Udaya D Annakkage

List of Publications by Year
in descending order

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Version: 2024-02-01

26	507	933447	752698
papers	citations	10 h-index	20 g-index

26	26	26	545
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extending the Frequency Bandwidth of Transient Stability Simulation Using Dynamic Phasors. IEEE Transactions on Power Systems, 2022, 37, 249-259.	6.5	2
2	A Comparison of Inverter Control Modes for Maintaining Voltage Stability During System Contingencies. IEEE Open Access Journal of Power and Energy, 2022, 9, 55-65.	3.4	3
3	A new phase-driven approach to pinpoint source of forced oscillations based on fundamental frequency. Electrical Engineering, 2022, 104, 3015-3025.	2.0	1
4	Optimal Controllers to Improve Transient Recovery of Grid-Following Inverters Connected to Weak Power Grids. IEEE Open Access Journal of Power and Energy, 2022, , 1-1.	3.4	2
5	Three-Stage Data-Driven Phase Analysis to Reveal Generator-Site Origin Source of Forced Oscillations Under Resonance. IEEE Access, 2022, 10, 62365-62376.	4.2	0
6	Power System Oscillation Mode Prediction Based on the Lasso Method. IEEE Access, 2020, 8, 101068-101078.	4.2	5
7	The heuristic model of energy propagation in free space, based on the detection of a current induced in a conductor inside a continuously covered conducting enclosure by an external radio frequency source. Open Physics, 2020, 18, 212-229.	1.7	0
8	Development of an Equivalent Circuit of a Large Power System for Real-Time Security Assessment. IEEE Transactions on Power Systems, 2018, 33, 3490-3499.	6.5	8
9	Stability Analysis of a Hybrid Modular Multilevel Voltage Source Converter. , 2018, , .		0
10	Online Synchrophasor-Based Dynamic State Estimation Using Real-Time Digital Simulator. , 2018, , .		2
11	Development of a hybrid simulator by interfacing dynamic phasors with electromagnetic transient simulation. IET Generation, Transmission and Distribution, 2017, 11, 2991-3001.	2.5	24
12	Demonstration of voltage stability by comparing dynamic simulations and quasi steady state analysis. , 2017, , .		0
13	Design of LCC HVDC wideâ€area emergency power support control based on adaptive dynamic surface control. IET Generation, Transmission and Distribution, 2017, 11, 3236-3245.	2.5	29
14	Derivation of an equivalent circuit for realâ€time security assessment. IET Generation, Transmission and Distribution, 2016, 10, 1913-1920.	2.5	8
15	Screening technique for identifying the risk of subâ€synchronous resonance. IET Generation, Transmission and Distribution, 2016, 10, 1589-1596.	2.5	5
16	Frequency Scan-Based Screening Method for Device Dependent Sub-Synchronous Oscillations. IEEE Transactions on Power Systems, 2016, 31, 1872-1878.	6.5	14
17	Hybrid algorithm for rotor angle security assessment in power systems. Journal of Engineering, 2015, 2015, 241-251.	1.1	5
18	Identification of dominant lowâ€frequency modes in ringâ€down oscillations using multiple Prony models. IET Generation, Transmission and Distribution, 2015, 9, 2206-2214.	2.5	44

#	Article	IF	Citations
19	Prediction of the Transient Stability Boundary Using the Lasso. IEEE Transactions on Power Systems, 2013, 28, 281-288.	6.5	50
20	Short-term frequency support utilizing inertial response of DFIG wind turbines. , 2011, , .		56
21	Risk-Based Dynamic Security Assessment. IEEE Transactions on Power Systems, 2011, 26, 1302-1308.	6.5	38
22	Optimized Partial Eigenstructure Assignment-Based Design of a Combined PSS and Active Damping Controller for a DFIG. IEEE Transactions on Power Systems, 2010, 25, 866-876.	6.5	57
23	Multi-Infeed HVDC Interaction Studies Using Small-Signal Stability Assessment. IEEE Transactions on Power Delivery, 2009, 24, 910-918.	4.3	94
24	Accurate Prediction of Damping in Large Interconnected Power Systems With the Aid of Regression Analysis. IEEE Transactions on Power Systems, 2008, 23, 1170-1178.	6.5	31
25	Modelling induction motor loads for voltage stability analysis. International Journal of Electrical Power and Energy Systems, 2002, 24, 469-480.	5.5	23
26	ac â€" Small power dc hybrid transmission for improving power system stability. Electric Power Systems Research, 2000, 56, 9-15.	3.6	6