Ali Reza Seifi

List of Publications by Year
in descending order

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185 papers	7,341 citations	61857 43 h-index	64668 79 g-index
186 all docs	186 docs citations	186 times ranked	5941 citing authors

#	Article	IF	Citations
1	Comprehensive aging assessment of pitch systems combining SCADA and failure data. IET Renewable Power Generation, 2022, 16, 198-210.	1.7	13
2	Intelligent hierarchical energy and power management to control the voltage and frequency of micro-grids based on power uncertainties and communication latency. Electric Power Systems Research, 2022, 202, 107567.	2.1	21
3	Energy-Storage Modeling: State-of-the-Art and Future Research Directions. IEEE Transactions on Power Systems, 2022, 37, 860-875.	4.6	37
4	Stochastic Optimal Power Flow in Hybrid Power System Using Reduced-Discrete Point Estimation Method and Latin Hypercube Sampling. Canadian Journal of Electrical and Computer Engineering, 2022, 45, 63-67.	1.5	11
5	Distributed Two-Level Energy Scheduling of Networked Regional Integrated Energy Systems. IEEE Systems Journal, 2022, 16, 5433-5444.	2.9	4
6	Distributed reinforcement learning energy management approach in multiple residential energy hubs. Sustainable Energy, Grids and Networks, 2022, 32, 100795.	2.3	11
7	Integrated optimization of multi-carrier energy systems: Water-energy nexus case. Energy, 2022, 257, 124764.	4.5	4
8	Multiagent Reinforcement Learning for Energy Management in Residential Buildings. IEEE Transactions on Industrial Informatics, 2021, 17, 659-666.	7.2	66
9	Benefits of Strategically Sizing Wind-Integrated Energy Storage and Transmission. IEEE Transactions on Power Systems, 2021, 36, 1141-1151.	4.6	26
10	Intelligent Energy Management and Multi-Objective Power Distribution Control in Hybrid Micro-grids based on the Advanced Fuzzy-PSO Method. ISA Transactions, 2021, 112, 199-213.	3.1	33
11	An efficient multilevel interconnect control algorithm in AC/DC micro-grids using hybrid energy storage system. Electric Power Systems Research, 2021, 191, 106869.	2.1	23
12	A Shape-Based Clustering Framework for Time Aggregation in the Presence of Variable Generation and Energy Storage. IEEE Open Access Journal of Power and Energy, 2021, 8, 448-459.	2.5	7
13	Wind Turbine Power Curve Modelling with Logistic Functions Based on Quantile Regression. Applied Sciences (Switzerland), 2021, 11, 3048.	1.3	9
14	Resiliency-Oriented Planning of Transmission Systems and Distributed Energy Resources. IEEE Transactions on Power Systems, 2021, 36, 4114-4125.	4.6	20
15	Probabilistic Optimal Dynamic Planning of Onsite Solar Generation for Residential Energy Hubs. IEEE Systems Journal, 2020, 14, 832-841.	2.9	26
16	A Zeno-Free Event-Triggered Secondary Control for AC Microgrids. IEEE Transactions on Smart Grid, 2020, 11, 1905-1916.	6.2	45
17	Contribution management of leadâ€acid battery, Liâ€ion battery, and supercapacitor to handle different functions in EVs. International Transactions on Electrical Energy Systems, 2020, 30, e12155.	1.2	9
18	Flexibility from Electric Boiler and Thermal Storage for Multi Energy System Interaction. Energies, 2020, 13, 98.	1.6	14

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19	Probabilistic Energy Efficiency Analysis in Buildings Using Statistical Methods. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2020, 44, 1133-1145.	1.5	2
20	Multi-objective optimal operation of integrated thermal-natural gas-electrical energy distribution systems. Applied Thermal Engineering, 2020, 181, 115951.	3.0	23
21	Optimal energy flow in integrated energy distribution systems considering unbalanced operation of power distribution systems. International Journal of Electrical Power and Energy Systems, 2020, 121, 106132.	3.3	22
22	Enhanced sensitivityâ€based decentralised framework for realâ€time transient stability assessment in bulk power grids with renewable energy resources. IET Generation, Transmission and Distribution, 2020, 14, 665-674.	1.4	6
23	Planning, operation and flexibility contribution of multiâ€carrier energy storage systems in integrated energy systems. IET Renewable Power Generation, 2020, 14, 408-416.	1.7	13
24	An enhanced approach for probabilistic evaluation of transient stability. International Journal of Electrical Power and Energy Systems, 2020, 120, 106055.	3.3	8
25	Optimal design of reward-penalty demand response programs in smart power grids. Sustainable Cities and Society, 2020, 60, 102150.	5.1	24
26	An Effective Multi-Solution Approach for Power System Islanding. IEEE Access, 2020, 8, 93200-93210.	2.6	6
27	Minimizing the undesirable effect of coupling capacitor voltage transformer on DFT-based phasor estimation method. International Transactions on Electrical Energy Systems, 2019, 29, e2672.	1.2	7
28	Transient Stability of Power Grids Comprising Wind Turbines: New Formulation, Implementation, and Application in Real-Time Assessment. IEEE Systems Journal, 2019, 13, 894-905.	2.9	33
29	Enhanced expression and purification of anti-VEGF nanobody in cucurbit plants. Journal of Plant Biochemistry and Biotechnology, 2019, 28, 263-270.	0.9	1
30	Hedging Strategies for Heat and Electricity Consumers in the Presence of Real-Time Demand Response Programs. IEEE Transactions on Sustainable Energy, 2019, 10, 1262-1270.	5.9	34
31	Holomorphic embedding load flow for unbalanced radial distribution networks with DFIG and tapâ€changer modelling. IET Generation, Transmission and Distribution, 2019, 13, 4263-4273.	1.4	12
32	Distinguishing between Fault and Inrush Current in Presence of the CT Saturation: a New Method Based on Gravity Center in Time. , 2019, , .		3
33	Enhancing Immunity of Full-Cycle Discrete Fourier Transform Against Decaying DC Components: a Comparative Analysis. , 2019, , .		2
34	The Impact of CLOD Load Model Parameters on Dynamic Simulation of Large Power Systems. , 2019, , .		2
35	Auxiliary Pronyâ€based algorithm for performance improvement of DFT phasor estimator against transient of CCVT. IET Science, Measurement and Technology, 2019, 13, 708-714.	0.9	11
36	Plug-in Electric Vehicle Optimization and Management Charging in a Smart Parking Lot. , 2019, , .		12

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37	NG tank contribution in the integrated energy networks. Electronics Letters, 2019, 55, 1299-1301.	0.5	0
38	Microgrid energy management: how uncertainty modelling impacts economic performance. IET Generation, Transmission and Distribution, 2019, 13, 5504-5510.	1.4	13
39	Probabilistic analysis of currentâ€transformer dimensioning: A criterion for determining the level of exposure to saturation. International Transactions on Electrical Energy Systems, 2019, 29, e2786.	1.2	4
40	Hybrid approach for immunisation of DFTâ€based phasor estimation method against decaying DC components. IET Science, Measurement and Technology, 2019, 13, 238-246.	0.9	17
41	Developing Bidding and Offering Curves of a Price-Maker Energy Storage Facility Based on Robust Optimization. IEEE Transactions on Smart Grid, 2019, 10, 650-660.	6.2	42
42	Designing a self-constructing fuzzy neural network controller for damping power system oscillations. Fuzzy Sets and Systems, 2019, 356, 63-76.	1.6	9
43	Dynamic Model and Small Signal Analysis of Z-Source Inverter. IETE Journal of Research, 2019, 65, 342-350.	1.8	11
44	Sensitivityâ€based approach for realâ€time evaluation of transient stability of wind turbines interconnected to power grids. IET Renewable Power Generation, 2018, 12, 668-679.	1.7	25
45	The numerical modeling of water/FMWCNT nanofluid flow and heat transfer in a backward-facing contracting channel. Physica B: Condensed Matter, 2018, 537, 176-183.	1.3	167
46	Main and auxiliary parts of battery storage, aimed to fast charging of electrical vehicles. , 2018, , .		4
47	Event-triggered voltage control of inverter-based microgrids. , 2018, , .		6
48	The Generalized Cross-Entropy Method in Probabilistic Optimal Power Flow. IEEE Transactions on Power Systems, 2018, 33, 5738-5748.	4.6	24
49	Impacts of Ramping Inflexibility of Conventional Generators on Strategic Operation of Energy Storage Facilities. IEEE Transactions on Smart Grid, 2018, 9, 1334-1344.	6.2	35
50	Fuzzy-PSS and fuzzy neural network non-linear PI controller-based SSSC for damping inter-area oscillations. Transactions of the Institute of Measurement and Control, 2018, 40, 733-745.	1.1	16
51	Considering Thermodynamic Characteristics of a CAES Facility in Self-Scheduling in Energy and Reserve Markets. IEEE Transactions on Smart Grid, 2018, 9, 3476-3485.	6.2	44
52	Long-Term Scheduling of Battery Storage Systems in Energy and Regulation Markets Considering Batteryâ€™s Lifespan. IEEE Transactions on Smart Grid, 2018, 9, 6840-6849.	6.2	66
53	Electricity Price Forecasting for Operational Scheduling of Behind-the-Meter Storage Systems. IEEE Transactions on Smart Grid, 2018, 9, 6612-6622.	6.2	72
54	Probabilistic energy consumption analysis in buildings using point estimate method. Energy, 2018, 142, 716-722.	4.5	31

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55	A real option assessment of flexibilities in the integrated planning of natural gas distribution network and distributed natural gas-fired power generations. Energy, 2018, 143, 257-272.	4.5	22
56	Effects of external wind breakers of Heller dry cooling system in power plants. Applied Thermal Engineering, 2018, 129, 1124-1134.	3.0	37
57	A Bilevel Model for Participation of a Storage System in Energy and Reserve Markets. IEEE Transactions on Sustainable Energy, 2018, 9, 582-598.	5.9	131
58	Solar Power Capacity Value Evaluation-A Review. , 2018, , .		3
59	Economic Assessment of Energy Storage Systems in Alberta's Energy and Operating Reserve Markets. , 2018, , .		2
60	Framework for current transformer saturation detection and waveform reconstruction. IET Generation, Transmission and Distribution, 2018, 12, 3167-3176.	1.4	19
61	Probabilistic energy flow for multi-carrier energy systems. Renewable and Sustainable Energy Reviews, 2018, 94, 989-997.	8.2	33
62	A Chance Constrained Programming Approach to the Integrated Planning of Electric Power Generation, Natural Gas Network and Storage. IEEE Transactions on Power Systems, 2018, 33, 6883-6893.	4.6	75
63	Developing a twoâ€step method to implement residential demand response programmes in multiâ€carrier energy systems. IET Generation, Transmission and Distribution, 2018, 12, 2614-2623.	1.4	11
64	Application of generalised crossâ€entropy method in probabilistic power flow. IET Generation, Transmission and Distribution, 2018, 12, 2745-2754.	1.4	8
65	Calculating probability density function of critical clearing time: Novel Formulation, implementation and application in probabilistic transient stability assessment. International Journal of Electrical Power and Energy Systems, 2018, 103, 622-633.	3.3	13
66	Integrated planning of natural gas and electric power systems. International Journal of Electrical Power and Energy Systems, 2018, 103, 593-602.	3.3	34
67	PLANNING OF ENERGY CARRIERS BASED ON FINAL ENERGY CONSUMPTION USING DYNAMIC PROGRAMMING AND PARTICLE SWARM OPTIMIZATION. Electrical Engineering & Electromechanics, 2018, .	0.4	21
68	A Probabilistic Energy Management Scheme for Renewable-Based Residential Energy Hubs. IEEE Transactions on Smart Grid, 2017, 8, 2217-2227.	6.2	170
69	A New Feature Selection Technique for Load and Price Forecast of Electrical Power Systems. IEEE Transactions on Power Systems, 2017, 32, 62-74.	4.6	201
70	Day-Ahead Financial Loss/Gain Modeling and Prediction for a Generation Company. IEEE Transactions on Power Systems, 2017, 32, 3360-3372.	4.6	16
71	Corrections to â€œImpacts of Strategic Bidding of Wind Power Producers on Electricity Marketsâ€•[Nov 16 4544-4553]. IEEE Transactions on Power Systems, 2017, 32, 2489-2489.	4.6	0
72	A statistical unsupervised method against false data injection attacks: A visualization-based approach. Expert Systems With Applications, 2017, 84, 242-261.	4.4	53

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73	Operation Scheduling of Battery Storage Systems in Joint Energy and Ancillary Services Markets. IEEE Transactions on Sustainable Energy, 2017, 8, 1726-1735.	5.9	174
74	A sequential planning approach for Distributed generation and natural gas networks. Energy, 2017, 127, 428-437.	4.5	31
75	Analytical discrete Fourier transformerâ€based phasor estimation method for reducing transient impact of capacitor voltage transformer. IET Generation, Transmission and Distribution, 2017, 11, 2324-2332.	1.4	21
76	Stochastic multi-objective optimization of combined heat and power economic/emission dispatch. Energy, 2017, 141, 1892-1904.	4.5	81
77	A Robust Linear Approach for Offering Strategy of a Hybrid Electric Energy Company. IEEE Transactions on Power Systems, 2017, 32, 1949-1959.	4.6	34
78	Estimating the Price Impact of Proposed Wind Farms in Competitive Electricity Markets. IEEE Transactions on Sustainable Energy, 2017, 8, 291-303.	5.9	4
79	Halfâ€cycle method for exponentially DC components elimination applicable in phasor estimation. IET Science, Measurement and Technology, 2017, 11, 1032-1042.	0.9	22
80	Line loss reduction and voltage profile improvement in radial distribution networks using battery energy storage system. , 2017, , .		17
81	Spring search algorithm: A new meta-heuristic optimization algorithm inspired by Hooke's law. , 2017, , .		26
82	BSSA: Binary spring search algorithm. , 2017, , .		10
83	A chance constrained programming approach to integrated planning of distributed power generation and natural gas network. Electric Power Systems Research, 2017, 151, 197-207.	2.1	49
84	Comparison of VSC and Z-Source Converter: Power System Application Approach. Advances in Electrical and Electronic Engineering, 2017, 15, .	0.2	0
85	Optimal integration of multiple wind farms into bulk electric system considering wind speed correlation uncertainties. International Transactions on Electrical Energy Systems, 2016, 26, 1085-1102.	1.2	6
86	Integrated planning of Natural Gas and electricity distribution networks with the presence of distributed natural gas fired generators. , 2016, , .		10
87	Effects of district heating networks on optimal energy flow of multi-carrier systems. Renewable and Sustainable Energy Reviews, 2016, 59, 379-387.	8.2	67
88	Big Data Analytics for Modelling the Impact of Wind Power Generation on Competitive Electricity Market Prices. , 2016, , .		3
89	Risk-Constrained Bidding and Offering Strategy for a Merchant Compressed Air Energy Storage Plant. IEEE Transactions on Power Systems, 2016, , 1-1.	4.6	58
90	Bidding strategy for an energy storage facility. , 2016, , .		11

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91	Adaptive self-tuning PID fuzzy sliding mode control for mitigating power system oscillations. Neurocomputing, 2016, 218, 146-153.	3.5	18
92	The demand side management program considering AC/DC hybrid distribution system concept based on the energy hub. , 2016, , .		6
93	A new hybrid stochastic-robust optimization approach for self-scheduling of generation companies. International Transactions on Electrical Energy Systems, 2016, 26, 1244-1259.	1.2	13
94	An Integrated Steady-State Operation Assessment of Electrical, Natural Gas, and District Heating Networks. IEEE Transactions on Power Systems, 2016, 31, 3636-3647.	4.6	185
95	Impacts of Ramp Rate Limits on Oligopolistic Opportunities in Electricity Markets. IEEE Systems Journal, 2016, 10, 127-135.	2.9	5
96	A Data-Driven Method to Detect the Abnormal Instances in an Electricity Market. , 2015, , .		2
97	Day-Ahead Power Output Forecasting for Small-Scale Solar Photovoltaic Electricity Generators. IEEE Transactions on Smart Grid, 2015, 6, 2253-2262.	6.2	142
98	Simultaneous integrated optimal energy flow of electricity, gas, and heat. Energy Conversion and Management, 2015, 101, 579-591.	4.4	130
99	Stochastic reactive power dispatch in hybrid power system with intermittent wind power generation. Energy, 2015, 89, 511-518.	4.5	15
100	Unified electrical and thermal energy expansion planning with considering network reconfiguration. IET Generation, Transmission and Distribution, 2015, 9, 592-601.	1.4	26
101	Considering cost and reliability in electrical and thermal distribution networks reinforcement planning. Energy, 2015, 84, 25-35.	4.5	31
102	Energy Flow Optimization in Multicarrier Systems. IEEE Transactions on Industrial Informatics, 2015, 11, 1067-1077.	7.2	126
103	Centralized home energy management in multi-carrier energy frameworks. , 2015, , .		6
104	Multi-objective operation management of a multi-carrier energy system. Energy, 2015, 88, 430-442.	4.5	88
105	Optimal voltage control and loss reduction in microgrid by active and reactive power generation. Journal of Intelligent and Fuzzy Systems, 2014, 27, 1649-1658.	0.8	4
106	On comparison of two strategies in net demand forecasting using Wavelet Neural Network. , 2014, , .		10
107	Fuzzy-TLBO optimal reactive power control variables planning for energy loss minimization. Energy Conversion and Management, 2014, 77, 208-215.	4.4	32
108	Energy expansion planning by considering electrical and thermal expansion simultaneously. Energy Conversion and Management, 2014, 83, 9-18.	4.4	26

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109	A modified teachingâ€“learning based optimization for multi-objective optimal power flow problem. Energy Conversion and Management, 2014, 77, 597-607.	4.4	161
110	Forecasting aggregated wind power production of multiple wind farms using hybrid wavelet-PSO-NNs. International Journal of Energy Research, 2014, 38, 1654-1666.	2.2	54
111	Descriptive Models for Reserve and Regulation Prices in Competitive Electricity Markets. IEEE Transactions on Smart Grid, 2014, 5, 471-479.	6.2	25
112	The Value of Intra-Day Markets in Power Systems With High Wind Power Penetration. IEEE Transactions on Power Systems, 2014, 29, 1121-1132.	4.6	32
113	Simultaneous Integrated stochastic electrical and thermal energy expansion planning. IET Generation, Transmission and Distribution, 2014, 8, 1017-1027.	1.4	26
114	Expert energy management of a micro-grid considering wind energy uncertainty. Energy Conversion and Management, 2014, 83, 58-72.	4.4	201
115	Real time voltage stabilization in microgrid. Archives of Electrical Engineering, 2014, 63, 273-293.	1.0	2
116	Stochastic security-constrained joint market clearing for energy and reserves auctions considering uncertainties of wind power producers and unreliable equipment. International Transactions on Electrical Energy Systems, 2013, 23, 451-472.	1.2	20
117	Stochastic selfâ€scheduling of generation companies in dayâ€ahead multiâ€auction electricity markets considering uncertainty of units and electricity market prices. IET Generation, Transmission and Distribution, 2013, 7, 735-744.	1.4	16
118	Reliability Modeling of Dynamic Thermal Rating. IEEE Transactions on Power Delivery, 2013, 28, 1600-1609.	2.9	43
119	Probabilistic Power Flow by Monte Carlo Simulation With Latin Supercube Sampling. IEEE Transactions on Power Systems, 2013, 28, 1550-1559.	4.6	165
120	A nonlinear-hybrid fuzzy/probabilistic load flow for radial distribution systems. International Journal of Electrical Power and Energy Systems, 2013, 47, 69-77.	3.3	13
121	Multi-objective energy management of CHP (combined heat and power)-based micro-grid. Energy, 2013, 51, 123-136.	4.5	155
122	A new algorithm for combined heat and power dynamic economic dispatch considering valve-point effects. Energy, 2013, 52, 320-332.	4.5	55
123	Application of information-gap decision theory to risk-constrained self-scheduling of GenCos. IEEE Transactions on Power Systems, 2013, 28, 1093-1102.	4.6	167
124	A new coordinated approach to state estimation in integrated power systems. International Journal of Electrical Power and Energy Systems, 2013, 45, 152-158.	3.3	27
125	Linearized Power Flow Equations Based Predictive Control of Transmission Voltages. , 2013, , .		6
126	Comparison between Different Control Strategies of a Z-Source Inverter Based Dynamic Voltage Restorer. Advances in Electrical and Electronic Engineering, 2013, 11, .	0.2	0

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127	Investigation of enabling wind generations employing plug-in hybrid electric vehicles. , 2012, , .		0
128	A New Stochastic Search Technique Combined With Scenario Approach for Dynamic State Estimation of Power Systems. IEEE Transactions on Power Systems, 2012, 27, 2093-2105.	4.6	30
129	A Chance-Constrained Optimization Approach for Control of Transmission Voltages. IEEE Transactions on Power Systems, 2012, 27, 1568-1576.	4.6	21
130	Medium-term electricity price forecasting. , 2012, , .		18
131	Data Mining for Electricity Price Classification and the Application to Demand-Side Management. IEEE Transactions on Smart Grid, 2012, 3, 808-817.	6.2	66
132	Optimal Reactive Power Control in Hybrid Power Systems. Electric Power Components and Systems, 2012, 40, 741-758.	1.0	15
133	Data centres in the ancillary services market. , 2012, , .		40
134	Impacts of Large-Scale Integration of Intermittent Resources on Electricity Markets: A Supply Function Equilibrium Approach. IEEE Systems Journal, 2012, 6, 220-232.	2.9	42
135	Solution of Optimal Power Flow Subject to Security Constraints by a New Improved Bacterial Foraging Method. IEEE Transactions on Power Systems, 2012, 27, 1311-1323.	4.6	53
136	Electricity Price and Demand Forecasting in Smart Grids. IEEE Transactions on Smart Grid, 2012, 3, 664-674.	6.2	128
137	Comparative Studies of Different Switching Patterns for Direct and Indirect Space Vector Modulated Matrix Converter. Advances in Power Electronics, 2012, 2012, 1-8.	0.8	1
138	Comparative Studies of Different Control Strategies of a Dynamic Voltage Restorer Based on Matrix Converter. Advances in Power Electronics, 2012, 2012, 1-9.	0.8	7
139	Fuzzy reactive power optimization in hybrid power systems. International Journal of Electrical Power and Energy Systems, 2012, 42, 375-383.	3.3	11
140	Distribution feeder reconfiguration considering fuel cell/wind/photovoltaic power plants. Renewable Energy, 2012, 37, 213-225.	4.3	119
141	Multi-operation management of a typical micro-grids using Particle Swarm Optimization: A comparative study. Renewable and Sustainable Energy Reviews, 2012, 16, 1268-1281.	8.2	149
142	A Dynamic Voltage Restorer based on Matrix Converter with Fuzzy Controller. Advances in Electrical and Electronic Engineering, 2012, 10, .	0.2	10
143	Triangular and Trapezoidal Fuzzy State Estimation with Uncertainty on Measurements. Advances in Electrical and Electronic Engineering, 2012, 10, .	0.2	1
144	Modeling and Simulation of the Series Connected Matrix Converter in Newton Power Flow. Trends in Applied Sciences Research, 2012, 7, 636-650.	0.4	1

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145	Mathematical Analysis on Pulse Width Modulated Switching Functions of Matrix Converter. Trends in Applied Sciences Research, 2012, 7, 706-723.	0.4	2
146	A New Reinforcement Learning Optimization Method for Capacitor Allocation Considering Variable Load. Trends in Applied Sciences Research, 2012, 7, 210-220.	0.4	1
147	Time averaging and threshold effect on statistics of residential power consumption. , 2011, , .		2
148	Wind power ramp events classification and forecasting: A data mining approach. , 2011, , .		50
149	Electricity price thresholding and classification. , 2011, , .		2
150	Study of forecasting renewable energies in smart grids using linear predictive filters and neural networks. IET Renewable Power Generation, 2011, 5, 470.	1.7	59
151	Classification of Future Electricity Market Prices. IEEE Transactions on Power Systems, 2011, 26, 165-173.	4.6	74
152	Wind Power Prediction by a New Forecast Engine Composed of Modified Hybrid Neural Network and Enhanced Particle Swarm Optimization. IEEE Transactions on Sustainable Energy, 2011, 2, 265-276.	5.9	245
153	Multi-objective operation management of a renewable MG (micro-grid) with back-up micro-turbine/fuel cell/battery hybrid power source. Energy, 2011, 36, 6490-6507.	4.5	479
154	A new hybrid iterative method for short-term wind speed forecasting. European Transactions on Electrical Power, 2011, 21, 581-595.	1.0	33
155	A practical eco-environmental distribution network planning model including fuel cells and non-renewable distributed energy resources. Renewable Energy, 2011, 36, 179-188.	4.3	112
156	Adaptive control of DC link voltage of PWM VSC rectifier under unbalanced voltage source and uncertain parameters. , 2011, , .		2
157	Sensitivity-Based Method for the Effective Location of SSSC. Journal of Power Electronics, 2011, 11, 90-96.	0.9	9
158	Low-complexity decoding for non-binary LDPC codes in high order fields. IEEE Transactions on Communications, 2010, 58, 1365-1375.	4.9	188
159	Short-Term Load Forecast of Microgrids by a New Bilevel Prediction Strategy. IEEE Transactions on Smart Grid, 2010, 1, 286-294.	6.2	246
160	Fuzzy load flow in balanced and unbalanced radial distribution systems incorporating composite load model. International Journal of Electrical Power and Energy Systems, 2010, 32, 17-23.	3.3	37
161	Application of Constriction Factor Particle Swarm Optimization to Optimum Load Shedding in Power System. Modern Applied Science, 2010, 4, .	0.4	7
162	Smart grid: An intelligent way to empower energy choices. , 2010, , .		1

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163	An overview of the operation of the Alberta electricity market. , 2010, , .		0
164	Economic Impact of Electricity Market Price Forecasting Errors: A Demand-Side Analysis. IEEE Transactions on Power Systems, 2010, 25, 254-262.	4.6	70
165	A Transmission Planning Framework Considering Future Generation Expansions in Electricity Markets. IEEE Transactions on Power Systems, 2010, 25, 1987-1995.	4.6	84
166	Electricity market price forecasting in a price-responsive smart grid environment. , 2010, , .		4
167	Medium-term electricity market price forecasting: A data-driven approach. , 2010, , .		13
168	An advanced strategy for wind speed forecasting using expert 2-D FIR filters. Advances in Electrical and Computer Engineering, 2010, 10, 103-110.	0.5	4
169	Optimal Meter Placement by Reconciliation Conventional Measurements and Phasor Measurement Units (PMUs). Journal of Modern Applied Statistical Methods, 2010, 9, 296-303.	0.2	2
170	A New Hybrid Optimization Method for Optimum Distribution Capacitor Planning. Modern Applied Science, 2009, 3, .	0.4	5
171	An Optimal Load Shedding Approach for Distribution Networks with DGs Considering Capacity Deficiency Modelling of Bulked Power Supply. Modern Applied Science, 2009, 3, .	0.4	18
172	Environmental benefits of plug-in hybrid electric vehicles: The case of Alberta. , 2009, , .		17
173	A hybrid optimization approach for distribution capacitor allocation considering varying load conditions. International Journal of Electrical Power and Energy Systems, 2009, 31, 589-595.	3.3	16
174	Fast and Perfect Damping Circuit for Ferroresonance Phenomena in Coupling Capacitor Voltage Transformers. Electric Power Components and Systems, 2009, 37, 393-402.	1.0	20
175	Harmonic reduction in TCR and TSC using Artificial Neural Network. , 2009, , .		3
176	Transmission planning in deregulated markets considering GenCos' strategic behavior. , 2008, , .		2
177	Optimum simultaneous clearing of energy and spinning reserve markets using cost/benefit analysis. , 2008, , .		11
178	A Novel Method Mixed Power Flow in Transmission and Distribution Systems by Using Master-Slave Splitting Method. Electric Power Components and Systems, 2008, 36, 1141-1149.	1.0	26
179	The Operation of Ontario's Competitive Electricity Market: Overview, Experiences, and Lessons. IEEE Transactions on Power Systems, 2007, 22, 1782-1793.	4.6	38
180	Reactive power planning in distribution systems using a reinforcement learning method. , 2007, , .		0

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181	Development of a hybrid simulator of a fossil fuel steam power plant. , 2003, , .		1
182	An intelligent tutoring system for a power plant simulator. Electric Power Systems Research, 2002, 62, 161-171.	2.1	8
183	Dynamic analysis of induction motors with saturable inductances. Electric Power Systems Research, 1995, 34, 205-210.	2.1	11
184	Fuzzy optimal reactive power control. Electric Power Systems Research, 1994, 30, 47-55.	2.1	6
185	Fuzzy power flow analysis. Electric Power Systems Research, 1994, 29, 105-109.	2.1	27