Nima Amjady

List of Publications by Year
in descending order

214 papers	10,256 citations	29994 54 h-index	42291 92 g-index
214 all docs	214 docs citations	214 times ranked	6855 citing authors

#	Article	IF	Citations
1	A Linearized AC Planning Model for Generations and SFCLs Incorporating Transient Stability and Short-Circuit Constraints. IEEE Transactions on Power Systems, 2022, 37, 715-725.	4.6	3
2	A New Solar Power Prediction Method Based on Feature Clustering and Hybrid-Classification-Regression Forecasting. IEEE Transactions on Sustainable Energy, 2022, 13, 1188-1198.	5.9	19
3	Guest Editorial for the Special Section on Advances in Renewable Energy Forecasting: Predictability, Business Models and Applications in the Power Industry. IEEE Transactions on Sustainable Energy, 2022, 13, 1166-1168.	5.9	1
4	Maximizing the utilization of existing grids for renewable energy integration. Renewable Energy, 2022, 189, 618-629.	4.3	8
5	Evaluating resiliency of electric power generators against earthquake to maintain synchronism. Electric Power Systems Research, 2022, 210, 108127.	2.1	2
6	Multiscale Multiresolution Generation Maintenance Scheduling: A Stochastic Affinely Adjustable Robust Approach. IEEE Systems Journal, 2021, 15, 893-904.	2.9	5
7	Convex Model for Controlled Islanding in Transmission Expansion Planning to Improve Frequency Stability. IEEE Transactions on Power Systems, 2021, 36, 58-67.	4.6	14
8	A critical review<scp>on definitions</scp>, indices, and uncertainty characterization<scp>in resiliencyâ€oriented</scp>operation of<scp>power systems</scp>. International Transactions on Electrical Energy Systems, 2021, 31, e12680.	1.2	16
9	Contingencyâ€constrained operation optimization of microgrid with wind and solar generations: A decisionâ€driven stochastic adaptiveâ€robust approach. IET Renewable Power Generation, 2021, 15, 326-341.	1.7	8
10	Data-Driven Classifier for Extreme Outage Prediction Based On Bayes Decision Theory. IEEE Transactions on Power Systems, 2021, 36, 4906-4914.	4.6	19
11	Nested Bilevel Optimization for DERA Operation Strategy: A Stochastic Multiobjective IGDT Model With Hybrid Endogenous/Exogenous Scenarios. IEEE Systems Journal, 2021, , 1-12.	2.9	0
12	A Two-stage Adaptive Robust Model for Residential Micro-CHP Expansion Planning. Journal of Modern Power Systems and Clean Energy, 2021, 9, 826-836.	3.3	5
13	Reintegration-based controlled islanding considering fast and slow active/reactive corrective actions to enhance frequency and transient voltage stabilities. Electric Power Systems Research, 2021, 193, 107018.	2.1	3
14	Tracking Equilibrium Point Under Real-Time Price-Based Residential Demand Response. IEEE Transactions on Smart Grid, 2021, 12, 2736-2740.	6.2	21
15	Closure to Discussion on â€œRobust Resiliency-Oriented Operation of Active Distribution Networks Considering Windstormsâ€. IEEE Transactions on Power Systems, 2021, 36, 4901-4901.	4.6	0
16	Energy Storage as a Service: Optimal sizing for Transmission Congestion Relief. Applied Energy, 2021, 298, 117095.	5.1	19
17	Joint investment of community energy storage systems in distribution networks using modified Nash bargaining theory. Applied Energy, 2021, 301, 117475.	5.1	8
18	Short-Circuit Constrained Power System Expansion Planning Considering Bundling and Voltage Levels of Lines. IEEE Transactions on Power Systems, 2020, 35, 584-593.	4.6	13

#	Article	IF	Citations
19	A linearized energy hub operation model at the presence of uncertainties: An adaptive robust solution approach. International Transactions on Electrical Energy Systems, 2020, 30, e12193.	1.2	14
20	VPP Self-Scheduling Strategy Using Multi-Horizon IGDT, Enhanced Normalized Normal Constraint, and Bi-Directional Decision-Making Approach. IEEE Transactions on Smart Grid, 2020, 11, 3632-3645.	6.2	22
21	A decoupled extended power flow analysis based on Newton-Raphson method for islanded microgrids. International Journal of Electrical Power and Energy Systems, 2020, 117, 105705.	3.3	21
22	A Robust Coordinated Expansion Planning Model For Wind Farm-Integrated Power Systems With Flexibility Sources Using Affine Policies. IEEE Systems Journal, 2020, 14, 4110-4118.	2.9	20
23	Incorporating energy storage and demand response into intentional controlled islanding using time decomposition. International Transactions on Electrical Energy Systems, 2020, 30, e12553.	1.2	3
24	Energy Storage as a Service: Optimal Pricing for Transmission Congestion Relief. IEEE Open Access Journal of Power and Energy, 2020, 7, 514-523.	2.5	13
25	Frequency-constrained unit-commitment using analytical solutions for system frequency responses considering generator contingencies. IET Generation, Transmission and Distribution, 2020, 14, 3548-3560.	1.4	22
26	Transmission Expansion Planning Including TCSCs and SFCLs: A MINLP Approach. IEEE Transactions on Power Systems, 2020, 35, 4396-4407.	4.6	24
27	Robust Resiliency-Oriented Operation of Active Distribution Networks Considering Windstorms. IEEE Transactions on Power Systems, 2020, 35, 3481-3493.	4.6	45
28	Demand Response-Based Operation Model in Electricity Markets With High Wind Power Penetration. IEEE Transactions on Sustainable Energy, 2019, 10, 918-930.	5.9	31
29	Optimal operation strategy for multi-carrier energy systems including various energy converters by multi-objective information gap decision theory and enhanced directed search domain method. Energy Conversion and Management, 2019, 198, 111804.	4.4	20
30	A new AC OPF tool for sub-transmission networks considering distribution switching actions and load-transferring capability. International Transactions on Electrical Energy Systems, 2019, 29, e12029.	1.2	2
31	Adaptive-robust multi-resolution generation maintenance scheduling with probabilistic reliability constraint. IET Generation, Transmission and Distribution, 2019, 13, 3292-3301.	1.4	8
32	Optimal placement of resistive/inductive SFCLs considering short-circuit levels using complex artificial bee colony algorithm. IET Generation, Transmission and Distribution, 2019, 13, 5561-5568.	1.4	7
33	Novel notions of zero injection property of buses in optimal PMU location with efficient observability enhancement focusing on security concepts. Electric Power Systems Research, 2019, 169, 24-34.	2.1	10
34	Enhanced goal attainment method for solving multi-objective security-constrained optimal power flow considering dynamic thermal rating of lines. Applied Soft Computing Journal, 2019, 77, 41-49.	4.1	17
35	Optimal substation-based joint allocation of PMUs and measuring channels considering network expansion planning. International Journal of Electrical Power and Energy Systems, 2019, 106, 274-287.	3.3	6
36	A New Hybrid State Estimation Considering Different Accuracy Levels of PMU and SCADA Measurements. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3078-3089.	2.4	38

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37	Adaptive robust optimization framework for day-ahead microgrid scheduling. International Journal of Electrical Power and Energy Systems, 2019, 107, 213-223.	3.3	67
38	Stochastic multiobjective generation maintenance scheduling using augmented normalized normal constraint method and stochastic decision maker. International Transactions on Electrical Energy Systems, 2019, 29, e2722.	1.2	10
39	Affinely Adjustable Robust Bidding Strategy for a Solar Plant Paired With a Battery Storage. IEEE Transactions on Smart Grid, 2019, 10, 2629-2640.	6.2	41
40	A Hybrid Estimation and Identification Method for Online Calculation of Voltage-Dependent Load Parameters. IEEE Systems Journal, 2019, 13, 792-801.	2.9	5
41	Incorporating Bus-Bar Switching Actions into AC OPF to Avoid Over-Current Status. Scientia Iranica, 2019, .	0.3	0
42	A techno-economic assessment for replacement of conventional fossil fuel based technologies in animal farms with biogas fueled CHP units. Renewable Energy, 2018, 118, 602-614.	4.3	47
43	Enhancing power system state estimation by incorporating equality constraints of voltage dependent loads and zero injections. International Journal of Electrical Power and Energy Systems, 2018, 99, 659-671.	3.3	5
44	A Multistage Robust Transmission Expansion Planning Model Based on Mixed Binary Linear Decision Rulesâ€"Part I. IEEE Transactions on Power Systems, 2018, 33, 5341-5350.	4.6	33
45	Adaptive Robust Self-Scheduling for a Wind Producer With Compressed Air Energy Storage. IEEE Transactions on Sustainable Energy, 2018, 9, 1659-1671.	5.9	57
46	A Multistage Robust Transmission Expansion Planning Model Based on Mixed-Binary Linear Decision Rulesâ€"Part II. IEEE Transactions on Power Systems, 2018, 33, 5351-5364.	4.6	8
47	Improved normalised normal constraint method to solve multiâ€‹objective optimal power flow problem. IET Generation, Transmission and Distribution, 2018, 12, 859-872.	1.4	23
48	A critical review of robust self-scheduling for generation companies under electricity price uncertainty. International Journal of Electrical Power and Energy Systems, 2018, 97, 428-439.	3.3	16
49	Improving topology error identification through considering parameter and measurement errors. International Journal of Electrical Power and Energy Systems, 2018, 97, 309-318.	3.3	3
50	A Robust Model for Multiyear Distribution Network Reinforcement Planning Based on Information-Gap Decision Theory. IEEE Transactions on Power Systems, 2018, 33, 1339-1351.	4.6	44
51	Adaptive Robust Expansion Planning for a Distribution Network With DERs. IEEE Transactions on Power Systems, 2018, 33, 1698-1715.	4.6	86
52	Multistage Multiresolution Robust Unit Commitment With Nondeterministic Flexible Ramp Considering Load and Wind Variabilities. IEEE Transactions on Sustainable Energy, 2018, 9, 872-883.	5.9	65
53	Solar energy forecasting based on hybrid neural network and improved metaheuristic algorithm. Computational Intelligence, 2018, 34, 241-260.	2.1	178
54	Adaptive robust AC optimal power flow considering load and wind power uncertainties. International Journal of Electrical Power and Energy Systems, 2018, 96, 132-142.	3.3	43

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55	Robust optimisation‐based state estimation considering parameter errors for systems observed by phasor measurement units. IET Generation, Transmission and Distribution, 2018, 12, 1915-1921.	1.4	4
56	Flexibility contribution of heat ventilation and air conditioning loads in a multi‐stage robust unit commitment with non‐deterministic variability‐oriented ramp reserves. IET Generation, Transmission and Distribution, 2018, 12, 3037-3045.	1.4	7
57	Non‐deterministic optimal power flow considering the uncertainties of wind power and load demand by multi‐objective information gap decision theory and directed search domain method. IET Renewable Power Generation, 2018, 12, 1354-1365.	1.7	15
58	Robust Security Constrained ACOPF via Conic Programming: Identifying the Worst Contingencies. IEEE Transactions on Power Systems, 2018, 33, 5884-5891.	4.6	31
59	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
60	Adaptive Robust Network-Constrained AC Unit Commitment. IEEE Transactions on Power Systems, 2017, 32, 672-683.	4.6	65
61	Day-Ahead Financial Loss/Gain Modeling and Prediction for a Generation Company. IEEE Transactions on Power Systems, 2017, 32, 3360-3372.	4.6	16
62	Adaptive Robust Transmission Expansion Planning Using Linear Decision Rules. IEEE Transactions on Power Systems, 2017, 32, 4024-4034.	4.6	64
63	Multi-period stochastic security-constrained OPF considering the uncertainty sources of wind power, load demand and equipment unavailability. Electric Power Systems Research, 2017, 146, 33-42.	2.1	53
64	Risk-minimizing stochastic self-scheduling model for microgrid in day-ahead electricity market. International Transactions on Electrical Energy Systems, 2017, 27, e2302.	1.2	10
65	A new optimal power flow approach for wind energy integrated power systems. Energy, 2017, 134, 349-359.	4.5	27
66	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
67	Effective prediction model for Hungarian small‐scale solar power output. IET Renewable Power Generation, 2017, 11, 1648-1658.	1.7	60
68	A novel two-stage evolutionary optimization method for multiyear expansion planning of distribution systems in presence of distributed generation. Applied Soft Computing Journal, 2017, 52, 1098-1115.	4.1	24
69	Modelling and optimisation for costly efficiency improvements on residential appliances considering consumer's income level. IET Generation, Transmission and Distribution, 2017, 11, 3992-4001.	1.4	9
70	Short Term Wind Power Prediction Based on Improved Kriging Interpolation, Empirical Mode Decomposition, and Closed-Loop Forecasting Engine. Sustainability, 2017, 9, 2104.	1.6	42
71	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
72	Stochastic security-constrained optimal power flow incorporating preventive and corrective actions. International Transactions on Electrical Energy Systems, 2016, 26, 2337-2352.	1.2	16

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73	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
74	Net demand prediction for power systems by a new neural network‐based forecasting engine. Complexity, 2016, 21, 296-308.	0.9	27
75	Self-scheduling of generation companies via stochastic optimization considering uncertainty of units. , 2016, , .		0
76	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
77	Short-term load forecast of electrical power system by radial basis function neural network and new stochastic search algorithm. International Transactions on Electrical Energy Systems, 2016, 26, 1511-1525.	1.2	51
78	A new metaheuristic algorithm based on shark smell optimization. Complexity, 2016, 21, 97-116.	0.9	157
79	Robust Transmission and Energy Storage Expansion Planning in Wind Farm-Integrated Power Systems Considering Transmission Switching. IEEE Transactions on Sustainable Energy, 2016, 7, 765-774.	5.9	152
80	A multiyear DG-incorporated framework for expansion planning of distribution networks using binary chaotic shark smell optimization algorithm. Energy, 2016, 102, 199-215.	4.5	47
81	Solution of security constrained optimal power flow for large‐scale power systems by convex transformation techniques and Taylor series. IET Generation, Transmission and Distribution, 2016, 10, 889-896.	1.4	25
82	Special protection scheme against voltage collapse. IET Generation, Transmission and Distribution, 2016, 10, 341-351.	1.4	22
83	A new multi-objective solution approach to solve transmission congestion management problem of energy markets. Applied Energy, 2016, 165, 462-471.	5.1	43
84	Flexibility in future power systems with high renewable penetration: A review. Renewable and Sustainable Energy Reviews, 2016, 57, 1186-1193.	8.2	276
85	Reliability-Constrained Robust Power System Expansion Planning. IEEE Transactions on Power Systems, 2016, 31, 2383-2392.	4.6	95
86	Self-scheduling of a wind producer based on Information Gap Decision Theory. Energy, 2015, 81, 588-600.	4.5	47
87	Prediction of dynamic voltage stability status based on Hopf and limit induced bifurcations using extreme learning machine. International Journal of Electrical Power and Energy Systems, 2015, 69, 150-159.	3.3	8
88	Optimal dynamic expansion planning of distribution systems considering non-renewable distributed generation using a new heuristic double-stage optimization solution approach. Applied Energy, 2015, 156, 655-665.	5.1	34
89	Short-term wind power prediction based on Hybrid Neural Network and chaotic shark smell optimization. International Journal of Precision Engineering and Manufacturing - Green Technology, 2015, 2, 245-254.	2.7	50
90	Short-term electricity load forecasting of buildings in microgrids. Energy and Buildings, 2015, 99, 50-60.	3.1	148

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91	Optimal design of power system stabilizer for power systems including doubly fed induction generator wind turbines. Energy, 2015, 84, 1-14.	4.5	22
92	Security constrained multi-period optimal power flow by a new enhanced artificial bee colony. Applied Soft Computing Journal, 2015, 37, 382-395.	4.1	21
93	Electricity price forecast using Combinatorial Neural Network trained by a new stochastic search method. Energy Conversion and Management, 2015, 105, 642-654.	4.4	69
94	Prediction of Generators' Participation Factors and Oscillation Types for Dominant Oscillatory Modes of Power System. Electric Power Components and Systems, 2015, 43, 1727-1740.	1.0	3
95	A Fourier Based Wavelet Approach Using Heisenbergâ€™s Uncertainty Principle and Shannonâ€™s Entropy Criterion to Monitor Power System Small Signal Oscillations. IEEE Transactions on Power Systems, 2015, 30, 3314-3326.	4.6	33
96	Wind power forecast using wavelet neural network trained by improved Clonal selection algorithm. Energy Conversion and Management, 2015, 89, 588-598.	4.4	196
97	A new two-stage framework for voltage stability enhancement incorporating preventive and corrective control actions. International Transactions on Electrical Energy Systems, 2015, 25, 1492-1521.	1.2	3
98	A New Dual Lagrangian Model and Input/Output Feedback Linearization Control of 3-Phase/Level NPC Voltage-Source Rectifier. Automatika, 2014, 55, 99-111.	1.2	15
99	Stochastic securityâ€constrained hydrothermal unit commitment considering uncertainty of load forecast, inflows to reservoirs and unavailability of units by a new hybrid decomposition strategy. IET Generation, Transmission and Distribution, 2014, 8, 1900-1915.	1.4	29
100	System modeling and optimization for islanded micro-grid using multi-cross learning-based chaotic differential evolution algorithm. International Journal of Electrical Power and Energy Systems, 2014, 56, 349-360.	3.3	58
101	A new evolutionary solution method for dynamic expansion planning of DG-integrated primary distribution networks. Energy Conversion and Management, 2014, 82, 61-70.	4.4	40
102	Generation and Transmission Expansion Planning: MILPâ€"Based Probabilistic Model. IEEE Transactions on Power Systems, 2014, 29, 1592-1601.	4.6	149
103	Non-convex security constrained optimal power flow by a new solution method composed of Benders decomposition and special ordered sets. International Transactions on Electrical Energy Systems, 2014, 24, 842-857.	1.2	19
104	Eventâ€based remedial action scheme against superâ€component contingencies to avert frequency and voltage instabilities. IET Generation, Transmission and Distribution, 2014, 8, 1591-1603.	1.4	20
105	Two-Stage Robust Generation Expansion Planning: A Mixed Integer Linear Programming Model. IEEE Transactions on Power Systems, 2014, 29, 584-597.	4.6	127
106	Multiâ€objective robust transmission expansion planning using informationâ€gap decision theory and augmented $\acute{E}$ â€constraint method. IET Generation, Transmission and Distribution, 2014, 8, 828-840.	1.4	82
107	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
108	Hydrothermal coordination by bi-level optimization and composite constraint handling method. International Journal of Electrical Power and Energy Systems, 2014, 62, 476-489.	3.3	8

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109	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
110	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
111	Robust transmission system expansion considering planning uncertainties. IET Generation, Transmission and Distribution, 2013, 7, 1318-1331.	1.4	42
112	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
113	Security-constrained self-scheduling of generation companies in day-ahead electricity markets considering financial risk. Energy Conversion and Management, 2013, 65, 164-172.	4.4	26
114	Hydrothermal unit commitment with AC constraints by a new solution method based on benders decomposition. Energy Conversion and Management, 2013, 65, 57-65.	4.4	53
115	Security constrained unit commitment of power systems by a new combinatorial solution strategy composed of enhanced harmony search algorithm and numerical optimization. International Journal of Electrical Power and Energy Systems, 2013, 44, 471-481.	3.3	26
116	Solution of economic load dispatch problem via hybrid particle swarm optimization with time-varying acceleration coefficients and bacteria foraging algorithm techniques. International Transactions on Electrical Energy Systems, 2013, 23, 1504-1522.	1.2	33
117	Solution of largeâ€scale security constrained optimal power flow by a new biâ€level optimisation approach based on enhanced gravitational search algorithm. IET Generation, Transmission and Distribution, 2013, 7, 1481-1491.	1.4	40
118	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
119	Multi-objective Environmental/Economic Dispatch using firefly technique. , 2012, , .		24
120	Security-constrained Unit Commitment Considering Hydro Units and AC Network Modeling by a New Hybrid Solution Method Composed of Benders Decomposition and Outer Approximation. Electric Power Components and Systems, 2012, 40, 1445-1469.	1.0	6
121	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
122	Multi-stage Fuzzy PID Load Frequency Control via SPHBMO in deregulated environment. , 2012, , .		9
123	Optimal congestion management in an electricity market using Modified Invasive Weed Optimization. , 2012, , .		4
124	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
125	A scenario-based multiobjective operation of electricity markets enhancing transient stability. International Journal of Electrical Power and Energy Systems, 2012, 35, 112-122.	3.3	30
126	Dynamic voltage stability constrained congestion management framework for deregulated electricity markets. Energy Conversion and Management, 2012, 58, 66-75.	4.4	25

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127	Midterm Demand Prediction of Electrical Power Systems Using a New Hybrid Forecast Technique. IEEE Transactions on Power Systems, 2011, 26, 755-765.	4.6	53
128	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
129	Short-term wind power forecasting using ridgelet neural network. Electric Power Systems Research, 2011, 81, 2099-2107.	2.1	105
130	Multi-objective congestion management by modified augmented Îµ-constraint method. Applied Energy, 2011, 88, 755-766.	5.1	85
131	Stochastic multi-objective congestion management in power markets improving voltage and transient stabilities. European Transactions on Electrical Power, 2011, 21, 99-115.	1.0	8
132	Dynamic voltage stability prediction of power systems by a new feature selection technique and probabilistic neural network. European Transactions on Electrical Power, 2011, 21, 312-328.	1.0	8
133	Demand-side reserve in stochastic market clearing of joint energy/reserve auctions. European Transactions on Electrical Power, 2011, 21, 565-580.	1.0	8
134	A new hybrid iterative method for short-term wind speed forecasting. European Transactions on Electrical Power, 2011, 21, 581-595.	1.0	33
135	Economic impact of price forecasting inaccuracies on self-scheduling of generation companies. Electric Power Systems Research, 2011, 81, 617-624.	2.1	32
136	Security Constrained Unit Commitment by a new adaptive hybrid stochastic search technique. Energy Conversion and Management, 2011, 52, 1097-1106.	4.4	30
137	Security constrained optimal power flow considering detailed generator model by a new robust differential evolution algorithm. Electric Power Systems Research, 2011, 81, 740-749.	2.1	55
138	Multi-objective electricity market clearing considering dynamic security by lexicographic optimization and augmented epsilon constraint method. Applied Soft Computing Journal, 2011, 11, 3846-3858.	4.1	140
139	A new prediction strategy for price spike forecasting of day-ahead electricity markets. Applied Soft Computing Journal, 2011, 11, 4246-4256.	4.1	60
140	A New Neural Network Approach to Short Term Load Forecasting of Electrical Power Systems. Energies, 2011, 4, 488-503.	1.6	66
141	Incorporating power system security into marketâ€clearing of dayâ€ahead joint energy and reserves auctions. European Transactions on Electrical Power, 2010, 20, 140-156.	1.0	7
142	Reactive power market development considering power system security. Electrical Engineering, 2010, 92, 151-164.	1.2	8
143	Daily Hydrothermal Generation Scheduling by a new Modified Adaptive Particle Swarm Optimization technique. Electric Power Systems Research, 2010, 80, 723-732.	2.1	86
144	Solution of nonconvex and nonsmooth economic dispatch by a new Adaptive Real Coded Genetic Algorithm. Expert Systems With Applications, 2010, 37, 5239-5245.	4.4	99

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145	Application of a new hybrid neuro-evolutionary system for day-ahead price forecasting of electricity markets. Applied Soft Computing Journal, 2010, 10, 784-792.	4.1	47
146	Short-Term Load Forecast of Microgrids by a New Bilevel Prediction Strategy. IEEE Transactions on Smart Grid, 2010, 1, 286-294.	6.2	246
147	Pay-as-bid based reactive power market. Energy Conversion and Management, 2010, 51, 376-381.	4.4	49
148	Determination of frequency stability border of power system to set the thresholds of under frequency load shedding relays. Energy Conversion and Management, 2010, 51, 1864-1872.	4.4	16
149	Stochastic congestion management in power markets using efficient scenario approaches. Energy Conversion and Management, 2010, 51, 2285-2293.	4.4	39
150	Multiobjective clearing of coupled active and reactive power market considering power system security. European Transactions on Electrical Power, 2010, 20, 1190-1208.	1.0	10
151	Congestion management enhancing transient stability of power systems. Applied Energy, 2010, 87, 971-981.	5.1	23
152	Solution of non-convex economic dispatch problem considering valve loading effect by a new Modified Differential Evolution algorithm. International Journal of Electrical Power and Energy Systems, 2010, 32, 893-903.	3.3	134
153	Electricity market price spike analysis by a hybrid data model and feature selection technique. Electric Power Systems Research, 2010, 80, 318-327.	2.1	55
154	A new spinning reserve requirement forecast method for deregulated electricity markets. Applied Energy, 2010, 87, 1870-1879.	5.1	29
155	A stochastic framework for clearing of reactive power market. Energy, 2010, 35, 239-245.	4.5	31
156	STOCHASTIC MARKET-CLEARING OF JOINT ENERGY AND RESERVES AUCTIONS. Asia-Pacific Journal of Operational Research, 2010, 27, 587-606.	0.9	1
157	Transient stability prediction of power systems by a new synchronism status index and hybrid classifier. IET Generation, Transmission and Distribution, 2010, 4, 509.	1.4	40
158	Day-ahead electricity price forecasting by modified relief algorithm and hybrid neural network. IET Generation, Transmission and Distribution, 2010, 4, 432.	1.4	125
159	Fuzzy game theory approach in calculating the optimal bidding strategy of generating companies with consideration of load forecast uncertainty. , 2009, , .		2
160	Coupled energy and reactive power market clearing considering power system security. Energy Conversion and Management, 2009, 50, 907-915.	4.4	47
161	Multi-objective market clearing of joint energy and reserves auctions ensuring power system security. Energy Conversion and Management, 2009, 50, 899-906.	4.4	33
162	Congestion management considering voltage security of power systems. Energy Conversion and Management, 2009, 50, 2562-2569.	4.4	34

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163	Day-ahead price forecasting of electricity markets by a new feature selection algorithm and cascaded neural network technique. Energy Conversion and Management, 2009, 50, 2976-2982.	4.4	60
164	Evaluation of the maximum loadability point of power systems considering the effect of static load models. Energy Conversion and Management, 2009, 50, 3202-3210.	4.4	14
165	Dayâ€ahead price forecasting of electricity markets by a hybrid intelligent system. European Transactions on Electrical Power, 2009, 19, 89-102.	1.0	63
166	Unit commitment using a new integer coded genetic algorithm. European Transactions on Electrical Power, 2009, 19, 1161-1176.	1.0	24
167	Market data analysis and short-term price forecasting in the Iran electricity market with pay-as-bid payment mechanism. Electric Power Systems Research, 2009, 79, 888-898.	2.1	22
168	Short-term load forecasting of power systems by combination of wavelet transform and neuro-evolutionary algorithm. Energy, 2009, 34, 46-57.	4.5	270
169	Multi-objective congestion management incorporating voltage and transient stabilities. Energy, 2009, 34, 1401-1412.	4.5	56
170	Market clearing of joint energy and reserves auctions using augmented payment minimization. Energy, 2009, 34, 1552-1559.	4.5	18
171	Mixed price and load forecasting of electricity markets by a new iterative prediction method. Electric Power Systems Research, 2009, 79, 1329-1336.	2.1	56
172	Design of input vector for day-ahead price forecasting of electricity markets. Expert Systems With Applications, 2009, 36, 12281-12294.	4.4	66
173	Multiobjective clearing of reactive power market in deregulated power systems. Applied Energy, 2009, 86, 1555-1564.	5.1	56
174	Joint market clearing in a stochastic framework considering power system security. Applied Energy, 2009, 86, 1675-1682.	5.1	53
175	Nonconvex Economic Dispatch With AC Constraints by a New Real Coded Genetic Algorithm. IEEE Transactions on Power Systems, 2009, 24, 1489-1502.	4.6	102
176	Day-Ahead Price Forecasting of Electricity Markets by Mutual Information Technique and Cascaded Neuro-Evolutionary Algorithm. IEEE Transactions on Power Systems, 2009, 24, 306-318.	4.6	207
177	Stochastic Multiobjective Market Clearing of Joint Energy and Reserves Auctions Ensuring Power System Security. IEEE Transactions on Power Systems, 2009, 24, 1841-1854.	4.6	185
178	Reactive power pricing [The Business Scene]. IEEE Power and Energy Magazine, 2009, 7, 18-32.	1.6	26
179	Consideration of load forecast uncertainty in calculating the optimal bidding strategy of Generating Companies. , 2009, , .		4
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