

# Chengxi Liu

## List of Publications by Year in descending order

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46  
papers

910  
citations

567281

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677142

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all docs

46  
docs citations

46  
times ranked

735  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Adaptive protection combined with machine learning for microgrids. IET Generation, Transmission and Distribution, 2019, 13, 770-779.	2.5	115
3	Optimization of Battery Energy Storage to Improve Power System Oscillation Damping. IEEE Transactions on Sustainable Energy, 2019, 10, 1015-1024.	8.8	70
4	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
5	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
6	A Multi-Dimensional Holomorphic Embedding Method to Solve AC Power Flows. IEEE Access, 2017, 5, 25270-25285.	4.2	47
7	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
8	Multi-Stage Holomorphic Embedding Method for Calculating the Power-Voltage Curve. IEEE Transactions on Power Systems, 2018, 33, 1127-1129.	6.5	36
9	Probabilistic Power Flow Analysis Using Multidimensional Holomorphic Embedding and Generalized Cumulants. IEEE Transactions on Power Systems, 2018, 33, 7132-7142.	6.5	35
10	A scenario-based analytical method for probabilistic load flow analysis. Electric Power Systems Research, 2020, 181, 106193.	3.6	31
11	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
12	An Accurate Online Dynamic Security Assessment Scheme Based on Random Forest. Energies, 2018, 11, 1914.	3.1	27
13	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
14	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
15	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
16	Optimal PMU Placement by improved particle swarm optimization. , 2013, , .		15
17	Remote Voltage Control Using the Holomorphic Embedding Load Flow Method. IEEE Transactions on Smart Grid, 2019, 10, 6308-6319.	9.0	14
18	A communication-less overcurrent protection for distribution system with distributed generation integrated. , 2012, , .		13

#	ARTICLE	IF	CITATIONS
19	Vulnerability assessment for voltage stability based on solvability regions of decoupled power flow equations. <i>Applied Energy</i> , 2021, 304, 117738.	10.1	12
20	Transient stability assessment of power system with large amount of wind power penetration: The Danish case study. , 2012, , .		11
21	A systematic approach for dynamic security assessment and the corresponding preventive control scheme based on decision trees. , 2014, , .		10
22	Optimal Battery Energy Storage Placement for Transient Voltage Stability Enhancement. , 2019, , .		10
23	Measurement-Based Voltage Stability Assessment Considering Generator VAR Limits. <i>IEEE Transactions on Smart Grid</i> , 2020, 11, 301-311.	9.0	8
24	Importance sampling based decision trees for security assessment and the corresponding preventive control schemes: The Danish case study. , 2013, , .		7
25	Adaptive voltage stability protection based on load identification using Phasor Measurement Units. , 2011, , .		6
26	Practical testing and performance analysis of Phasor Measurement Unit using real time digital simulator (RTDS). , 2012, , .		6
27	Dynamic security assessment of Danish power system based on decision trees: Today and tomorrow. , 2013, , .		6
28	Formulation and Visualization of Bus Voltage-Var Safety Regions for a Power System. <i>IEEE Transactions on Power Systems</i> , 2022, 37, 3153-3156.	6.5	6
29	Modular power architectures for microgrid clusters. , 2014, , .		4
30	Analytical static voltage stability boundary based on holomorphic embedding. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 134, 107386.	5.5	4
31	A Recent Overview of Power-to-Gas Projects. , 2020, , .		4
32	Propagation of harmonics in electrical grids: a review of selected issues. <i>Electrical Engineering</i> , 2022, 104, 2819-2826.	2.0	3
33	A Faster Estimation Method for Electromechanical Oscillation Frequencies. <i>IEEE Transactions on Power Systems</i> , 2019, 34, 3280-3282.	6.5	2
34	Managing Harmonics in Wind Power Plants Using the Control of Wind Turbines. , 2020, , .		2
35	Analytical Solutions for Power Flow Equations Based on the Multivariate Quotient-Difference Method. , 2019, , .		1
36	Remote Voltage Control Using the Holomorphic Embedding Load Flow Method. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
37	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
38	Analysis of Harmonic Spatial Distribution Along AC Power Lines of Meshed Power Systems. , 2020, , .		1
39	Modelling and Control of Wind-PV-SOFC-Battery Based DC Microgrid. , 2020, , .		1
40	Modeling and Feasibility Analysis of Hydrogen Fuel Cells Powered All Electric Aircrafts. , 2021, , .		1
41	Measurement-Based Voltage Stability Assessment Considering Generator VAR Limits. , 2020, , .		0
42	Harmonic Management for Wind Power Plant Using Embedded Filter Control in Wind Turbine. , 2020, , .		0
43	Remote Harmonic Mitigation within Offshore Wind Power Plants by Embedded Active Filters in Grid-Side Converters. , 2020, , .		0
44	Fast Power System Dynamic Simulations Based on Differential Transform Method. , 2020, , .		0
45	A Faster Estimation Method for Electromechanical Oscillation Frequencies. , 2021, , .		0
46	Study on The Dynamics of Natural Gas System and Linepack Storage in Integrated Energy Systems. , 2021, , .		0