

# Quanyuan Jiang

## List of Publications by Year in descending order

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times ranked

671  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Time-Scale Coordination Control for a Battery Energy Storage System to Mitigate Wind Power Fluctuations. IEEE Transactions on Energy Conversion, 2013, 28, 52-61.	5.2	159
2	Fast Transient Stability Batch Assessment Using Cascaded Convolutional Neural Networks. IEEE Transactions on Power Systems, 2019, 34, 2802-2813.	6.5	106
3	Robust Co-Planning of Energy Storage and Transmission Line With Mixed Integer Recourse. IEEE Transactions on Power Systems, 2019, 34, 4728-4738.	6.5	70
4	An Enhanced Numerical Discretization Method for Transient Stability Constrained Optimal Power Flow. IEEE Transactions on Power Systems, 2010, 25, 1790-1797.	6.5	64
5	An Efficient Optimal Control Method for Open-Loop Transient Stability Emergency Control. IEEE Transactions on Power Systems, 2017, 32, 2704-2713.	6.5	48
6	Model-Free Fast Frequency Control Support With Energy Storage System. IEEE Transactions on Power Systems, 2020, 35, 3078-3086.	6.5	41
7	A Two-Level Parallel Decomposition Approach for Transient Stability Constrained Optimal Power Flow. IEEE Transactions on Power Systems, 2012, 27, 2063-2073.	6.5	34
8	Ramp Event Forecast Based Wind Power Ramp Control With Energy Storage System. IEEE Transactions on Power Systems, 2016, 31, 1831-1844.	6.5	33
9	A Parallel Reduced-Space Interior Point Method With Orthogonal Collocation for First-Swing Stability Constrained Emergency Control. IEEE Transactions on Power Systems, 2014, 29, 84-92.	6.5	28
10	Hierarchical Unit Commitment With Uncertain Wind Power Generation. IEEE Transactions on Power Systems, 2016, 31, 94-104.	6.5	27
11	An Efficient Parallel Krylov-Schur Method for Eigen-Analysis of Large-Scale Power Systems. IEEE Transactions on Power Systems, 2016, 31, 920-930.	6.5	26
12	An Efficient Parallel Sequential Approach for Transient Stability Emergency Control of Large-Scale Power System. IEEE Transactions on Power Systems, 2018, 33, 5854-5864.	6.5	24
13	A Sequential Approach for Small Signal Stability Enhancement With Optimizing Generation Cost. IEEE Transactions on Power Systems, 2019, 34, 4828-4836.	6.5	22
14	Parallel Transient Stability-Constrained Optimal Power Flow Using GPU as Coprocessor. IEEE Transactions on Smart Grid, 2017, 8, 1436-1445.	9.0	20
15	Temperature characterization based state-of-charge estimation for pouch lithium-ion battery. Journal of Power Sources, 2022, 535, 231441.	7.8	16
16	Energy Management of CHP-Based Microgrid with Thermal Storage for Reducing Wind Curtailment. Journal of Energy Engineering - ASCE, 2018, 144, .	1.9	14
17	Power Allocation Strategy for Battery Energy Storage System Based on Cluster Switching. IEEE Transactions on Industrial Electronics, 2022, 69, 3700-3710.	7.9	14
18	Transient Stability Emergency Control Using Asynchronous Parallel Mixed-Integer Pattern Search. IEEE Transactions on Smart Grid, 2018, 9, 2976-2985.	9.0	12

#	ARTICLE	IF	CITATIONS
19	Operational Bottleneck Identification Based Energy Storage Investment Requirement Analysis for Renewable Energy Integration. IEEE Transactions on Sustainable Energy, 2021, 12, 92-102.	8.8	12
20	Online Tracking of Reactive Power Reserve For Wind Farms. IEEE Transactions on Sustainable Energy, 2020, 11, 1100-1102.	8.8	11
21	Cloud-Based Non-Intrusive Leakage Current Detection for Residential Appliances. IEEE Transactions on Power Delivery, 2020, 35, 1977-1986.	4.3	9
22	Data-Driven Transient Stability Boundary Generation for Online Security Monitoring. IEEE Transactions on Power Systems, 2021, 36, 3042-3052.	6.5	9
23	A Parallel Contour Integral Method for Eigenvalue Analysis of Power Systems. IEEE Transactions on Power Systems, 2017, 32, 624-632.	6.5	8
24	A Parallelized Contour Integral Rayleigh-Ritz Method for Computing Critical Eigenvalues of Large-Scale Power Systems. IEEE Transactions on Smart Grid, 2018, 9, 3573-3581.	9.0	7
25	Impact of Time-Coupled Generator Formulation on Energy Storage Sizing Problem. , 2018, , .		2
26	A Fast Dynamic Optimization Approach for Transient Stability Emergency Control. , 2018, , .		1
27	Transient stability emergency control for AC/DC grids considering successive commutation failures. IET Generation, Transmission and Distribution, 2022, 16, 1319-1333.	2.5	1
28	Data-Driven Small-Signal Stability Boundary Based on Damping Ratio Sensitivity. , 2022, , .		0