

# Vladimir Terzija

## List of Publications by Year in descending order

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288  
papers

9,536  
citations

50566

48  
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60403

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290  
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290  
docs citations

290  
times ranked

6610  
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Load Shedding Scheme With Consideration of Distributed Energy Resourcesâ€™ Active Power Ramping Capability. IEEE Transactions on Power Systems, 2022, 37, 81-93.	4.6	11
2	Nonlinearity Characteristic of High Impedance Fault at Resonant Distribution Networks: Theoretical Basis to Identify the Faulty Feeder. IEEE Transactions on Power Delivery, 2022, 37, 923-936.	2.9	17
3	Power system inertia estimation: Review of methods and the impacts of converter-interfaced generations. International Journal of Electrical Power and Energy Systems, 2022, 134, 107362.	3.3	74
4	An interdisciplinary research perspective on the future of multi-vector energy networks. International Journal of Electrical Power and Energy Systems, 2022, 135, 107492.	3.3	13
5	Power system anomaly detection using innovation reduction properties of iterated extended kalman filter. International Journal of Electrical Power and Energy Systems, 2022, 136, 107613.	3.3	5
6	A Phasor Estimation Algorithm Robust to Decaying DC Component. IEEE Transactions on Power Delivery, 2022, 37, 860-870.	2.9	15
7	Review on deep learning applications in frequency analysis and control of modern power system. International Journal of Electrical Power and Energy Systems, 2022, 136, 107744.	3.3	136
8	A holistic review on Cyber-Physical Power System (CPPS) testbeds for secure and sustainable electric power grid â€œ Part â€œ I: Background on CPPS and necessity of CPPS testbeds. International Journal of Electrical Power and Energy Systems, 2022, 136, 107718.	3.3	14
9	A holistic review on Cyber-Physical Power System (CPPS) testbeds for secure and sustainable electric power grid â€œ Part â€œ II: Classification, overview and assessment of CPPS testbeds. International Journal of Electrical Power and Energy Systems, 2022, 137, 107721.	3.3	9
10	State-of-the-art of data collection, analytics, and future needs of transmission utilities worldwide to account for the continuous growth of sensing data. International Journal of Electrical Power and Energy Systems, 2022, 137, 107772.	3.3	6
11	An embedded VFAF in DFIG-based wind farms for SSCI mitigation. International Journal of Electrical Power and Energy Systems, 2022, 137, 107765.	3.3	1
12	Comparative Study of Symmetrical Controlled Grid-Connected Inverters. IEEE Transactions on Power Electronics, 2022, 37, 3954-3968.	5.4	5
13	Decentralized data-driven estimation of generator rotor speed and inertia constant based on adaptive unscented Kalman filter. International Journal of Electrical Power and Energy Systems, 2022, 137, 107853.	3.3	12
14	Normalized Deleted Residual Test for Identifying Interacting Bad Data in Power System State Estimation. IEEE Transactions on Power Systems, 2022, 37, 4006-4016.	4.6	8
15	Gaussian Distribution-Based Inertial Control of Wind Turbine Generators for Fast Frequency Response in Low Inertia Systems. IEEE Transactions on Sustainable Energy, 2022, 13, 1641-1653.	5.9	25
16	An Embedded Estimator for Online Harmonic Monitoring in Power-Electronic Grids. IEEE Transactions on Smart Grid, 2022, 13, 4677-4689.	6.2	3
17	Wide-Area Event Identification in Power Systems: A Review of the State-of-the-Art. , 2022, , .		3
18	Non-Homogeneous Sampling Rate Wide Area Backup Protection using Synchrophasors and IED Data. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
19	Hardware-in-the-Loop and Field Validation of a Rotor-Side Subsynchronous Damping Controller for a Series Compensated DFIG System. IEEE Transactions on Power Delivery, 2021, 36, 698-709.	2.9	42
20	A Hierarchical Inertial Control Scheme for Multiple Wind Farms With BESSs Based on ADMM. IEEE Transactions on Sustainable Energy, 2021, 12, 751-760.	5.9	46
21	Robust Hybrid Linear State Estimator Utilizing SCADA and PMU Measurements. IEEE Transactions on Power Systems, 2021, 36, 1264-1273.	4.6	37
22	Slow Coherency Identification and Power System Dynamic Model Reduction by Using Orthogonal Structure of Electromechanical Eigenvectors. IEEE Transactions on Power Systems, 2021, 36, 1482-1492.	4.6	27
23	Roles of Dynamic State Estimation in Power System Modeling, Monitoring and Operation. IEEE Transactions on Power Systems, 2021, 36, 2462-2472.	4.6	104
24	Monitoring of fault level in future grid scenarios with high penetration of power electronics-based renewable generation. IET Generation, Transmission and Distribution, 2021, 15, 294-305.	1.4	7
25	Reserve constrained dynamic economic dispatch in multi-area power systems: An improved fireworks algorithm. International Journal of Electrical Power and Energy Systems, 2021, 126, 106579.	3.3	32
26	Perturbation-Based Sensitivity Analysis of Slow Coherency With Variable Power System Inertia. IEEE Transactions on Power Systems, 2021, 36, 1121-1129.	4.6	10
27	Bi-Level Dispatch and Control Architecture for Power System in China Based on Grid-Friendly Virtual Power Plant. Applied Sciences (Switzerland), 2021, 11, 1282.	1.3	12
28	Improving frequency regulation of wind-integrated multi-area systems using LFA-fuzzy PID control. International Transactions on Electrical Energy Systems, 2021, 31, e12802.	1.2	14
29	An improved algorithm for cubature Kalman filter based forecasting-aided state estimation and anomaly detection. International Transactions on Electrical Energy Systems, 2021, 31, e12714.	1.2	7
30	PMU-voltage drop based fault locator for transmission backup protection. Electric Power Systems Research, 2021, 196, 107188.	2.1	17
31	Guest Editorial: Special Issue on recent advancements in electric power system planning with high-penetration of renewable energy resources and dynamic loads. International Journal of Electrical Power and Energy Systems, 2021, 129, 106597.	3.3	8
32	Wide-Area Identification of the Size and Location of Loss of Generation Events by Sparse PMUs. IEEE Transactions on Power Delivery, 2021, 36, 2397-2407.	2.9	9
33	Underfrequency Load Shedding Using Locally Estimated RoCoF of the Center of Inertia. IEEE Transactions on Power Systems, 2021, 36, 4212-4222.	4.6	41
34	A Novel Direct Power Control for DFIG With Parallel Compensator Under Unbalanced Grid Condition. IEEE Transactions on Industrial Electronics, 2021, 68, 9607-9618.	5.2	24
35	A novel adaptive linear prediction-based parameter estimation method for monitoring sub-/inter-harmonics during SSI events. International Journal of Electrical Power and Energy Systems, 2021, 132, 107133.	3.3	3
36	An adaptive method for tuning process noise covariance matrix in EKF-based three-phase distribution system state estimation. International Journal of Electrical Power and Energy Systems, 2021, 132, 107192.	3.3	5

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37	A similarity-based framework for incipient fault detection in underground power cables. International Journal of Electrical Power and Energy Systems, 2021, 133, 107309.	3.3	8
38	Online Non-Iterative Estimation of Transmission Line and Transformer Parameters by SCADA Data. IEEE Transactions on Power Systems, 2021, 36, 2632-2641.	4.6	25
39	Using Branch Current Measurements for Parameter Identification in Extended Kalman Filter based Distribution System State Estimation. , 2021, , .		1
40	Development and Validation of a New Oscillatory Component Load Model For Real-Time Estimation of Dynamic Load Model Parameters. IEEE Transactions on Power Delivery, 2020, 35, 618-629.	2.9	16
41	Toward Intelligent Inertial Frequency Participation of Wind Farms for the Grid Frequency Control. IEEE Transactions on Industrial Informatics, 2020, 16, 6772-6786.	7.2	52
42	Maximum torque per ampere control with direct voltage control for IPMSM drive systems. International Journal of Electrical Power and Energy Systems, 2020, 116, 105509.	3.3	8
43	Continuous Under-Frequency Load Shedding Scheme for Power System Adaptive Frequency Control. IEEE Transactions on Power Systems, 2020, 35, 950-961.	4.6	104
44	Fast robust power system dynamic state estimation using model transformation. International Journal of Electrical Power and Energy Systems, 2020, 114, 105390.	3.3	14
45	Security and optimization rule-based coordinated generator simultaneous tap changing dispatch scheme for transmission voltage regulation. International Journal of Electrical Power and Energy Systems, 2020, 114, 105366.	3.3	4
46	Location of Single Phase to Ground Faults in Distribution Networks Based on Synchronous Transients Energy Analysis. IEEE Transactions on Smart Grid, 2020, 11, 774-785.	6.2	101
47	High Impedance Arc Fault Detection Based on the Harmonic Randomness and Waveform Distortion in the Distribution System. IEEE Transactions on Power Delivery, 2020, 35, 837-850.	2.9	40
48	Fast Frequency Response From Smart Induction Motor Variable Speed Drives. IEEE Transactions on Power Systems, 2020, 35, 997-1008.	4.6	23
49	A Linear Inertial Response Emulation for Variable Speed Wind Turbines. IEEE Transactions on Power Systems, 2020, 35, 1198-1208.	4.6	36
50	Design and Validation of a Wide Area Monitoring and Control System for Fast Frequency Response. IEEE Transactions on Smart Grid, 2020, 11, 3394-3404.	6.2	22
51	Wide-Area Backup Protection Against Asymmetrical Faults Using Available Phasor Measurements. IEEE Transactions on Power Delivery, 2020, 35, 2032-2039.	2.9	20
52	Synchronized Measurement Technology Supported Online Generator Slow Coherency Identification and Adaptive Tracking. IEEE Transactions on Smart Grid, 2020, 11, 3405-3417.	6.2	18
53	Smart frequency control in low inertia energy systems based on frequency response techniques: A review. Applied Energy, 2020, 279, 115798.	5.1	94
54	Long-Term Frequency Stability Assessment Based on Extended Frequency Response Model. IEEE Access, 2020, 8, 122444-122455.	2.6	6

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55	Local Frequency-Based Estimation of the Rate of Change of Frequency of the Center of Inertia. IEEE Transactions on Power Systems, 2020, 35, 4948-4951.	4.6	26
56	Development and Validation of Artificial Neural Network-Based Tools for Forecasting of Power System Inertia With Wind Farms Penetration. IEEE Systems Journal, 2020, 14, 4978-4989.	2.9	31
57	Evaluation of DFIGs'™ Primary Frequency Regulation Capability for Power Systems with High Penetration of Wind Power. Energies, 2020, 13, 6178.	1.6	5
58	A rough set-based bio-inspired fault diagnosis method for electrical substations. International Journal of Electrical Power and Energy Systems, 2020, 119, 105961.	3.3	94
59	Analytically derived fixed termination time for stepwise inertial control of wind turbines'™Part I: Analytical derivation. International Journal of Electrical Power and Energy Systems, 2020, 121, 106120.	3.3	28
60	Dual use line relays to improve power swing deblocking function. International Journal of Electrical Power and Energy Systems, 2020, 121, 106156.	3.3	7
61	Development of GB distribution networks with low carbon technologies and smart solutions: Methodology. International Journal of Electrical Power and Energy Systems, 2020, 119, 105833.	3.3	4
62	A hybrid robust forecasting-aided state estimator considering bimodal Gaussian mixture measurement errors. International Journal of Electrical Power and Energy Systems, 2020, 120, 105962.	3.3	18
63	Linear LAV'™based state estimation integrating hybrid SCADA/PMU measurements. IET Generation, Transmission and Distribution, 2020, 14, 1583-1590.	1.4	28
64	Development of GB distribution networks with low carbon technologies and smart solutions: Scenarios and results. International Journal of Electrical Power and Energy Systems, 2020, 119, 105832.	3.3	7
65	Analytically derived fixed termination time for stepwise inertial control of wind turbines'™Part II: Application strategy. International Journal of Electrical Power and Energy Systems, 2020, 121, 106106.	3.3	17
66	Stochastic frequency constrained unit commitment incorporating virtual inertial response from variable speed wind turbines. IET Generation, Transmission and Distribution, 2020, 14, 5193-5201.	1.4	14
67	Synthetic inertial control of wind farm with BESS based on model predictive control. IET Renewable Power Generation, 2020, 14, 2447-2455.	1.7	15
68	High-Speed Distance Relaying of the Entire Length of Transmission Lines Without Signaling. IEEE Transactions on Power Delivery, 2020, 35, 1949-1959.	2.9	12
69	Diagnosis of the single phase'™to'™ground fault in distribution network based on feature extraction and transformation from the waveforms. IET Generation, Transmission and Distribution, 2020, 14, 6079-6086.	1.4	10
70	Local photovoltaic reactive power controller for increasing active distribution networks hosting capacity. IET Generation, Transmission and Distribution, 2020, 14, 5152-5162.	1.4	4
71	A Novel Adaptive Supervisory Controller for Optimized Voltage Controlled Demand Response. IEEE Transactions on Smart Grid, 2019, 10, 4201-4210.	6.2	4
72	Utility-Oriented Online Load Restoration Considering Wind Power Penetration. IEEE Transactions on Sustainable Energy, 2019, 10, 706-717.	5.9	20

#	ARTICLE	IF	CITATIONS
73	A Review of Low Voltage Ride Through in DFIG under Unbalanced Grid Faults. , 2019, , .		4
74	SCADA and PMU Measurement Based Methods for Robust Hybrid State Estimation. Electric Power Components and Systems, 2019, 47, 849-860.	1.0	9
75	A network reconfiguration approach for power system restoration based on preference-based multiobjective optimization. Applied Soft Computing Journal, 2019, 83, 105656.	4.1	23
76	Issues and Challenges of Steady-State Fault Calculation Methods in Power Systems With a High Penetration of Non-Synchronous Generation. , 2019, , .		9
77	Noncommunication Accelerated Sequential Tripping for Remote-End Faults On Transmission Lines. , 2019, , .		1
78	Fast frequency response for effective frequency control in power systems with low inertia. Journal of Engineering, 2019, 2019, 1696-1702.	0.6	35
79	Ultra Fast Linear State Estimation Utilizing SCADA Measurements. IEEE Transactions on Power Systems, 2019, 34, 2622-2631.	4.6	32
80	Power System Dynamic State Estimation: Motivations, Definitions, Methodologies, and Future Work. IEEE Transactions on Power Systems, 2019, 34, 3188-3198.	4.6	417
81	Application of Newton-based load flow methods for determining steady-state condition of well and ill-conditioned power systems: A review. International Journal of Electrical Power and Energy Systems, 2019, 113, 298-309.	3.3	36
82	Measuring effective area inertia to determine fast-acting frequency response requirements. International Journal of Electrical Power and Energy Systems, 2019, 113, 1-8.	3.3	51
83	On-line power system inertia calculation using wide area measurements. International Journal of Electrical Power and Energy Systems, 2019, 109, 325-331.	3.3	54
84	Analysis of discharge energy on surge arrester configurations in 132kV double circuit transmission lines. Measurement: Journal of the International Measurement Confederation, 2019, 139, 103-111.	2.5	8
85	Active power support of wind turbines for grid frequency events using a reliable power reference scheme. Renewable Energy, 2019, 139, 1241-1254.	4.3	56
86	An Asynchronous Decentralized Forecasting-Aided State Estimator for Power Systems. IEEE Transactions on Power Systems, 2019, 34, 3059-3068.	4.6	14
87	Modifying IEC 60909 Standard to Consider Fault Contribution from Renewable Energy Resources Utilizing Fully-Rated Converters. , 2019, , .		3
88	Discovering Clusters in Power Networks From Orthogonal Structure of Spectral Embedding. , 2019, , .		0
89	Optimal utilisation of PMU measurements in power system hybrid state estimators. IET Generation, Transmission and Distribution, 2019, 13, 4978-4986.	1.4	7
90	Wide area inter-area oscillation control system in a GB electric power system. Journal of Engineering, 2019, 2019, 3294-3300.	0.6	1

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91	Analysis of Hybrid State Estimators: Accuracy and Convergence of Estimator Formulations. IEEE Transactions on Power Systems, 2019, 34, 2565-2576.	4.6	13
92	Robust Online Estimation of Power System Center of Inertia Frequency. IEEE Transactions on Power Systems, 2019, 34, 821-825.	4.6	52
93	A New Approach to the Online Estimation of the Loss of Generation Size in Power Systems. IEEE Transactions on Power Systems, 2019, 34, 2103-2113.	4.6	20
94	An explicit formulation for synchronous machine model in terms of the manufacturer data. International Journal of Electrical Power and Energy Systems, 2019, 108, 9-18.	3.3	4
95	Active Power Imbalance Detection, Size and Location Estimation Using Limited PMU Measurements. IEEE Transactions on Power Systems, 2019, 34, 1362-1372.	4.6	38
96	An Adaptive Decomposition Scheme for Wideband Signals of Power Systems Based on the Modified Robust Regression Smoothing and Chebyshev-II IIR Filter Bank. IEEE Transactions on Power Delivery, 2019, 34, 220-230.	2.9	11
97	Modeling DFIG-based system frequency response for frequency trajectory sensitivity analysis. International Transactions on Electrical Energy Systems, 2019, 29, e2774.	1.2	7
98	Quantitative synergy assessment of regional wind-solar energy resources based on MERRA reanalysis data. Applied Energy, 2018, 216, 172-182.	5.1	94
99	The Development of Low-Current Surface Arcs Under Clean and Salt-Fog Conditions in Electricity Distribution Networks. IEEE Access, 2018, 6, 15835-15843.	2.6	10
100	Lightning flash algorithm for solving non-convex combined emission economic dispatch with generator constraints. IET Generation, Transmission and Distribution, 2018, 12, 104-116.	1.4	49
101	Intentional Controlled Islanding and Risk Assessment: A Unified Framework. IEEE Systems Journal, 2018, 12, 3637-3648.	2.9	19
102	Optimal PMU Placement Framework Under Observability Redundancy and Contingency—An Evolutionary Algorithm Using DlgSILENT Programming Language Module. Green Energy and Technology, 2018, , 241-277.	0.4	2
103	Synchronized measurement technology supported AC and HVDC online disturbance detection. Electric Power Systems Research, 2018, 160, 308-317.	2.1	7
104	Synchro-Measurement Application Development Framework: An IEEE Standard C37.118.2-2011 Supported MATLAB Library. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 1804-1814.	2.4	23
105	A Robust and Adaptive Detection Scheme for Interharmonics in Active Distribution Network. IEEE Transactions on Power Delivery, 2018, 33, 2524-2534.	2.9	21
106	An Ultra-High-Speed Directional Relay Based on Correlation of Incremental Quantities. IEEE Transactions on Power Delivery, 2018, 33, 2726-2735.	2.9	36
107	Measurement-Based Transmission Line Parameter Estimation With Adaptive Data Selection Scheme. IEEE Transactions on Smart Grid, 2018, 9, 5764-5773.	6.2	49
108	Synchronised Measurements Based Algorithm for Long Transmission Line Fault Analysis. IEEE Transactions on Smart Grid, 2018, 9, 4448-4457.	6.2	22

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109	A Numerical Approach for Hybrid Simulation of Power System Dynamics Considering Extreme Icing Events. IEEE Transactions on Smart Grid, 2018, 9, 5038-5046.	6.2	19
110	A Novel Control Strategy for Subsynchronous Resonance Mitigation Using 11 kV VFD-Based Auxiliary Power Plant Loads. IEEE Transactions on Power Delivery, 2018, 33, 728-740.	2.9	18
111	Equivalent traveling waves based current differential protection of EHV/UHV transmission lines. International Journal of Electrical Power and Energy Systems, 2018, 97, 282-289.	3.3	22
112	A Method for Accurate Parameter Estimation of Series Compensated Transmission Lines Using Synchronized Data. , 2018, , .		1
113	Probabilistic Optimal PV Capacity Planning for Wind Farm Expansion Based on NASA Data. , 2018, , .		2
114	Generator grouping cutset determination based on tree construction and constrained spectral clustering. Journal of Engineering, 2018, 2018, 1309-1314.	0.6	1
115	Small Signal Based Frequency Response Analysis for Power Systems. , 2018, , .		4
116	Modeling the development of low current arcs and arc resistance simulation. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 2049-2057.	1.8	12
117	Spectral MST-Based Graph Outlier Detection with Application to Clustering of Power Networks. , 2018, , .		2
118	Performance of out-of-step tripping protection under renewable integration. Journal of Engineering, 2018, 2018, 1216-1222.	0.6	8
119	European LV microgrid benchmark network: Development and frequency response analysis. , 2018, , .		8
120	Design, Evaluation and Implementation of an Islanding Detection Method for a Micro-grid. Energies, 2018, 11, 323.	1.6	26
121	Identifying the Timing of Controlled Islanding Using a Controlling UEP Based Method. IEEE Transactions on Power Systems, 2018, 33, 5913-5922.	4.6	27
122	Discovering Clusters in Power Networks From Orthogonal Structure of Spectral Embedding. IEEE Transactions on Power Systems, 2018, 33, 6441-6451.	4.6	13
123	A Screening Rule-Based Iterative Numerical Method for Observability Analysis. IEEE Transactions on Power Systems, 2017, 32, 4188-4198.	4.6	6
124	Coordinating self-healing control of bulk power transmission system based on a hierarchical top-down strategy. International Journal of Electrical Power and Energy Systems, 2017, 90, 147-157.	3.3	20
125	A Method for Accurate Parameter Estimation of Series Compensated Transmission Lines Using Synchronized Data. IEEE Transactions on Power Systems, 2017, 32, 4843-4850.	4.6	39
126	Probabilistic Optimal PV Capacity Planning for Wind Farm Expansion Based on NASA Data. IEEE Transactions on Sustainable Energy, 2017, 8, 1291-1300.	5.9	52



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127	Performance investigation of ABC algorithm in multi-area power system with multiple interconnected generators. Applied Soft Computing Journal, 2017, 57, 436-451.	4.1	22
128	Smart integrated adaptive centralized controller for islanded microgrids under minimized load shedding. , 2017, , .		8
129	A post-processing methodology for robust spectral embedded clustering of power networks. , 2017, , .		7
130	Dynamic power flow algorithm considering frequency regulation of wind power generators. IET Renewable Power Generation, 2017, 11, 1218-1225.	1.7	20
131	Impact of location and composition of dynamic load on the severity of SSR in meshed power systems. , 2017, , .		1
132	Assessment of OLTC contributions to voltage controlled demand response using structural equation models. , 2017, , .		1
133	Optimization of the Event-Driven Emergency Load-Shedding Considering Transient Security and Stability Constraints. IEEE Transactions on Power Systems, 2017, 32, 2581-2592.	4.6	82
134	Optimized Control of LCLâ€“VSC Converter With Refined <i>s</i> -Parameter. IEEE Transactions on Power Delivery, 2017, 32, 2101-2110.	2.9	3
135	Graph Spectra Based Controlled Islanding for Low Inertia Power Systems. IEEE Transactions on Power Delivery, 2017, 32, 302-309.	2.9	47
136	A New Biobjective Probabilistic Risk-Based Wind-Thermal Unit Commitment Using Heuristic Techniques. IEEE Transactions on Industrial Informatics, 2017, 13, 115-124.	7.2	34
137	A New Centralized Adaptive Underfrequency Load Shedding Controller for Microgrids Based on a Distribution State Estimator. IEEE Transactions on Power Delivery, 2017, 32, 370-380.	2.9	69
138	Testing and validation of a dynamic estimator of states in OPAL-RT real time simulator. , 2017, , .		4
139	Guest editorial: special issue on wide area monitoring, protection and control in smart grid. Journal of Modern Power Systems and Clean Energy, 2016, 4, 317-318.	3.3	5
140	Smart frequency control for the future GB power system. , 2016, , .		17
141	Economic optimisation of the actions of an enhanced Operational Tripping Scheme. , 2016, , .		0
142	Mitigating SSR: The threat of hidden critical lines and WAMS as a solution. , 2016, , .		2
143	Controlled islanding of power networks based on graph reduction and spectral clustering. , 2016, , .		6
144	The DC circuit breaker with necessary bidirectional interruption capability. , 2016, , .		0

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145	An enterprise platform for wide area monitoring of load dynamics using Synchronized Measurement Technology. IFAC-PapersOnLine, 2016, 49, 85-90.	0.5	7
146	Lightning back flashover tripping patterns on a 275/132kV quadruple circuit transmission line in Malaysia. IET Science, Measurement and Technology, 2016, 10, 344-354.	0.9	19
147	General Analysis of Vacuum Circuit Breaker Switching Overvoltages in Offshore Wind Farms. IEEE Transactions on Power Delivery, 2016, 31, 2351-2359.	2.9	37
148	Impact of load dynamics on torsional interactions. , 2016, , .		4
149	Improving the performance of power system protection using wide area monitoring systems. Journal of Modern Power Systems and Clean Energy, 2016, 4, 319-331.	3.3	70
150	Deployment and demonstration of wide area monitoring system in power system of Great Britain. Journal of Modern Power Systems and Clean Energy, 2016, 4, 506-518.	3.3	10
151	Practical multi-area bi-objective environmental economic dispatch equipped with a hybrid gradient search method and improved Jaya algorithm. IET Generation, Transmission and Distribution, 2016, 10, 3580-3596.	1.4	48
152	Damping of inter-area power oscillations in hybrid AC-DC power systems based on supervisory control scheme utilizing FACTS and HVDC. , 2016, , .		8
153	Corrective economic dispatch and operational cycles for probabilistic unit commitment with demand response and high wind power. Applied Energy, 2016, 182, 634-651.	5.1	54
154	Power system restoration: a literature review from 2006 to 2016. Journal of Modern Power Systems and Clean Energy, 2016, 4, 332-341.	3.3	202
155	Addressing emerging network management needs with enhanced WAMS in the GB VISOR project. , 2016, , .		3
156	A new inertia emulator and fuzzy-based LFC to support inertial and governor responses using Jaya algorithm. , 2016, , .		13
157	Roadmap for the deployment of WAMPAC in the future GB power system. IET Generation, Transmission and Distribution, 2016, 10, 1553-1562.	1.4	10
158	Computation of internal voltage distribution in transformer windings by utilizing a voltage distribution factor. Electric Power Systems Research, 2016, 138, 11-17.	2.1	6
159	Smart application for inter-area oscillations monitoring based on Newton-type algorithm. International Transactions on Electrical Energy Systems, 2016, 26, 2370-2384.	1.2	1
160	Adaptive Online Disturbance Location Considering Anisotropy of Frequency Propagation Speeds. IEEE Transactions on Power Systems, 2016, 31, 931-941.	4.6	24
161	Multiobjective Dynamic Optimal Power Flow Considering Fuzzy-Based Smart Utilization of Mobile Electric Vehicles. IEEE Transactions on Industrial Informatics, 2016, 12, 503-514.	7.2	50
162	Reducing excessive standing phase angle differences: A new approach based on OPF and wide area measurements. International Journal of Electrical Power and Energy Systems, 2016, 78, 13-21.	3.3	5

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163	Fast, &lt;italic>In Situ&lt;/italic> Demagnetization Method for Protection Current Transformers. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	8
164	Methodology for testing a parameter-free fault locator for transmission lines. Electric Power Systems Research, 2016, 138, 92-98.	2.1	4
165	On the Use of Dynamic Thermal-Line Ratings for Improving Operational Tripping Schemes. IEEE Transactions on Power Delivery, 2016, 31, 1891-1900.	2.9	48
166	A wavelet transform-based protection scheme of multi-terminal HVDC system. , 2016, , .		8
167	On-line demagnetization method for an iron core CT. , 2015, , .		0
168	A flexible platform for synchronized measurements, data aggregation and information retrieval. Electric Power Systems Research, 2015, 120, 20-31.	2.1	13
169	Flexible Synchronized Measurement Technology-Based Fault Locator. IEEE Transactions on Smart Grid, 2015, 6, 866-873.	6.2	56
170	An Affine-Arithmetic-Based Consensus Protocol for Smart-Grid Computing in the Presence of Data Uncertainties. IEEE Transactions on Industrial Electronics, 2015, 62, 2973-2982.	5.2	25
171	Investigation of the Overvoltage and Fast Transient Phenomena on Transformer Terminals by Taking Into Account the Grounding Effects. IEEE Transactions on Industry Applications, 2015, 51, 5218-5227.	3.3	44
172	Estimation of Composite Load Model Parameters Using an Improved Particle Swarm Optimization Method. IEEE Transactions on Power Delivery, 2015, 30, 553-560.	2.9	82
173	Synchronized Measurements-Based Algorithm for Short Transmission Line Fault Analysis. IEEE Transactions on Smart Grid, 2015, 6, 2639-2648.	6.2	30
174	Constrained spectral clustering&lt;sup>2&lt;/sup>-based methodology for intentional controlled islanding of large&lt;sup>2&lt;/sup>-scale power systems. IET Generation, Transmission and Distribution, 2015, 9, 31-42.	1.4	63
175	Sectionalising methodology for parallel system restoration based on graph theory. IET Generation, Transmission and Distribution, 2015, 9, 1216-1225.	1.4	46
176	A two-step hybrid power system state estimator. International Transactions on Electrical Energy Systems, 2015, 25, 1158-1172.	1.2	13
177	A Self-Organizing Architecture for Decentralized Smart Microgrids Synchronization, Control, and Monitoring. IEEE Transactions on Industrial Informatics, 2015, 11, 289-298.	7.2	68
178	Inertia estimation using PMUs in a laboratory. , 2014, , .		14
179	Closure to Discussion on &lt;sup>2&lt;/sup>-Step Spectral Clustering Controlled Islanding Algorithm&lt;sup>2&lt;/sup>. IEEE Transactions on Power Systems, 2014, 29, 413-414.	4.6	3
180	Estimation of load model parameters from PMU measurements. , 2014, , .		3

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