

Behrooz Vahidi

List of Publications by Year in descending order

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Version: 2024-02-01

260
papers

4,981
citations

109264

35
h-index

133188

59
g-index

261
all docs

261
docs citations

261
times ranked

4017
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Determining Lightning Vulnerability of Corner Points of Tall Buildings by Evaluating Their Relevant Risky Regions. Arabian Journal for Science and Engineering, 2022, 47, 2825-2834.	1.7	2
3	The impact of cyber network configuration on the dynamic-thermal failure of transformers considering distributed generator controller. International Journal of Electrical Power and Energy Systems, 2022, 137, 107786.	3.3	3
4	Transformers loss of life management in smart distribution networks using a new hybrid method based on optimal demand response programs and cost-benefit analysis. Electrical Engineering, 2022, 104, 1951-1966.	1.2	2
5	Analysis the effect of an ocean-land mixed propagation path on the induced voltage in overhead lines due to inclined lightning. Electric Power Systems Research, 2022, 206, 107799.	2.1	4
6	MOGROM: Multiobjective Golden Ratio Optimization Algorithm. , 2022, , 91-119.		1
7	Investigating the effect of lightning channel inclination on the induced voltage in overhead lines in the presence of horizontally stratified ground. Electric Power Systems Research, 2022, 208, 107919.	2.1	4
8	A novel life management model consists of chemical aging model and electrical-thermal aging model for power transformers using a new activation energy calculation method. Cellulose, 2022, 29, 4455-4473.	2.4	2
9	A Novel Methanol-Based DP Estimation Method with a New Methanol Peak Detector Index (MPDI) for Aging Assessment of Power Transformer Insulation Paper. IEEE Transactions on Dielectrics and Electrical Insulation, 2022, , 1-1.	1.8	1
10	Power transformer cellulosic insulation destruction assessment using a calculated index composed of CO, CO ₂ , 2-Furfural, and Acetylene. Cellulose, 2021, 28, 489-502.	2.4	14
11	A new-intelligent method for evaluating the lightning protection system performance of complex and asymmetric structures. Electric Power Systems Research, 2021, 190, 106843.	2.1	5
12	Hong Point Estimate Method to analyze uncertainty in the underground cables temperature. International Journal of Electrical Power and Energy Systems, 2021, 124, 106390.	3.3	6
13	A simple method to detect internal and external short-circuit faults, classify and locate different internal faults in transformers. Electrical Engineering, 2021, 103, 825-836.	1.2	4
14	Day-Ahead scheduling of centralized energy storage system in electrical networks by proposed stochastic MILP-Based bi-objective optimization approach. Electric Power Systems Research, 2021, 192, 106915.	2.1	14
15	Techno-Economical Analysis of Energy Storage Systems in Conventional Distribution Networks. Power Systems, 2021, , 417-442.	0.3	0
16	Sizing and Sitting of DERs in Active Distribution Networks Incorporating Load Prevailing Uncertainties Using Probabilistic Approaches. Applied Sciences (Switzerland), 2021, 11, 4156.	1.3	34
17	The effect of the inclined lightning channel on electromagnetic fields and the induced voltages on overhead lines. Electrical Engineering, 2021, 103, 3163-3176.	1.2	7
18	Optimal sizing of battery energy storage in a microgrid considering capacity degradation and replacement year. Electric Power Systems Research, 2021, 195, 107170.	2.1	52

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19	A novel meta-heuristic optimization method based on golden ratio in nature. <i>Soft Computing</i> , 2020, 24, 1117-1151.	2.1	75
20	New Transient Stability and LVRT Improvement of Multi-VSG Grids Using the Frequency of the Center of Inertia. <i>IEEE Transactions on Power Systems</i> , 2020, 35, 527-538.	4.6	69
21	Extending protection selectivity in low voltage DC microgrids using compensation gain and artificial line inductance. <i>Electric Power Systems Research</i> , 2020, 188, 106530.	2.1	9
22	Security constrained multi-objective bi-directional integrated electricity and natural gas co-expansion planning considering multiple uncertainties of wind energy and system demand. <i>IET Renewable Power Generation</i> , 2020, 14, 1395-1404.	1.7	10
23	Reliability evaluation of distribution transformers considering the negative and positive effects of rooftop photovoltaics. <i>IET Generation, Transmission and Distribution</i> , 2020, 14, 3063-3069.	1.4	8
24	Co-optimization of ampacity and lifetime with considering harmonic and stochastic parameters by Imperialist Competition Algorithm. <i>Applied Soft Computing Journal</i> , 2020, 96, 106599.	4.1	3
25	Power system flexibility improvement with a focus on demand response and wind power variability. <i>IET Renewable Power Generation</i> , 2020, 14, 1095-1103.	1.7	21
26	A novel protection scheme for low voltage DC microgrid using inductance estimation. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 120, 105992.	3.3	31
27	A coordinated planner-disaster-risk-averse-planner investment model for enhancing the resilience of integrated electric power and natural gas networks. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 119, 105948.	3.3	38
28	Integrated protection scheme for both operation modes of microgrid using S-Transform. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 121, 106051.	3.3	12
29	Day-Ahead Scheduling of Centralized Energy Storage System by Proposed Stochastic MINLP-Based Bi-Objective Optimization Approach. <i>Electric Power Components and Systems</i> , 2020, 48, 1234-1249.	1.0	5
30	New Demand Response Platform with Machine Learning and Data Analytics. , 2020, , 113-137.		1
31	Optimizing Configuration of Cyber Network Considering Graph Theory Structure and Teachingâ€“Learning-Based Optimization (GT-TLBO). <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 2083-2090.	7.2	17
32	A novel comprehensive method to enhance stability of multi-VSG grids. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 104, 502-514.	3.3	42
33	Solution of combined economic and emission dispatch problem using a novel chaotic improved harmony search algorithm. <i>Journal of Computational Design and Engineering</i> , 2019, 6, 447-467.	1.5	62
34	Accurate fault location and faulted section determination based on deep learning for a parallelâ€“compensated threeâ€“terminal transmission line. <i>IET Generation, Transmission and Distribution</i> , 2019, 13, 2770-2778.	1.4	35
35	Incipient Faults Monitoring in Underground Medium Voltage Cables of Distribution Systems Based on a Two-Step Strategy. <i>IEEE Transactions on Power Delivery</i> , 2019, 34, 1647-1655.	2.9	25
36	A fractal-based stepped downward leader model including branched channel charge distribution and branch fading. <i>Electric Power Systems Research</i> , 2019, 176, 105940.	2.1	11

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37	A novel hybrid method based on teachingâ€“learning algorithm and leader progression model for evaluating the lightning performance of launch sites and experimental tests. <i>Electrical Engineering</i> , 2019, 101, 619-633.	1.2	2
38	Wind turbine and ultra-capacitor harvested energy increasing in microgrid using wind speed forecasting. <i>Engineering Science and Technology, an International Journal</i> , 2019, 22, 1161-1167.	2.0	12
39	A New Method to Reduce Harmonic Magnitude Based on Simultaneous Determination of Maximum Voltage and Current Harmonic Contribution in Interconnected Networks. <i>Electric Power Components and Systems</i> , 2019, 47, 743-755.	1.0	0
40	Estimation of power transformer remaining life from activation energy and pre-exponential factor in the Arrhenius equation. <i>Cellulose</i> , 2019, 26, 9709-9720.	2.4	11
41	A hybrid SVM-TT transform-based method for fault location in hybrid transmission lines with underground cables. <i>Electric Power Systems Research</i> , 2019, 170, 205-214.	2.1	57
42	Quality Confirmation Tests for Power Transformer Insulation Systems. , 2019, , .		8
43	An intelligent-reduced time method to analyze lightning performance of communication towers and validation using experimental tests. <i>Electric Power Systems Research</i> , 2019, 173, 143-152.	2.1	9
44	Other Tests. , 2019, , 75-104.		0
45	Analysis of the Behavior of the Grid-Connected Flywheel in Presence of Different Faults. , 2019, , .		1
46	Estimation of HVDC transmission lines shielding failure using LPM method and an adapted SLIM model. <i>IET Science, Measurement and Technology</i> , 2019, 13, 1345-1351.	0.9	4
47	A Method for Harmonic Power Tracing by Using Upstream and Downstream Distribution Matrices. <i>Electric Power Components and Systems</i> , 2019, 47, 1169-1179.	1.0	0
48	Improved hyper-spherical search algorithm for voltage total harmonic distortion minimization in 27-level inverter. <i>Journal of Central South University</i> , 2019, 26, 2822-2832.	1.2	3
49	A comparative review of different transformer modelling methods in TRV studies in case of transformer limited faults. <i>Engineering Science and Technology, an International Journal</i> , 2019, 22, 600-609.	2.0	1
50	A probabilistic approach for optimal power cable ampacity computation by considering uncertainty of parameters and economic constraints. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 106, 432-443.	3.3	27
51	Theoretical and experimental modeling of EHD conduction in porous conductive material inside a tube. <i>Journal of Electrostatics</i> , 2019, 97, 15-25.	1.0	10
52	A novel multi-objective optimization algorithm based on Lightning Attachment Procedure Optimization algorithm. <i>Applied Soft Computing Journal</i> , 2019, 75, 404-427.	4.1	37
53	Chemical Indicators. , 2019, , 37-64.		0
54	On the network economic, technical and reliability characteristics improvement through demandâ€“response implementation considering consumersâ€™ behaviour. <i>IET Generation, Transmission and Distribution</i> , 2018, 12, 431-440.	1.4	23

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55	Multi objective self adaptive optimization method to maximize ampacity and minimize cost of underground cables. Journal of Computational Design and Engineering, 2018, 5, 401-408.	1.5	11
56	Fractal-based lightning model for shielding failure rate calculation of transmission lines. IET Science, Measurement and Technology, 2018, 12, 719-725.	0.9	12
57	Analyses of launch sites lightning protection systems by 3D numerical modelling and experimental tests. IET Science, Measurement and Technology, 2018, 12, 958-964.	0.9	5
58	Supercapacitor Capacitance Reduction by Modified Active Control in Hybrid DC/AC Microgrids. , 2018, , .		0
59	Enhanced Energy Management System of Hybrid DC Microgrids with Pulsed Power Load. , 2018, , .		0
60	A new evolutionary-analytical two-step optimization method for optimal wind turbine allocation considering maximum capacity. Journal of Renewable and Sustainable Energy, 2018, 10, .	0.8	7
61	Evaluating smart grid reliability based on impacts of cyber (control, monitoring and protection) network and its different topologies. International Journal of Systems Assurance Engineering and Management, 2018, 9, 1047-1056.	1.5	3
62	Improved electro-geometric model for shielding failure analysis of transmission lines. IET Science, Measurement and Technology, 2018, 12, 542-547.	0.9	6
63	Investigation of Sinusoidal Phase Voltage Effect on SFR Calculation of HVAC Transmission Lines. Indian Journal of Science and Technology, 2018, 11, 1-22.	0.5	1
64	Fault location on a series-compensated three-terminal transmission line using deep neural networks. IET Science, Measurement and Technology, 2018, 12, 746-754.	0.9	39
65	Evaluation and Control of Stray Current in DC-Electrified Railway Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 974-980.	3.9	102
66	CO ₂ /CO concentration ratio: A complementary method for determining the degree of polymerization of power transformer paper insulation. IEEE Electrical Insulation Magazine, 2017, 33, 24-30.	1.1	37
67	An effective approach for optimal placement of non-dispatchable renewable distributed generation. Journal of Renewable and Sustainable Energy, 2017, 9, 015303.	0.8	6
68	A novel physical based meta-heuristic optimization method known as Lightning Attachment Procedure Optimization. Applied Soft Computing Journal, 2017, 59, 596-621.	4.1	152
69	A probabilistic method for cost minimization in a day-ahead electricity market considering wind power uncertainties. Journal of Renewable and Sustainable Energy, 2017, 9, .	0.8	8
70	Reconfiguration of Smart Distribution Network in the Presence of Renewable DG TM s Using GWO Algorithm. IOP Conference Series: Earth and Environmental Science, 2017, 83, 012003.	0.2	7
71	Optimal Allocation and Operating Point of DG Units in Radial Distribution Network Considering Load Pattern. Electric Power Components and Systems, 2017, 45, 1287-1297.	1.0	7
72	Mathematical Modeling of Phase-Controlled Converters Considering Discontinuous Conduction Modes. Electric Power Components and Systems, 2017, 45, 1315-1328.	1.0	0

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73	An application of grey wolf optimizer for optimal power flow of wind integrated power systems. , 2017, , .		13
74	LPM-Based Shielding Performance Analysis of High-Voltage Substations Against Direct Lightning Strokes. IEEE Transactions on Power Delivery, 2017, 32, 2218-2227.	2.9	21
75	Wind farms participation in electricity markets considering uncertainties. Renewable Energy, 2017, 101, 907-918.	4.3	17
76	Fault Current Limiter Placement Using Multi-Objective Firework Algorithm. Electric Power Components and Systems, 2017, 45, 1929-1940.	1.0	6
77	Impact of Optimal Unified Power Flow Controller in Electrical Transmission Systems in Reducing Transmission Cost. Electric Power Components and Systems, 2017, 45, 1762-1772.	1.0	7
78	Intelligent control of power sharing between parallel-connected boost converters in micro-grids. Journal of Renewable and Sustainable Energy, 2017, 9, 065504.	0.8	3
79	An Application of Fractal-Based Lightning for SFR Calculation of High Voltage Substations. Indian Journal of Science and Technology, 2017, 10, 1-12.	0.5	1
80	Time-time matrix z-score vector-based fault analysis method for series-compensated transmission lines. Turkish Journal of Electrical Engineering and Computer Sciences, 2017, 25, 2647-2659.	0.9	15
81	Considering variations of network topology in optimal relay coordination using time-current-voltage characteristic. , 2017, , .		13
82	Electric arc furnace power quality improvement by applying a new digital and predicted-based TSC control. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 3724-3740.	0.9	2
83	Optimal dispatchable DG allocation in a distribution network considering load growth with a mixed-PSO algorithm. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 3049-3065.	0.9	14
84	Risk management of smart grids based on plug-in hybrid electric vehicles' charging considering transformers' hottest spot temperature-dependent aging failures. Journal of Renewable and Sustainable Energy, 2016, 8, 034102.	0.8	8
85	Optimal sizing and siting of DGs for loss reduction using an iterative-analytical method. Journal of Renewable and Sustainable Energy, 2016, 8, .	0.8	25
86	Wind turbine power output smoothing in microgrid using ultra-capacitor with continuous wind speed forecasting and online supervisory control. Journal of Renewable and Sustainable Energy, 2016, 8, 033301.	0.8	4
87	A Novel Optimized Fuzzy Approach Based on Monte Carlo Method for System Load, Wind Turbine and Photovoltaic Unit Uncertainty Modeling in Unit Commitment. Electric Power Components and Systems, 2016, 44, 833-842.	1.0	8
88	Optimal scheduling of dispatchable distributed generation in smart environment with the aim of energy loss minimization. Energy, 2016, 116, 190-201.	4.5	19
89	Optimal Multi-objective Number, Locating, and Sizing of Distributed Generations and Distributed Static Compensators Considering Loadability using the Genetic Algorithm. Electric Power Components and Systems, 2016, 44, 2161-2171.	1.0	15
90	Techno-economic lifetime assessment of power transformers rated over 50MVA using artificial intelligence models. IET Generation, Transmission and Distribution, 2016, 10, 3885-3892.	1.4	8

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91	Health index calculation for power transformers using technical and economical parameters. IET Science, Measurement and Technology, 2016, 10, 823-830.	0.9	43
92	Simultaneous Distributed Generation Placement, Capacitor Placement, and Reconfiguration using a Modified Teaching-Learning-based Optimization Algorithm. Electric Power Components and Systems, 2016, 44, 1631-1644.	1.0	23
93	A New Dynamic Intelligent Time Domain Arc Furnace Modeling based on Combination Adaptive Neuro-fuzzy Inference System and Chain Code. Electric Power Components and Systems, 2016, 44, 1261-1275.	1.0	3
94	Computation of Self-impedance and Mutual Impedance of Transformer Winding Considering the Frequency-dependent Losses of the Iron Core. Electric Power Components and Systems, 2016, 44, 1236-1247.	1.0	3
95	An Adaptive Approach for Simulation of Inrush Current in Three-phase Transformers Considering Hysteresis Effects. Electric Power Components and Systems, 2016, 44, 673-682.	1.0	3
96	A two step optimization algorithm for wind turbine generator placement considering maximum allowable capacity. Renewable Energy, 2016, 92, 75-82.	4.3	21
97	Optimal placement of underground cables to maximise total ampacity considering cable lifetime. IET Generation, Transmission and Distribution, 2016, 10, 263-269.	1.4	24
98	ADALINE (ADaptive Linear NEuron)-based coordinated control for wind power fluctuations smoothing with reduced BESS (battery energy storage system) capacity. Energy, 2016, 101, 1-8.	4.5	30
99	Price restricted optimal bidding model using derated sensitivity factors by considering risk concept. IET Generation, Transmission and Distribution, 2016, 10, 310-324.	1.4	14
100	Double-Deck Buck-Boost Converter With Soft Switching Operation. IEEE Transactions on Power Electronics, 2016, 31, 4324-4330.	5.4	39
101	A significant reduction in the costs of battery energy storage systems by use of smart parking lots in the power fluctuation smoothing process of the wind farms. Renewable Energy, 2016, 87, 1-14.	4.3	39
102	Application of a parallel-resonance-type FCL for maintaining the recloser-fuse coordination in a power distribution system with a dispersed generation. , 2015, , .		1
103	A seven-state Markov model for determining the optimal operating mode of distributed generators. Journal of Renewable and Sustainable Energy, 2015, 7, 033114.	0.8	2
104	Feasibility analysis and optimal planning of renewable energy systems for industrial loads of a dairy factory in Tehran, Iran. Journal of Renewable and Sustainable Energy, 2015, 7, .	0.8	12
105	Analysis and design of an interleaved current-fed high step-up quasi-resonant DC-DC converter for fuel cell applications. Turkish Journal of Electrical Engineering and Computer Sciences, 2015, 23, 2182-2196.	0.9	4
106	Reliability evaluation of distribution transformers with high penetration of distributed generation. International Journal of Electrical Power and Energy Systems, 2015, 73, 163-169.	3.3	23
107	Fault ride-through capability improvement of doubly fed induction generator-based wind turbine using static volt ampere reactive compensator. Journal of Renewable and Sustainable Energy, 2015, 7, 023134.	0.8	6
108	Development of optimal shunt hybrid compensator based on improving the measurement of various signals. Measurement: Journal of the International Measurement Confederation, 2015, 69, 250-263.	2.5	7

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109	Improved fault location algorithm for radial distribution systems with discrete and continuous wavelet analysis. <i>International Journal of Electrical Power and Energy Systems</i> , 2015, 67, 423-430.	3.3	71
110	A new optimal approach for improvement of active power filter using FPSO for enhancing power quality. <i>International Journal of Electrical Power and Energy Systems</i> , 2015, 69, 188-199.	3.3	19
111	Simple nonlinear MEC-based model for sensitivity analysis and genetic optimization of permanent-magnet. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2015, 34, 301-323.	0.5	2
112	Superior decoupled control of active and reactive power for three-phase voltage source converters. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2015, 23, 1025-1039.	0.9	9
113	Islanding Detection in Unbalanced Distribution Systems with Doubly Fed Induction Generator Based Distributed Generation Using Wavelet Transform. <i>Electric Power Components and Systems</i> , 2015, 43, 866-878.	1.0	8
114	Sensitivity Analysis on Ladder Network Equivalent Circuit Parameters of Power Transformer. <i>Electric Power Components and Systems</i> , 2015, 43, 2168-2177.	1.0	3
115	New Equivalent Circuit of Transformer Winding for the Calculation of Resonance Transients Considering Frequency-Dependent Losses. <i>IEEE Transactions on Power Delivery</i> , 2015, 30, 1743-1751.	2.9	16
116	Two-level decision-making model for a distribution company in day-ahead market. <i>IET Generation, Transmission and Distribution</i> , 2015, 9, 1308-1315.	1.4	27
117	A Predictive Reactive Power Measuring Based on Time Series and DLSL Algorithm for Compensating Applications. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2015, 64, 2646-2656.	2.4	9
118	Social welfare maximization in AC-DC power systems based on evolutionary algorithms: a new merit of HVDC links. <i>International Transactions on Electrical Energy Systems</i> , 2015, 25, 2203-2224.	1.2	2
119	Grid reconnection detection for synchronous distributed generators in stand-alone operation. <i>International Transactions on Electrical Energy Systems</i> , 2015, 25, 138-154.	1.2	4
120	Development of a thermal and electrical energy management in residential building micro-grid. <i>Journal of Renewable and Sustainable Energy</i> , 2014, 6, 013126.	0.8	6
121	A Novel Delay-less Control of Unified Power Quality Conditioner to Enhance Power Quality in Power System. <i>Electric Power Components and Systems</i> , 2014, 42, 1776-1791.	1.0	0
122	Computation of the inductance matrix of axisymmetric windings for very fast transients studies in transformers. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2014, 33, 2082-2100.	0.5	1
123	A novel and fast voltage estimation scheme for assessment of power system component outages. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2014, 33, 1296-1328.	0.5	4
124	Shuffled Frog-Leaping Algorithm for Control of Selective and Total Harmonic Distortion. <i>Journal of Applied Research and Technology</i> , 2014, 12, 111-121.	0.6	8
125	Harmonic Distorted Load Control in a Microgrid. <i>Journal of Applied Research and Technology</i> , 2014, 12, 792-802.	0.6	5
126	Shuffled frog leaping algorithm optimization for AC-DC optimal power flow dispatch. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2014, 22, 874-892.	0.9	11

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127	Calculation of inrush current using adopted parameters of the hysteresis loop. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2014, 33, 1794-1808.	0.5	1
128	Power system lightning transient simulation on OrCAD with corona effect consideration for educational purposes. Computer Applications in Engineering Education, 2014, 22, 266-271.	2.2	0
129	A survey on energy storage resources configurations in order to propose an optimum configuration for smoothing fluctuations of future large wind power plants. Renewable and Sustainable Energy Reviews, 2014, 29, 158-172.	8.2	35
130	A modified methodology in electricity tracing problems based on Bialek's method. International Journal of Electrical Power and Energy Systems, 2014, 60, 74-81.	3.3	13
131	Installing distributed generation units and capacitors simultaneously in a distribution system considering economic issues. Journal of Renewable and Sustainable Energy, 2014, 6, 023122.	0.8	10
132	Mitigation of windfarm power fluctuation by adaptive linear neuron-based power tracking method with flexible learning rate. IET Renewable Power Generation, 2014, 8, 659-669.	1.7	17
133	Time-frequency transform application to fault diagnosis of power transformers. IET Generation, Transmission and Distribution, 2014, 8, 1156-1167.	1.4	28
134	Optimal output power of not properly designed wind farms, considering wake effects. International Journal of Electrical Power and Energy Systems, 2014, 63, 44-50.	3.3	36
135	Simultaneous distributed generation and capacitor placement and sizing in radial distribution system considering reactive power market. Journal of Renewable and Sustainable Energy, 2014, 6, .	0.8	14
136	Optimal configuration of underground cables to maximise total ampacity considering current harmonics. IET Generation, Transmission and Distribution, 2014, 8, 1090-1097.	1.4	22
137	A neural network based saturation model for dynamic modeling of synchronous machines. , 2014, , .		1
138	Enhancement of Power System Dynamic Stability by Designing a New Model of the Power System. Journal of Electrical Engineering and Technology, 2014, 9, 379-389.	1.2	1
139	Teaching short circuit breaking test on high-voltage circuit breakers to undergraduate students by using MATLAB-SIMULINK. Computer Applications in Engineering Education, 2013, 21, 459-466.	2.2	8
140	MATLAB-SIMULINK-based simulation for digital differential relay protection of power transformer for educational purpose. Computer Applications in Engineering Education, 2013, 21, 475-483.	2.2	10
141	Improvement of low frequency oscillation damping by allocation and design of power system stabilizers in the multi-machine power system. International Journal of Electrical Power and Energy Systems, 2013, 52, 207-220.	3.3	30
142	A Hybrid Superconducting Fault Current Controller for DG Networks and Microgrids. IEEE Transactions on Applied Superconductivity, 2013, 23, 5604306-5604306.	1.1	20
143	Insulation failure detection in transformer winding using cross-correlation technique with ANN and k-NN regression method during impulse test. International Journal of Electrical Power and Energy Systems, 2013, 53, 209-218.	3.3	21
144	Independent distributed generation planning to profit both utility and DG investors. IEEE Transactions on Power Systems, 2013, 28, 1170-1178.	4.6	73

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145	Rotational Invariance Technique for Evaluation of Perturbed Lightning Impulses. IEEE Transactions on Power Delivery, 2013, 28, 531-533.	2.9	3
146	Small-compressed air energy storage system integrated with induction generator for metropolises: A case study. Renewable and Sustainable Energy Reviews, 2013, 21, 365-370.	8.2	11
147	The Impact of Solid State Fault Current Limiter on Power Network With Wind-Turbine Power Generation. IEEE Transactions on Smart Grid, 2013, 4, 1188-1196.	6.2	97
148	Duality-Synthesized Circuit for Eddy Current Effects in Transformer Windings. IEEE Transactions on Power Delivery, 2013, 28, 1063-1072.	2.9	18
149	Power quality disturbance classification using a statistical and wavelet-based Hidden Markov Model with Dempster's Shafer algorithm. International Journal of Electrical Power and Energy Systems, 2013, 47, 368-377.	3.3	70
150	Optimized Placement of Connecting the Distributed Generationswork Stand Alone to Improve the Distribution Systems Reliability. Journal of Electrical Engineering, 2013, 64, 76-83.	0.4	1
151	Optimal Surge Arrester Parameter Estimation Using a PSO-Based Multiobjective Approach. IEEE Transactions on Power Delivery, 2013, 28, 1758-1769.	2.9	18
152	Time domain single-phase reclosure scheme for transmission lines based on dual-Gaussian mixture models. Engineering Applications of Artificial Intelligence, 2013, 26, 625-632.	4.3	9
153	A robust PID controller based on imperialist competitive algorithm for load-frequency control of power systems. ISA Transactions, 2013, 52, 88-95.	3.1	283
154	Current Transformer Saturation Detection Using Gaussian Mixture Models. Journal of Applied Research and Technology, 2013, 11, 79-87.	0.6	9
155	Optimum design of high voltage bushings by rational Bézier curves. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2012, 31, 1901-1916.	0.5	1
156	Using the Instantaneous Power Theory in order to control the current in the parallel active filter to compensate reactive power and reduction of harmonics. , 2012, , .		5
157	Modelling of inrush current in transformers using inverse Jiles' Atherton hysteresis model with a Neuro-shuffled frog-leaping algorithm approach. IET Electric Power Applications, 2012, 6, 727.	1.1	28
158	Parameter identification of Jiles' Atherton model using SFLA. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2012, 31, 1293-1309.	0.5	37
159	Automatic local state detection for synchronous distributed generators. , 2012, , .		0
160	New Methods for Computation of the Inductance Matrix of Transformer Windings for Very Fast Transients Studies. IEEE Transactions on Power Delivery, 2012, 27, 2326-2333.	2.9	18
161	A New Stochastic Model of Electric Arc Furnace Based on Hidden Markov Model: A Study of Its Effects on the Power System. IEEE Transactions on Power Delivery, 2012, 27, 1893-1901.	2.9	54
162	Reconfiguration and Capacitor Placement Simultaneously for Energy Loss Reduction Based on an Improved Reconfiguration Method. IEEE Transactions on Power Systems, 2012, 27, 587-595.	4.6	133

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163	A Solution to the Unit Commitment Problem Using Imperialistic Competition Algorithm. IEEE Transactions on Power Systems, 2012, 27, 117-124.	4.6	103
164	Active distribution networks islanding issues: An introduction. , 2012, , .		13
165	Employing TCPS for suppressing oscillations in two-area system constitute of wind farm and thermal system. IEEJ Transactions on Electrical and Electronic Engineering, 2012, 7, 130-135.	0.8	3
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