

# Innocent Kamwa

## List of Publications by Year in descending order

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253  
papers

10,108  
citations

57631

44  
h-index

42291

92  
g-index

254  
all docs

254  
docs citations

254  
times ranked

5504  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Multiagent Deep Reinforcement Learning-Enabled Dual-Branch Damping Controller for Multimode Oscillation. IEEE Transactions on Control Systems Technology, 2023, 31, 483-492.	3.2	3
2	An Online Data-Driven Method to Locate Forced Oscillation Sources From Power Plants Based on Sparse Identification of Nonlinear Dynamics (SINDy). IEEE Transactions on Power Systems, 2023, 38, 2085-2099.	4.6	6
3	Stochastic optimal transmission Switching: A novel approach to enhance power grid security margins through vulnerability mitigation under renewables uncertainties. Applied Energy, 2022, 305, 117851.	5.1	13
4	Enabling hybrid energy storage systems in VSC-based MTDC grids for decentralized fast frequency response control in low-inertia AC/DC systems. IET Generation, Transmission and Distribution, 2022, 16, 897-911.	1.4	3
5	Bibliographic review on power system oscillations damping: An era of conventional grids and renewable energy integration. International Journal of Electrical Power and Energy Systems, 2022, 136, 107556.	3.3	27
6	A decentralized non-linear dynamic droop control of a hybrid energy storage system bluefor primary frequency control in integrated AC-MTDC systems. International Journal of Electrical Power and Energy Systems, 2022, 136, 107630.	3.3	10
7	Coordinated generation expansion planning & energy storage planning model of the IPP's participation in the electricity markets. Electric Power Systems Research, 2022, 205, 107743.	2.1	1
8	Decentralized Stability Enhancement of DFIG-Based Wind Farms in Large Power Systems: Koopman Theoretic Approach. IEEE Access, 2022, 10, 27684-27697.	2.6	6
9	Supervised Learning of Overcomplete Dictionaries for Rapid Response-Based Dynamic Stability Prediction. IEEE Transactions on Power Systems, 2022, 37, 4912-4924.	4.6	1
10	Fuel cell-based topologies and multi-input DC-DC power converters for hybrid electric vehicles: A comprehensive review. IET Generation, Transmission and Distribution, 2022, 16, 2111-2139.	1.4	33
11	An improved decentralized finite-time approach for excitation control of multi-area power systems. Sustainable Energy, Grids and Networks, 2022, 31, 100692.	2.3	3
12	Supervising Vulnerable Third Zone Distance Relay to Enhance Wide-Area Back-Up Protection Systems. IEEE Access, 2022, 10, 49862-49872.	2.6	2
13	Survey of Simulation Tools to Assess Techno-Economic Benefits of Smart Grid Technology in Integrated T&D Systems. Sustainability, 2022, 14, 8108.	1.6	4
14	A Novel Wide-Area Control Strategy for Damping of Critical Frequency Oscillations via Modulation of Active Power Injections. IEEE Transactions on Power Systems, 2021, 36, 485-494.	4.6	23
15	Roles of Dynamic State Estimation in Power System Modeling, Monitoring and Operation. IEEE Transactions on Power Systems, 2021, 36, 2462-2472.	4.6	104
16	Definition and Classification of Power System Stability – Revisited & Extended. IEEE Transactions on Power Systems, 2021, 36, 3271-3281.	4.6	404
17	A Simulation-Based Classification Approach for Online Prediction of Generator Dynamic Behavior Under Multiple Large Disturbances. IEEE Transactions on Power Systems, 2021, 36, 1217-1228.	4.6	9
18	Time Series-Analysis Based Engineering of High-Dimensional Wide-Area Stability Indices for Machine Learning. IEEE Access, 2021, 9, 104927-104939.	2.6	9

#	ARTICLE	IF	CITATIONS
19	Scattering Transformation Based Wide-Area Damping Controller of SSSC Considering Communication Latency. IEEE Access, 2021, 9, 15510-15519.	2.6	6
20	Wind Turbine Gearbox Anomaly Detection Based on Adaptive Threshold and Twin Support Vector Machines. IEEE Transactions on Energy Conversion, 2021, 36, 3462-3469.	3.7	100
21	Gas Network's Impact on Power System Voltage Security. IEEE Transactions on Power Systems, 2021, 36, 5428-5440.	4.6	5
22	Power Coupling for Transient Stability and Electromagnetic Transient Collaborative Simulation of Power Grids. IEEE Transactions on Power Systems, 2021, 36, 5175-5184.	4.6	12
23	Dual Adaptive Nonlinear Droop Control of VSC-MTDC System for Improved Transient Stability and Provision of Primary Frequency Support. IEEE Access, 2021, 9, 76806-76815.	2.6	14
24	Corrections to "A Novel Wide-Area Control Strategy for Damping of Critical Frequency Oscillations via Modulation of Active Power Injections" [Jan 21 485-494]. IEEE Transactions on Power Systems, 2021, 36, 1660-1660.	4.6	0
25	PMU Based Frequency Regulation Paradigm for Multi-Area Power Systems Reliability Improvement. IEEE Transactions on Power Systems, 2021, 36, 4387-4399.	4.6	8
26	A Survey on FOPID Controllers for LFO Damping in Power Systems Using Synchronous Generators, FACTS Devices and Inverter-Based Power Plants. Energies, 2021, 14, 5983.	1.6	12
27	A reliable and cost-effective planning framework of rural area hybrid system considering intelligent weather forecasting. Energy Reports, 2021, 7, 5647-5666.	2.5	12
28	A deep learning based intelligent approach in detection and classification of transmission line faults. International Journal of Electrical Power and Energy Systems, 2021, 133, 107102.	3.3	44
29	Dynamic State Estimation for Power System Control and Protection. IEEE Transactions on Power Systems, 2021, 36, 5909-5921.	4.6	66
30	Performance Enhancement of Self-Cleaning Hydrophobic Nanocoated Photovoltaic Panels in a Dusty Environment. Energies, 2021, 14, 6800.	1.6	13
31	Sparse Signal Reconstruction on Fixed and Adaptive Supervised Dictionary Learning for Transient Stability Assessment. Energies, 2021, 14, 7995.	1.6	5
32	Spatial-Temporal Feature Learning in Smart Grids: A Case Study on Short-Term Voltage Stability Assessment. IEEE Transactions on Industrial Informatics, 2020, 16, 1470-1482.	7.2	34
33	PMU Signals Responses-Based RAS for Instability Mitigation Through On-The Fly Identification and Shedding of the Run-Away Generators. IEEE Transactions on Power Systems, 2020, 35, 1707-1717.	4.6	17
34	Voltage Security Constrained Stochastic Programming Model for Day-Ahead BESS Schedule in Co-Optimization of T&D Systems. IEEE Transactions on Sustainable Energy, 2020, 11, 391-404.	5.9	41
35	An adaptive filters based PMU algorithm for both steady-state and dynamic conditions in distribution networks. International Journal of Electrical Power and Energy Systems, 2020, 117, 105714.	3.3	9
36	Transmission and distribution co-simulation: a review and propositions. IET Generation, Transmission and Distribution, 2020, 14, 4631-4642.	1.4	25

#	ARTICLE	IF	CITATIONS
37	Hybrid Simulation and Off-the-Shelf Hardware for Efficient Real-Time Simulation Studies. , 2020, , .		0
38	A Corrective Integrated Transmission and Distribution Co-Simulation for Scenario Analysis of Different Technology Penetration. , 2020, , .		2
39	Interconnection-level primary frequency control by MBPSS with wind generation and evaluation of economic impacts. International Journal of Electrical Power and Energy Systems, 2020, 119, 105867.	3.3	4
40	An Extended Optimal Transmission Switching Algorithm Adapted for Large Networks and Hydro-Electric Context. IEEE Access, 2020, 8, 87762-87774.	2.6	11
41	Assessment of Ancillary Services Provided by a Bidirectional Capacitorless Charger for Electric Vehicles. , 2020, , .		4
42	Online PMU-Based Wide-Area Damping Control for Multiple Inter-Area Modes. IEEE Transactions on Smart Grid, 2020, 11, 5451-5461.	6.2	35
43	Guest Editorial: Modeling and Simulation Methods for Analysis and Design of Advanced Energy Conversion Systems. IEEE Transactions on Energy Conversion, 2020, 35, 309-311.	3.7	0
44	Learning adaptive fuzzy droop of PV contribution to frequency excursion of hybrid micro-grid during parameters uncertainties. International Journal of Electrical Power and Energy Systems, 2020, 123, 106305.	3.3	20
45	Risk averse energy management strategy in the presence of distributed energy resources considering distribution network reconfiguration: an information gap decision theory approach. IET Renewable Power Generation, 2020, 14, 305-312.	1.7	20
46	Coherency Identification for Wind-Integrated Power System Using Virtual Synchronous Motion Equation. IEEE Transactions on Power Systems, 2020, 35, 2619-2630.	4.6	15
47	Scenario-Wise Distributionally Robust Optimization for Collaborative Intermittent Resources and Electric Vehicle Aggregator Bidding Strategy. IEEE Transactions on Power Systems, 2020, 35, 3706-3718.	4.6	36
48	Adaptive Distributionally Robust Optimization for Electricity and Electrified Transportation Planning. IEEE Transactions on Smart Grid, 2020, 11, 4278-4289.	6.2	26
49	Calculating Impulse and Frequency Response of Large Power System Models for Realization Identification. IEEE Transactions on Power Systems, 2020, 35, 3825-3834.	4.6	7
50	Vulnerability Assessment in Power Systems: A Review and Representing Novel Perspectives. , 2020, , .		2
51	Introduction to synchrophasor measurements in modern power systems with renewables. , 2020, , 1-15.		0
52	Studing of storage system for Three-Terminal VSC-HVDC Link Connected Offshore Wind Farmse. , 2020, , .		3
53	Optimization Application in Integrated Transmission and Distribution Operation: Co-Simulation Approach. , 2020, , .		1
54	Rapid Design Method for Generating Power System Stability Databases in SPS for Machine Learning. , 2020, , .		0

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55	MPC and robustness optimisation-based EMS for microgrids with high penetration of intermittent renewable energy. IET Generation, Transmission and Distribution, 2020, 14, 5239-5248.	1.4	5
56	Coordinated G&T&P and carbon capture and storage expansion planning model for emission constrained power systems. IET Generation, Transmission and Distribution, 2020, 14, 6650-6662.	1.4	4
57	Advanced Controls to Improve Dynamic Stability Performance for Large Power Systems. , 2020, , .		0
58	Real-Time Multiple Event Detection and Classification in Power System Using Signal Energy Transformations. IEEE Transactions on Industrial Informatics, 2019, 15, 1521-1531.	7.2	75
59	Collaborative Simulation of Heterogeneous Components as a Means Toward a More Comprehensive Analysis of Smart Grids. , 2019, , .		7
60	Transformation of microgrid to virtual power plant – a comprehensive review. IET Generation, Transmission and Distribution, 2019, 13, 1994-2005.	1.4	97
61	Combined analysis of distribution-level PMU data with transmission-level PMU for early detection of long-term voltage instability. IET Generation, Transmission and Distribution, 2019, 13, 3634-3641.	1.4	8
62	Power System Dynamic State Estimation: Motivations, Definitions, Methodologies, and Future Work. IEEE Transactions on Power Systems, 2019, 34, 3188-3198.	4.6	417
63	A Spectrum Similarity Approach for Identifying Coherency Change Patterns in Power System Due to Variability in Renewable Generation. IEEE Transactions on Power Systems, 2019, 34, 3769-3779.	4.6	10
64	Improved deterministic reserve allocation method for multi-area unit scheduling and dispatch under wind uncertainty. Journal of Modern Power Systems and Clean Energy, 2019, 7, 1142-1154.	3.3	6
65	Optimal Robust Primary Frequency Response Control for Battery Energy Storage Systems. , 2019, , .		4
66	Toward a Reliability Model of Electric Vehicle Fleet for Power System Adequacy Assessment Considering Repairable AMIs. , 2019, , .		0
67	Model Predictive Control on Grid Connected Fifteen-Level Packed U-Cell (PUC15) Inverter. , 2019, , .		3
68	IC-GAMA: A Novel Framework for Integrated T&D Co-Simulation. , 2019, , .		6
69	A Quantile Regression-Based Approach for Online Probabilistic Prediction of Unstable Groups of Coherent Generators in Power Systems. IEEE Transactions on Power Systems, 2019, 34, 2240-2250.	4.6	16
70	Multi-stage bi-level linear model for low carbon expansion planning of multi-area power systems. IET Generation, Transmission and Distribution, 2019, 13, 9-20.	1.4	14
71	Standstill Frequency Response Test and Validation of a Large Hydrogenerator. IEEE Transactions on Power Systems, 2019, 34, 2261-2269.	4.6	15
72	A Loewner Interpolation Method for Power System Identification and Order Reduction. IEEE Transactions on Power Systems, 2019, 34, 1834-1844.	4.6	8

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73	Fundamental study of common mode small-signal frequency oscillations in power systems. International Journal of Electrical Power and Energy Systems, 2019, 106, 201-209.	3.3	26
74	Optimal Cost of Voltage Security Control Using Voltage Dependent Load Models in Presence of Demand Response. IEEE Transactions on Smart Grid, 2019, 10, 2383-2395.	6.2	27
75	Sparse and Resilient Hierarchical Direct Load Control for Primary Frequency Response Improvement and Inter-Area Oscillations Damping. IEEE Transactions on Power Systems, 2018, 33, 5309-5318.	4.6	31
76	A Hybrid Fault Cluster and Thevenin Equivalent Based Framework for Rotor Angle Stability Prediction. IEEE Transactions on Power Systems, 2018, 33, 5594-5603.	4.6	25
77	Time-Delay Analysis of Wide-Area Voltage Control Considering Smart Grid Contingences in a Real-Time Environment. IEEE Transactions on Industrial Informatics, 2018, 14, 1242-1252.	7.2	41
78	An Approach to Constructing Analytical Energy Function for Synchronous Generator Models With Subtransient Dynamics. IEEE Transactions on Power Systems, 2018, 33, 5958-5967.	4.6	8
79	Oscillatory stability assessment of microgrid in autonomous operation with uncertainties. IET Renewable Power Generation, 2018, 12, 494-504.	1.7	37
80	Development of New Predictors Based on the Concept of Center of Power for Transient and Dynamic Instability Detection. IEEE Transactions on Smart Grid, 2018, 9, 3605-3615.	6.2	35
81	Improved Optimal Decentralized Load Modulation for Power System Primary Frequency Regulation. IEEE Transactions on Power Systems, 2018, 33, 1013-1025.	4.6	36
82	Impact of Causality on Performance of Phasor Measurement Unit Algorithms. IEEE Transactions on Power Systems, 2018, 33, 1555-1565.	4.6	17
83	Closed-Form Modulation of a Dual-Active-Bridge Based Capacitorless Charger for Electric Vehicles. , 2018, , .		3
84	Online Grid Support Inverter Parameters Identification Using Extended Kalman Filters. , 2018, , .		2
85	Real-time Closed-loop PQ Control of NPC Multi-level Converter Using OPAL-RT and Speedgoat Simulators. , 2018, , .		7
86	Adaptive Control of a Three-Phase Dual Active Bridge Based for Electric Vehicles Charging. , 2018, , .		4
87	Synchrophasor-Based State Estimation for Microgrid Protection. , 2018, , .		3
88	Impact of Causality on Performance of Phasor Measurement Unit Algorithms. , 2018, , .		0
89	Application of $\hat{1}/4$ PMUs for adaptive protection of overcurrent relays in microgrids. IET Generation, Transmission and Distribution, 2018, 12, 4061-4068.	1.4	58
90	Stochastic Day-ahead Optimal BESSs' Allocation in T&D Systems: Co-Optimization Based Approach with Uncertainties. , 2018, , .		1

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91	Dynamic State Estimation of Full Power Plant Model from Terminal Phasor Measurements. , 2018, , .		6
92	Plug-in Electric Vehicle Planning Toward DDPP Constrained by Electricity Grid Limitation. , 2018, , .		2
93	Simscape Power Systems Benchmarks for Education and Research in Power Grid Dynamics and Control. , 2018, , .		16
94	Centralized Dynamic State Estimation Using a Federation of Extended Kalman Filters With Intermittent PMU Data From Generator Terminals. IEEE Transactions on Power Systems, 2018, 33, 6109-6119.	4.6	43
95	A novel approach for plug-in electric vehicle planning and electricity load management in presence of a clean disruptive technology. Energy, 2018, 158, 975-985.	4.5	18
96	Decentralized dynamic state estimation of doubly fed induction generator using terminal measurements. , 2018, , .		3
97	MOSOA-Based Multiobjective Design of Power Distribution Systems. IEEE Systems Journal, 2017, 11, 1182-1195.	2.9	7
98	A Fast State Estimator for Systems Including Limited Number of PMUs. IEEE Transactions on Power Systems, 2017, 32, 4329-4339.	4.6	33
99	Demand-Side Contribution to Power System Frequency Regulation : -A Critical Review on Decentralized Strategies. International Journal of Emerging Electric Power Systems, 2017, 18, .	0.6	12
100	Phasor measurement unit based wide-area monitoring and information sharing between micro-grids. IET Generation, Transmission and Distribution, 2017, 11, 1293-1302.	1.4	34
101	A comparative study of different multilevel converter topologies for Battery Energy Storage application. , 2017, , .		6
102	A novel approach for early detection of impending voltage collapse events based on the support vector machine. International Transactions on Electrical Energy Systems, 2017, 27, e2375.	1.2	4
103	Testing and validation of wide-area control of STATCOM using real-time digital simulator with hybrid HIL-SIL configuration. IET Generation, Transmission and Distribution, 2017, 11, 3039-3049.	1.4	15
104	Wide-area voltage control system of flexible AC transmission system devices to prevent voltage collapse. IET Generation, Transmission and Distribution, 2017, 11, 4556-4564.	1.4	13
105	Parameter validation for Kalman filter based dynamic state estimation of power plant dynamics. , 2017, , .		0
106	Adaptive wide-area primary frequency controller for improving power grid dynamic performance. , 2017, , .		1
107	An enhanced current control scheme for microgrids supporting inverters applications. , 2017, , .		2
108	Investigation of BESSs' benefits in transmission and distribution systems operations using integrated power grid co-optimization. , 2017, , .		3

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109	Dynamic performance improvement of New York state power grid with multi-functional multi-band power system stabiliser-based wide-area control. IET Generation, Transmission and Distribution, 2017, 11, 4537-4545.	1.4	22
110	Adaptive non-linear neural control of wide-area power systems. IET Generation, Transmission and Distribution, 2017, 11, 4531-4536.	1.4	8
111	Real-time electromagnetic transient and transient stability co-simulation based on hybrid line modelling. IET Generation, Transmission and Distribution, 2017, 11, 2983-2990.	1.4	18
112	Comparison between isolated and non-isolated DC/DC converters for bidirectional EV chargers. , 2017, , .		20
113	Power factor-based scheduling of distributed battery energy storage units optimally allocated in bulk power systems for mitigating marginal losses. IET Generation, Transmission and Distribution, 2016, 10, 1304-1311.	1.4	9
114	A market-based approach of OPF with consideration of voltage stability improvement. , 2016, , .		4
115	Fuzzy direct adaptive direct torque control of switched reluctance motors. , 2016, , .		4
116	Inter-area oscillation damping and primary frequency control of the New York state power grid with multi-functional multi-band power system stabilizers. , 2016, , .		13
117	V2G, G2V and active filter operation of a bidirectional battery charger for electric vehicles. , 2016, , .		30
118	Synchrophasor measurement-based fault location technique for multi-terminal multi-section non-homogeneous transmission lines. IET Generation, Transmission and Distribution, 2016, 10, 1815-1824.	1.4	20
119	A comparative study of different multilevel converter topologies for high power photovoltaic applications. , 2016, , .		13
120	Design and implementation of combined frequency/oscillation damping controller for type 4 wind turbines. , 2016, , .		3
121	Assessment of the functions achieved by a bidirectional charger of electric vehicles in smart grids. , 2016, , .		1
122	Application of Battery Energy Storage for network vulnerability mitigation. , 2016, , .		1
123	A novel approach for instability detection based on wide-area measurements and new predictors. , 2016, , .		4
124	Simulation-based investigation of optimal demand-side primary frequency regulation. , 2016, , .		4
125	Multi-area security-constrained unit commitment and reserve allocation with wind generators. , 2016, , .		2
126	Multi-contingency transient stability-constrained optimal power flow using multilayer feedforward neural networks. , 2016, , .		6



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127	Association rule mining to understand GMDs and their effects on power systems. , 2016, , .		0
128	Local and Wide-Area PMU-Based Decentralized Dynamic State Estimation in Multi-Machine Power Systems. IEEE Transactions on Power Systems, 2016, 31, 547-562.	4.6	195
129	Analytical Concepts for Reactive Power Based Primary Frequency Control in Power Systems. IEEE Transactions on Power Systems, 2016, 31, 4217-4230.	4.6	56
130	Situational awareness for the electrical power grid. IBM Journal of Research and Development, 2016, 60, 10:1-10:11.	3.2	12
131	Quasi-Steady-State Approach for Analysis of Frequency Oscillations and Damping Controller Design. IEEE Transactions on Power Systems, 2016, 31, 3212-3220.	4.6	44
132	Synchrophasors data analytics framework for power grid control and dynamic stability monitoring. Engineering & Technology Reference, 2016, , .	0.1	12
133	Optimal multi-objective allocation and scheduling of multiple battery energy storages for reducing daily marginal losses. , 2015, , .		4
134	Model-based tuning approach for multi-band power system stabilisers PSS4B using an improved modal performance index. IET Generation, Transmission and Distribution, 2015, 9, 2135-2143.	1.4	40
135	Combining multiple sources of data for situational awareness of geomagnetic disturbances. , 2015, , .		4
136	Reactive power control for improving primary frequency response in power systems. , 2015, , .		3
137	Open data IEEE test systems implemented in SimPowerSystems for education and research in power grid dynamics and control. , 2015, , .		81
138	Statistical approach for transient stability constrained optimal power flow. IET Generation, Transmission and Distribution, 2015, 9, 1856-1864.	1.4	17
139	Coherence verification of transmission line parameters with PMUs measurements at its ends. , 2015, , .		1
140	Multi-objective design of advanced power distribution networks using restricted population-based multi-objective seeker optimisation algorithm and fuzzy operator. IET Generation, Transmission and Distribution, 2015, 9, 1195-1215.	1.4	20
141	Coordinated design of active and reactive power modulation auxiliary loops of wind turbine generators for oscillation damping in power systems. , 2015, , .		7
142	PMU analytics for decentralized dynamic state estimation of power systems using the Extended Kalman Filter with Unknown Inputs. , 2015, , .		8
143	Simultaneous denoising and compression of power system disturbances using sparse representation on overcomplete hybrid dictionaries. IET Generation, Transmission and Distribution, 2015, 9, 1077-1088.	1.4	11
144	Detection and Classification of Power Quality Disturbances Using Sparse Signal Decomposition on Hybrid Dictionaries. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 27-38.	2.4	161

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145	Phase angles as predictors of network dynamic security limits and further implications. , 2014, , .		0
146	Synchrophasor based tracking of synchronous generator dynamic states using a fast EKF with unknown mechanical torque and field voltage. , 2014, , .		3
147	A Radial Path Building Algorithm for Optimal Feeder Planning of Primary Distribution Networks Considering Reliability Assessment. Electric Power Components and Systems, 2014, 42, 861-877.	1.0	14
148	A comparative study of VSC-OPF techniques for voltage security improvement and losses reduction. , 2014, , .		5
149	Synchrophasor Data Baseline and Mining for Online Monitoring of Dynamic Security Limits. IEEE Transactions on Power Systems, 2014, 29, 2681-2695.	4.6	41
150	Analysing the effects of different types of FACTS devices on the steady-state performance of the Hydro-Québec network. IET Generation, Transmission and Distribution, 2014, 8, 233-249.	1.4	34
151	Extended C37.118.1 PMU Algorithms for Joint Tracking of Fundamental and Harmonic Phasors in Stressed Power Systems and Microgrids. IEEE Transactions on Power Delivery, 2014, 29, 1465-1480.	2.9	88
152	Wide Frequency Range Adaptive Phasor and Frequency PMU Algorithms. IEEE Transactions on Smart Grid, 2014, 5, 569-579.	6.2	169
153	Reliability-constrained Based Optimal Placement and Sizing of Multiple Distributed Generators in Power Distribution Network Using Cat Swarm Optimization. Electric Power Components and Systems, 2014, 42, 149-164.	1.0	62
154	Understanding events for wide-area situational awareness. , 2014, , .		10
155	Fast approach for transient stability constrained optimal power flow based on dynamic reduction method. IET Generation, Transmission and Distribution, 2014, 8, 1293-1305.	1.4	21
156	Preventive control approach for voltage stability improvement using voltage stability constrained optimal power flow based on static line voltage stability indices. IET Generation, Transmission and Distribution, 2014, 8, 924-934.	1.4	96
157	A global approach to transient stability constrained optimal power flow using a machine detailed model. Canadian Journal of Electrical and Computer Engineering, 2013, 36, 32-41.	1.5	17
158	Optimal Integration of Disparate C37.118 PMUs in Wide-Area PSS With Electromagnetic Transients. IEEE Transactions on Power Systems, 2013, 28, 4760-4770.	4.6	35
159	Multiagent Stochastic Simulation of Minute-to-Minute Grid Operations and Control to Integrate Wind Generation Under AC Power Flow Constraints. IEEE Transactions on Sustainable Energy, 2013, 4, 619-629.	5.9	8
160	Compliance Analysis of PMU Algorithms and Devices for Wide-Area Stabilizing Control of Large Power Systems. IEEE Transactions on Power Systems, 2013, 28, 1766-1778.	4.6	96
161	Joint improvement of system loadability and stability through a multi-stage planning of a UPFC with a PMU-based supplementary damping control. , 2013, , .		6
162	Optimal placement of multiple-type FACTS devices to maximize power system loadability using a generic graphical user interface. IEEE Transactions on Power Systems, 2013, 28, 764-778.	4.6	218

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163	Hydro-Quebec's defense plan: Present and future. , 2013, , .		1
164	Preliminary Impacts of Wind Power Integration in the Hydro-Quebec System. Wind Engineering, 2012, 36, 35-52.	1.1	31
165	Differential energy based microgrid protection against fault conditions. , 2012, , .		41
166	Maximizing transmission capacity through a minimum set of distributed multi-type FACTS. , 2012, , .		12
167	Dynamic model of diesel generator set for hybrid wind-diesel small grids applications. , 2012, , .		25
168	Unscented Kalman filter for non-linear estimation of induction machine parameters. IET Electric Power Applications, 2012, 6, 611.	1.1	25
169	Control of grid-side inverter for isolated wind-diesel power plants using variable speed squirrel cage induction generator. , 2012, , .		3
170	Fuzzy direct torque control of switched reluctance motors. , 2012, , .		4
171	Long-Term Statistical Assessment of Frequency Regulation Reserves Policies in the Québec Interconnection. IEEE Transactions on Sustainable Energy, 2012, 3, 868-879.	5.9	6
172	Development of a portable software tool for time domain modal analysis. , 2012, , .		1
173	Reactive power management modeling of an autonomous Wind-Diesel Power plant. , 2012, , .		6
174	On the Accuracy Versus Transparency Trade-Off of Data-Mining Models for Fast-Response PMU-Based Catastrophe Predictors. IEEE Transactions on Smart Grid, 2012, 3, 152-161.	6.2	137
175	Determination of Synchronous Generator Parameters from Time-variant Analytical Load-rejection Curve Fitting. Electric Power Components and Systems, 2011, 39, 1019-1030.	1.0	2
176	Simultaneous state and input estimation of a synchronous machine using the Extended Kalman Filter with unknown inputs. , 2011, , .		12
177	Cross-Identification of Synchronous Generator Parameters From RTDR Test Time-Domain Analytical Responses. IEEE Transactions on Energy Conversion, 2011, 26, 776-786.	3.7	32
178	Dynamic State Estimation in Power System by Applying the Extended Kalman Filter With Unknown Inputs to Phasor Measurements. IEEE Transactions on Power Systems, 2011, 26, 2556-2566.	4.6	359
179	Robust Detection and Analysis of Power System Oscillations Using the Teager-Kaiser Energy Operator. IEEE Transactions on Power Systems, 2011, 26, 323-333.	4.6	105
180	Adaptive Phasor and Frequency-Tracking Schemes for Wide-Area Protection and Control. IEEE Transactions on Power Delivery, 2011, 26, 744-753.	2.9	148

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181	Development of a predictive out of step relay using model based design. , 2011, , .		1
182	Online State Estimation of a Synchronous Generator Using Unscented Kalman Filter From Phasor Measurements Units. IEEE Transactions on Energy Conversion, 2011, 26, 1099-1108.	3.7	270
183	Development of a predictive out of step relay using model based design. , 2011, , .		4
184	Catastrophe Predictors From Ensemble Decision-Tree Learning of Wide-Area Severity Indices. IEEE Transactions on Smart Grid, 2010, 1, 144-158.	6.2	154
185	Selection of input/output signals for wide area control loops. , 2010, , .		17
186	A Power Oscillation Damping Control Scheme Based on Bang-Bang Modulation of FACTS Signals. IEEE Transactions on Power Systems, 2010, 25, 1918-1927.	4.6	34
187	Advanced Modeling of a Synchronous Generator Under Line-Switching and Load-Rejection Tests for Isolated Grid Applications. IEEE Transactions on Energy Conversion, 2010, 25, 680-689.	3.7	8
188	A Fuzzy Rule-Based Approach for Islanding Detection in Distributed Generation. IEEE Transactions on Power Delivery, 2010, 25, 1427-1433.	2.9	184
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