

# Mario Paolone

## List of Publications by Citations

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277  
papers

6,575  
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43  
h-index

70  
g-index

314  
ext. papers

8,464  
ext. citations

5.3  
avg, IF

6.42  
L-index

#	Paper	IF	Citations
277	. <i>IEEE Transactions on Power Systems</i> , <b>2014</b> , 29, 2300-2310	7	265
276	Real-Time Simulation Technologies for Power Systems Design, Testing, and Analysis. <i>IEEE Power and Energy Technology Systems Journal</i> , <b>2015</b> , 2, 63-73	4.3	227
275	. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2014</b> , 63, 2824-2836	5.2	183
274	Continuous-Wavelet Transform for Fault Location in Distribution Power Networks: Definition of Mother Wavelets Inferred From Fault Originated Transients. <i>IEEE Transactions on Power Systems</i> , <b>2008</b> , 23, 380-388	7	177
273	Short-Term Scheduling and Control of Active Distribution Systems With High Penetration of Renewable Resources. <i>IEEE Systems Journal</i> , <b>2010</b> , 4, 313-322	4.3	169
272	. <i>IEEE Transactions on Smart Grid</i> , <b>2013</b> , 4, 741-750	10.7	164
271	Microgrid Stability Definitions, Analysis, and Examples. <i>IEEE Transactions on Power Systems</i> , <b>2020</b> , 35, 13-29	7	159
270	. <i>IEEE Transactions on Smart Grid</i> , <b>2011</b> , 2, 82-91	10.7	134
269	Integrated Use of Time-Frequency Wavelet Decompositions for Fault Location in Distribution Networks: Theory and Experimental Validation. <i>IEEE Transactions on Power Delivery</i> , <b>2010</b> , 25, 3139-3146	4.3	121
268	Fault Detection and Faulted Line Identification in Active Distribution Networks Using Synchrophasors-Based Real-Time State Estimation. <i>IEEE Transactions on Power Delivery</i> , <b>2017</b> , 32, 381-392	4.3	118
267	An Efficient Method Based on the Electromagnetic Time Reversal to Locate Faults in Power Networks. <i>IEEE Transactions on Power Delivery</i> , <b>2013</b> , 28, 1663-1673	4.3	118
266	Mitigation of lightning-induced overvoltages in medium Voltage distribution lines by means of periodical grounding of shielding wires and of surge arresters: modeling and experimental validation. <i>IEEE Transactions on Power Delivery</i> , <b>2004</b> , 19, 423-431	4.3	116
265	An Improved Procedure for the Assessment of Overhead Line Indirect Lightning Performance and Its Comparison with the IEEE Std. 1410 Method. <i>IEEE Transactions on Power Delivery</i> , <b>2007</b> , 22, 684-692	4.3	114
264	A Microcontroller-Based Power Management System for Standalone Microgrids With Hybrid Power Supply. <i>IEEE Transactions on Sustainable Energy</i> , <b>2012</b> , 3, 422-431	8.2	102
263	Applications of Real-Time Simulation Technologies in Power and Energy Systems. <i>IEEE Power and Energy Technology Systems Journal</i> , <b>2015</b> , 2, 103-115	4.3	93
262	A composable method for real-time control of active distribution networks with explicit power setpoints. Part I: Framework. <i>Electric Power Systems Research</i> , <b>2015</b> , 125, 254-264	3.5	89
261	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2005</b> , 47, 498-508	2	82

260	Optimal siting and sizing of distributed energy storage systems via alternating direction method of multipliers. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2015</b> , 72, 33-39	5.1	81
259	Optimal Planning of Distributed Energy Storage Systems in Active Distribution Networks Embedding Grid Reconfiguration. <i>IEEE Transactions on Power Systems</i> , <b>2018</b> , 33, 1577-1590	7	81
258	On the use of continuous-wavelet transform for fault location in distribution power systems. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2006</b> , 28, 608-617	5.1	78
257	Iterative-Interpolated DFT for Synchrophasor Estimation: A Single Algorithm for P- and M-Class Compliant PMUs. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2018</b> , 67, 547-558	5.2	71
256	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2009</b> , 51, 532-547	2	71
255	Lightning-induced voltages on complex distribution systems: models, advanced software tools and experimental validation. <i>Journal of Electrostatics</i> , <b>2004</b> , 60, 163-174	1.7	71
254	Achieving the Dispatchability of Distribution Feeders Through Prosumers Data Driven Forecasting and Model Predictive Control of Electrochemical Storage. <i>IEEE Transactions on Sustainable Energy</i> , <b>2016</b> , 7, 1762-1777	8.2	70
253	Lightning-Induced Overvoltages Transferred Through Distribution Power Transformers. <i>IEEE Transactions on Power Delivery</i> , <b>2009</b> , 24, 360-372	4.3	69
252	External impedance and admittance of buried horizontal wires for transient studies using transmission line analysis. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2007</b> , 14, 751-761	2.3	68
251	. <i>IEEE Transactions on Smart Grid</i> , <b>2014</b> , 5, 622-631	10.7	64
250	Evaluation of Lightning Electromagnetic Fields and Their Induced Voltages on Overhead Lines Considering the Frequency Dependence of Soil Electrical Parameters. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2013</b> , 55, 1210-1219	2	63
249	A Scale Model for the Study of the LEMP Response of Complex Power Distribution Networks. <i>IEEE Transactions on Power Delivery</i> , <b>2007</b> , 22, 710-720	4.3	62
248	<b>2015</b> ,		61
247	Improvement of Dynamic Modeling of Supercapacitor by Residual Charge Effect Estimation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 1345-1354	8.9	61
246	Information-centric networking for machine-to-machine data delivery: a case study in smart grid applications. <i>IEEE Network</i> , <b>2014</b> , 28, 58-64	11.4	53
245	Far-field-current relationship based on the TL model for lightning return strokes to elevated strike objects. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2005</b> , 47, 146-159	2	53
244	Lightning induced disturbances in buried cables - part II: experiment and model validation. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2005</b> , 47, 509-520	2	53
243	Explicit Conditions on Existence and Uniqueness of Load-Flow Solutions in Distribution Networks. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 953-962	10.7	51

242	Control of Battery Storage Systems for the Simultaneous Provision of Multiple Services. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 2799-2808	10.7	50
241	Security Constrained Unit Commitment With Dynamic Thermal Line Rating. <i>IEEE Transactions on Power Systems</i> , <b>2016</b> , 31, 2014-2025	7	48
240	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2016</b> , 58, 161-171	2	47
239	A system for the measurements of lightning currents at the Sbitis Tower. <i>Electric Power Systems Research</i> , <b>2012</b> , 82, 34-43	3.5	46
238	An Exact Convex Formulation of the Optimal Power Flow in Radial Distribution Networks Including Transverse Components. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 682-697	5.9	45
237	<b>2012</b> ,		45
236	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2017</b> , 59, 1601-1612	2	44
235	. <i>IEEE Transactions on Smart Grid</i> , <b>2015</b> , 6, 2134-2146	10.7	44
234	Fundamentals of power systems modelling in the presence of converter-interfaced generation. <i>Electric Power Systems Research</i> , <b>2020</b> , 189, 106811	3.5	43
233	AC OPF in radial distribution networks [Part I: On the limits of the branch flow convexification and the alternating direction method of multipliers. <i>Electric Power Systems Research</i> , <b>2017</b> , 143, 438-450	3.5	42
232	Performance Assessment of Linear State Estimators Using Synchrophasor Measurements. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2016</b> , 65, 535-548	5.2	42
231	Statistical Distributions of Lightning Currents Associated With Upward Negative Flashes Based on the Data Collected at the Sbitis (EMC) Tower in 2010 and 2011. <i>IEEE Transactions on Power Delivery</i> , <b>2013</b> , 28, 1804-1812	4.3	41
230	PMU-Based ROCOF Measurements: Uncertainty Limits and Metrological Significance in Power System Applications. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2019</b> , 68, 3810-3822	5.2	40
229	Study of optimal design of polygeneration systems in optimal control strategies. <i>Energy</i> , <b>2013</b> , 55, 134-144	10.7	39
228	Experimental analysis of a PEM fuel cell performance at variable load with anodic exhaust management optimization. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 385-393	6.7	39
227	. <i>IEEE Transactions on Smart Grid</i> , <b>2014</b> , 5, 2314-2325	10.7	37
226	Decentralized voltage control of clustered active distribution network by means of energy storage systems. <i>Electric Power Systems Research</i> , <b>2016</b> , 136, 370-382	3.5	36
225	Sequential Discrete Kalman Filter for Real-Time State Estimation in Power Distribution Systems: Theory and Implementation. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2017</b> , 66, 2358-2370	5.2	35

224	A Prediction-Error Covariance Estimator for Adaptive Kalman Filtering in Step-Varying Processes: Application to Power-System State Estimation. <i>IEEE Transactions on Control Systems Technology</i> , <b>2017</b> , 25, 1683-1697	4.8	35
223	A Decentralized Adaptive Model-Based Real-Time Control for Active Distribution Networks Using Battery Energy Storage Systems. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 3406-3418	10.7	35
222	Nonuniform transmission tower model for lightning transient studies. <i>IEEE Transactions on Power Delivery</i> , <b>2004</b> , 19, 490-496	4.3	35
221	Irradiance prediction intervals for PV stochastic generation in microgrid applications. <i>Solar Energy</i> , <b>2016</b> , 139, 116-129	6.8	35
220	Concurrent Voltage Control and Dispatch of Active Distribution Networks by Means of Smart Transformer and Storage. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 6657-6666	8.9	34
219	A composable method for real-time control of active distribution networks with explicit power setpoints. Part II: Implementation and validation. <i>Electric Power Systems Research</i> , <b>2015</b> , 125, 265-280	3.5	33
218	Assessment of the Influence of Losses on the Performance of the Electromagnetic Time Reversal Fault Location Method. <i>IEEE Transactions on Power Delivery</i> , <b>2017</b> , 32, 2303-2312	4.3	33
217	. <i>IEEE Transactions on Power Delivery</i> , <b>2009</b> , 24, 2206-2213	4.3	32
216	Unsupervised Disaggregation of Photovoltaic Production From Composite Power Flow Measurements of Heterogeneous Prosumers. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 3904-3913	11.9	31
215	Locating Faults on Untransposed, Meshed Transmission Networks Using a Limited Number of Synchrophasor Measurements. <i>IEEE Transactions on Power Systems</i> , <b>2016</b> , 31, 4462-4472	7	31
214	Determination of reflection coefficients at the top and bottom of elevated strike objects struck by lightning. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		31
213	A model predictive control strategy for the space heating of a smart building including cogeneration of a fuel cell-electrolyzer system. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2014</b> , 62, 879-889	5.1	30
212	Evaluation of the performance characteristics of the European Lightning Detection Network EUCLID in the Alps region for upward negative flashes using direct measurements at the instrumented Sltis Tower. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 595-606	4.4	30
211	Lightning Electromagnetic Fields and Their Induced Currents on Buried Cables. Part II: The Effect of a Horizontally Stratified Ground. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2014</b> , 56, 1146-1154		28
210	Application of the Matrix Pencil Method to Rational Fitting of Frequency-Domain Responses. <i>IEEE Transactions on Power Delivery</i> , <b>2012</b> , 27, 2399-2408	4.3	28
209	Definition of Accurate Reference Synchrophasors for Static and Dynamic Characterization of PMUs. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2017</b> , 66, 2233-2246	5.2	27
208	A Full-Scale Experimental Validation of Electromagnetic Time Reversal Applied to Locate Disturbances in Overhead Power Distribution Lines. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2018</b> , 60, 1562-1570	2	26
207	Probabilistic assessment of the process-noise covariance matrix of discrete Kalman filter state estimation of active distribution networks <b>2014</b> ,		26

206	. <i>IEEE Transactions on Power Delivery</i> , <b>2004</b> , 19, 1400-1409	4.3	26
205	Photovoltaic-Model-Based Solar Irradiance Estimators: Performance Comparison and Application to Maximum Power Forecasting. <i>IEEE Transactions on Sustainable Energy</i> , <b>2018</b> , 9, 35-44	8.2	25
204	Architecture and Experimental Validation of a Low-Latency Phasor Data Concentrator. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 2885-2893	10.7	24
203	Use of the full-wave Finite Element Method for the numerical electromagnetic analysis of LEMP and its coupling to overhead lines. <i>Electric Power Systems Research</i> , <b>2013</b> , 94, 24-29	3.5	24
202	Positive lightning flashes recorded on the SBTis tower from May 2010 to January 2012. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 12,879-12,892	4.4	24
201	Voltage Control in Active Distribution Networks Under Uncertainty in the System Model: A Robust Optimization Approach. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 5631-5642	10.7	23
200	. <i>IEEE Transactions on Transportation Electrification</i> , <b>2017</b> , 3, 589-599	7.6	23
199	On the optimal placement of distributed storage systems for voltage control in active distribution networks <b>2012</b> ,		23
198	Models of Wind-Turbine Main-Shaft Bearings for the Development of Specific Lightning Protection Systems. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2011</b> , 53, 99-107	2	23
197	Integrated voltage control and line congestion management in Active Distribution Networks by means of smart transformers <b>2014</b> ,		22
196	A pre-estimation filtering process of bad data for linear power systems state estimators using PMUs <b>2014</b> ,		22
195	Dispatching Stochastic Heterogeneous Resources Accounting for Grid and Battery Losses. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 6522-6539	10.7	21
194	Fault location in multi-terminal HVDC networks based on Electromagnetic Time Reversal with limited time reversal window <b>2014</b> ,		21
193	<b>2013</b> ,		21
192	Lightning Currents Flowing in the Soil and Entering a Test Power Distribution Line Via Its Grounding. <i>IEEE Transactions on Power Delivery</i> , <b>2009</b> , 24, 1095-1103	4.3	21
191	A high-performance, low-cost PMU prototype for distribution networks based on FPGA <b>2017</b> ,		20
190	Ultra Fast Linear State Estimation Utilizing SCADA Measurements. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 2622-2631	7	19
189	. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 3530-3542	10.7	19

188	Existence and Uniqueness of Load-Flow Solutions in Three-Phase Distribution Networks. <i>IEEE Transactions on Power Systems</i> , <b>2017</b> , 32, 3319-3320	7	19
187	<b>2014</b> ,		19
186	Parameter identification of a lithium-ion cell single-particle model through non-invasive testing. <i>Journal of Energy Storage</i> , <b>2017</b> , 12, 138-148	7.8	18
185	An Energy Resource Scheduler Implemented in the Automatic Management System of a Microgrid Test Facility <b>2007</b> ,		18
184	Reduced Leakage Synchrophasor Estimation: Hilbert Transform Plus Interpolated DFT. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2019</b> , 68, 3468-3483	5.2	18
183	Macroscopic indicators of fault diagnosis and ageing in electrochemical double layer capacitors. <i>Journal of Energy Storage</i> , <b>2015</b> , 2, 8-24	7.8	17
182	Fast initial continuous current pulses versus return stroke pulses in tower-initiated lightning. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 6425-6434	4.4	17
181	Inter-area frequency control reserve assessment regarding dynamics of cascading outages and blackouts. <i>Electric Power Systems Research</i> , <b>2014</b> , 107, 144-152	3.5	17
180	On the use of electromagnetic time reversal to locate faults in series-compensated transmission lines <b>2013</b> ,		17
179	Evaluation of Lightning-Induced Currents on Cables Buried in a Lossy Dispersive Ground. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2014</b> , 56, 1522-1529	2	17
178	AC OPF in radial distribution networks [Part II: An augmented Lagrangian-based OPF algorithm, distributable via primal decomposition. <i>Electric Power Systems Research</i> , <b>2017</b> , 150, 24-35	3.5	16
177	A Comprehensive Assessment of the Short-Term Uncertainty of Grid-Connected PV Systems. <i>IEEE Transactions on Sustainable Energy</i> , <b>2018</b> , 9, 1458-1467	8.2	16
176	An automated FPGA real-time simulator for power electronics and power systems electromagnetic transient applications. <i>Electric Power Systems Research</i> , <b>2016</b> , 141, 147-156	3.5	16
175	Model-free computation of ultra-short-term prediction intervals of solar irradiance. <i>Solar Energy</i> , <b>2016</b> , 124, 57-67	6.8	16
174	A new method to locate faults in power networks based on Electromagnetic Time Reversal <b>2012</b> ,		16
173	Modelling of current and temperature effects on supercapacitors ageing. Part II: State-of-Health assessment. <i>Journal of Energy Storage</i> , <b>2016</b> , 5, 95-101	7.8	16
172	The White Rabbit Time Synchronization Protocol for Synchrophasor Networks. <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 11, 726-738	10.7	16
171	Using electromagnetic time reversal to locate faults in transmission lines: Definition and application of the Mirrored Minimum Energy Property <b>2017</b> ,		15

170	Determination of lightning currents from far electromagnetic fields: Effect of a strike object. <i>Journal of Electrostatics</i> , <b>2007</b> , 65, 289-295	1.7	15
169	Intra-day electro-thermal model predictive control for polygeneration systems in microgrids. <i>Energy</i> , <b>2016</b> , 104, 308-319	7.9	15
168	Model-less/measurement-based computation of voltage sensitivities in unbalanced electrical distribution networks <b>2016</b> ,		15
167	On the Properties of the Power Systems Nodal Admittance Matrix. <i>IEEE Transactions on Power Systems</i> , <b>2018</b> , 33, 1130-1131	7	14
166	Voltage transient measurements in a distribution network correlated with data from lightning location system and from sequence of events recorders. <i>Electric Power Systems Research</i> , <b>2011</b> , 81, 237-253	3.5	14
165	. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2020</b> , 69, 3412-3427	5.2	14
164	Impact of Synchrophasor Estimation Algorithms in ROCOF-Based Under-Frequency Load-Shedding. <i>IEEE Transactions on Power Systems</i> , <b>2020</b> , 35, 1305-1316	7	14
163	Analysis of lightning-ionosphere interaction using simultaneous records of source current and 380 km distant electric field. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2017</b> , 159, 48-56	2	13
162	Modelling of current and temperature effects on supercapacitors ageing. Part I: Review of driving phenomenology. <i>Journal of Energy Storage</i> , <b>2016</b> , 5, 85-94	7.8	13
161	Time reversal applied to fault location in power networks: Pilot test results and analyses. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2020</b> , 114, 105382	5.1	13
160	Vacuum circuit breaker modelling for the assessment of transient recovery voltages: Application to various network configurations. <i>Electric Power Systems Research</i> , <b>2018</b> , 156, 35-43	3.5	12
159	Short-term scheduling of active distribution systems <b>2009</b> ,		12
158	Optimal Design of the Propulsion System of a Hyperloop Capsule. <i>IEEE Transactions on Transportation Electrification</i> , <b>2019</b> , 5, 1406-1418	7.6	12
157	A Hardware-in-the-Loop test platform for the performance assessment of a PMU-based Real-Time State Estimator for Active Distribution Networks <b>2015</b> ,		11
156	Influencing the bulk power system reserve by dispatching power distribution networks using local energy storage. <i>Electric Power Systems Research</i> , <b>2018</b> , 163, 270-279	3.5	11
155	Effects of nearby buildings on lightning induced voltages on overhead power distribution lines. <i>Electric Power Systems Research</i> , <b>2013</b> , 94, 38-45	3.5	11
154	Enhanced electrical model of Lithium-based batteries accounting the charge redistribution effect <b>2014</b> ,		11
153	A general purpose FPGA-based real-time simulator for power systems applications <b>2013</b> ,		11



152	An interpolated-DFT synchrophasor estimation algorithm and its implementation in an FPGA-based PMU prototype <b>2013</b> ,		11
151	. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 2103-2113	7	11
150	Beyond Phasors: Modeling of Power System Signals Using the Hilbert Transform. <i>IEEE Transactions on Power Systems</i> , <b>2020</b> , 35, 2971-2980	7	10
149	On the Properties of the Compound Nodal Admittance Matrix of Polyphase Power Systems. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 444-453	7	10
148	Architecture and characterization of a calibrator for PMUs operating in power distribution systems <b>2015</b> ,		10
147	Synchronized phasors monitoring during the islanding maneuver of an active distribution network <b>2010</b> ,		10
146	Lightning-induced currents in buried coaxial cables: A frequency-domain approach and its validation using rocket-triggered lightning. <i>Journal of Electrostatics</i> , <b>2007</b> , 65, 322-328	1.7	10
145	Models of Wind-Turbine Main Shaft Bearings for the Development of Specific Lightning Protection Systems <b>2007</b> ,		10
144	<b>2016</b> ,		10
143	Electromagnetic Time Reversal Applied to Fault Location: On the Properties of Back-Injected Signals <b>2018</b> ,		10
142	Local estimation of the global horizontal irradiance using an all-sky camera. <i>Solar Energy</i> , <b>2018</b> , 173, 1225-1235	5.8	10
141	Integration of an IEEE Std. C37.118 compliant PMU into a real-time simulator <b>2015</b> ,		9
140	Parameter Estimation of Three-Phase Untransposed Short Transmission Lines From Synchrophasor Measurements. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2020</b> , 69, 6143-6154	5.2	9
139	Locating lightning strikes and flashovers along overhead power transmission lines using electromagnetic time reversal. <i>Electric Power Systems Research</i> , <b>2018</b> , 160, 282-291	3.5	9
138	Taylor-Fourier PMU on a Real-Time Simulator: Design, Implementation and Characterization <b>2019</b> ,		9
137	Development of an RTU for synchrophasors estimation in active distribution networks <b>2009</b> ,		9
136	A Two-Stage Scheduler of Distributed Energy Resources <b>2007</b> ,		9
135	A Feasibility Study of an Auxiliary Power Unit Based on a PEM Fuel Cell for On-Board Applications. <i>Journal of Fuel Cell Science and Technology</i> , <b>2006</b> , 3, 445-451		9

134	On the use of data from distributed measurement systems for correlating voltage transients to lightning. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2004</b> , 53, 1202-1208	5.2	9
133	PMU-based linear state estimation of Lausanne subtransmission network: Experimental validation. <i>Electric Power Systems Research</i> , <b>2020</b> , 189, 106649	3.5	9
132	Optimal provision of concurrent primary frequency and local voltage control from a BESS considering variable capability curves: Modelling and experimental assessment. <i>Electric Power Systems Research</i> , <b>2021</b> , 190, 106643	3.5	9
131	Electromagnetic time reversal applied to fault detection: The issue of losses <b>2015</b> ,		8
130	Lightning currents measured on the Sbtis Tower: A summary of the results obtained in 2010 and 2011 <b>2013</b> ,		8
129	Analysis of Transmission Lines With Arrester Termination, Considering the Frequency-Dependence of Grounding Systems. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2009</b> , 51, 986-994	2	8
128	<b>2009</b> ,		8
127	Electromagnetic Time Reversal Similarity Characteristics and Its Application to Locating Faults in Power Networks. <i>IEEE Transactions on Power Delivery</i> , <b>2020</b> , 35, 1735-1748	4.3	8
126	Voltage stability analysis using a complete model of grid-connected voltage-source converters <b>2016</b> ,		8
125	Integration and Operation of Utility-Scale Battery Energy Storage Systems: the EPFL Experience. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 433-438	0.7	8
124	A Modified Formula for Distance Relaying of Tapped Transmission Lines With Grounded Neutrals. <i>IEEE Transactions on Power Delivery</i> , <b>2019</b> , 34, 690-699	4.3	8
123	Countrywide PV hosting capacity and energy storage requirements for distribution networks: The case of Switzerland. <i>Applied Energy</i> , <b>2021</b> , 281, 116010	10.7	8
122	Enhancing the dispatchability of distribution networks through utility-scale batteries and flexible demand. <i>Energy and Buildings</i> , <b>2018</b> , 172, 125-138	7	8
121	Extension of the Unmatched-Media Time Reversal Method to Locate Soft Faults in Transmission Lines. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2018</b> , 60, 1539-1545	2	7
120	A Generalized Index for Static Voltage Stability of Unbalanced Polyphase Power Systems Including Thevenin Equivalents and Polynomial Models. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 4630-4639	7	7
119	Characterization of uncertainty contributions in a high-accuracy PMU validation system. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2019</b> , 146, 72-86	4.6	7
118	A method for the assessment of the optimal parameter of discrete-time switch model. <i>Electric Power Systems Research</i> , <b>2014</b> , 115, 80-86	3.5	7
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106	Use of the full-wave finite element method for the numerical electromagnetic analysis of LEMP and its coupling with overhead lines <b>2011,</b>		6
105	Measurement of lightning currents using a combination of Rogowski coils and B-dot sensors <b>2010,</b>		6
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