Art Bretas

List of Publications by Year
in descending order

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217	2,817	230014	274796
papers	citations	27	44
		h-index	g-index

217	217	217	1948
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Notice of Removal: Optimal Location of Substation Metallic Fences to Protect the Nearby Public Walking Through Numerical Evaluation. IEEE Transactions on Power Delivery, 2024, , 1-1.	2.9	0
2	A multi-agent approach to distribution system fault section estimation in smart grid environment. Electric Power Systems Research, 2022, 204, 107658.	2.1	9
3	Crossâ€layered distributed dataâ€driven framework for enhanced smart grid cyberâ€physical security. IET Smart Grid, 2022, 5, 398-416.	1.5	6
4	Prediction of Power Measurements Using Adaptive Filters. , 2022, , .		0
5	Implementation Aspects of Smart Grids Cyber-Security Cross-Layered Framework for Critical Infrastructure Operation. Applied Sciences (Switzerland), 2022, 12, 6868.	1.3	7
6	Real-time operation of power systems. , 2021, , 9-29.		0
7	State estimation in electric power systems. , 2021, , 1-8.		0
8	Qualitative characteristics of measurement sets. , 2021, , 101-160.		0
9	Soft Control: A Novel Application of Internet of Things for Demand Side Management. , 2021, , .		0
10	A Reliability-based Optimization Model for Lightning Protection System Design of Distribution Networks. , 2021, , .		0
11	State Estimator and Machine Learning Analysis of Residual Differences to Detect and Identify FDI and Parameter Errors in Smart Grids. , 2021, , .		6
12	Smart Grids Volt-VAR Frequency Control: A Smart Building Distributed Model Predictive Control Based Approach. , 2021, , .		0
13	Multi-Area State Estimation: A Distributed Quasi-Static Innovation-Based Model with an Alternative Direction Method of Multipliers. Applied Sciences (Switzerland), 2021, 11, 4419.	1.3	1
14	Distributed nonlinear state estimation using adaptive penalty parameters with load characteristics in the Electricity Reliability Council of Texas. Journal of Industrial Information Integration, 2021, 24, 100223.	4.3	3
15	Microgrids physics model-based fault location formulation: Analytic-based distributed energy resources effect compensation. Electric Power Systems Research, 2021, 195, 107178.	2.1	12
16	A Bi-Level Model for Detecting and Correcting Parameter Cyber-Attacks in Power System State Estimation. Applied Sciences (Switzerland), 2021, 11, 6540.	1.3	9
17	A Network Parameter Database False Data Injection Correction Physics-Based Model: A Machine Learning Synthetic Measurement-Based Approach. Applied Sciences (Switzerland), 2021, 11, 8074.	1.3	4
18	A power transformer differential protection based on support vector machine and wavelet transform. Electric Power Systems Research, 2021, 197, 107297.	2.1	16

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19	Non-intrusive load monitoring using artificial intelligence classifiers: Performance analysis of machine learning techniques. Electric Power Systems Research, 2021, 198, 107347.	2.1	16
20	Micro grids decentralized hybrid data-driven cuckoo search based adaptive protection model. International Journal of Electrical Power and Energy Systems, 2021, 130, 106960.	3.3	11
21	Data-driven state estimation in electric power systems. , 2021, , 259-277.		0
22	Power flow in electrical systems. , 2021, , 31-60.		0
23	The innovation methodology for error analysis in power systems. , 2021, , 183-210.		0
24	Dynamic state estimation in electric power systems. , 2021, , 211-257.		0
25	Classical static state estimation in electric power systems. , 2021, , 61-100.		0
26	Gross error processing in measurements. , 2021, , 161-182.		0
27	Suppression on Particle Movement and Discharge by Nanocomposite Film Coating on DC GIL Electrode Surface. IEEE Access, 2021, 9, 126095-126103.	2.6	3
28	Î¼PMU-Based Temporal Decoupling of Parameter and Measurement Gross Error Processing in DSSE. Electricity, 2021, 2, 423-438.	1.4	4
29	Hybrid Physics-Based Adaptive Kalman Filter State Estimation Framework. Energies, 2021, 14, 6787.	1.6	4
30	Smart FDI Attack Design and Detection with Data Transmutation Framework for Smart Grids. , 2021, , .		1
31	WAMs Based Eigenvalue Space Model for High Impedance Fault Detection. Applied Sciences (Switzerland), 2021, 11, 12148.	1.3	6
32	Renewable and energy storage resources for enhancing transient stability margins: A PDE-based nonlinear control strategy. International Journal of Electrical Power and Energy Systems, 2020, 116, 105510.	3.3	15
33	Schedule Optimization in a Smart Microgrid Considering Demand Response Constraints. Energies, 2020, 13, 4567.	1.6	10
34	Quadratically Constrained Quadratic Programming Formulation of Contingency Constrained Optimal Power Flow with Photovoltaic Generation. Energies, 2020, 13, 3310.	1.6	6
35	Demand Side Management Strategy for Distribution Networks Volt/Var Control: A FCS-Model Predictive Control Approach. Journal of Control, Automation and Electrical Systems, 2020, 31, 1499-1507.	1.2	3
36	Physics-based analytical model for high impedance fault location in distribution networks. Electric Power Systems Research, 2020, 188, 106577.	2.1	15

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37	A Transmission Line Modeling (TLM) Algorithm to Evaluate Grounding Grids Including Soil Ionization. , 2020, , .		1
38	Hybrid dataâ€driven physics modelâ€based framework for enhanced cyberâ€physical smart grid security. IET Smart Grid, 2020, 3, 445-453.	1.5	23
39	Marginal Uncertainty Cost Functions for Solar Photovoltaic, Wind Energy, Hydro Generators, and Plug-In Electric Vehicles. Energies, 2020, 13, 6375.	1.6	7
40	Numerical Formulation to Evaluate the Coupling by the Soil Among Multiple Grounding Electrodes: A High-Voltage Substations Application. IEEE Transactions on Industry Applications, 2020, 56, 2375-2381.	3.3	6
41	Electric distribution network reconfiguration optimized for PV distributed generation and energy storage. Electric Power Systems Research, 2020, 184, 106319.	2.1	27
42	Smart grids cyber-physical security: Parameter correction model against unbalanced false data injection attacks. Electric Power Systems Research, 2020, 187, 106490.	2.1	29
43	Multi-objective MILP model for PMU allocation considering enhanced gross error detection: A weighted goal programming framework. Electric Power Systems Research, 2020, 182, 106235.	2.1	15
44	Substation Grounding Grid Diagnosis Applying Optimization Techniques Based on Measurements and Field Tests. IEEE Transactions on Industry Applications, 2020, 56, 1190-1196.	3.3	9
45	Distribution networks nontechnical power loss estimation: A hybrid data-driven physics model-based framework. Electric Power Systems Research, 2020, 186, 106397.	2.1	16
46	Ensemble CorrDet with adaptive statistics for bad data detection. IET Smart Grid, 2020, 3, 572-580.	1.5	17
47	An Optimization Model for Distribution Networks Lightning Protection System Design: a Reliability Indexes and Cost-based Solution. , 2020, , .		0
48	Further contributions to smart grids cyber-physical security as a malicious data attack: Proof and properties of the parameter error spreading out to the measurements and a relaxed correction model. International Journal of Electrical Power and Energy Systems, 2019, 104, 43-51.	3.3	36
49	Substation Grounding Grid Diagnosis Applying Optimization Techniques Based on Measurements and Field Tests. , 2019, , .		1
50	A simplified physical model of negative leader in long sparks. Electric Power Systems Research, 2019, 176, 105955.	2.1	5
51	NSGAII optimization for single phase passive filter allocation in distribution systems. Electric Power Systems Research, 2019, 176, 105923.	2.1	12
52	Smart Microgrids Operation Considering a Variable Neighborhood Search: The Differential Evolutionary Particle Swarm Optimization Algorithm. Energies, 2019, 12, 3149.	1.6	27
53	Curve Fitting Analysis of Expulsion Fuse Links for Protection Studies. , 2019, , .		0
54	Numerical Technique to the Evaluation of Multiple Grounding Electrodes Coupled by the Soil in High Voltage Substations. , 2019, , .		4

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55	Distributed Model-Predictive Control Strategy for Distribution Network Volt/VAR Control: A Smart-Building-Based Approach. IEEE Transactions on Industry Applications, 2019, 55, 7041-7051.	3.3	21
56	Two-dimensional Transmission Line Modeling method: An algorithm considering non-homogeneous media and ionization. Electric Power Systems Research, 2019, 173, 220-229.	2.1	6
57	Distribution systems high impedance fault location: A spectral domain model considering parametric error processing. International Journal of Electrical Power and Energy Systems, 2019, 109, 227-241.	3.3	35
58	Smart Grids Cyber-Attack Defense: A Solution Based on an Incremental Learning Support Vector Machine. , 2019, , .		0
59	Malicious data injection attacks: A relaxed physics model based strategy for real-time monitoring. , 2019, , .		1
60	Data-driven Physics-based Solution for False Data Injection Diagnosis in Smart Grids. , 2019, , .		13
61	A New Approach of Conti-Varlet Method Applied to a PV System to Size a Battery Energy Storage. , 2019, , .		3
62	Smart Grids False Data Injection Identification: a Deep Learning Approach. , 2019, , .		2
63	A Simplified Physical Model of Upward Connecting Negative Leader for the Design of LPS Against Positive Lightning. , 2019, , .		0
64	Improvement in Vulnerability and Error Analysis: A Synthetic Measurement Approach. , 2019, , .		0
65	Service Restoration in Distribution Systems based on Multi-Objective Genetic Algorithm considering repair and switching time. , 2019, , .		0
66	Analysis and evaluation of a distributed optimal load coordination algorithm for frequency control. Electric Power Systems Research, 2019, 167, 86-93.	2.1	4
67	Towards active distribution networks fault location: Contributions considering DER analytical models and local measurements. International Journal of Electrical Power and Energy Systems, 2018, 99, 454-464.	3.3	25
68	High-sensitivity stator fault protection for synchronous generators: A time-domain approach based on mathematical morphology. International Journal of Electrical Power and Energy Systems, 2018, 99, 419-425.	3.3	15
69	Lightning protection system design for distribution networks based on System Average Interruption Frequency minimization. Electric Power Systems Research, 2018, 160, 1-12.	2.1	7
70	Measurement Method for Resistive Current Components of Metal Oxide Surge Arrester in Service. IEEE Transactions on Power Delivery, 2018, 33, 2246-2253.	2.9	17
71	Multi-objective MILP model for distribution systems reliability optimization: A lightning protection system design approach. International Journal of Electrical Power and Energy Systems, 2018, 98, 256-268.	3.3	15
72	An Improved Soil Ionization Representation to Numerical Simulation of Impulsive Grounding Systems. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	12

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73	Cooperative Control of Energy Storage for Transient Stability Enhancement. , 2018, , .		3
74	Optimal PMU Allocation on Smart Grids: a MILP Model considering Minimal Current Measurements. , 2018, , .		2
75	Distribution Test System for Nontechnical Loss Detection. , 2018, , .		1
76	MILP Model for Reliability Optimization In Active Distribution Networks. , 2018, , .		2
77	A Distributed Strategy for Volt/VAR Control in Distribution Networks: A Smart Buildings Approach. , 2018, , .		4
78	A Methodology to Evaluate the Performance of Distribution Feeders Against Lightning: Fundamentals, Case Study and Computational Tool. , 2018, , .		0
79	Optimal PMU Allocation for Enhanced Gross Error Detection. , 2018, , .		2
80	Adaptive Impedance-Based Fault Location Algorithm for Active Distribution Networks. Applied Sciences (Switzerland), 2018, 8, 1563.	1.3	10
81	Parameter Error Detection and Identification in Smart Grids, Combined Strategies for Radial and Reduced Redundancy Levels. , 2018, , .		1
82	The Extension of the Gauss Approach for the Solution of an Overdetermined Set of Algebraic Non Linear Equations. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1269-1273.	2.2	26
83	Toward Resilient Smart Grid Communications Using Distributed SDN with ML-Based Anomaly Detection. Lecture Notes in Computer Science, 2018, , 83-94.	1.0	10
84	Active distribution network fault location methodology: A minimum fault reactance and Fibonacci search approach. International Journal of Electrical Power and Energy Systems, 2017, 84, 232-241.	3.3	53
85	Distribution networks HIF location: A frequency domain system model and WLS parameter estimation approach. Electric Power Systems Research, 2017, 146, 170-176.	2.1	26
86	Incipient fault location formulation: A time-domain system model and parameter estimation approach. International Journal of Electrical Power and Energy Systems, 2017, 90, 112-123.	3.3	21
87	Discussion on â€œA New Framework for Detection and Identification of Network Parameter Errorsâ€• IEEE Transactions on Smart Grid, 2017, 8, 1028-1028.	6.2	1
88	Multiple gross errors detection, identification and correction in three-phase distribution systems WLS state estimation: A per-phase measurement error approach. Electric Power Systems Research, 2017, 151, 174-185.	2.1	34
89	Smart grids cyber-physical security as a malicious data attack: An innovation approach. Electric Power Systems Research, 2017, 149, 210-219.	2.1	58
90	A Distributed Control Approach for Enhancing Smart Grid Transient Stability and Resilience. IEEE Transactions on Smart Grid, 2017, 8, 3035-3044.	6.2	91

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91	Incipient fault location method for distribution networks with underground shielded cables: A system identification approach. International Transactions on Electrical Energy Systems, 2017, 27, e2465.	1.2	10
92	A distributed approach for DG integration and power quality management in railway power systems. , 2017, , .		2
93	Cyberâ€physical robust control framework for enhancing transient stability of smart grids. IET Cyber-Physical Systems: Theory and Applications, 2017, 2, 198-206.	1.9	20
94	Contribution to distribution systems technical and nontechnical losses estimation using WLS state estimator. , 2017, , .		3
95	Ground distance relaying with remote end infeed compensation. , 2017, , .		0
96	A robust decentralized control framework for enhancing smart grid transient stability. , 2017, , .		3
97	A local state vector augmentation technique for processing network parameters errors. , 2017, , .		2
98	Voltage regulators allocation in power distribution networks: A tabu search approach. , 2017, , .		2
99	Performance assessment of an optimal load control algorithm for providing contingency service. , 2017, , .		1
100	Identifying Nontechnical Power Loss via Spatial and Temporal Deep Learning. , 2016, , .		58
101	Comparative performance of impulsive grounding systems embedded in concrete: An experiment in reduced scale. , 2016, , .		5
102	Fault location in Distribution Network with Inverter-Interfaced Distributed Energy Resources in limiting current. , 2016, , .		5
103	A hybrid method to represent the soil ionization phenomenon in impulsive grounding systems. , 2016, , .		3
104	Extended TLM-2D numerical technique: An algorithm considering non-homogenous media and ionization. , 2016, , .		1
105	Adaptive Mho relay for synchronous generator lossâ€ofâ€excitation protection: a capability curve limitâ€based approach. IET Generation, Transmission and Distribution, 2016, 10, 3449-3457.	1.4	39
106	Extended impedance-based fault location formulation for active distribution systems. , 2016, , .		7
107	Smart distribution power losses estimation: A hybrid state estimation approach. , 2016, , .		7
108	Impulsive grounding systems embedded in concrete: Theoretical and practical experiments. , 2016, , .		0

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109	Novel Formulation to Determine the Potential on the Soil Surface Generated by a Lightning Surge. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	8
110	Ultra high speed deterministic algorithm for transmission lines disturbance identification based on principal component analysis and Euclidean norm. International Journal of Electrical Power and Energy Systems, 2016, 80, 312-324.	3.3	11
111	Arc fault location: A nonlinear time varying fault model and frequency domain parameter estimation approach. International Journal of Electrical Power and Energy Systems, 2016, 80, 347-355.	3.3	27
112	Distribution Systems High-Impedance Fault Location: A Parameter Estimation Approach. IEEE Transactions on Power Delivery, 2016, 31, 1806-1814.	2.9	81
113	Electromagnetic fields in distribution feeders and electrical substations analysis: A study case in Ecuador. , 2015, , .		2
114	Adaptive ground distance protection for UPFC compensated transmission lines: A formulation considering the fault resistance effect. International Journal of Electrical Power and Energy Systems, 2015, 73, 124-131.	3.3	9
115	Analytical goal programming model for optimal restoration of distribution systems. , 2015, , .		0
116	Multi-objective optimization model for distribution systems restoration. , 2015, , .		2
117	Nontechnical Losses detection: A Discrete Cosine Transform and Optimum-Path Forest based approach. , 2015, , .		5
118	A two steps procedure in state estimation gross error detection, identification, and correction. International Journal of Electrical Power and Energy Systems, 2015, 73, 484-490.	3.3	52
119	Methodology for Calculation and Management for Indicators of Power Quality Energy. IEEE Latin America Transactions, 2015, 13, 2217-2224.	1.2	11
120	Multiobjective MILP model for optimal allocation of automated switching devices in electric power distribution systems. , 2015, , .		5
121	Bad data analysis in distribution state estimation considering load models. , 2015, , .		9
122	Non-technical losses identification using Optimum-Path Forest and state estimation. , 2015, , .		15
123	EMC philosophy applied to design the grounding systems for gas insulation switchgear (GIS) indoor substation. , 2015, , .		2
124	Comparison between Principal Component Analysis and Wavelet Transform â€˜Filtering Methods for Lightning Stroke Classification on Transmission Lines. Electric Power Systems Research, 2015, 118, 37-46.	2.1	8
125	Optimal location and sizing of distributed generation based on power losses and voltage deviation. , 2014, , .		6
126	Novel methodology for analysis and study of distribution feeder performance against lightning disturbances. , 2014, , .		0

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127	Sensitivity Assessment of Lightning-Induced Surges in Distribution Feeders Using ATP. , 2014, , .		1
128	Improvement of a coal power plant performance through auxiliary services power demand reduction. , 2014, , .		1
129	The need for standardization of human tolerability levels for lightning currents and voltages. , 2014, , .		2
130	Convergence property of the measurement gross error correction in power system state estimation, using geometrical background. , 2014, , .		2
131	Combined TACS-MODELS for Footing Tower Resistance considering ground ionization. , 2014, , .		2
132	Initial results from a prototype corresponding to an induction water heater. , 2014, , .		1
133	Harmonic distortion in the auxiliary services of a thermoelectric power plant. , 2014, , .		0
134	Inverter-based DG impact on impedance-based fault location algorithms. , 2014, , .		2
135	Efficiency of rural distribution feeders against lightning: A case study. , 2014, , .		3
136	An integrated technique for fault location and section identification in distribution systems. Electric Power Systems Research, 2014, 115, 65-73.	2.1	63
137	The Transmission Line Modeling Method to Represent the Soil Ionization Phenomenon in Grounding Systems. IEEE Transactions on Magnetics, 2014, 50, 505-508.	1.2	33
138	Adaptive differential protection of three-phase power transformers based on transient signal analysis. International Journal of Electrical Power and Energy Systems, 2014, 57, 366-374.	3.3	25
139	Specifying BPMN diagrams with Timed Automata: Proposal of some mapping rules. , 2014, , .		2
140	Optimal siting and sizing of distributed generation through power losses and voltage deviation. , 2014, , .		14
141	High impedance fault location formulation: a least square estimator based approach. , 2014, , .		2
142	A study of human safety against lightning considering the grounding system and the evaluation of the associated parameters. Electric Power Systems Research, 2014, 113, 88-94.	2.1	10
143	A Geometrical View for Multiple Gross Errors Detection, Identification, and Correction in Power System State Estimation. IEEE Transactions on Power Systems, 2013, 28, 2128-2135.	4.6	58
144	Synchronization method for synchronous generator based on UPFC. , 2013, , .		1

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145	Characteristic frequency of travelling waves applied for transmission lines fault location estimation. , 2013, , .		4
146	Convergence Property of the Measurement Gross Error Correction in Power System State Estimation, Using Geometrical Background. IEEE Transactions on Power Systems, 2013, 28, 3729-3736.	4.6	36
147	Comparison between PCA and WT filtering methods for lightning stroke classification on transmission lines: Lightning stroke classification for protection relay. , 2013, , .		2
148	Electrical power systems fault location with one-terminal data using estimated remote source impedance. , 2013, , .		10
149	Improved distribution feeder topology against lightning. , 2013, , .		7
150	Effect of shielding and grounding on lightning performance of 23kV distribution feeders. , 2013, , .		3
151	Phase distance relaying for transmission systems. , 2013, , .		0
152	Load models effects on distribution system losses estimation: A numerical study. , 2013, , .		3
153	Three-phase line impedance and load level effects on fault currents. , 2013, , .		1
154	A hybrid impedance and transient based analysis technique for fault location in distribution networks. , 2013, , .		6
155	A new approach for non-linear equations solution with the possibility of gross error presence. , 2013, , .		0
156	Continuous-wavelet transform fault location algorithm inferred from faulty signal. , 2012, , .		0
157	Active power control of hydro-electric power unit auxiliary synchronous generator connected to distribution systems. , 2012, , .		4
158	Impacts of excitation control modes of distributed generators on distribution systems transient stability: A case study. , 2012, , .		3
159	Analysis of single-ended traveling-wave fault location based on continuous wavelet transform inferred from signal. , 2012, , .		2
160	Adaptive differential protection for power transformer based on transient signal analysis. , 2012, , .		10
161	Park's transformation analitycal approach of transient signal analysis for power systems. , 2012, , .		10
162	Effective length study of grounding electrod reached by lightning based on Transmission Line modelling Method. , 2012, , .		1

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163	Active power regulation of auxiliary generation units in hydroelectric power plants using power electronic switching. , 2012, , .		4
164	A supervisory system for real-time oscillography of synchronous generators. , 2012, , .		1
165	Contribution to the study of human safety against lightning considering the grounding system influence and the variations of the associated parameters. , 2012, , .		1
166	Impedance-based fault location for overhead and underground distribution systems. , 2012, , .		10
167	A unified impedance-based fault location method for generalized distribution systems. , 2012, , .		19
168	A new method to minimize harmonic components of PWM signals based on lagrange multipliers. , 2012, , .		0
169	A nonlinear binary programming model for electric distribution systems reliability optimization. International Journal of Electrical Power and Energy Systems, 2012, 43, 384-392.	3.3	33
170	Analysis of distribution lines performance against lightning using ATP-EMTP. , 2012, , .		12
171	Improvement of an overhead distribution feeder performance against lightning considering the wire-guard protection. , 2012, , .		8
172	HYBRID FAULT DIAGNOSIS FORMULATION FOR UNBALANCED UNDERGROUND DISTRIBUTION FEEDERS. International Journal of Power and Energy Systems, 2012, 32, .	0.2	1
173	Masked errors in power systems state estimation and measurement gross errors detection and identification. , 2011, , .		2
174	Phase Distance Relaying With Fault Resistance Compensation for Unbalanced Systems. IEEE Transactions on Power Delivery, 2011, 26, 1282-1283.	2.9	20
175	A impedance-based fault location technique for unbalanced distributed generation systems. , 2011, , .		7
176	Further improvements on impedance-based fault location for power distribution systems. IET Generation, Transmission and Distribution, 2011, 5, 467.	1.4	131
177	Innovation concept for measurement gross error detection and identification in power system state estimation. IET Generation, Transmission and Distribution, 2011, 5, 603.	1.4	59
178	Climate change effect on very short-term electric load forecasting. , 2011, , .		22
179	Distribution systems fault analysis considering fault resistance estimation. International Journal of Electrical Power and Energy Systems, 2011, 33, 1326-1335.	3.3	44
180	Single line-to-ground faults on distribution systems: Effect of pre-fault voltages on fault currents. , 2011, , .		1

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181	Transient response of grounding electrode with emphasis on the Transmission Line Modeling Method (TLM). , 2010, , .		2
182	System unbalance and fault impedance effect on faulted distribution networks. Computers and Mathematics With Applications, 2010, 60, 1105-1114.	1.4	28
183	System unbalance effect on faulted distribution systems: A numerical study. , 2010, , .		1
184	Bad data analysis using the composed measurements errors for power system state estimation. , 2010, , .		5
185	Impedance-based fault location formulation for unbalanced primary distribution systems with distributed generation. , 2010, , .		25
186	Comparative analysis of EMC methodologies applied on transients studies of impulsive grounding systems. , 2010, , .		0
187	A system for incipient fault detection and fault diagnosis based on MCSA. , 2010, , .		5
188	A HYBRID EXPERT SYSTEM BASED ON NEURAL NETWORKS AND FUZZY LOGIC FOR FAULT IDENTIFICATION IN ELECTRIC POWER SUBSTATIONS. , 2010, , .		0
189	Fault location for underground distribution feeders: An extended impedance-based formulation with capacitive current compensation. International Journal of Electrical Power and Energy Systems, 2009, 31, 489-496.	3.3	83
190	Extended Fault-Location Formulation for Power Distribution Systems. IEEE Transactions on Power Delivery, 2009, 24, 508-516.	2.9	181
191	Application of Discrete Wavelet Transform for differential protection of power transformers. , 2009, , .		28
192	Ground Distance Relaying With Fault-Resistance Compensation for Unbalanced Systems. IEEE Transactions on Power Delivery, 2008, 23, 1319-1326.	2.9	83
193	Hybrid Fault Diagnosis Scheme Implementation for Power Distribution Systems Automation. IEEE Transactions on Power Delivery, 2008, 23, 1846-1856.	2.9	98
194	Differential protection of three-phase transformers using Wavelet Transforms. , 2008, , .		3
195	Extended impedance-based fault location formulation for unbalanced underground distribution systems. , 2008, , .		9
196	Wavelet Transform approach for differential protection of three-phase transformers. , 2008, , .		2
197	Unbalanced Underground Distribution Systems Fault Detection and Section Estimation. Lecture Notes in Computer Science, 2007, , 1054-1065.	1.0	8
198	Fault Location in Unbalanced DG Systems using the Positive Sequence Apparent Impedance. , 2006, , .		31

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199	A Novel High Impedance Fault Location for Distribution Systems Considering Distributed Generation. , 2006, , .		21
200	A BP Neural Network Based Technique for HIF Detection and Location on Distribution Systems with Distributed Generation. Lecture Notes in Computer Science, 2006, , 608-613.	1.0	7
201	A topological approach to the identification of critical measurements in power-system state estimation. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2005, 52, 139-147.	0.1	7
202	Algorithms to solve qualitative problems in power system state estimation. International Journal of Electrical Power and Energy Systems, 2004, 26, 583-592.	3.3	7
203	Artificial neural networks in power system restoration. IEEE Transactions on Power Delivery, 2003, 18, 1181-1186.	2.9	79
204	Artificial Neural Networks in Power System Restoration. IEEE Power Engineering Review, 2002, 22, 61-61.	0.1	33
205	Power system restoration methodologies and implementation strategies [Book Review]. IEEE Computer Applications in Power, 2001, 14, 58-59.	0.2	1
206	Fault diagnosis in deregulated distribution systems using an artificial neural network. , 0, , .		4
207	Biomass Electricity Generation Using Industry Poultry Waste. Renewable Energy and Power Quality Journal, 0, , 1650-1654.	0.2	8
208	Design and Analysis of Brushless Self-Excited Three-Phase Synchronous Generator. Renewable Energy and Power Quality Journal, 0, , 1659-1664.	0.2	7
209	Development of a Quality Management System for Electric Power applied to Small Wind Turbines. Renewable Energy and Power Quality Journal, 0, , 1083-1088.	0.2	1
210	Evaluation of the Wire-Guard and Grounding Arrangements in Overhead Distribution Feeders Performance Against Lightning. Renewable Energy and Power Quality Journal, 0, , 1474-1479.	0.2	0
211	Viability Study for Use of Rice Husk in Electricity Generation by Biomass. Renewable Energy and Power Quality Journal, 0, , 1655-1658.	0.2	5
212	Electricity Generation by Use of Urban Solid Waste. Renewable Energy and Power Quality Journal, 0, 1, 140-145.	0.2	1
213	Evaluation of Alternative Disposal and Replacement of Fluorescent Lamps. Renewable Energy and Power Quality Journal, 0, , 636-639.	0.2	1
214	Efficiency Evaluation of Filters Applied in Thermoeletrics from the Analysis of Processm Variables. Renewable Energy and Power Quality Journal, 0, , 605-608.	0.2	0
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217	RestauraÃ§Ã£o AutomÃ¡tica de Sistemas ElÃ©tricos de PotÃªncia AtravÃ©s do Uso de Redes Neurais Artificiais: Estudos no Sistema ElÃ©trico Sul. , 0, , .		0