

# Zhenglong Sun

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Real-Time Adaptive UVLS by Optimized Fuzzy Controllers for Short-Term Voltage Stability Control. IEEE Transactions on Power Systems, 2022, 37, 1449-1460.	6.5	10
2	Evaluating generator damping for wind-integrated power system in ambient conditions. IET Renewable Power Generation, 2022, 16, 300-312.	3.1	6
3	Maximum Correntropy with Variable Center Unscented Kalman Filter for Robust Power System State Estimation. Entropy, 2022, 24, 516.	2.2	4
4	Data-Driven Estimation of Inertia for Multiarea Interconnected Power Systems Using Dynamic Mode Decomposition. IEEE Transactions on Industrial Informatics, 2021, 17, 2686-2695.	11.3	40
5	Synchronized Ambient Output-Only Based Online Inter-Area Transfer Capability Assessment Considering Small Signal Stability. IEEE Transactions on Power Systems, 2021, 36, 261-270.	6.5	9
6	Application of power system energy structures to track dominated oscillation paths and generator damping contribution during low-frequency oscillations. International Journal of Electrical Power and Energy Systems, 2019, 104, 52-68.	5.5	13
7	A Coordinated Dual-Channel Wide Area Damping Control Strategy for a Doubly-Fed Induction Generator Used for Suppressing Inter-Area Oscillation. Applied Sciences (Switzerland), 2019, 9, 2353.	2.5	4
8	Inertia Estimation Based on Observed Electromechanical Oscillation Response for Power Systems. IEEE Transactions on Power Systems, 2019, 34, 4291-4299.	6.5	59
9	Harmonic Detection for Power Grids Using Adaptive Variational Mode Decomposition. Energies, 2019, 12, 232.	3.1	16
10	Synchrophasor-Based Dominant Electromechanical Oscillation Modes Extraction Using OpDMD Considering Measurement Noise. IEEE Systems Journal, 2019, 13, 3185-3193.	4.6	13
11	A Method for the Evaluation of Generator Damping During Low-Frequency Oscillations. IEEE Transactions on Power Systems, 2019, 34, 109-119.	6.5	13
12	Oscillation Analysis and Wide-Area Damping Control of DFIGs for Renewable Energy Power Systems Using Line Modal Potential Energy. IEEE Transactions on Power Systems, 2018, 33, 3460-3471.	6.5	32
13	A method for the design of UFLS schemes of regional power system using improved frequency response model. International Transactions on Electrical Energy Systems, 2017, 27, e2365.	1.9	6
14	Extraction and Analysis of Inter-area Oscillation Using Improved Multi-signal Matrix Pencil Algorithm Based on Data Reduction in Power System. International Journal of Emerging Electric Power Systems, 2016, 17, 435-450.	0.8	3
15	Impact of different wind power generators on small signal stability of power systems. , 2015, , .		1