

Haoyu Yuan

List of Publications by Year in descending order

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38
papers

945
citations

777949

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721071

23
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all docs

38
docs citations

38
times ranked

1106
citing authors

#	ARTICLE	IF	CITATIONS
1	Synergistic data analytics for electromechanical oscillation in electric power systems. International Journal of Electrical Power and Energy Systems, 2022, 135, 107610.	3.3	3
2	A Comparison of Machine Learning Methods for Frequency Nadir Estimation in Power Systems. , 2022, , .		5
3	A Fast and Accurate Transient Stability Assessment Method Based on Deep Learning: WECC Case Study. , 2022, , .		2
4	Practical Operations of Energy Storage Providing Ancillary Services: From Day-Ahead to Real-Time. , 2021, , .		2
5	Secondary Frequency Regulation from Variable Generation Through Uncertainty Decomposition: An Economic and Reliability Perspective. IEEE Transactions on Sustainable Energy, 2021, 12, 2019-2030.	5.9	12
6	Adding power of artificial intelligence to situational awareness of large interconnections dominated by inverter-based resources. High Voltage, 2021, 6, 924-937.	2.7	5
7	Deep Learning-Based Adaptive Remedial Action Scheme with Security Margin for Renewable-Dominated Power Grids. Energies, 2021, 14, 6563.	1.6	2
8	An eigensystem realization algorithm based data-driven approach for extracting electromechanical oscillation dynamic patterns from synchrophasor measurements in bulk power grids. International Journal of Electrical Power and Energy Systems, 2020, 116, 105549.	3.3	18
9	Deliverable Flexible Ramping Products Considering Spatiotemporal Correlation of Wind Generation and Demand Uncertainties. IEEE Transactions on Power Systems, 2020, 35, 2561-2574.	4.6	29
10	Machine Learning-Based PV Reserve Determination Strategy for Frequency Control on the WECC System. , 2020, , .		6
11	Stochastic subspace identification based data-driven approach for monitoring electromechanical dynamics from phasor measurement units. IET Generation, Transmission and Distribution, 2020, 14, 3983-3991.	1.4	2
12	Developing a Reduced 240-Bus WECC Dynamic Model for Frequency Response Study of High Renewable Integration. , 2020, , .		15
13	A Review on Artificial Intelligence for Grid Stability Assessment. , 2020, , .		28
14	Distributionally-robust chance constrained and interval optimization for integrated electricity and natural gas systems optimal power flow with wind uncertainties. Applied Energy, 2019, 252, 113420.	5.1	56
15	Implementation of Real-time Transient Stability for the Western Interconnection. , 2019, , .		1
16	Implementing Online Oscillation Monitoring and Forced Oscillation Source Locating at Peak Reliability. , 2019, , .		6
17	A measurement-based VSI for voltage dependent loads using angle difference between tangent lines of load and PV curves. Electric Power Systems Research, 2018, 160, 13-16.	2.1	9
18	A cooperative game approach for coordinating multi-microgrid operation within distribution systems. Applied Energy, 2018, 222, 383-395.	5.1	145

#	ARTICLE	IF	CITATIONS
19	Novel Linearized Power Flow and Linearized OPF Models for Active Distribution Networks With Application in Distribution LMP. IEEE Transactions on Smart Grid, 2018, 9, 438-448.	6.2	253
20	Distribution Locational Marginal Price for Grid-Connected Microgrids in Real-Time Balancing Market. , 2018, , .		1
21	Virtual Bus Angle for Phase Angle Monitoring and its Implementation in the Western Interconnection. , 2018, , .		3
22	Estimating electromechanical oscillation modes from synchrophasor measurements in bulk power grids using FSSI. IET Generation, Transmission and Distribution, 2018, 12, 2347-2358.	1.4	6
23	GPU-Based Fast Decoupled Power Flow With Preconditioned Iterative Solver and Inexact Newton Method. IEEE Transactions on Power Systems, 2017, 32, 2695-2703.	4.6	58
24	Wide-area measurement-based voltage stability sensitivity and its application in voltage control. International Journal of Electrical Power and Energy Systems, 2017, 88, 87-98.	3.3	28
25	Spatial-temporal decomposition approach for systematically tracking dominant modes, mode shapes and coherent groups in power systems. IET Generation, Transmission and Distribution, 2017, 11, 1889-1900.	1.4	6
26	QV interaction evaluation and pilot voltage-reactive power coupling area partitioning in bulk power systems. IET Science, Measurement and Technology, 2017, 11, 270-278.	0.9	6
27	Control and limit enforcements for VSC multi-terminal HVDC in newton power flow. , 2017, , .		2
28	Mitigate overestimation of voltage stability margin by coupled single-port circuit models. , 2016, , .		4
29	Risk Constrained Scheduling of Energy Storage for Load Serving Entities Considering Load and LMP Uncertainties. IFAC-PapersOnLine, 2016, 49, 318-323.	0.5	6
30	Identification of voltage stability critical injection region in bulk power systems based on the relative gain of voltage coupling. IET Generation, Transmission and Distribution, 2016, 10, 1495-1503.	1.4	21
31	A Novel Dominant Mode Estimation Method for Analyzing Inter-Area Oscillation in China Southern Power Grid. IEEE Transactions on Smart Grid, 2016, 7, 2549-2560.	6.2	41
32	Estimating inter-area dominant oscillation mode in bulk power grid using multi-channel continuous wavelet transform. Journal of Modern Power Systems and Clean Energy, 2016, 4, 394-405.	3.3	16
33	Projection Pursuit: A General Methodology of Wide-Area Coherency Detection in Bulk Power Grid. IEEE Transactions on Power Systems, 2016, 31, 2776-2786.	4.6	39
34	Stochastic subspace identification-based approach for tracking inter-area oscillatory modes in bulk power system utilising synchrophasor measurements. IET Generation, Transmission and Distribution, 2015, 9, 2409-2418.	1.4	35
35	Hybrid voltage stability assessment (VSA) for N+1 contingency. Electric Power Systems Research, 2015, 122, 65-75.	2.1	33
36	Real-time wide-area loading margin sensitivity (WALMS) in power systems. , 2015, , .		9

#	ARTICLE	IF	CITATIONS
37	A comparative study of measurement-based Thevenin equivalent identification methods. , 2014, , .		31
38	LMP step pattern detection based on real-time data. , 2013, , .		1