

# Luigi Vanfretti

## List of Publications by Year in descending order

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207  
papers

2,826  
citations

304743

22  
h-index

302126

39  
g-index

207  
all docs

207  
docs citations

207  
times ranked

2052  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-Domain Modeling and Simulation of High-Temperature Superconducting Transmission Lines Under Short-Circuit Fault Conditions. IEEE Transactions on Transportation Electrification, 2022, 8, 3859-3869.	7.8	6
2	Phase and Amplitude Synchronization in Power-Grid Frequency Fluctuations in the Nordic Grid. IEEE Access, 2022, 10, 18065-18073.	4.2	5
3	Experiences with Dynamical Mode Decomposition for Wide-Area Mode Estimation. , 2022, , .		1
4	Validation of power plant models using field data with application to the Mostar hydroelectric plant. International Journal of Electrical Power and Energy Systems, 2022, 142, 108364.	5.5	1
5	Adaptive Passivity Compensation of Grid-following MMC for Stable Grid Integration. IEEE Transactions on Industry Applications, 2022, , 1-8.	4.9	0
6	Analysis of STATCOM Oscillations using Ambient Synchrophasor Data in Dominion Energy. , 2022, , .		6
7	A Reconfigurable Synchrophasor Synchronization Gateway & Controller Architecture for DERs. , 2022, , .		1
8	A Software Toolchain for Real-Time Testing of Synchrophasor Algorithms in MATLAB. , 2022, , .		0
9	RaPIId - A Parameter Estimation Toolbox for Modelica/FMI-Based Models Exploiting Global Optimization Methods. IFAC-PapersOnLine, 2021, 54, 391-396.	0.9	2
10	A Mobile Test-Bed for Synchrophasor Technologies Teaching and Demonstration. , 2021, , .		2
11	FluxPMU - A Maker's Guide of a DIY Synchronized Phasor Measurement Unit. , 2021, , .		0
12	A time-sensitive networking-enabled synchronized three-phase and phasor measurement-based monitoring system for microgrids. IET Cyber-Physical Systems: Theory and Applications, 2021, 6, 1-11.	3.3	5
13	Probing signal design for enhanced damping estimation in power networks. International Journal of Electrical Power and Energy Systems, 2021, 129, 106640.	5.5	3
14	Parameter Estimation and Model Validation of Quanser AERO using Modelica and RaPIId. , 2021, , .		0
15	Synchrophasor Phase Angle Data Unwrapping Using an Unscented Kalman Filter. IEEE Transactions on Power Systems, 2021, 36, 4868-4871.	6.5	8
16	A PMU-Based Control Scheme for Islanded Operation and Re-synchronization of DER. International Journal of Electrical Power and Energy Systems, 2021, 133, 107217.	5.5	2
17	Precision timing and communication networking experiments in a real-time power grid hardware-in-the-loop laboratory. Sustainable Energy, Grids and Networks, 2021, , 100549.	3.9	3
18	Automated Design of Realistic Contingencies for Big Data Generation. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	A Novel Method for Despiking Spectra from Synchrophasor Measurements. , 2021, , .		2
20	Time Series-Based Small-Signal Stability Assessment using Deep Learning. , 2021, , .		9
21	Enhanced Power System Damping Estimation via Optimal Probing Signal Design. , 2020, , .		1
22	Automated Design of Realistic Contingencies for Big Data Generation. IEEE Transactions on Power Systems, 2020, 35, 4968-4971.	6.5	6
23	Decision tree-based classification of multiple operating conditions for power system voltage stability assessment. International Journal of Electrical Power and Energy Systems, 2020, 123, 106251.	5.5	41
24	Fault detection method in subsea power distribution systems using statistical optimisation. IET Energy Systems Integration, 2020, 2, 144-150.	1.8	4
25	Experimental Testing of a Real-Time Implementation of a PMU-Based Wide-Area Damping Control System. IEEE Access, 2020, 8, 25800-25810.	4.2	12
26	Software requirements for interoperable and standard-based power system modeling tools. Simulation Modelling Practice and Theory, 2020, 103, 102095.	3.8	5
27	Decision Trees for Voltage Stability Assessment. , 2020, , .		0
28	Synthetic Training Data Generation for ML-based Small-Signal Stability Assessment. , 2020, , .		6
29	Design and real-time implementation of a PMU-based adaptive auto-reclosing scheme for distribution networks. International Journal of Electrical Power and Energy Systems, 2019, 105, 37-45.	5.5	17
30	Automated Parameter Identification and Calibration for the Itaipu Power Generation System using Modelica, FMI, and RaPid. , 2019, , .		1
31	Cyber-physical microgrid components fault prognosis using electromagnetic sensors. IET Cyber-Physical Systems: Theory and Applications, 2019, 4, 173-178.	3.3	6
32	Measurement-Based Network Clustering for Active Distribution Systems. IEEE Transactions on Smart Grid, 2019, 10, 6714-6723.	9.0	12
33	Over Current Relay Modeling using Modelica with Cross-Verification against a Validated Model. , 2019, , .		2
34	Multi-Level Time-Sensitive Networking (TSN) Using the Data Distribution Services (DDS) for Synchronized Three-Phase Measurement Data Transfer. IEEE Access, 2019, 7, 131407-131417.	4.2	23
35	CIM-2-mod: A CIM to modelica mapping and model-2-model transformation engine. SoftwareX, 2019, 9, 161-167.	2.6	2
36	Modeling of PMU-Based Islanded Operation Controls for Power Distribution Networks using Modelica and OpenIPSL. , 2019, , .		3

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37	DAE Solvers for Large-Scale Hybrid Models. , 2019, , .		10
38	Technique for pre-compliance testing of phasor measurement units. International Journal of Electrical Power and Energy Systems, 2018, 99, 323-330.	5.5	12
39	Experimental Validation of a Steady State Model Synthesis Method for a Three-Phase Unbalanced Active Distribution Network Feeder. IEEE Access, 2018, 6, 4042-4053.	4.2	8
40	CIM-Compliant Power System Dynamic Model-to-Model Transformation and Modelica Simulation. IEEE Transactions on Industrial Informatics, 2018, 14, 3989-3996.	11.3	16
41	Analyzing the Static Security Functions of a Power System Dynamic Security Assessment Toolbox. International Journal of Electrical Power and Energy Systems, 2018, 101, 323-330.	5.5	14
42	Pseudo-Dynamic Network Modeling for PMU-Based State Estimation of Hybrid AC/DC Grids. IEEE Access, 2018, 6, 4006-4016.	4.2	16
43	Utilizing synchrophasor-based supplementary damping control signals in conventional generator excitation systems. Electric Power Systems Research, 2018, 157, 157-167.	3.6	7
44	OpenIPSL: Open-Instance Power System Library " Update 1.5 to " Tesla Power Systems Library (iPSL): A Modelica library for phasor time-domain simulations" SoftwareX, 2018, 7, 34-36.	2.6	43
45	Vulnerability of Synchrophasor-Based WAMPAC Applications" to Time Synchronization Spoofing. IEEE Transactions on Smart Grid, 2018, 9, 4601-4612.	9.0	63
46	Vulnerability of Synchrophasor-based WAMPAC Applications" to Time Synchronization Spoofing. , 2018, , .		3
47	A Method to Estimate Power System Voltage Stability Margins Using Time-Series From Dynamic Simulations With Sequential Load Perturbations. IEEE Access, 2018, 6, 43622-43632.	4.2	9
48	Multi-Domain Semantic Information and Physical Behavior Modeling of Power Systems and Gas Turbines Expanding the Common Information Model. IEEE Access, 2018, 6, 72663-72674.	4.2	7
49	PMU-Based Estimation of Synchronous Machines" Unknown Inputs Using a Nonlinear Extended Recursive Three-Step Smoother. IEEE Access, 2018, 6, 57123-57136.	4.2	9
50	The STRONgrid library: A modular and extensible software library for IEEE C37.118.2 compliant synchrophasor data mediation. SoftwareX, 2018, 7, 281-286.	2.6	4
51	Audur" A platform for synchrophasor-based power system wide-area control system implementation. SoftwareX, 2018, 7, 294-301.	2.6	3
52	Modeling and simulation of a hybrid single-phase/three-phase system in modelica. , 2018, , .		2
53	Dynamic Th"venin equivalent and reduced network models for PMU-based power system voltage stability analysis. Sustainable Energy, Grids and Networks, 2018, 16, 126-135.	3.9	4
54	PMU-assisted overcurrent protection for distribution feeders employing Solid State Transformers. Sustainable Energy, Grids and Networks, 2017, 10, 26-34.	3.9	15

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55	Feeder dynamic rating application for active distribution network using synchrophasors. Sustainable Energy, Grids and Networks, 2017, 10, 35-45.	3.9	7
56	A WACS exploiting generator Excitation Boosters for power system transient stability enhancement. Electric Power Systems Research, 2017, 148, 245-253.	3.6	9
57	An open data repository and a data processing software toolset of an equivalent Nordic grid model matched to historical electricity market data. Data in Brief, 2017, 11, 349-357.	1.0	20
58	Interpreting and implementing IEC 61850-90-5 Routed-Sampled Value and Routed-GOOSE protocols for IEEE C37.118.2 compliant wide-area synchrophasor data transfer. Electric Power Systems Research, 2017, 144, 255-267.	3.6	23
59	BabelFish – Tools for IEEE C37.118.2-compliant real-time synchrophasor data mediation. SoftwareX, 2017, 6, 209-216.	2.6	10
60	Calibration and sensitivity analysis of upper level VSC-HVDC controls. , 2017, , .		0
61	A method exploiting direct communication between phasor measurement units for power system wide-area protection and control algorithms. MethodsX, 2017, 4, 346-359.	1.6	3
62	Real-Time Reduced Steady-State Model Synthesis of Active Distribution Networks Using PMU Measurements. IEEE Transactions on Power Delivery, 2017, 32, 546-555.	4.3	31
63	An active distribution network model for smart grid control and protection studies – Model validation progress. , 2017, , .		6
64	Experimental real-time testing of a decentralized PMU data-based power systems mode estimator. , 2017, , .		3
65	Identifying low-order frequency-dependent transmission line model parameters. , 2017, , .		0
66	Enhancing engineering studies in developing countries using OpenModelica. , 2017, , .		3
67	Extracting Steady State Components from Synchrophasor Data Using Kalman Filters. Energies, 2016, 9, 315.	3.1	10
68	Towards automated power system model transformation for multi-TSO phasor time domain simulations using Modelica. , 2016, , .		7
69	Decoupled voltage stability assessment of distribution networks using synchrophasors. , 2016, , .		5
70	Delay-free parallelization for real-time simulation of a large active distribution grid model. , 2016, , .		13
71	RT-HIL hardware prototyping of synchrophasor and active load-based power system oscillation damping controllers. , 2016, , .		1
72	Optimal PMU placement for power system ambient data-based mode estimation applications. , 2016, , .		1

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73	“In silico”™ testing of a decentralized PMU data-based power systems mode estimator. , 2016, , .		5
74	An IEC 61850-90-5 gateway for IEEE C37.118.2 synchrophasor data transfer. , 2016, , .		7
75	RT-HIL implementation of hybrid synchrophasor and GOOSE-based passive islanding schemes. , 2016, , .		3
76	Voltage control-based ancillary service using thermostatically controlled loads. , 2016, , .		8
77	RaPid: A modular and extensible toolbox for parameter estimation of Modelica and FMI compliant models. SoftwareX, 2016, 5, 144-149.	2.6	10
78	A Hybrid Synchrophasor and GOOSE-Based Power System Synchronization Scheme. IEEE Access, 2016, 4, 4659-4668.	4.2	13
79	“In silico”™ testing of a real-time PMU-based tool for power system mode estimation. , 2016, , .		2
80	Impact of time-synchronization signal loss on PMU-based WAMPAC applications. , 2016, , .		15
81	iTesla Power Systems Library (iPSL): A Modelica library for phasor time-domain simulations. SoftwareX, 2016, 5, 84-88.	2.6	47
82	Optimal Signal Selection for Power System Ambient Mode Estimation Using a Prediction Error Criterion. IEEE Transactions on Power Systems, 2016, 31, 2621-2633.	6.5	13
83	A Phasor Measurement Unit Based Fast Real-time Oscillation Detection Application for Monitoring Wind-farm-to-grid Sub“synchronous Dynamics. Electric Power Components and Systems, 2016, 44, 123-134.	1.8	18
84	RT-HIL Implementation of the Hybrid Synchrophasor and GOOSE-Based Passive Islanding Schemes. IEEE Transactions on Power Delivery, 2016, 31, 1299-1309.	4.3	83
85	RT-HIL testing of an excitation control system for oscillation damping using external stabilizing signals. , 2015, , .		4
86	Model order selection for probing-based power system mode estimation. , 2015, , .		2
87	Bayesian Parameter Estimation of Power System Primary Frequency Controls under Modeling Uncertainties. IFAC-PapersOnLine, 2015, 48, 461-465.	0.9	6
88	RT-SIL performance analysis of synchrophasor-and-active load-based power system damping controllers. , 2015, , .		3
89	Software architecture development and implementation of a synchrophasor-based real-time oscillation damping control system. , 2015, , .		2
90	An experimental setup for testing synchrophasor-based Damping control systems. , 2015, , .		1

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91	Equation-based modeling of FACTS using Modelica. , 2015, , .		4
92	A method for extracting steady state components from Synchrophasor data using Kalman Filters. , 2015, , .		6
93	Using PMU signals from dominant paths in power system wide-area damping control. Sustainable Energy, Grids and Networks, 2015, 4, 16-28.	3.9	10
94	Aspects of power system modeling, initialization and simulation using the Modelica language. , 2015, , .		6
95	A PMU-based state estimator for networks containing VSC-HVDC links. , 2015, , .		5
96	Binding CIM and modelica for consistent power system dynamic model exchange and simulation. , 2015, , .		7
97	Laboratory test set-up for the assessment of PMU time synchronization requirements. , 2015, , .		5
98	PMU-based real-time damping control system software and hardware architecture synthesis and evaluation. , 2015, , .		12
99	Generic VSC-based DC Grid EMT modeling, simulation, and validation on a scaled hardware platform. , 2015, , .		1
100	Multiphase unbalanced power flow and fault analysis of distribution networks with high penetration of inverter-interfaced DERs. , 2015, , .		0
101	Towards consistent model exchange and simulation of VSC-HVdc controls for EMT studies. , 2015, , .		1
102	Preprocessing synchronized phasor measurement data for spectral analysis of electromechanical oscillations in the Nordic Grid. International Transactions on Electrical Energy Systems, 2015, 25, 348-358.	1.9	33
103	Consensus-based course design and implementation of constructive alignment theory in a power system analysis course. European Journal of Engineering Education, 2015, 40, 206-221.	2.3	2
104	Specification, implementation, and hardware-in-the-loop real-time simulation of an active distribution grid. Sustainable Energy, Grids and Networks, 2015, 3, 36-51.	3.9	35
105	Static stability indexes for classification of power system time-domain simulations. , 2015, , .		8
106	A PMU-based state estimator considering classic HVDC links under different control modes. Sustainable Energy, Grids and Networks, 2015, 2, 69-82.	3.9	13
107	Applications of Real-Time Simulation Technologies in Power and Energy Systems. IEEE Power and Energy Technology Systems Journal, 2015, 2, 103-115.	2.8	149
108	Experiences with dynamic PMU compliance testing using standard relay testing equipment. , 2015, , .		7

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109	Challenges of real-time parameter estimation of a DFIG using synchrophasors. , 2015, , .		0
110	A PMU-based state estimator for networks containing FACTS devices. , 2015, , .		3
111	Equation-based modeling of three-winding and regulating transformers using Modelica. , 2015, , .		3
112	Performance assessment of PMU-based estimation Methods of Thevenin Equivalentents for real-time voltage stability monitoring. , 2015, , .		15
113	A PMU-based fast real-time sub-synchronous oscillation detection application. , 2015, , .		13
114	Validation experiment design of a PMU-based application for detection of sub-synchronous oscillations. , 2015, , .		1
115	Assessment of time synchronization requirements for Phasor Measurement Units. , 2015, , .		20
116	Real-time data mediation for synchrophasor application development compliant with IEEE C37.118.2. , 2015, , .		7
117	A Quantitative Method to Determine ICT Delay Requirements for Wide-Area Power System Damping Controllers. IEEE Transactions on Power Systems, 2015, 30, 2023-2030.	6.5	20
118	Computing sensitivities from synchrophasor data for voltage stability monitoring and visualization. International Transactions on Electrical Energy Systems, 2015, 25, 933-947.	1.9	5
119	A small-signal stability index for power system dynamic impact assessment using time-domain simulations. , 2014, , .		5
120	Monitoring and Control of Renewable Energy Sources using Synchronized Phasor Measurements. , 2014, , 413-428.		3
121	A quantitative method for the assessment of VSC-HVdc controller simulations in EMT tools. , 2014, , .		6
122	A three-layer severity index for power system voltage stability assessment using time-series from dynamic simulations. , 2014, , .		8
123	Specification and implementation of a reference grid for distribution network dynamics studies. , 2014, , .		1
124	A Modelica-based execution and simulation engine for automated power system model validation. , 2014, , .		5
125	Analysis of time delay effects for wide-area damping control design using dominant path signals. , 2014, , .		8
126	Experimental performance assessment of a generator's excitation control system using real-time hardware-in-the-loop simulation. , 2014, , .		2



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127	Synchrophasor network, laboratory and software applications developed in the STRONG <sup>2</sup> rid project. , 2014, , .		18
128	Open source SCADA implementation and PMU integration for power system monitoring and control applications. , 2014, , .		17
129	Generic VSC and low level switching control models for offline simulation of VSC-HVDC systems. , 2014, , .		5
130	Inclusion of classic HVDC links in a PMU-based state estimator. , 2014, , .		11
131	Implementation of conventional and phasor based power system stabilizing controls for real-time simulation. , 2014, , .		5
132	Power-System Ambient-Mode Estimation Considering Spectral Load Properties. IEEE Transactions on Power Systems, 2014, 29, 1133-1143.	6.5	25
133	An efficient automated topology processor for state estimation of power transmission networks. Electric Power Systems Research, 2014, 106, 188-202.	3.6	14
134	Validating a real-time PMU-based application for monitoring of sub-synchronous wind farm oscillations. , 2014, , .		5
135	Generic high level VSC-HVDC grid controls and test systems for offline and real time simulation. , 2014, , .		4
136	Experiences with steady-state PMU compliance testing using standard relay testing equipment. , 2014, , .		15
137	Hybrid Nearest Level and open loop control of modular multilevel converters. , 2014, , .		11
138	Implementation and testing of a real-time mode estimation algorithm using ambient PMU data. , 2014, , .		3
139	Power system model identification exploiting the Modelica language and FMI technologies. , 2014, , .		12
140	Coherency-Independent Structured Model Reduction of Power Systems. IEEE Transactions on Power Systems, 2014, 29, 2418-2426.	6.5	38
141	Smart Transmission Grids Vision for Europe: Towards a Realistic Research Agenda. Green Energy and Technology, 2014, , 185-220.	0.6	0
142	A Modelica Power System Component Library for Model Validation and Parameter Identification. , 2014, , .		6
143	The OpenPMU Platform for Open-Source Phasor Measurements. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 701-709.	4.7	108
144	Identification of Power System Dominant Inter-Area Oscillation Paths. IEEE Transactions on Power Systems, 2013, 28, 2798-2807.	6.5	40

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145	A MATLAB-based PMU simulator. , 2013, , .		22
146	A modelica power system library for phasor time-domain simulation. , 2013, , .		18
147	A software development toolkit for real-time synchrophasor applications. , 2013, , .		45
148	Evaluating Constructive Alignment Theory Implementation in a Power Systems Analysis Course Through Repertory Grids. IEEE Transactions on Education, 2013, 56, 443-452.	2.4	4
149	Power flow solution for multiphase unbalanced distribution networks with high penetration of photovoltaics. , 2013, , .		2
150	Coordination assessment of overcurrent relays in distribution feeders with high penetration of PV systems. , 2013, , .		11
151	PMU-based voltage instability detection through linear regression. , 2013, , .		2
152	Approximating a post-contingency stable operation region in parameter space through time-domain simulation. , 2013, , .		2
153	Spectral estimation of low-frequency oscillations in the Nordic grid using ambient synchrophasor data under the presence of forced oscillations. , 2013, , .		18
154	Performance evaluation of protection functions for IEC 61850-9-2 process bus using real-time hardware-in-the-loop simulation approach. , 2013, , .		5
155	Analysis of communication network challenges for synchrophasor-based wide-area applications. , 2013, , .		13
156	Testing and validation of a fast real-time oscillation detection PMU-based application for wind-farm monitoring. , 2013, , .		14
157	Automatic triggering of the interconnection between Mexico and central America using discrete control schemes. , 2013, , .		6
158	Phasor-assisted automated topology processing for state estimators. , 2013, , .		4
159	The OpenPMU Project: Challenges and perspectives. , 2013, , .		15
160	Unambiguous power system dynamic modeling and simulation using modelica tools. , 2013, , .		25
161	Interarea Mode Analysis for Large Power Systems Using Synchrophasor Data. Power Electronics and Power Systems, 2013, , 259-295.	0.6	4
162	Implementing constructive alignment theory in a power system analysis course using a consensus model. , 2012, , .		1

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163	Voltage stability monitoring using sensitivities computed from synchronized phasor measurement data. , 2012, , .		9
164	Virtualization of synchronized phasor measurement units within real-time simulators for smart grid applications. , 2012, , .		28
165	Structured model reduction of power systems. , 2012, , .		7
166	Persistence of Multiple Interaction Paths for Individual Inter-Area Modes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 14-19.	0.4	2
167	On the Persistence of Dominant Inter-Area Oscillation Paths in Large-Scale Power Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 150-155.	0.4	5
168	Applications of Spectral Analysis Techniques for Estimating the Nordic Grid's Low Frequency Electromechanical Oscillations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1001-1006.	0.4	8
169	Facilitating Constructive Alignment in Power Systems Engineering Education Using Free and Open-Source Software. IEEE Transactions on Education, 2012, 55, 309-318.	2.4	23
170	State-of-the-art of topology processors for EMS and PMU applications and their limitations. , 2012, , .		6
171	Smarts Lab &#x2014; A laboratory for developing applications for WAMPAC Systems. , 2012, , .		34
172	OpenPMU technology platform for Synchrophasor research applications. , 2012, , .		9
173	Effects of forced oscillations in power system damping estimation. , 2012, , .		39
174	Mitigating system's voltage instability through wide-area early warning signals and real-time HVDC control. , 2012, , .		3
175	Over-current relay model implementation for real time simulation &#amp; Hardware-in-the-Loop (HIL) validation. , 2012, , .		51
176	Structured power system model reduction of non-coherent areas. , 2012, , .		3
177	Development and implementation of a Nordic grid model for Power System small-signal and transient stability studies in a free and open source software. , 2012, , .		35
178	Real-time implementation of an Automatic Voltage Stabilizer for HVDC Control. , 2012, , .		2
179	Utilizing synchrophasor-based protection systems with VSC-HVDC controls to mitigate voltage instability. , 2012, , .		2
180	Decentralized topology inference of electrical distribution networks. , 2012, , .		8

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181	Wide-Area Power Oscillation Damper implementation and testing in the Norwegian transmission network. , 2012, , .		44
182	State-of-the-art in the industrial implementation of protective relay functions, communication mechanism and synchronized phasor capabilities for electric power systems protection. Renewable and Sustainable Energy Reviews, 2012, 16, 4385-4395.	16.4	11
183	Modelling and dynamic analysis of offshore wind farms according to the French TSO grid code. , 2012, , .		0
184	A fundamental study on damping control design using PMU signals from dominant inter-area oscillation paths. , 2012, , .		11
185	Modeling of custom hydro turbine and governor models for real-time simulation. , 2012, , .		4
186	Detailed modelling, implementation and simulation of an "all-in-one" stability test system including power system protective devices. Simulation Modelling Practice and Theory, 2012, 23, 36-59.	3.8	8
187	Development and implementation of hydro turbine and governor models in a free and open source software package. Simulation Modelling Practice and Theory, 2012, 24, 84-102.	3.8	25
188	Triggering the deep learning approach in power system courses using Free and Open Source Software. , 2011, , .		3
189	Implementation of an experimental wide-area monitoring platform for development of synchronized phasor measurement applications. , 2011, , .		15
190	A smart transmission grid for Europe: Research challenges in developing grid enabling technologies. , 2011, , .		17
191	A Phasor-Data-Based State Estimator Incorporating Phase Bias Correction. IEEE Transactions on Power Systems, 2011, 26, 111-119.	6.5	90
192	Application of ambient analysis techniques for the estimation of electromechanical oscillations from measured PMU data in four different power systems. European Transactions on Electrical Power, 2011, 21, 1640-1656.	1.0	75
193	Survey on power system stabilizers control and their prospective applications for power system damping using Synchrophasor-based wide-area systems. European Transactions on Electrical Power, 2011, 21, 2098-2111.	1.0	47
194	Individual Channel Analysis of the Thyristor-Controlled Series Compensator Performance. International Journal of Emerging Electric Power Systems, 2010, 11, .	0.8	1
195	Coordination of protection and VSC-HVDC systems for mitigating cascading failures. , 2010, , .		6
196	Analysis of power system oscillations for developing synchrophasor data applications. , 2010, , .		21
197	Experience with PSAT (Power System Analysis Toolbox) as Free and Open-Source Software for Power System Education and Research. International Journal of Electrical Engineering and Education, 2010, 47, 47-62.	0.8	18
198	Estimation of Eastern Denmark's electromechanical modes from ambient phasor measurement data. , 2010, , .		13

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199	Computation and analysis of power system voltage oscillations from interarea modes. , 2009, , .		5
200	A framework for estimation of power systems based on synchronized phasor measurement data. , 2009, , .		11
201	State of the art and future of OSS for power systems. , 2009, , .		30
202	System frequency monitoring in the Nigerian power system. , 2009, , .		2
203	Preliminary synchronized phasor data analysis of disturbance events in the US Eastern Interconnection. , 2009, , .		18
204	An Open Source Power System Virtual Laboratory: The PSAT Case and Experience. IEEE Transactions on Education, 2008, 51, 17-23.	2.4	125
205	Estimation of Radial Power System Transfer Path Dynamic Parameters Using Synchronized Phasor Data. IEEE Transactions on Power Systems, 2008, 23, 564-571.	6.5	59
206	Application of the PSAT, an Open Source Software, for Educational and Research Purposes. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	38
207	Voltage Stability Analysis of a Multiple-Infeed Load Center Using Phasor Measurement Data. , 2006, , .		42