in Power Systems by Large-Scale PV Farms: A Comprehensive Review of Control Methods. IEEE Access, 2021, 9, 72183-72206.	2.6	23
201	Optimal Integration of Capacitor and Distributed Generation in Distribution System Considering Load Variation Using Bat Optimization Algorithm. Energies, 2021, 14, 3548.	1.6	23
202	Robust Mixed-Integer Programing Model for Reconfiguration of Distribution Feeders Under Uncertain and Variable Loads Considering Capacitor Banks, Voltage Regulators, and Protective Relays. IEEE Transactions on Industrial Informatics, 2022, 18, 7790-7803.	7.2	23
203	A Novel Solution for Day-Ahead Scheduling Problems Using the IoT-Based Bald Eagle Search Optimization Algorithm. Inventions, 2022, 7, 48.	1.3	23
204	Risk-based planning of distribution substation considering technical and economic uncertainties. Electric Power Systems Research, 2016, 135, 18-26.	2.1	22
205	An Effective Passive Islanding Detection Algorithm for Distributed Generations. Energies, 2019, 12, 3160.	1.6	22
206	Primary Frequency Response Improvement in Interconnected Power Systems Using Electric Vehicle Virtual Power Plants. World Electric Vehicle Journal, 2020, 11, 40.	1.6	22
207	VMShield: Memory Introspection-Based Malware Detection to Secure Cloud-Based Services Against Stealthy Attacks. IEEE Transactions on Industrial Informatics, 2021, 17, 6754-6764.	7.2	22
208	Optimal wind turbines placement within a distribution market environment. Applied Soft Computing Journal, 2013, 13, 4038-4046.	4.1	21
209	Demand Response in Future Power Networks: Panorama and State-of-the-art. Studies in Systems, Decision and Control, 2019, , 167-191.	0.8	21
210	Optimal generation scheduling of large-scale multi-zone combined heat and power systems. Energy, 2020, 210, 118497.	4.5	21
211	A stochastic short-term scheduling of virtual power plants with electric vehicles under competitive markets. International Journal of Electrical Power and Energy Systems, 2021, 124, 106343.	3.3	21
212	Short-term reliability and economic evaluation of resilient microgrids under incentive-based demand response programs. International Journal of Electrical Power and Energy Systems, 2022, 138, 107918.	3.3	20
213	Hybrid non-isolated and non inverting Nx interleaved DC-DC multilevel boost converter for renewable energy applications. , 2016, , .		19
214	Flatness-Based Control of DC-DC Converters Implemented in Successive Loops. Electric Power Components and Systems, 2018, 46, 673-687.	1.0	19
215	Design and Development of Non-Isolated Modified SEPIC DC-DC Converter Topology for High-Step-Up Applications: Investigation and Hardware Implementation. Energies, 2020, 13, 3960.	1.6	19
216	A Bi-Layer Multi-Objective Techno-Economical Optimization Model for Optimal Integration of Distributed Energy Resources into Smart/Micro Grids. Energies, 2020, 13, 1706.	1.6	19

#	ARTICLE	IF	CITATIONS
217	Optimal Voltage Regulator for Inverter Interfaced Distributed Generation Units Part II: Application. IEEE Transactions on Sustainable Energy, 2020, 11, 2825-2835.	5.9	19
218	Evaluating the Economic Benefits of a Smart-Community Microgrid with Centralized Electrical Storage and Photovoltaic Systems. Energies, 2020, 13, 1764.	1.6	19
219	Detection and Analysis of Partial Discharges in Oil-Immersed Power Transformers Using Low-Cost Acoustic Sensors. Applied Sciences (Switzerland), 2022, 12, 3010.	1.3	19
220	A Petri net based protection monitoring system for distribution networks with distributed generation. Electric Power Systems Research, 2009, 79, 1300-1307.	2.1	18
221	Strategic placement of distribution network operator owned wind turbines by using market‐based optimal power flow. IET Generation, Transmission and Distribution, 2014, 8, 281-289.	1.4	18
222	Control of DC–DC Converter and DC Motor Dynamics Using Differential Flatness Theory. Intelligent Industrial Systems, 2016, 2, 371-380.	1.0	18
223	Evaluating the reliability of multi-energy source buildings: A new analytical method for considering the dynamic behavior of thermal loads. Energy and Buildings, 2016, 126, 477-484.	3.1	18
224	Multistage switched inductor boost converter for renewable energy application. , 2017, , .		18
225	Single-point reactive power control method on voltage rise mitigation in residential networks with high PV penetration. Renewable Energy, 2018, 119, 504-512.	4.3	18
226	Internet-of-Things Hardware-in-the-Loop Simulation Architecture for Providing Frequency Regulation With Demand Response. IEEE Transactions on Industrial Informatics, 2018, 14, 5020-5028.	7.2	18
227	A Novel Combined Evolutionary Algorithm for Optimal Planning of Distributed Generators in Radial Distribution Systems. Applied Sciences (Switzerland), 2019, 9, 3394.	1.3	18
228	A New Method for Peer-to-Peer Energy Exchange in Distribution Grids. Energies, 2020, 13, 799.	1.6	18
229	Identification of Tagaki–Sugeno–Kang fuzzy model for power transformers' predictive overload system. IET Generation, Transmission and Distribution, 2004, 151, 582.	1.1	17
230	An approach to fault diagnosis of nonlinear systems using neural networks with invariance to Fourier transform. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 621-639.	3.3	17
231	Designing an Energy Management System for smart houses. , 2015, , .		17
232	A novel multilevel high gain modified SEPIC DC-to-DC converter for high voltage/low current renewable energy applications. , 2018, , .		17
233	Modeling of demand response programs based on market elasticity concept. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 2265-2276.	3.3	17
234	Real Time Demand Response Modeling for Residential Consumers in Smart Grid Considering Renewable Energy With Deep Learning Approach. IEEE Access, 2021, 9, 56551-56562.	2.6	17

#	Article	IF	Citations
235	Enhancing the Resilience of Operational Microgrids Through a Two-Stage Scheduling Strategy Considering the Impact of Uncertainties. IEEE Access, 2021, 9, 18454-18464.	2.6	17
236	A Decentralized Market Model for a Microgrid With Carbon Emission Rights. IEEE Transactions on Smart Grid, 2023, 14, 1388-1402.	6.2	17
237	A Decentralized Multi-Agent-Based Approach for Low Voltage Microgrid Restoration. Energies, 2017, 10, 1491.	1.6	16
238	A nodal approach based state-space model of droop-based autonomous networked microgrids. Sustainable Energy, Grids and Networks, 2019, 18, 100216.	2.3	16
239	A Scalable Privacy Preserving Distributed Parallel Optimization for a Large-Scale Aggregation of Prosumers With Residential PV-Battery Systems. IEEE Access, 2020, 8, 210950-210960.	2.6	16
240	Fourier Singular Values-Based False Data Injection Attack Detection in AC Smart-Grids. Applied Sciences (Switzerland), 2021, 11, 5706.	1.3	16
241	Adaptive relays for overhead line protection. Electric Power Systems Research, 2007, 77, 1552-1559.	2.1	15
242	Guest Editorial Special Section on Information Technologies in Smart Grids. IEEE Transactions on Industrial Informatics, 2013, 9, 1380-1383.	7.2	15
243	Nonlinear H-infinity feedback control for asynchronous motors of electric trains. AIP Conference Proceedings, 2015, , .	0.3	15
244	Nonlinear H-infinity control for underactuated systems: the Furuta pendulum example. International Journal of Dynamics and Control, 2018, 6, 835-847.	1.5	15
245	An Augmented Prony Method for Power System Oscillation Analysis Using Synchrophasor Data. Energies, 2019, 12, 1267.	1.6	15
246	Reinforcement learning method for plug€in electric vehicle bidding. IET Smart Grid, 2019, 2, 529-536.	1.5	15
247	Optimal placement of fuses and switches in active distribution networks using value-based MINLP. Reliability Engineering and System Safety, 2022, 217, 108075.	5.1	15
248	PMU-Based FOPID Controller of Large-Scale Wind-PV Farms for LFO Damping in Smart Grid. IEEE Access, 2021, 9, 94953-94969.	2.6	15
249	Offering and bidding for a wind producer paired with battery and CAES units considering battery degradation. International Journal of Electrical Power and Energy Systems, 2022, 136, 107685.	3.3	15
250	A novel two-stage stochastic programming model for uncertainty characterization in short-term optimal strategy for a distribution company. Energy, 2016, 117, 1-9.	4.5	14
251	A peak-load-reduction-based procedure to manage distribution network expansion by applying process-oriented costing of incoming components. Energy, 2019, 186, 115852.	4.5	14
252	A Nonlinear H-infinity Control Approach for Autonomous Truck and Trailer Systems. Unmanned Systems, 2020, 08, 49-69.	2.7	14

#	ARTICLE	IF	CITATIONS
253	Performance of Hybrid Filter in a Microgrid Integrated Power System Network Using Wavelet Techniques. Applied Sciences (Switzerland), 2020, 10, 6792.	1.3	14
254	Defect Texts Mining of Secondary Device in Smart Substation with GloVe and Attention-Based Bidirectional LSTM. Energies, 2020, 13, 4522.	1.6	14
255	Carbon-Efficient Virtual Machine Placement Based on Dynamic Voltage Frequency Scaling in Geo-Distributed Cloud Data Centers. Applied Sciences (Switzerland), 2020, 10, 2701.	1.3	14
256	A Novel k-Means Clustering and Weighted k-NN-Regression-Based Fast Transmission Line Protection. IEEE Transactions on Industrial Informatics, 2021, 17, 6034-6043.	7.2	14
257	Decentralized Stochastic Disturbance Observer-Based Optimal Frequency Control Method for Interconnected Power Systems With High Renewable Shares. IEEE Transactions on Industrial Informatics, 2022, 18, 3180-3192.	7.2	14
258	Extended fuzzy c-means and genetic algorithms to optimize power flow management in hybrid electric vehicles. , 0, , .		13
259	Using multi-objective optimal power flow for reducing magnetic fields from power lines. Electric Power Systems Research, 2004, 68, 93-101.	2.1	13
260	A Fuzzy Based Safe Power Management Algorithm for Energy Storage Systems in Electric Vehicles. , 2006, , .		13
261	Smart real-time scheduling of generating units in an electricity market considering environmental aspects and physical constraints of generators. Applied Energy, 2017, 189, 667-696.	5.1	13
262	Contribution of tidal power generation system for damping inter-area oscillation. Energy Conversion and Management, 2017, 132, 136-146.	4.4	13
263	A multi-stage linearized interactive operation model of smart distribution grid with residential microgrids. International Journal of Electrical Power and Energy Systems, 2019, 108, 456-471.	3.3	13
264	Optimal placement of switched capacitors equipped with stand-alone voltage control systems in radial distribution networks. International Transactions on Electrical Energy Systems, 2019, 29, e2753.	1.2	13
265	Assessing the Use of Reinforcement Learning for Integrated Voltage/Frequency Control in AC Microgrids. Energies, 2020, 13, 1250.	1.6	13
266	Simultaneous reactive power sharing and voltage regulation in an autonomous networked microgrid. IET Generation, Transmission and Distribution, 2020, 14, 1366-1377.	1.4	13
267	A Quantitative Resilience Measure Framework for Power Systems Against Wide-Area Extreme Events. IEEE Systems Journal, 2021, 15, 915-922.	2.9	13
268	Managing Multitype Capacity Resources for Frequency Regulation in Unit Commitment Integrated With Large Wind Ramping. IEEE Transactions on Sustainable Energy, 2021, 12, 705-714.	5.9	13
269	Comparative Study of Hysteresis Controller, Resonant Controller and Direct Torque Control of Five-Phase IM under Open-Phase Fault Operation. Energies, 2021, 14, 1317.	1.6	13
270	An optimal probabilistic spinning reserve quantification scheme considering frequency dynamic response in smart power environment. International Transactions on Electrical Energy Systems, 2021, 31, e13052.	1.2	13

#	Article	IF	Citations
271	Towards Blockchain-Based Energy Trading: A Smart Contract Implementation of Energy Double Auction and Spinning Reserve Trading. Energies, 2022, 15, 4084.	1.6	13
272	Strategic Placement of Wind Turbines in Smart Grids. International Journal of Emerging Electric Power Systems, 2012, 13, .	0.6	12
273	Decentralised control of parallel inverters connected to microgrid using the derivative€free non€linear Kalman filter. IET Power Electronics, 2015, 8, 1164-1180.	1.5	12
274	Comparative analysis of common MPPT techniques for solar PV system with soft switched, interleaved isolated converter. , 2017, , .		12
275	Optimal Demand Response Strategies to Mitigate Oligopolistic Behavior of Generation Companies Using a Multi-Objective Decision Analysis. IEEE Transactions on Power Systems, 2018, 33, 4264-4274.	4.6	12
276	Reliability modeling of process-oriented smart monitoring in the distribution systems. International Journal of Electrical Power and Energy Systems, 2019, 109, 20-28.	3.3	12
277	Methods and Systems for a Smart Energy City. IEEE Transactions on Industrial Electronics, 2019, 66, 1363-1367.	5.2	12
278	Adaptive neurofuzzy H-infinity control of DC€"DC voltage converters. Neural Computing and Applications, 2020, 32, 2507-2520.	3.2	12
279	Assessing the optimal generation technology mix determination considering demand response and EVs. International Journal of Electrical Power and Energy Systems, 2020, 119, 105871.	3.3	12
280	A Survey on FOPID Controllers for LFO Damping in Power Systems Using Synchronous Generators, FACTS Devices and Inverter-Based Power Plants. Energies, 2021, 14, 5983.	1.6	12
281	Optimal Allocation of Power-Electronic Interfaced Wind Turbines Using a Genetic Algorithm €" Monte Carlo Hybrid Optimization Method. Green Energy and Technology, 2010, , 1-23.	0.4	12
282	Distributed state estimation for condition monitoring of nonlinear electric power systems. , 2011, , .		11
283	PMSG sensorless control with the use of the derivative-free nonlinear Kalman filter. , 2013, , .		11
284	Guest Editorial Modeling, Simulation, and Application of Cyber-Physical Energy Systems. IEEE Transactions on Industrial Informatics, 2014, 10, 2244-2246.	7.2	11
285	A novel 2L-Y DC-DC converter topologies for high conversion ratio renewable application. , 2017, , .		11
286	A novel switched inductor configuration for modified SEPIC DC-to-DC converter for renewable energy application. , 2017, , .		11
287	A Nonlinear H-Infinity Control Approach to Stabilization of Distributed Synchronous Generators. IEEE Systems Journal, 2018, 12, 2654-2663.	2.9	11
288	Introducing Smart Cities: A Transdisciplinary Journal on the Science and Technology of Smart Cities. Smart Cities, 2018, 1, 1-3.	5.5	11

#	Article	IF	Citations
289	A novel approach for distant wind farm interconnection: Iran South-West wind farms integration. Renewable Energy, 2019, 140, 737-750.	4.3	11
290	Modeling Noncooperative Game of GENCOsâ€™ Participation in Electricity Markets With Prospect Theory. IEEE Transactions on Industrial Informatics, 2019, 15, 5489-5496.	7.2	11
291	Analysis of artificial neural network performance based on influencing factors forÂtemperature forecasting applications. Journal of High Speed Networks, 2020, 26, 209-223.	0.6	11
292	Paving the Path for Two-Sided Energy Markets: An Overview of Different Approaches. IEEE Access, 2020, 8, 223708-223722.	2.6	11
293	Energy Block-Based Peer-to-Peer Contract Trading With Secure Multi-Party Computation in Nanogrid. IEEE Transactions on Smart Grid, 2022, 13, 4759-4772.	6.2	11
294	Identifying fault location in distribution systems with high Distributed Generation penetration. , 2009, , .		10
295	A FPGA/fuzzy logic - Based multilevel inverter. , 2009, , .		10
296	Sensorless Control of Electric Motors with Kalman Filters: Applications to Robotic and Industrial Systems. International Journal of Advanced Robotic Systems, 2011, 8, 71.	1.3	10
297	An H-infinity feedback control approach to autonomous robot navigation. , 2014, , .		10
298	A new concept on flatness-based control of nonlinear dynamical systems. , 2015, , .		10
299	Control of Quadrotors with the Use of the Derivative-Free Nonlinear Kalman Filter. Intelligent Industrial Systems, 2015, 1, 275-287.	1.0	10
300	An H-infinity nonlinear control approach for multi-DOF robotic manipulators. IFAC-PapersOnLine, 2016, 49, 1406-1411.	0.5	10
301	A high gain modified SEPIC DC-to-DC boost converter for renewable energy application. , 2017, , .		10
302	Nonlinear optimal control for wind power generators comprising a multi-mass drivetrain and a DFIG. Journal of the Franklin Institute, 2019, 356, 2582-2605.	1.9	10
303	Risk Assessment of Smart Substation Relay Protection System Based on Markov Model and Risk Transfer Network. Energies, 2020, 13, 1777.	1.6	10
304	Novel Switching Frequency FCS-MPC of PMSG for Grid-Connected Wind Energy Conversion System with Coordinated Low Voltage Ride Through. Electronics (Switzerland), 2021, 10, 492.	1.8	10
305	Bi-level sitting and sizing of flexi-renewable virtual power plants in the active distribution networks. International Journal of Electrical Power and Energy Systems, 2022, 137, 107800.	3.3	10
306	Practical Insights to Design a Blockchain-Based Energy Trading Platform. IEEE Access, 2021, 9, 154827-154844.	2.6	10

#	ARTICLE	IF	CITATIONS
307	Analysis of Electric Vehicles with an Economic Perspective for the Future Electric Market. Future Internet, 2022, 14, 172.	2.4	10
308	Dynamic Performances and Control of Dispersed Generators Connected through Inverter. , 0, , .		9
309	Sensorless nonlinear control of induction motors using Unscented Kalman Filtering. , 2012, , .		9
310	Optimal operation of Smart Grids with demand side management. , 2013, , .		9
311	New Trends in Intelligent Energy Systemsâ€"An Industrial Electronics Point of View. IEEE Transactions on Industrial Electronics, 2015, 62, 2420-2423.	5.2	9
312	Evaluating the Impact of Registered Power Zones Incentive on Wind Systems Integration in Active Distribution Networks. IEEE Transactions on Industrial Informatics, 2015, 11, 523-530.	7.2	9
313	Optimal behavior of smart households facing with both price-based and incentive-based demand response programs. , 2017, , .		9
314	Combined Operation of Electrical Loads, Air Conditioning and Photovoltaic-Battery Systems in Smart Houses. Applied Sciences (Switzerland), 2017, 7, 525.	1.3	9
315	A New Voltage Doubler Based DC-DC 2LC$_m$-Y Power Converter Topologies for High-Voltage/Low-Current Renewable Energy Applications. , 2018, , .		9
316	Assessing the benefits of capacity payment, feedâ€inâ€tariff and timeâ€ofâ€use programme on longâ€term renewable energy sources integration. IET Smart Grid, 2019, 2, 602-611.	1.5	9
317	A comprehensive assessment of power system resilience to a hurricane using a two-stage analytical approach incorporating risk-based index. Sustainable Energy Technologies and Assessments, 2020, 42, 100831.	1.7	9
318	Hybridization of the Stockwell Transform and Wigner Distribution Function to Design a Transmission Line Protection Scheme. Applied Sciences (Switzerland), 2020, 10, 7985.	1.3	9
319	Reduction of Ripple Toothed Torque in the Internal Permanent Magnet Electric Motor by Creating Optimal Combination of Holes in the Rotor Surface Considering Harmonic Effects. IEEE Access, 2020, 8, 215107-215124.	2.6	9
320	Investigating the impacts of feeder reforming and distributed generation on reactive power demand of distribution networks. Sustainable Energy, Grids and Networks, 2020, 22, 100350.	2.3	9
321	Optimal management of demand response aggregators considering customers' preferences within distribution networks. IET Generation, Transmission and Distribution, 2020, 14, 5571-5579.	1.4	9
322	Enabling demand response for optimal deployment of multiâ€carrier microgrids incorporating incentives. IET Renewable Power Generation, 2022, 16, 547-564.	1.7	9
323	Incipient fault detection for electric power transformers using neural modeling and the local statistical approach to fault diagnosis. , 2012, , .		8
324	Derivative-free nonlinear Kalman Filtering for control of three-phase voltage source converters. , 2013, , .		8

#	Article	IF	Citations
325	A novel method for evaluating the impact of residential demand response in a real time distribution energy market. Journal of Ambient Intelligence and Humanized Computing, 2016, 7, 533-545.	3.3	8
326	Safe transition from connection mode to islanding mode in Microgrids. , 2016, , .		8
327	A probabilistic determination of required reserve levels in an energy and reserve co-optimized electricity market with variable generation. Energy, 2017, 130, 258-275.	4.5	8
328	A new coordinated design of sectionalizing scheme and load restoration process considering reliability of transmission system. International Journal of Electrical Power and Energy Systems, 2018, 102, 23-37.	3.3	8
329	Fault diagnosis of gas-turbine power units with the derivative-free nonlinear Kalman Filter. Electric Power Systems Research, 2019, 174, 105810.	2.1	8
330	Determination of optimal reserve contribution of thermal units to afford the wind power uncertainty. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 1565-1576.	3.3	8
331	Improved Hybridization of Evolutionary Algorithms with a Sensitivity-Based Decision-Making Technique for the Optimal Planning of Shunt Capacitors in Radial Distribution Systems. Applied Sciences (Switzerland), 2020, 10, 1384.	1.3	8
332	Flexible stochastic scheduling of microgrids with islanding operation complemented by optimal offering strategies. CSEE Journal of Power and Energy Systems, 2020, , .	1.7	8
333	A Flexible Risk-Averse Strategy Considering Uncertainties of Demand and Multiple Wind Farms in Electrical Grids. IEEE Transactions on Industrial Informatics, 2022, 18, 2255-2263.	7.2	8
334	Evaluating the Impact of Bilateral Contracts on the Offering Strategy of a Price Maker Wind Power Producer. IEEE Transactions on Industrial Informatics, 2022, 18, 4331-4341.	7.2	8
335	A Self-Tuning Cyber-Attacks' Location Identification Approach for Critical Infrastructures. IEEE Transactions on Industrial Informatics, 2022, 18, 5018-5027.	7.2	8
336	Enhancing information security of renewable smart grids by utilizing an integrated online-offline framework. International Journal of Electrical Power and Energy Systems, 2022, 138, 107954.	3.3	8
337	Guest Editorial: Security and Privacy for Cloud-Assisted Internet of Things (IoT) and Smart Grid. IEEE Transactions on Industrial Informatics, 2022, 18, 4966-4968.	7.2	8
338	Electric Vehicle Charging Load Allocation at Residential Locations Utilizing the Energy Savings Gained by Optimal Network Reconductoring. Smart Cities, 2022, 5, 177-205.	5.5	8
339	A survey and comparison of leading-edge uncertainty handling methods for power grid modernization. Expert Systems With Applications, 2022, 204, 117590.	4.4	8
340	Achieving transparency and adaptivity in fuzzy control framework: an application to power transformers predictive overload system. , 0, , .		7
341	Design and implementation of a fuzzy controller for wind generators performance optimisation. , 2007, , .		7
342	Detection of inrush current using S-Transform and Competitive Neural Network. , 2010, , .		7

#	Article	IF	Citations
343	DFIG control using Differential Flatness theory and Extended Kalman Filtering. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1763-1770.	0.4	7
344	Fuzzy Control of Multilevel Inverters for Fuel Cell Generator Sets. Power Systems, 2012, , 83-102.	0.3	7
345	Fault ride-through enhancement of wind turbines in distribution networks. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 605-611.	3.3	7
346	Flatness-Based Adaptive Fuzzy Control Of Spark-Ignited Engines. Journal of Artificial Intelligence and Soft Computing Research, 2014, 4, 231-242.	3.5	7
347	Guest Editorial New Trends in Intelligent Energy Systemsâ€"An Industrial Informatics Points of View. IEEE Transactions on Industrial Informatics, 2015, 11, 207-209.	7.2	7
348	Optimal Demand Response Programs for improving the efficiency of day-ahead electricity markets using a multi attribute decision making approach. , 2016, , .		7
349	Single-phase seven-level stack multicell converter using level shifting SPWM technique. , 2016, , .		7
350	Nonlinear optimal control for autonomous navigation of a truck and trailer system. , 2017, , .		7
351	A Nonlinear Optimal Control Approach to Stabilization of Business Cycles of Finance Agents. Computational Economics, 2019, 53, 1111-1131.	1.5	7
352	Nonâ€linear optimal control for the hotâ€steel rolling mill system. IET Collaborative Intelligent Manufacturing, 2019, 1, 97-107.	1.9	7
353	Active Distribution Network Modeling for Enhancing Sustainable Power System Performance; a Case Study in Egypt. Sustainability, 2020, 12, 8991.	1.6	7
354	A novel resource allocation model based on the modularity concept for resiliency enhancement in electric distribution networks. International Journal of Energy Research, 2021, 45, 13471-13488.	2.2	7
355	Control of LPV Modeled AC-Microgrid Based on Mixed H_2/H_∞ Time-Varying Linear State Feedback and Robust Predictive Algorithm. IEEE Access, 2022, 10, 3738-3755.	2.6	7
356	A sequential hybridization of ETLBO and IPSO for solving reserveâ€constrained combined heat, power and economic dispatch problem. IET Generation, Transmission and Distribution, 2022, 16, 1930-1949.	1.4	7
357	Performance Improvement of Very Short-term Prediction Intervals for Regional Wind Power Based on Composite Conditional Nonlinear Quantile Regression. Journal of Modern Power Systems and Clean Energy, 2022, 10, 60-70.	3.3	7
358	DG and protection systems in distribution network: Failure monitoring system based on petri nets. , 2007, , .		6
359	Energy management system for smart homes: Testing methodology and test-case generation. , 2013, , .		6
360	An H-infinity feedback control approach for three-phase voltage source converters. , 2014, , .		6

#	Article	IF	Citations
361	A nonlinear H-infinity feedback control approach for asynchronous generators. , 2015, , .		6
362	Feedback control of the multi-asset Blackâ€"Scholes PDE using differential flatness theory. International Journal of Financial Engineering, 2016, 03, 1650008.	0.2	6
363	eRouting: An Eco-Friendly Navigation Algorithm for Traffic Information Industry. IEEE Transactions on Industrial Informatics, 2017, 13, 562-571.	7.2	6
364	Minimization of interline dynamic voltage restorers rated apparent power in an industrial area consisting of two independent feeders considering daily load variations. Electric Power Systems Research, 2017, 149, 65-75.	2.1	6
365	A Nonlinear Optimal Control Approach of Insulin Infusion for Blood Glucose Levels Regulation. Intelligent Industrial Systems, 2017, 3, 91-102.	1.0	6
366	Electric field analysis of extra high voltage (EHV) underground cables using finite element method. , 2017, , .		6
367	Forecasting of Power Corporationsâ€™ Default Probability With Nonlinear Kalman Filtering. IEEE Systems Journal, 2018, 12, 1099-1107.	2.9	6
368	Nonlinear H-Infinity Control for Optimizing Cement Production. , 2018, , .		6
369	A Nonlinear Optimal Control Approach for Industrial Production Under an Oligopoly Model. IEEE Systems Journal, 2019, 13, 1991-2000.	2.9	6
370	Stochastic Economic Dispatch Incorporating Commercial Electric Vehicles and Fluctuating Energy Sources. IEEE Access, 2020, 8, 216332-216348.	2.6	6
371	A Distributed Electric Vehicle Charging Scheduling Platform Considering Aggregators Coordination. IEEE Access, 2021, 9, 151294-151305.	2.6	6
372	Reinforcing Data Integrity in Renewable Hybrid AC-DC Microgrids from Social-Economic Perspectives. ACM Transactions on Sensor Networks, 2023, 19, 1-19.	2.3	6
373	Harmonics Constrained Approach to Composite Power System Expansion Planning with Large-Scale Renewable Energy Sources. Energies, 2022, 15, 4070.	1.6	6
374	Assessing the Scalability and Privacy of Energy Communities by Using a Large-Scale Distributed and Parallel Real-Time Optimization. IEEE Access, 2022, 10, 69771-69787.	2.6	6
375	Improving reliability system by optimal sectionaliser placement in smart distribution grid. , 2010, , .		5
376	An analytical algorithm for Selective Harmonic Elimination and efficient control in five-level inverters. , 2013, , .		5
377	Hextuple-inverter configuration for multilevel nine-phase symmetrical open-winding converter. , 2016, , .		5
378	AUV Control and Navigation with Differential Flatness Theory and Derivative-Free Nonlinear Kalman Filtering. Intelligent Industrial Systems, 2017, 3, 29-41.	1.0	5

#	Article	IF	Citations
379	Nonlinear optimal control for Synchronous Reluctance Machines. , 2017, , .		5
380	Flatness-based adaptive fuzzy control of chaotic finance dynamics. AIP Conference Proceedings, 2017, , .	0.3	5
381	A Comprehensive Model to Integrate Emerging Resources From Supply and Demand Sides. IEEE Transactions on Smart Grid, 2018, 9, 3883-3896.	6.2	5
382	Dynamic State Estimation for Synchronous Machines Based on Adaptive Ensemble Square Root Kalman Filter. Applied Sciences (Switzerland), 2019, 9, 5200.	1.3	5
383	Analyzing Six Indices for Online Short-Term Voltage Stability Monitoring in Power Systems. Applied Sciences (Switzerland), 2020, 10, 4200.	1.3	5
384	Nonlinear optimal control of electro-hydraulic actuators. IFAC Journal of Systems and Control, 2021, 15, 100130.	1.1	5
385	Modeling of unforced demand response programs. International Journal of Emerging Electric Power Systems, 2021, 22, 233-241.	0.6	5
386	Optimal bidding of profit-seeking virtual associations of smart prosumers considering peer to peer energy sharing strategy. International Journal of Electrical Power and Energy Systems, 2021, 132, 107175.	3.3	5
387	Enhancing security and observability of distribution systems with optimal placement of Î¼PMUs and firewalls. International Journal of Electrical Power and Energy Systems, 2022, 135, 107601.	3.3	5
388	Offering Strategy of Thermal-Photovoltaic-Storage Based Generation Company in Day-Ahead Market. , 2020, , 113-133.		5
389	A nonlinear optimal control approach to stabilization of a macroeconomic development model. Quantitative Finance and Economics, 2018, 2, 373-387.	1.4	5
390	An Optimal Procedure for Sizing and Siting of DGs and Smart Meters in Active Distribution Networks Considering Loss Reduction. Journal of Electrical Engineering and Technology, 2015, 10, 804-811.	1.2	5
391	A nonlinear optimal control approach for underactuated power-line inspection robots. Robotica, 2022, 40, 1979-2009.	1.3	5
392	Frequency response models and control in smart power systems with high penetration of renewable energy sources. Computers and Electrical Engineering, 2021, 96, 107477.	3.0	5
393	Inverter-based modeling and energy efficiency analysis of off-grid hybrid power system in distributed generation. Computers and Electrical Engineering, 2021, 96, 107476.	3.0	5
394	A New Modulated Finite Control Set-Model Predictive Control of Quasi-Z-Source Inverter for PMSM Drives. Electronics (Switzerland), 2021, 10, 2814.	1.8	5
395	Strategic Offering of a Price Maker Wind Power Producer in Distribution-Level Energy Markets in Presence of Flexible Prosumers. IEEE Access, 2022, 10, 21475-21485.	2.6	5
396	Inrush current detection based on wavelet transform and Probabilistic Neural Network. , 2010, , .		4

#	Article	IF	Citations
397	A fuzzy-logic-controlled resonant converter for renewable energy sources applications. , 2011, , .		4
398	A Fuzzy Logic Controller to Increase Fault Ride-Through Capability of Variable Speed Wind Turbines. Applied Computational Intelligence and Soft Computing, 2012, 2012, 1-10.	1.6	4
399	Doubly-fed induction generators control using the derivative-free nonlinear Kalman Filter. , 2013, , .		4
400	Advances in information technology for Smart Grids. , 2013, , .		4
401	Definition and application of innovative control logics for residential energy optimization. , 2014, , .		4
402	Distributed Control of Unmanned Surface Vessels Using the Derivative-free Nonlinear Kalman Filter. Intelligent Industrial Systems, 2015, 1, 99-126.	1.0	4
403	An H-infinity approach to optimal control of doubly-fed reluctance machines. IFAC-PapersOnLine, 2016, 49, 116-122.	0.5	4
404	Dual mode control of inverter to integrate solar-wind hybrid fed DC-grid with distributed AC grid. , 2016, , .		4
405	A PEM Fuel Cells Control Approach Based on Differential Flatness Theory. Intelligent Industrial Systems, 2016, 2, 107-117.	1.0	4
406	Coordinated DTC and VOC control for PMSG based grid connected wind energy conversion system. , 2017, , .		4
407	A nonlinear H-infinity approach to optimal control of PEM fuel cells. , 2017, , .		4
408	Flatness-Based Control in Successive Loops for Business Cycles of Finance Agents. Intelligent Industrial Systems, 2017, 3, 77-89.	1.0	4
409	An adaptive neurofuzzy H-infinity control method for bioreactors and biofuels production. , 2017, , .		4
410	Optimization of olive-oil extraction using nonlinear H-infinity control. IFAC-PapersOnLine, 2018, 51, 439-444.	0.5	4
411	A nonlinear optimal control approach for PM Linear Synchronous Motors. , 2018, , .		4
412	Condition monitoring of wind-power units using the Derivative-free nonlinear Kalman Filter. , 2018, , .		4
413	Smart grid and power quality issues. , 2018, , 195-202.		4
414	Optimal Home Energy Management For Electric Flexibility Provision. , 2019, , .		4

#	Article	IF	Citations
415	Bacterial Foraging Algorithm & Demand Response Programs for a Probabilistic Transmission Expansion Planning With the Consideration of Uncertainties and Voltage Stability Index. Canadian Journal of Electrical and Computer Engineering, 2021, 44, 179-188.	1.5	4
416	A Peer-to-Peer Energy Trading Framework for Wind Power Producers With Load Serving Entities in Retailing Layer. IEEE Systems Journal, 2022, 16, 649-658.	2.9	4
417	Flatnessâ€based control for steamâ€turbine power generation units using a disturbance observer. IET Electric Power Applications, 2021, 15, 1013-1028.	1.1	4
418	A Real-Time Energy Management System Design for a Developed PV-Based Distributed Generator Considering the Grid Code Requirements in Turkey. Energies, 2021, 14, 6684.	1.6	4
419	A robust model for generation and transmission expansion planning with emission constraints. Simulation, 2020, 96, 605-621.	1.1	4
420	Power Quality Enhancement of the Distribution Network by Multilevel STATCOM-Compensated Based on Improved One-Cycle Controller. IEEE Access, 2022, 10, 50578-50588.	2.6	4
421	Pre-Perturbation Operational Strategy Scheduling in Microgrids by Two-Stage Adjustable Robust Optimization. IEEE Access, 2022, 10, 74655-74670.	2.6	4
422	Protection System Monitoring in Electric Networks with Embedded Generation Using Petri Nets. International Journal of Emerging Electric Power Systems, 2008, 9, .	0.6	3
423	Evaluating the benefits deriving from voltage control capabilities of wind distributed generation. , 2009, , .		3
424	Multilevel inverters and fuzzy logic for fuel cells power conditioning and control. , 2010, , .		3
425	Optimal allocation of wind turbines in distribution systems based on social welfare evaluation. , 2011, , .		3
426	Social welfare maximization for optimal allocation of wind turbines in distribution systems. , 2011, , .		3
427	Optimal Allocation of Wind Turbines in Active Distribution Networks by Using Multi-Period Optimal Power Flow and Genetic Algorithms. Green Energy and Technology, 2012, , 249-268.	0.4	3
428	Smart Grids Operation with Distributed Generation and Demand Side Management. Green Energy and Technology, 2012, , 27-46.	0.4	3
429	Special issue on advanced computational intelligence systems for smart grids planning and management. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 603-604.	3.3	3
430	Robust control of valves in ship diesel engines with the use of the Derivative-free nonlinear Kalman filter. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2014, 228, 631-644.	0.7	3
431	Flatness-based nonlinear embedded control and filtering for spark-ignited engines. AIP Conference Proceedings, 2014, , .	0.3	3
432	Analysis of the effect of distributed generation on life expectancy of power cables. International Transactions on Electrical Energy Systems, 2014, 24, 698-712.	1.2	3

#	Article	IF	Citations
433	Flatness-Based Adaptive Fuzzy Control of Autonomous Submarines. Intelligent Industrial Systems, 2015, 1, 187-200.	1.0	3
434	A Global Linearization Approach to Control and State Estimation of a Voltage Source Converter: HVDC System. Intelligent Industrial Systems, 2015, 1, 331-344.	1.0	3
435	Nonlinear Feedback Control of Three-Phase Inverter Systems Using the Derivative-Free Nonlinear Kalman Filter. Intelligent Industrial Systems, 2015, 1, 3-14.	1.0	3
436	Fuzzy Kalman Filter Validation Using the Local Statistical Approach. Intelligent Industrial Systems, 2015, 1, 15-28.	1.0	3
437	Impacts of Demand Response on oligopolistic behavior of electricity market players in the day-ahead energy market. , 2016, , .		3
438	A Differential Flatness Theory Approach to Embedded Adaptive Control of Turbocharged Diesel Engines. Intelligent Industrial Systems, 2016, 2, 349-370.	1.0	3
439	Oligopolistic behavior of wind power producer in electricity markets including Demand Response Resources. , 2016, , .		3
440	Highway Traffic Estimation using Nonlinear Kalman Filtering. Intelligent Industrial Systems, 2017, 3, 103-114.	1.0	3
441	Vehicle electrification: A further variable toward integrated intelligent energy systems. , 2017, , .		3
442	On the structural implementation of magnetic levitation windmill. , 2017, , .		3
443	Investigating the effects of selecting different slack bus on power systems. , 2017, , .		3
444	Guest Editorial Special Section on Industrial and Commercial Demand Response. IEEE Transactions on Industrial Informatics, 2018, 14, 5017-5019.	7.2	3
445	Nonlinear optimal control for ship propulsion with the use of an induction motor and a drivetrain. MATEC Web of Conferences, 2018, 188, 05007.	0.1	3
446	Nonlinear H-infinity control for switched reluctance machines. Nonlinear Engineering, 2019, 9, 14-27.	1.4	3
447	A Novel Improved Hilbert-Huang Transform Technique for Implementation of Power System Local Oscillation Monitoring. , 2019, , .		3
448	Power system observability enhancement for parallel restoration of subsystems considering renewable energy resources. International Transactions on Electrical Energy Systems, 2020, 30, e12303.	1.2	3
449	Evaluating Residential Battery Energy Storage Systems for Up and Down-Regulation. , 2020, , .		3
450	Measurement devices allocation in distribution system using state estimation: A multiâ€objective approach. International Transactions on Electrical Energy Systems, 2020, 30, e12469.	1.2	3

#	ARTICLE	IF	CITATIONS
451	Nonlinear optimal control of coupled time-delayed models of economic growth. Decisions in Economics and Finance, 2021, 44, 375-399.	1.1	3
452	Mid-term operational planning of pre-installed voltage regulators in distribution networks. International Journal of Electrical Power and Energy Systems, 2021, 133, 107276.	3.3	3
453	An Adaptive Framework for Power Components Dynamic Loadability. Advances in Civil and Industrial Engineering Book Series, 0, , 321-345.	0.2	3
454	Peer-to-Peer Electricity Market Based on Local Supervision. IEEE Access, 2021, 9, 156647-156662.	2.6	3
455	Evaluating the economic impact of users' personality on the selection of demand response programs Publisher: CSEE Cite This PDF. CSEE Journal of Power and Energy Systems, 2021, , .	1.7	3
456	A Heuristic Method to Calculate the Capacity of Residential PV-BESS in Providing Upward Flexibility Services in Energy Communities. IEEE Access, 2022, 10, 2908-2928.	2.6	3
457	Selecting and prioritizing the electricity customers for participating in demand response programs. IET Generation, Transmission and Distribution, 2022, 16, 2086-2096.	1.4	3
458	A Detailed Analysis of the Barriers of Using Renewable Energies and Their Roles in Sustainable Development in Iran. , 2021, , 1-24.		3
459	Magnetic fields mitigation by using multi-objective optimal power flow. , 0, , .		2
460	Assessing control and management issues for micro wind generation integration into microgrids. , 2008, , .		2
461	Combined Monte Carlo simulation and OPF to evaluate the market impact of wind energy. , 2012, , .		2
462	Wind turbines allocation in smart grids. , 2013, , .		2
463	Introduction to the Special Section on Smart Devices for Renewable Energy Systems. IEEE Transactions on Industrial Electronics, 2013, 60, 1119-1121.	5.2	2
464	Kalman Filter-based compensation of disturbance forces and torques for AGVs. , 2013, , .		2
465	Highway traffic estimation of improved precision using the derivative-free nonlinear Kalman Filter. AIP Conference Proceedings, 2015, , .	0.3	2
466	A novel five-level optimized carrier multilevel PWM quad-inverter six-phase AC drive. , 2016, , .		2
467	A nonlinear H-infinity control approach for autonomous navigation of underactuated vessels. , 2016, , .		2
468	Regulatory support of wind power producers against strategic and collusive behavior of conventional thermal units. , 2016, , .		2

#	Article	IF	Citations
469	Flatness-based adaptive neurofuzzy control of induction generators using output feedback. Neurocomputing, 2016, 216, 684-699.	3.5	2
470	Nonlinear H-infinity control of multi-phase electric machines. IFAC-PapersOnLine, 2016, 49, 109-115.	0.5	2
471	Evaluating innovative FCN Networks for energy prices' forecasting. , 2016, , .		2
472	Control of the Nonlinear Wave-Type Dynamics Using the Derivative-Free Nonlinear Kalman Filter. Intelligent Industrial Systems, 2016, 2, 119-132.	1.0	2
473	Control of Heat Diffusion in Arc Welding Using Differential Flatness Theory and Nonlinear Kalman Filtering. Intelligent Industrial Systems, 2016, 2, 5-19.	1.0	2
474	A Nonlinear H-Infinity Approach to Optimal Control of PEM Fuel Cells. Intelligent Industrial Systems, 2017, 3, 43-58.	1.0	2
475	Optimal day-ahead and intra-day scheduling of energy and operating reserve considering fluctuating wind power. , 2017, , .		2
476	Nonlinear H-infinity control for the rotary pendulum. , 2017, , .		2
477	Reliability assessment of UHVDC transmission system based on bipole symmetry. , 2017, , .		2
478	Distributed energy resources' role on reducing reliability cost. International Transactions on Electrical Energy Systems, 2018, 28, e2581.	1.2	2
479	Nonlinear Optimal Control for Steam-Turbine Power Generation. , 2018, , .		2
480	Flatness-based Adaptive Control of Synchronous Reluctance Machines with Output Feedback. , 2018, , .		2
481	An Innovative Two-Level Model for Electric Vehicle Parking Lots in Distribution Systems with Renewable Energy. , 2018, , .		2
482	Robust Probabilistic Load Flow in Microgrids considering Wind Generation, Photovoltaics and Plug-in Hybrid Electric Vehicles. , 2018, , .		2
483	Nonlinear optimal control for a business cycles macroeconomic model of linked economies. Cyber-Physical Systems, 2018, 4, 116-136.	1.6	2
484	A nonlinear optimal control approach for autonomous motorcycles. , 2018, , .		2
485	Nonlinear optimal control for DC industrial microgrids. Cyber-Physical Systems, 2019, 5, 231-253.	1.6	2
486	Condition Monitoring of Wind-Power Units Using the H-Infinity Kalman Filter. , 2019, , .		2

#	Article	IF	Citations
487	Modeling of retailer's behavior for participation in the capacity market. International Transactions on Electrical Energy Systems, 2019, 29, e12056.	1.2	2
488	Robust Primary Control of Microgrids for Parametric and Topological Uncertainties: A Quest for Resilience. , 2019, , .		2
489	Assessing Insider Attacks and Privacy Leakage in Managed IoT Systems for Residential Prosumers. Energies, 2021, 14, 2385.	1.6	2
490	A nonlinear optimal control approach for the pulping process of paper mills. IET Collaborative Intelligent Manufacturing, 2021, 3, 161-174.	1.9	2
491	A Fusion-Based Hybrid-Feature Approach for Recognition of Unconstrained Offline Handwritten Hindi Characters. Future Internet, 2021, 13, 239.	2.4	2
492	SGedge: Stochastic Geometry-Based Model for Multi-Access Edge Computing in Wireless Sensor Networks. IEEE Access, 2021, 9, 111238-111248.	2.6	2
493	Optimal Siting and Sizing of Wind Turbines Based on Genetic Algorithm and Optimal Power Flow. Green Energy and Technology, 2014, , 125-144.	0.4	2
494	Special Issue on Advances and Technologies in High Voltage Power Systems Operation, Control, Protection, and Security. Applied Sciences (Switzerland), 2021, 11, 274.	1.3	2
495	Business Forecasting in the Light of Statistical Approaches and Machine Learning Classifiers. Communications in Computer and Information Science, 2019, , 13-21.	0.4	2
496	A nonlinear optimal control approach for permanent magnet AC motors with non-sinusoidal back EMF. Electrical Engineering, 2022, 104, 2293-2318.	1.2	2
497	Rearrangement Method of Reducing Fault Location Error in Tied Uncompleted Parallel Lines. IEEE Access, 2022, 10, 51862-51872.	2.6	2
498	A conservative framework for obtaining uncertain bands of multiple wind farms in electric power networks by proposed IGDT-based approach considering decision-maker's preferences. Journal of Cleaner Production, 2022, 358, 131963.	4.6	2
499	Grid impact and integration of micro wind generation. , 2009, , .		1
500	A novel fuzzy system for wind turbines reactive power control. , 2011, , .		1
501	A fuzzy controller for improving Fault Ride-Through capability of wind turbines. , 2011, , .		1
502	PMSG sensorless control with the Derivative-free nonlinear Kalman Filter for Distributed Generation units. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 9-14.	0.4	1
503	Flatness-based embedded adaptive fuzzy control of spark ignited engines. , 2014, , .		1
504	Flatness-based embedded control of air-fuel ratio in combustion engines. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
505	Designing a customized electric power storage device for smart grids. , 2014, , .		1
506	Nonlinear Control of the Three-Phase Inverter using the Derivative-Free Nonlinear Kalman Filter. , 2015, , .		1
507	An H-infinity approach to optimal control of oxygen and carbon dioxide contents in blood. AIP Conference Proceedings, 2016, , .	0.3	1
508	Stabilization of the multi-asset Black-Scholes PDE using differential flatness theory. IFAC-PapersOnLine, 2016, 49, 180-185.	0.5	1
509	A PEM fuel cells control approach based on differential flatness theory. , 2016, , .		1
510	Controller Design for AGVs and Kalman Filter-Based Compensation of Disturbance Forces and Torques. Intelligent Industrial Systems, 2016, 2, 197-216.	1.0	1
511	Differential Flatness Properties and Feedback Control of the Fokkerâ€"Planck PDE. Intelligent Industrial Systems, 2016, 2, 233-241.	1.0	1
512	Journal of Intelligent Industrial Systems: Preface to Volume no 2 Issue no 1. Intelligent Industrial Systems, 2016, 2, 1-3.	1.0	1
513	Control of Three-Phase Voltage Source Converters with the Derivative-Free Nonlinear Kalman Filter. Intelligent Industrial Systems, 2016, 2, 21-33.	1.0	1
514	A nonlinear H-infinity control approach for closed-chain robotic mechanisms. , 2017, , .		1
515	A Nonlinear H-Infinity Control Approach for Three-Phase Voltage Inverters. Intelligent Industrial Systems, 2017, 3, 129-142.	1.0	1
516	Flatness-based adaptive fuzzy control of brushless doubly-fed reluctance machines. , 2017, , .		1
517	Flatness-based control and Kalman filtering for a continuous-time macroeconomic model. AIP Conference Proceedings, 2017, , .	0.3	1
518	A nonlinear optimal control method for bioreactors and biofuels production. , 2017, , .		1
519	Forecasting of commodities prices using a multiâ€factor PDE model and Kalman filtering. IET Cyber-Physical Systems: Theory and Applications, 2018, 3, 232-245.	1.9	1
520	A Nonlinear Optimal Control Approach for DFIG Wind Power Generators. , 2018, , .		1
521	A Kalman Filter-based disturbance observer for state-of-charge estimation in EV batteries. , 2018, , .		1
522	Condition monitoring for the quadruple water tank system using H-infinity Kalman Filtering. MATEC Web of Conferences, 2018, 188, 05008.	0.1	1

#	Article	IF	Citations
523	Configurations of Modified SEPIC Converter with Switched Inductor Module (MSC<inf>sI</inf>) for Photovoltaic Application: Part-II. , 2018, , .		1
524	Condition monitoring of gas-turbine power units using the Derivative-free nonlinear Kalman Filter. , 2018, , .		1
525	Decentralized Control System for Participation of Plug-in Electric Vehicles in the Load Frequency Control of a Microgrid. , 2018, , .		1
526	A differential flatness theory-based control approach for steam-turbine power generation units. , 2018, , .		1
527	Nonlinear optimal control for multilevel inverters. , 2019, , .		1
528	Digital Application of Second Order Generalized Integrator Based Grid Estimator Under Unbalanced and Distorted Voltage Conditions. Electric Power Components and Systems, 2019, 47, 1464-1474.	1.0	1
529	Fault Diagnosis in Energy Conversion Systems using Neural Networks and Statistical Decision Making. , 2019, , .		1
530	Nonlinear optimal control for the quadruple water tank system. AIP Conference Proceedings, 2020, , .	0.3	1
531	Extended Use for the Frequency Response Analysis: Switching Impulse Voltage Based Preliminary Diagnosis of Potential Sources of Partial Discharges in Transformer. Applied Sciences (Switzerland), 2020, 10, 8283.	1.3	1
532	Neural networks and statistical decision making for fault diagnosis of PM linear synchronous machines. International Journal of Systems Science, 2020, 51, 2150-2166.	3.7	1
533	Nonlinear H-infinity control for hybrid excited synchronous generators. , 2020, , .		1
534	Nonlinear optimal control of autonomous submarines' diving. Marine Systems and Ocean Technology, 2020, 15, 57-69.	0.5	1
535	Peer-to-Peer Bundled Energy Trading with Game Theoretic Approach. , 2021, , .		1
536	Nonlinear Optimal Control for the Synchronization of Distributed Marine-turbine Power Generation Units. Electric Power Components and Systems, 0, , 1-22.	1.0	1
537	Adaptive Fuzzy Control for Variable Speed Wind Systems with Synchronous Generator and Full Scale Converter. Green Energy and Technology, 2010, , 337-366.	0.4	1
538	Active Distribution Networks and Smart Grids: Optimal Allocation of Wind Turbines by Using Hybrid GA and Multi-Period OPF. Atlantis Computational Intelligence Systems, 2012, , 579-599.	0.5	1
539	Hybrid Electric Vehicles: Application of Fuzzy Clustering for Designing a TSK-based Fuzzy Energy Flow Management Unit. Lecture Notes in Computer Science, 2003, , 516-525.	1.0	1
540	A hexagonal hysteresis space vector current controller for single Z-source network multilevel inverter with capacitor balancing. , 2017, , .		1

#	Article	IF	Citations
541	Neural Networks and Statistical Decision Making for Fault Diagnosis in Energy Conversion Systems. , 2020, , 135-156.		1
542	Differential flatness theoryâ€based approach to the control of gasâ€turbine electric power generation units. IET Control Theory and Applications, 2020, 14, 187-197.	1.2	1
543	A nonlinear optimal control approach for voltage source inverter-fed three-phase PMSMs. , 2021, , .		1
544	Balancing effective realization and design simplicity in the design of a distributed hybrid control environment. , 2004, , .		0
545	A power transformers' predictive overload system based on a Takagi-Sugeno-Kang fuzzy model. , 0, , .		0
546	An Agent based Power Flow Control for Hybrid Electric Vehicles. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 481-488.	0.4	0
547	Control of underactuated robotic systems with the use of the derivative-free nonlinear Kalman filter. , 2013, , .		0
548	Control of quadrotors using differential flatness theory and the derivative-free nonlinear Kalman filter. , 2013, , .		0
549	Nonlinear control of valves in diesel engines using the derivative-free nonlinear Kalman Filter. , 2014, , .		0
550	A nonlinear Kalman filtering approach to embedded control of turbocharged diesel engines. , 2014, , .		0
551	Flatness-based embedded adaptive fuzzy control of turbocharged diesel engines. , 2014, , .		0
552	Flatness-based adaptive fuzzy control of an autonomous submarine model. AIP Conference Proceedings, 2015, , .	0.3	0
553	Target tracking by distributed autonomous vessels using the derivative-free nonlinear Kalman filter. AIP Conference Proceedings, 2015, , .	0.3	0
554	Preface to Vol. 1 Issue No. 2. Intelligent Industrial Systems, 2015, 1, 83-84.	1.0	0
555	Preface to Volume 1 Issue No. 3. Intelligent Industrial Systems, 2015, 1, 175-177.	1.0	0
556	Journal of Intelligent Industrial Systems: Preface to Volume 1 Issue No 4. Intelligent Industrial Systems, 2015, 1, 271-273.	1.0	0
557	Validation of the fuzzy Kalman Filter for ship tracking applications. AIP Conference Proceedings, 2015, , .	0.3	0
558	Preface of the â€œSymposium on Control Methods in Intelligent Transportation Systemsâ€• AIP Conference Proceedings, 2015, , .	0.3	0

#	Article	IF	Citations
559	Nonlinear synchronizing control of parallel inverters connected to the electricity grid. , 2015, , .		0
560	Flatness-based adaptive fuzzy control for active power filters. , 2015, , .		0
561	Power corporations' default probability forecasting using the Derivative-free nonlinear Kalman Filter. , 2015, , .		0
562	A global linearization approach to control and state estimation of a VSC-HVDC system. , 2015, , .		0
563	Differential flatness properties and control of commodities price dynamics. , 2016, , .		0
564	Differential Flatness Theory-Based Adaptive Fuzzy Control of Underactuated Nonlinear Systems. Intelligent Industrial Systems, 2016, 2, 217-231.	1.0	0
565	Journal of Intelligent Industrial Systems. Intelligent Industrial Systems, 2016, 2, 283-285.	1.0	0
566	Flatness-Based Adaptive Neurofuzzy Control of Chaotic Dynamical Systems. Intelligent Industrial Systems, 2016, 2, 335-347.	1.0	0
567	PI and fuzzy control strategies for high voltage output DC-DC boost power converter â€" Hardware implementation and analysis. , 2016, , .		0
568	A novel multilevel quad-inverter configuration for quasi six-phase open-winding converter. , 2016, , .		0
569	Fault diagnosis in multi-machine power systems using the Derivative-free nonlinear Kalman Filter. , 2016, , .		0
570	A control approach for PDE dynamics in Li-ion batteries using differential flatness theory. , 2016, , .		0
571	Journal of Intelligent Industrial Systems: Preface to Vol. 2, No. 2. Intelligent Industrial Systems, 2016, 2, 103-105.	1.0	0
572	Preface to Vol 2, No 3 of the Journal of Intelligent Industrial Systems. Intelligent Industrial Systems, 2016, 2, 193-195.	1.0	0
573	Journal of Intelligent Industrial Systems: Preface to Vol. 3 No. 1. Intelligent Industrial Systems, 2017, 3, 1-3.	1.0	0
574	Nonlinear optimal control for the VSC-HVDC transmission system. , 2017, , .		0
575	Risk-based self-scheduling of Gencos in smart grids considering a new method for bilateral contracts. , 2017, , .		0
576	Market transactions of PEV parking lots in the presence of wind generation. , 2017, , .		0

#	Article	IF	Citations
577	Kalman filtering and statistical decision making for detection of attacks against power grid sensors. , 2017, , .		0
578	A nonlinear optimal control methoc for autonomous submarines' diving. , 2017, , .		0
579	Distributed filtering and local statistical approach to fault diagnosis for securing the power grid. , 2017, , .		0
580	Stabilization of business cycles of finance agents using nonlinear optimal control. AIP Conference Proceedings, 2017, , .	0.3	0
581	A nonlinear optimal control approach for chaotic finance dynamics. AIP Conference Proceedings, 2017, , .	0.3	0
582	Nonlinear optimal control for the synchronization of chaotic and hyperchaotic finance systems. AIP Conference Proceedings, 2017, , .	0.3	0
583	Preface to Special Session on â€œAdvances in Financial Systemsâ€™ Modelling and Controlâ€• AIP Conference Proceedings, 2017, , .	0.3	0
584	Guest Editorial: Flexible Operation and Control for Medium Voltage Directâ€€urrent(MVDC) Grid. IET Power Electronics, 2017, 10, 2021-2022.	1.5	0
585	A nonlinear optimal control approach to stabilization of a macroeconomic development model. AIP Conference Proceedings, 2017, , .	0.3	0
586	A boundary PDE feedback control approach for the stabilization of mortgage price dynamics. AIP Conference Proceedings, 2017, , .	0.3	0
587	HIL based Coordinated Control of grid interfaced Distributed Generation assisted Battery Swapping Station. , 2017, , .		0
588	Stabilization of Mortgage Price Dynamics Using a Boundary PDE Feedback Control Approach. Journal of Quantitative Economics, 2018, 16, 37-56.	0.2	0
589	Nonlinear Optimal Control for Gas-Turbine Power Generation Units. , 2018, , .		0
590	H-Infinity Kalman Filter for Condition Monitoring of Steam-Turbine Power Generation Units. , 2018, , .		0
591	Nonlinear H-infinity control for optimization of the functioning of mining products mills. , 2018, , .		0
592	Flatness-Based Control of Gas-Turbine Electric Power Generation Units. , 2018, , .		0
593	Control of Synchronous Reluctance Machines using Differential Flatness Theory. , 2018, , .		0
594	Nonlinear optimal control for hydro-power generation units. , 2018, , .		0

#	Article	IF	Citations
595	Consensus-Based Demand-Side Participation in Smart Microgrid Emergency Operation. , 2018, , .		0
596	Differential flatness and boundary control for bandwidth allocation in Internet routes. Cyber-Physical Systems, 2018, 4, 216-231.	1.6	0
597	Condition monitoring of gas-turbine electric power units using the H-infinity Kalman Filter. , 2018, , .		0
598	Control of turbocharged ship diesel engines using a nonlinear optimal control method. , 2018, , .		0
599	Nonlinear Optimal Control of Induction Motors for Maglev Trains Propulsion. , 2019, , .		0
600	A Novel Unknown Input Observer-Based Optimal Load Frequency Control for Smart Power Systems Considering EV and DR Participation. , 2019, , .		0
601	Congestion relief market model based on load biddings. , 2019, , .		0
602	Guest Editorial: Demand Side Management and Market Design for Renewable Energy Support and Integration. IET Renewable Power Generation, 2019, 13, 801-801.	1.7	0
603	Condition monitoring for three-phase inverters with the Derivative-free nonlinear Kalman Filter. , 2019, , .		0
604	A nonlinear optimal control method for synchronization of distributed hydropower units. , 2019, , .		0
605	A dynamic pricing model for Turkey€™s electricity distribution companies in the future Smart Grid infrastructure. , 2019, , .		0
606	Stabilization of a stock€loan valuation PDE process using differential flatness theory. Asian Journal of Control, 2020, 22, 2229-2241.	1.9	0
607	Nonlinear optimal control for ship propulsion systems comprising an induction motor and a drivetrain. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2020, 234, 409-425.	0.3	0
608	Flatness-based adaptive fuzzy control for the Uzawa-Lucas endogenous growth model. AIP Conference Proceedings, 2020, , .	0.3	0
609	Special Issue on Advanced Approaches, Business Models, and Novel Techniques for Management and Control of Smart Grids. Energies, 2020, 13, 2678.	1.6	0
610	Nonlinear optimal control for synchronization of distributed hydropower generators. Transactions of the Institute of Measurement and Control, 2021, 43, 295-312.	1.1	0
611	An Economic Demand Management Strategy for Passive Consumers Considering Demand-Side Management Schemes and Microgrid Operation. Power Systems, 2021, , 179-204.	0.3	0
612	Transformers Improvement and Environment Conservation by Using Synthetic Esters in Egypt. Energies, 2021, 14, 1992.	1.6	0

#	Article	IF	Citations
613	Optimal Placement of Wind Turbines by using Genetic Algorithm and Social Welfare Assessment. , 2012, , .		0
614	Fault Ride-Through Capability Enhancement by using Fuzzy Control. , 2012, , .		0
615	Differential flatness theory and Extended Kalman Filtering for sensorless control of induction motors. Proceedings of the ISCIE International Symposium on Stochastic Systems Theory and Its Applications, 2012, 2012, 308-313.	0.1	0
616	Approach towards Realizing the Security Threats for Mobile IPv6 and Solution Thereof. International Journal of Computer Applications, 2014, 90, 26-30.	0.2	0
617	Inductive and Capacitive Voltage Measurement. , 2017, , 20-1-20-8.		0
618	Distributed Parameter Systems Control and Its Applications to Financial Engineering. , 2018, , 15-35.		0
619	Distributed Parameter Systems Control and Its Applications to Financial Engineering. Advances in Logistics, Operations, and Management Science Book Series, 2019, , 17-45.	0.3	0
620	Nonlinear optimal control for economy's endogenous growth models. AIP Conference Proceedings, 2020, , .	0.3	0
621	Synchrophasor Measurements-based Under Frequency Load Shedding Using Bus Voltage Index and Estimated Disturbance Magnitude. , 2020, , .		0
622	A nonlinear optimal control approach for distributed marine-turbine power generation units. AIP Conference Proceedings, 2020, , .	0.3	0
623	Special Issue on Developing and Implementing Smart Grids: Novel Technologies, Techniques and Models. Applied Sciences (Switzerland), 2020, 10, 350.	1.3	0
624	Nonlinear Control in Continuous-Time Production Systems and in Economics. AIP Conference Proceedings, 2020, , .	0.3	0
625	Nonlinear optimal control for the industrial crystallization process. AIP Conference Proceedings, 2020, , .	0.3	0
626	Nonlinear optimal control of coupled time-delayed models of economic growth. AIP Conference Proceedings, 2022, , .	0.3	0
627	Nonlinear optimal control of electro-hydraulic actuators. AIP Conference Proceedings, 2022, , .	0.3	0
628	Distributed dynamic algorithm for energy management in smart grids. , 2022, , 319-343.		0