Luigi Vanfretti

List of Publications by Year
in descending order

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207	2,826	304743	302126
papers	citations	22 h-index	39 g-index

207	207	207	2052
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	An Open Source Power System Virtual Laboratory: The PSAT Case and Experience. IEEE Transactions on Education, 2008, 51, 17-23.	2.4	125
3	The OpenPMU Platform for Open-Source Phasor Measurements. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 701-709.	4.7	108
4	A Phasor-Data-Based State Estimator Incorporating Phase Bias Correction. IEEE Transactions on Power Systems, 2011, 26, 111-119.	6.5	90
5	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
6	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
7	Vulnerability of Synchrophasor-Based WAMPAC Applicationsâ€™ to Time Synchronization Spoofing. IEEE Transactions on Smart Grid, 2018, 9, 4601-4612.	9.0	63
8	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
9	Over-current relay model implementation for real time simulation & Hardware-in-the-Loop (HIL) validation. , 2012, , .		51
10	Survey on power system stabilizers control and their prospective applications for power system damping using Synchrophasorâ€based wideâ€area systems. European Transactions on Electrical Power, 2011, 21, 2098-2111.	1.0	47
11	iTesla Power Systems Library (iPSL): A Modelica library for phasor time-domain simulations. SoftwareX, 2016, 5, 84-88.	2.6	47
12	A software development toolkit for real-time synchrophasor applications. , 2013, , .		45
13	Wide-Area Power Oscillation Damper implementation and testing in the Norwegian transmission network. , 2012, , .		44
14	OpenIPSL: Open-Instance Power System Library â€" Update 1.5 to â€œiTesla Power Systems Library (iPSL): A Modelica library for phasor time-domain simulationsâ€• SoftwareX, 2018, 7, 34-36.	2.6	43
15	Voltage Stability Analysis of a Multiple-Infeed Load Center Using Phasor Measurement Data. , 2006, , .		42
16	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
17	Identification of Power System Dominant Inter-Area Oscillation Paths. IEEE Transactions on Power Systems, 2013, 28, 2798-2807.	6.5	40
18	Effects of forced oscillations in power system damping estimation. , 2012, , .		39

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19	Application of the PSAT, an Open Source Software, for Educational and Research Purposes. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	38
20	Coherency-Independent Structured Model Reduction of Power Systems. IEEE Transactions on Power Systems, 2014, 29, 2418-2426.	6.5	38
21	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
22	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
23	SmarTS Lab — A laboratory for developing applications for WAMPAC Systems. , 2012, , .		34
24	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
25	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
26	State of the art and future of OSS for power systems. , 2009, , .		30
27	Virtualization of synchronized phasor measurement units within real-time simulators for smart grid applications. , 2012, , .		28
28	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
29	Unambiguous power system dynamic modeling and simulation using modelica tools. , 2013, , .		25
30	Power-System Ambient-Mode Estimation Considering Spectral Load Properties. IEEE Transactions on Power Systems, 2014, 29, 1133-1143.	6.5	25
31	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
32	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
33	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
34	A MATLAB-based PMU simulator. , 2013, , .		22
35	Analysis of power system oscillations for developing synchrophasor data applications. , 2010, , .		21
36	Assessment of time synchronization requirements for Phasor Measurement Units. , 2015, , .		20

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37	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
38	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
39	Preliminary synchronized phasor data analysis of disturbance events in the US Eastern Interconnection. , 2009, , .		18
40	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
41	A modelica power system library for phasor time-domain simulation. , 2013, , .		18
42	Spectral estimation of low-frequency oscillations in the Nordic grid using ambient synchrophasor data under the presence of forced oscillations. , 2013, , .		18
43	Synchrophasor network, laboratory and software applications developed in the STRONg²rid project. , 2014, , .		18
44	A Phasor Measurement Unit Based Fast Real-time Oscillation Detection Application for Monitoring Wind-farm-to-grid Subâ€“synchronous Dynamics. Electric Power Components and Systems, 2016, 44, 123-134.	1.8	18
45	A smart transmission grid for Europe: Research challenges in developing grid enabling technologies. , 2011, , .		17
46	Open source SCADA implementation and PMU integration for power system monitoring and control applications. , 2014, , .		17
47	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
48	CIM-Compliant Power System Dynamic Model-to-Model Transformation and Modelica Simulation. IEEE Transactions on Industrial Informatics, 2018, 14, 3989-3996.	11.3	16
49	Pseudo-Dynamic Network Modeling for PMU-Based State Estimation of Hybrid AC/DC Grids. IEEE Access, 2018, 6, 4006-4016.	4.2	16
50	Implementation of an experimental wide-area monitoring platform for development of synchronized phasor measurement applications. , 2011, , .		15
51	The OpenPMU Project: Challenges and perspectives. , 2013, , .		15
52	Experiences with steady-state PMU compliance testing using standard relay testing equipment. , 2014, , .		15
53	Performance assessment of PMU-based estimation Methods of Thevenin Equivalents for real-time voltage stability monitoring. , 2015, , .		15
54	Impact of time-synchronization signal loss on PMU-based WAMPAC applications. , 2016, , .		15

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55	PMU-assisted overcurrent protection for distribution feeders employing Solid State Transformers. Sustainable Energy, Grids and Networks, 2017, 10, 26-34.	3.9	15
56	Testing and validation of a fast real-time oscillation detection PMU-based application for wind-farm monitoring. , 2013, , .		14
57	An efficient automated topology processor for state estimation of power transmission networks. Electric Power Systems Research, 2014, 106, 188-202.	3.6	14
58	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
59	Estimation of Eastern Denmark's electromechanical modes from ambient phasor measurement data. , 2010, , .		13
60	Analysis of communication network challenges for synchrophasor-based wide-area applications. , 2013, , .		13
61	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
62	A PMU-based fast real-time sub-synchronous oscillation detection application. , 2015, , .		13
63	Delay-free parallelization for real-time simulation of a large active distribution grid model. , 2016, , .		13
64	A Hybrid Synchrophasor and GOOSE-Based Power System Synchronization Scheme. IEEE Access, 2016, 4, 4659-4668.	4.2	13
65	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
66	Power system model identification exploiting the Modelica language and FMI technologies. , 2014, , .		12
67	PMU-based real-time damping control system software and hardware architecture synthesis and evaluation. , 2015, , .		12
68	Technique for pre-compliance testing of phasor measurement units. International Journal of Electrical Power and Energy Systems, 2018, 99, 323-330.	5.5	12
69	Measurement-Based Network Clustering for Active Distribution Systems. IEEE Transactions on Smart Grid, 2019, 10, 6714-6723.	9.0	12
70	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
71	A framework for estimation of power systems based on synchronized phasor measurement data. , 2009, , .		11
72	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

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73	A fundamental study on damping control design using PMU signals from dominant inter-area oscillation paths. , 2012, , .		11
74	Coordination assessment of overcurrent relays in distribution feeders with high penetration of PV systems. , 2013, , .		11
75	Inclusion of classic HVDC links in a PMU-based state estimator. , 2014, , .		11
76	Hybrid Nearest Level and open loop control of modular multilevel converters. , 2014, , .		11
77	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
78	Extracting Steady State Components from Synchrophasor Data Using Kalman Filters. Energies, 2016, 9, 315.	3.1	10
79	RaPId: A modular and extensible toolbox for parameter estimation of Modelica and FMI compliant models. SoftwareX, 2016, 5, 144-149.	2.6	10
80	BabelFishâ€"Tools for IEEE C37.118.2-compliant real-time synchrophasor data mediation. SoftwareX, 2017, 6, 209-216.	2.6	10
81	DAE Solvers for Large-Scale Hybrid Models. , 2019, , .		10
82	Voltage stability monitoring using sensitivities computed from synchronized phasor measurement data. , 2012, , .		9
83	OpenPMU technology platform for Synchrophasor research applications. , 2012, , .		9
84	A WACS exploiting generator Excitation Boosters for power system transient stability enhancement. Electric Power Systems Research, 2017, 148, 245-253.	3.6	9
85	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
86	PMU-Based Estimation of Synchronous Machinesâ€™ Unknown Inputs Using a Nonlinear Extended Recursive Three-Step Smoother. IEEE Access, 2018, 6, 57123-57136.	4.2	9
87	Time Series-Based Small-Signal Stability Assessment using Deep Learning. , 2021, , .		9
88	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
89	Decentralized topology inference of electrical distribution networks. , 2012, , .		8
90	Detailed modelling, implementation and simulation of an â€œall-in-oneâ€•stability test system including power system protective devices. Simulation Modelling Practice and Theory, 2012, 23, 36-59.	3.8	8

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91	A three-layer severity index for power system voltage stability assessment using time-series from dynamic simulations. , 2014, , .		8
92	Analysis of time delay effects for wide-area damping control design using dominant path signals. , 2014, , .		8
93	Static stability indexes for classification of power system time-domain simulations. , 2015, , .		8
94	Voltage control-based ancillary service using thermostatically controlled loads. , 2016, , .		8
95	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
96	Synchrophasor Phase Angle Data Unwrapping Using an Unscented Kalman Filter. IEEE Transactions on Power Systems, 2021, 36, 4868-4871.	6.5	8
97	Structured model reduction of power systems. , 2012, , .		7
98	Binding CIM and modelica for consistent power system dynamic model exchange and simulation. , 2015, , .		7
99	Experiences with dynamic PMU compliance testing using standard relay testing equipment. , 2015, , .		7
100	Real-time data mediation for synchrophasor application development compliant with IEEE C37.118.2. , 2015, , .		7
101	Towards automated power system model transformation for multi-TSO phasor time domain simulations using Modelica. , 2016, , .		7
102	An IEC 61850-90-5 gateway for IEEE C37.118.2 synchrophasor data transfer. , 2016, , .		7
103	Feeder dynamic rating application for active distribution network using synchrophasors. Sustainable Energy, Grids and Networks, 2017, 10, 35-45.	3.9	7
104	Utilizing synchrophasor-based supplementary damping control signals in conventional generator excitation systems. Electric Power Systems Research, 2018, 157, 157-167.	3.6	7
105	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
106	Coordination of protection and VSC-HVDC systems for mitigating cascading failures. , 2010, , .		6
107	State-of-the-art of topology processors for EMS and PMU applications and their limitations. , 2012, , .		6
108	Automatic triggering of the interconnection between Mexico and central America using discrete control schemes. , 2013, , .		6

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109	A quantitative method for the assessment of VSC-HVdc controller simulations in EMT tools. , 2014, , .		6
110	Bayesian Parameter Estimation of Power System Primary Frequency Controls under Modeling Uncertainties. IFAC-PapersOnLine, 2015, 48, 461-465.	0.9	6
111	A method for extracting steady state components from Syncrophasor data using Kalman Filters. , 2015, , .		6
112	Aspects of power system modeling, initialization and simulation using the Modelica language. , 2015, , .		6
113	An active distribution network model for smart grid control and protection studiesâ€"Model validation progress. , 2017, , .		6
114	Cyberâ€"physical microgrid components fault prognosis using electromagnetic sensors. IET Cyber-Physical Systems: Theory and Applications, 2019, 4, 173-178.	3.3	6
115	Automated Design of Realistic Contingencies for Big Data Generation. IEEE Transactions on Power Systems, 2020, 35, 4968-4971.	6.5	6
116	A Modelica Power System Component Library for Model Validation and Parameter Identification. , 2014, , .		6
117	Synthetic Training Data Generation for ML-based Small-Signal Stability Assessment. , 2020, , .		6
118	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
119	Analysis of STATCOM Oscillations using Ambient Synchrophasor Data in Dominion Energy. , 2022, , .		6
120	Computation and analysis of power system voltage oscillations from interarea modes. , 2009, , .		5
121	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
122	Performance evaluation of protection functions for IEC 61850-9-2 process bus using real-time hardware-in-the-loop simulation approach. , 2013, , .		5
123	A small-signal stability index for power system dynamic impact assessment using time-domain simulations. , 2014, , .		5
124	A Modelica-based execution and simulation engine for automated power system model validation. , 2014, , .		5
125	Generic VSC and low level switching control models for offline simulation of VSC-HVDC systems. , 2014, , .		5
126	Implementation of conventional and phasor based power system stabilizing controls for real-time simulation. , 2014, , .		5

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127	Validating a real-time PMU-based application for monitoring of sub-synchronous wind farm oscillations. , 2014, , .		5
128	A PMU-based state estimator for networks containing VSC-HVDC links. , 2015, , .		5
129	Laboratory test set-up for the assessment of PMU time synchronization requirements. , 2015, , .		5
130	Computing sensitivities from synchrophasor data for voltage stability monitoring and visualization. International Transactions on Electrical Energy Systems, 2015, 25, 933-947.	1.9	5
131	Decoupled voltage stability assessment of distribution networks using synchrophasors. , 2016, , .		5
132	â€˜In silicoâ€™ testing of a decentralized PMU data-based power systems mode estimator. , 2016, , .		5
133	Software requirements for interoperable and standard-based power system modeling tools. Simulation Modelling Practice and Theory, 2020, 103, 102095.	3.8	5
134	A timeâ€sensitive networkingâ€enabled synchronized threeâ€phase and phasor measurementâ€based monitoring system for microgrids. IET Cyber-Physical Systems: Theory and Applications, 2021, 6, 1-11.	3.3	5
135	Phase and Amplitude Synchronization in Power-Grid Frequency Fluctuations in the Nordic Grid. IEEE Access, 2022, 10, 18065-18073.	4.2	5
136	Modeling of custom hydro turbine and governor models for real-time simulation. , 2012, , .		4
137	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
138	Phasor-assisted automated topology processing for state estimators. , 2013, , .		4
139	Generic high level VSC-HVDC grid controls and test systems for offline and real time simulation. , 2014, , .		4
140	RT-HIL testing of an excitation control system for oscillation damping using external stabilizing signals. , 2015, , .		4
141	Equation-based modeling of FACTS using Modelica. , 2015, , .		4
142	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
143	Dynamic ThÃ©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
144	Fault detection method in subsea power distribution systems using statistical optimisation. IET Energy Systems Integration, 2020, 2, 144-150.	1.8	4

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145	Interarea Mode Analysis for Large Power Systems Using Synchrophasor Data. Power Electronics and Power Systems, 2013, , 259-295.	0.6	4
146	Triggering the deep learning approach in power system courses using Free and Open Source Software. , 2011, , .		3
147	Mitigating system's voltage instability through wide-area early warning signals and real-time HVDC control. , 2012, , .		3
148	Structured power system model reduction of non-coherent areas. , 2012, , .		3
149	Monitoring and Control ofÂRenewable Energy Sources using Synchronized Phasor Measurements. , 2014, , 413-428.		3
150	Implementation and testing of a real-time mode estimation algorithm using ambient PMU data. , 2014, , .		3
151	RT-SIL performance analysis of synchrophasor-and-active load-based power system damping controllers. , 2015, , .		3
152	A PMU-based state estimator for networks containing FACTS devices. , 2015, , .		3
153	Equation-based modeling of three-winding and regulating transformers using Modelica. , 2015, , .		3
154	RT-HIL implementation of hybrid synchrophasor and GOOSE-based passive islanding schemes. , 2016, , .		3
155	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
156	Experimental real-time testing of a decentralized PMU data-based power systems mode estimator. , 2017, , .		3
157	Enhancing engineering studies in developing countries using OpenModelica. , 2017, , .		3
158	Vulnerability of Synchrophasor-based WAMPAC Applicationsâ€™ to Time Synchronization Spoofing. , 2018, , .		3
159	Audurâ€”A platform for synchrophasor-based power system wide-area control system implementation. SoftwareX, 2018, 7, 294-301.	2.6	3
160	Probing signal design for enhanced damping estimation in power networks. International Journal of Electrical Power and Energy Systems, 2021, 129, 106640.	5.5	3
161	Modeling of PMU-Based Islanded Operation Controls for Power Distribution Networks using Modelica and OpenIPSL. , 2019, , .		3
162	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

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163	System frequency monitoring in the Nigerian power system. , 2009, , .		2
164	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
165	Real-time implementation of an Automatic Voltage Stabilizer for HVDC Control. , 2012, , .		2
166	Utilizing synchrophasor-based protection systems with VSC-HVDC controls to mitigate voltage instability. , 2012, , .		2
167	Power flow solution for multiphase unbalanced distribution networks with high penetration of photovoltaics. , 2013, , .		2
168	PMU-based voltage instability detection through linear regression. , 2013, , .		2
169	Approximating a post-contingency stable operation region in parameter space through time-domain simulation. , 2013, , .		2
170	Experimental performance assessment of a generator's excitation control system using real-time hardware-in-the-loop simulation. , 2014, , .		2
171	Model order selection for probing-based power system mode estimation. , 2015, , .		2
172	Software architecture development and implementation of a synchrophasor-based real-time oscillation damping control system. , 2015, , .		2
173	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
174	â€˜In silicoâ€™ testing of a real-time PMU-based tool for power system mode estimation. , 2016, , .		2
175	Modeling and simulation of a hybrid single-phase/three-phase system in modelica. , 2018, , .		2
176	Over Current Relay Modeling using Modelica with Cross-Verification against a Validated Model. , 2019, , .		2
177	CIM-2-mod: A CIM to modelica mapping and model-2-model transformation engine. SoftwareX, 2019, 9, 161-167.	2.6	2
178	RaPId - A Parameter Estimation Toolbox for Modelica/FMI-Based Models Exploiting Global Optimization Methods. IFAC-PapersOnLine, 2021, 54, 391-396.	0.9	2
179	A Mobile Test-Bed for Synchrophasor Technologies Teaching and Demonstration. , 2021, , .		2
180	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

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181	A Novel Method for Despiking Spectra from Synchrophasor Measurements. , 2021, , .		2
182	Individual Channel Analysis of the Thyristor-Controlled Series Compensator Performance. International Journal of Emerging Electric Power Systems, 2010, 11, .	0.8	1
183	Implementing constructive alignment theory in a power system analysis course using a consensus model. , 2012, , .		1
184	Specification and implementation of a reference grid for distribution network dynamics studies. , 2014, , .		1
185	An experimental setup for testing synchrophasor-based Damping control systems. , 2015, , .		1
186	Generic VSC-based DC Grid EMT modeling, simulation, and validation on a scaled hardware platform. , 2015, , .		1
187	Towards consistent model exchange and simulation of VSC-HVdc controls for EMT studies. , 2015, , .		1
188	Validation experiment design of a PMU-based application for detection of sub-synchronous oscillations. , 2015, , .		1
189	RT-HIL hardware prototyping of synchrophasor and active load-based power system oscillation damping controllers. , 2016, , .		1
190	Optimal PMU placement for power system ambient data-based mode estimation applications. , 2016, , .		1
191	Automated Parameter Identification and Calibration for the Itaipu Power Generation System using Modelica, FMI, and RaPId. , 2019, , .		1
192	Enhanced Power System Damping Estimation via Optimal Probing Signal Design. , 2020, , .		1
193	Experiences with Dynamical Mode Decomposition for Wide-Area Mode Estimation. , 2022, , .		1
194	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
195	A Reconfigurable Synchrophasor Synchronization Gateway & Controller Architecture for DERs. , 2022, , .		1
196	Modelling and dynamic analysis of offshore wind farms according to the French TSO grid code. , 2012, , .		0
197	Multiphase unbalanced power flow and fault analysis of distribution networks with high penetration of inverter-interfaced DERs. , 2015, , .		0
198	Challenges of real-time parameter estimation of a DFIG using synchrophasors. , 2015, , .		0

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199	Calibration and sensitivity analysis of upper level VSC-HVDC controls. , 2017, , .		0
200	Identifying low-order frequency-dependent transmission line model parameters. , 2017, , .		0
201	FluxPMU - A Maker's Guide of a DIY Synchronized Phasor Measurement Unit. , 2021, , .		0
202	Parameter Estimation and Model Validation of Quanser AERO using Modelica and RaPId. , 2021, , .		0
203	Smart Transmission Grids Vision for Europe: Towards a Realistic Research Agenda. Green Energy and Technology, 2014, , 185-220.	0.6	0
204	Decision Trees for Voltage Stability Assessment. , 2020, , .		0
205	Automated Design of Realistic Contingencies for Big Data Generation. , 2021, , .		0
206	Adaptive Passivity Compensation of Grid-following MMC for Stable Grid Integration. IEEE Transactions on Industry Applications, 2022, , 1-8.	4.9	0
207	A Software Toolchain for Real-Time Testing of Synchrophasor Algorithms in MATLAB. , 2022, , .		0