Matthew J Reno

List of Publications by Year
in descending order

37 papers	668 citations	1163117 8 h-index	1199594 12 g-index
38 all docs	38 docs citations	38 times ranked	300 citing authors

#	Article	IF	Citations
1	Motivation and requirements for quasi-static time series (QSTS) for distribution system analysis. , 2017, , .		66
2	Influence of Inverter-Based Resources on Microgrid Protection: Part 1: Microgrids in Radial Distribution Systems. IEEE Power and Energy Magazine, 2021, 19, 36-46.	1.6	57
3	Fault Current Control and Protection in a Standalone DC Microgrid Using Adaptive Droop and Current Derivative. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 2529-2539.	5.4	45
4	Time series simulation of voltage regulation device control modes. , 2013, , .		44
5	Spectral Clustering for Customer Phase Identification Using AMI Voltage Timeseries. , 2019, , .		38
6	A Survey of Traveling Wave Protection Schemes in Electric Power Systems. IEEE Access, 2021, 9, 72949-72969.	4.2	35
7	Locational dependence of PV hosting capacity correlated with feeder load. , 2014, , .		32
8	Identifying Common Errors in Distribution System Models. , 2019, , .		26
9	PV interconnection risk analysis through distribution system impact signatures and feeder zones. , 2014, , .		23
10	Transient load sharing between inverters and synchronous generators in islanded microgrids. , 2012, , .		21
11	Assessment of Measurement-Based Phase Identification Methods. IEEE Open Access Journal of Power and Energy, 2021, 8, 128-137.	3.4	20
12	Phase identification using coâ€association matrix ensemble clustering. IET Smart Grid, 2020, 3, 490-499.	2.2	20
13	Increasing distribution system model accuracy with extensive deployment of smart meters. , 2014, , .		19
14	A Dynamic Mode Decomposition Scheme to Analyze Power Quality Events. IEEE Access, 2021, 9, 70775-70788.	4.2	19
15	A time-variant load model based on smart meter data mining. , 2014, , .		16
16	Influence of Inverter-Based Resources on Microgrid Protection: Part 2: Secondary Networks and Microgrid Protection. IEEE Power and Energy Magazine, 2021, 19, 47-57.	1.6	13
17	Systematic Study of Data Requirements and AMI Capabilities for Smart Meter Analytics. , 2019, , .		12
18	A Framework for Coordinated Self-Assembly of Networked Microgrids Using Consensus Algorithms. IEEE Access, 2022, 10, 3864-3878.	4.2	11

#	Article	IF	Citations
19	Multi-resolution Analysis Algorithm for Fast Fault Classification and Location in Distribution Systems. , 2021, , .		10
20	Real-time Microgrid Test Bed for Protection and Resiliency Studies. , 2021, , .		9
21	AMI Data Quality and Collection Method Considerations for Improving the Accuracy of Distribution Models. , 2019, , .		8
22	Traveling Wave Energy Analysis of Faults on Power Distribution Systems. Energies, 2022, 15, 2741.	3.1	8
23	Evaluating Distributed PV Curtailment Using Quasi-Static Time-Series Simulations. IEEE Open Access Journal of Power and Energy, 2021, 8, 365-376.	3.4	7
24	A Machine Learning-based Method using the Dynamic Mode Decomposition for Fault Location and Classification. , 2022, , .		7
25	An Algorithm for Fast Fault Location and Classification Based on Mathematical Morphology and Machine Learning. , 2022, , .		7
26	Using distribution LMP and time-of-delivery pricing to promote optimal placement and increased profitability of residential PV systems. , 2014, , .		6
27	Impact of Grid Support Functionality on PV Inverter Response to Faults. , 2021, , .		5
28	Power System Protection Parameter Sensitivity Analysis with Integrated Inverter Based Resources. , 2021, , .		5
29	Fault Current Control for DC Microgrid Protection Using an Adaptive Droop. , 2019, , .		4
30	A Numerical Method for Fault Location in DC Systems Using Traveling Waves. , 2021, , .		4
31	Switch Location Identification for Integrating a Distant Photovoltaic Array Into a Microgrid. IEEE Access, 2022, 10, 57902-57913.	4.2	4
32	Zonal Machine Learning-Based Protection for Distribution Systems. IEEE Access, 2022, 10, 66634-66645.	4.2	4
33	Asynchronous Traveling Wave-based Distribution System Protection with Graph Neural Networks. , 2022, , .		4
34	Parameter Tuning Analysis for Phase Identification Algorithms in Distribution System Model Calibration. , 2021, , .		3
35	Modeling a Grid-Forming Inverter Dynamics Under Ground Fault Scenarios Using Experimental Data From Commercially Available Equipment. , 2021, , .		2
36	Prediction of Relay Settings in an Adaptive Protection System. , 2022, , .		2

#	Article	IF	Citations
37	Substation-level Circuit Topology Estimation Using Machine Learning. , 2022, , .		0