

Chengxi Liu

List of Publications by Year in descending order

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735
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling and Analysis of Electromagnetic Time Scale Voltage Variation Affected by Power Electronic Interfaced Voltage Regulatory Devices. IEEE Transactions on Power Systems, 2022, 37, 1102-1112.	6.5	18
2	Analytical static voltage stability boundary based on holomorphic embedding. International Journal of Electrical Power and Energy Systems, 2022, 134, 107386.	5.5	4
3	Fast Grid Frequency and Voltage Control of Battery Energy Storage System Based on the Amplitude-Phase-Locked-Loop. IEEE Transactions on Smart Grid, 2022, 13, 941-953.	9.0	46
4	A study of harmonic spatial propagation along AC power lines of meshed power systems. IET Circuits, Devices and Systems, 2022, 16, 337-349.	1.4	1
5	Formulation and Visualization of Bus Voltage-Var Safety Regions for a Power System. IEEE Transactions on Power Systems, 2022, 37, 3153-3156.	6.5	6
6	Propagation of harmonics in electrical grids: a review of selected issues. Electrical Engineering, 2022, 104, 2819-2826.	2.0	3
7	Vulnerability assessment for voltage stability based on solvability regions of decoupled power flow equations. Applied Energy, 2021, 304, 117738.	10.1	12
8	Uncertainty Evaluation Algorithm in Power System Dynamic Analysis With Correlated Renewable Energy Sources. IEEE Transactions on Power Systems, 2021, 36, 5602-5611.	6.5	25
9	Non-Intrusive Load Monitoring Using a CNN-LSTM-RF Model Considering Label Correlation and Class-Imbalance. IEEE Access, 2021, 9, 84306-84315.	4.2	22
10	A Faster Estimation Method for Electromechanical Oscillation Frequencies. , 2021, , .		0
11	Study on The Dynamics of Natural Gas System and Linepack Storage in Integrated Energy Systems. , 2021, , .		0
12	Modeling and Feasibility Analysis of Hydrogen Fuel Cells Powered All Electric Aircrafts. , 2021, , .		1
13	Measurement-Based Voltage Stability Assessment Considering Generator VAR Limits. IEEE Transactions on Smart Grid, 2020, 11, 301-311.	9.0	8
14	A scenario-based analytical method for probabilistic load flow analysis. Electric Power Systems Research, 2020, 181, 106193.	3.6	31
15	A Recent Overview of Power-to-Gas Projects. , 2020, , .		4
16	Measurement-Based Voltage Stability Assessment Considering Generator VAR Limits. , 2020, , .		0
17	Managing Harmonics in Wind Power Plants Using the Control of Wind Turbines. , 2020, , .		2
18	Remote Voltage Control Using the Holomorphic Embedding Load Flow Method. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
19	Harmonic Management for Wind Power Plant Using Embedded Filter Control in Wind Turbine. , 2020, , .		0
20	Remote Harmonic Mitigation within Offshore Wind Power Plants by Embedded Active Filters in Grid-Side Converters. , 2020, , .		0
21	Fast Power System Dynamic Simulations Based on Differential Transform Method. , 2020, , .		0
22	Analysis of Harmonic Spatial Distribution Along AC Power Lines of Meshed Power Systems. , 2020, , .		1
23	Modelling and Control of Wind-PV-SOFC-Battery Based DC Microgrid. , 2020, , .		1
24	Optimization of Battery Energy Storage to Improve Power System Oscillation Damping. IEEE Transactions on Sustainable Energy, 2019, 10, 1015-1024.	8.8	70
25	A Faster Estimation Method for Electromechanical Oscillation Frequencies. IEEE Transactions on Power Systems, 2019, 34, 3280-3282.	6.5	2
26	Analytical Solutions for Power Flow Equations Based on the Multivariate Quotient-Difference Method. , 2019, , .		1
27	Adaptive protection combined with machine learning for microgrids. IET Generation, Transmission and Distribution, 2019, 13, 770-779.	2.5	115
28	Remote Voltage Control Using the Holomorphic Embedding Load Flow Method. IEEE Transactions on Smart Grid, 2019, 10, 6308-6319.	9.0	14
29	Optimal Battery Energy Storage Placement for Transient Voltage Stability Enhancement. , 2019, , .		10
30	A Novel Equivalent Model of Active Distribution Networks Based on LSTM. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2611-2624.	11.3	57
31	Damping control for a target oscillation mode using battery energy storage. Journal of Modern Power Systems and Clean Energy, 2018, 6, 833-845.	5.4	29
32	Online Voltage Stability Assessment for Load Areas Based on the Holomorphic Embedding Method. IEEE Transactions on Power Systems, 2018, 33, 3720-3734.	6.5	48
33	Multi-Stage Holomorphic Embedding Method for Calculating the Power-Voltage Curve. IEEE Transactions on Power Systems, 2018, 33, 1127-1129.	6.5	36
34	An Accurate Online Dynamic Security Assessment Scheme Based on Random Forest. Energies, 2018, 11, 1914.	3.1	27
35	Probabilistic Power Flow Analysis Using Multidimensional Holomorphic Embedding and Generalized Cumulants. IEEE Transactions on Power Systems, 2018, 33, 7132-7142.	6.5	35
36	A Multi-Dimensional Holomorphic Embedding Method to Solve AC Power Flows. IEEE Access, 2017, 5, 25270-25285.	4.2	47

#	ARTICLE	IF	CITATIONS
37	A systematic approach for dynamic security assessment and the corresponding preventive control scheme based on decision trees. , 2014, , .		10
38	A Systematic Approach for Dynamic Security Assessment and the Corresponding Preventive Control Scheme Based on Decision Trees. IEEE Transactions on Power Systems, 2014, 29, 717-730.	6.5	155
39	Modular power architectures for microgrid clusters. , 2014, , .		4
40	Dynamic security assessment of Danish power system based on decision trees: Today and tomorrow. , 2013, , .		6
41	Optimal PMU Placement by improved particle swarm optimization. , 2013, , .		15
42	Importance sampling based decision trees for security assessment and the corresponding preventive control schemes: The Danish case study. , 2013, , .		7
43	Practical testing and performance analysis of Phasor Measurement Unit using real time digital simulator (RTDS). , 2012, , .		6
44	Transient stability assessment of power system with large amount of wind power penetration: The Danish case study. , 2012, , .		11
45	A communication-less overcurrent protection for distribution system with distributed generation integrated. , 2012, , .		13
46	Adaptive voltage stability protection based on load identification using Phasor Measurement Units. , 2011, , .		6