Tu Nguyen

List of Publications by Year
in descending order

33 papers	**1,116** citations	933447 **10** h-index	1125743 **13** g-index
33 all docs	**33** docs citations	**33** times ranked	**1114** citing authors

#	Article	IF	Citations
1	Cyberphysical Security of Grid Battery Energy Storage Systems. IEEE Access, 2022, 10, 59675-59722.	4.2	11
2	Valuation of Behind-the-Meter Energy Storage in Hybrid Energy Systems. , 2022, , .		3
3	Energy Storage-based Packetized Delivery of Electricity. , 2022, , .		0
4	Replacing Transmission Infrastructure with Solar and Energy Storage Systems: An Islanded Microgrid Case Study. , 2022, , .		1
5	Optimization-Based Fast-Frequency Estimation and Control of Low-Inertia Microgrids. IEEE Transactions on Energy Conversion, 2021, 36, 1459-1468.	5.2	18
6	Real-Time Estimation of Microgrid Inertia and Damping Constant. IEEE Access, 2021, 9, 114523-114534.	4.2	13
7	Software Tools for Energy Storage Valuation and Design. Current Sustainable/Renewable Energy Reports, 2021, 8, 156-163.	2.6	6
8	Optimization-Based Fast-Frequency Estimation and Control of Low-Inertia Microgrids. , 2021, , .		0
9	Evaluation of Energy Storage Providing Virtual Transmission Capacity. , 2021, , .		0
10	Sizing Behind-the-Meter Energy Storage and Solar for Electric Vehicle Fast-Charging Stations. , 2020, , .		5
11	Discrete Logic vs Optimized Dispatch for Energy Storage in a Microgrid. , 2020, , .		3
12	Market Evaluation of Energy Storage Systems Incorporating Technology-Specific Nonlinear Models. IEEE Transactions on Power Systems, 2019, 34, 3706-3715.	6.5	31
13	Adaptive Model Predictive Control for Real-Time Dispatch of Energy Storage Systems. , 2019, , .		6
14	Battery Energy Storage Models for Optimal Control. IEEE Access, 2019, 7, 178357-178391.	4.2	92
15	Energy Management and Optimization Methods for Grid Energy Storage Systems. IEEE Access, 2018, 6, 13231-13260.	4.2	247
16	Optimal Time-of-Use Management with Power Factor Correction Using Behind-the-Meter Energy Storage Systems. , 2018, , .		7
17	Voltage Regulation in Distribution Grid Using PV Smart Inverters. , 2018, , .		4
18	Optimal Sizing of Behind-the-Meter Energy Storage with Stochastic Load and PV Generation for Islanded Operation. , 2018, , .		4

#	Article	IF	Citations
19	Opportunities for Energy Storage in CAISO. , 2018, , .		7
20	Maximizing The Revenue of Energy Storage Systems in Market Areas Considering Nonlinear Storage Efficiencies. , 2018, , .		9
21	Opportunities for Energy Storage in CAISO: Day-Ahead and Real-Time Market Arbitrage. , 2018, , .		10
22	Maximizing revenue from electrical energy storage in MISO energy & frequency regulation markets. , 2017, , .		24
23	Maximizing the cost-savings for time-of-use and net-metering customers using behind-the-meter energy storage systems. , 2017, , .		46
24	Heterogeneous Energy Storage Optimization for Microgrids. IEEE Transactions on Smart Grid, 2016, 7, 1453-1461.	9.0	52
25	Stochastic Optimization of Renewable-Based Microgrid Operation Incorporating Battery Operating Cost. IEEE Transactions on Power Systems, 2016, 31, 2289-2296.	6.5	168
26	A Novel Flow Invariants-Based Approach to Microgrid Management. IEEE Transactions on Smart Grid, 2015, 6, 516-525.	9.0	8
27	Optimal Sizing of a Vanadium Redox Battery System for Microgrid Systems. IEEE Transactions on Sustainable Energy, 2015, 6, 729-737.	8.8	160
28	Modeling of vanadium redox battery by field analysis and neural network approach. , 2014, , .		1
29	A Field Validated Model of a Vanadium Redox Flow Battery for Microgrids. IEEE Transactions on Smart Grid, 2014, 5, 1592-1601.	9.0	78
30	Performance Characterization for Photovoltaic-Vanadium Redox Battery Microgrid Systems. IEEE Transactions on Sustainable Energy, 2014, 5, 1379-1388.	8.8	65
31	Optimization in energy and power management for renewable-diesel microgrids using Dynamic Programming algorithm. , 2012, , .		18
32	Microgrid application with computer models and power management integrated using PSCAD/EMTDC. , 2011, , .		13
33	Computer models for microgrid applications. , 2011, , .		6