

# Rui Fan

## List of Publications by Year in descending order

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papers

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citations

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docs citations

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times ranked

657  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Power System Emergency Control Using Deep Reinforcement Learning. IEEE Transactions on Smart Grid, 2020, 11, 1171-1182.	6.2	205
2	Dynamic State Estimation-Based Protection: Status and Promise. IEEE Transactions on Power Delivery, 2017, 32, 320-330.	2.9	93
3	Calibrating Parameters of Power System Stability Models Using Advanced Ensemble Kalman Filter. IEEE Transactions on Power Systems, 2018, 33, 2895-2905.	4.6	87
4	Dynamic State Estimation Based Protection on Series Compensated Transmission Lines. IEEE Transactions on Power Delivery, 2017, 32, 2199-2209.	2.9	62
5	Dynamic state estimation-based fault locating on transmission lines. IET Generation, Transmission and Distribution, 2017, 11, 4184-4192.	1.4	59
6	Precise Fault Location on Transmission Lines Using Ensemble Kalman Filter. IEEE Transactions on Power Delivery, 2018, 33, 3252-3255.	2.9	46
7	Interarea Oscillation Damping Control Using High-Voltage DC Transmission: A Survey. IEEE Transactions on Power Systems, 2018, 33, 6915-6923.	4.6	44
8	Transmission Line Fault Location in MMC-HVDC Grids Based on Dynamic State Estimation and Gradient Descent. IEEE Transactions on Power Delivery, 2021, 36, 1714-1725.	2.9	38
9	Multi Energy System With an Associated Energy Hub: A Review. IEEE Access, 2021, 9, 127753-127766.	2.6	31
10	Impact of Cyber Attacks on High Voltage DC Transmission Damping Control. Energies, 2018, 11, 1046.	1.6	18
11	Dynamic state estimation-based protection of power transformers. , 2015, , .		17
12	Gaussian Mixture Model-Based Ensemble Kalman Filter for Machine Parameter Calibration. IEEE Transactions on Energy Conversion, 2018, 33, 1597-1599.	3.7	13
13	Command authentication via faster than real time simulation. , 2016, , .		12
14	A Comparative Study of Interface Techniques for Transmission and Distribution Dynamic Co-Simulation. , 2018, , .		12
15	Transmission Line Fault Location Using Deep Learning Techniques. , 2019, , .		12
16	Data Attack Detection and Command Authentication via Cyber-Physical Comodeling. IEEE Design and Test, 2017, 34, 34-43.	1.1	11
17	Nonlinear model predictive control of HVDC for inter-area oscillation damping. Electric Power Systems Research, 2018, 165, 27-34.	2.1	11
18	Dynamic State Estimation based protection of microgrid circuits. , 2015, , .		9

#	ARTICLE	IF	CITATIONS
19	The impact of solar storms on protective relays for saturable-core transformers. , 2017, , .		9
20	Wide-area measurement-based modal decoupling for power system oscillation damping. Electric Power Systems Research, 2020, 178, 106022.	2.1	9
21	A Guided Evolutionary Strategy Based-Static Var Compensator Control Approach for Interarea Oscillation Damping. IEEE Transactions on Industrial Informatics, 2023, 19, 2596-2607.	7.2	9
22	Risk-oriented PMU placement approach in electric power systems. IET Generation, Transmission and Distribution, 2020, 14, 301-307.	1.4	8
23	Linear quadratic control of SSSC to increase power oscillations damping of HVDC-AC power system. , 2015, , .		6
24	Capacitor bank protection via constraint WLS dynamic state estimation method (CWLS-DSE). , 2016, , .		6
25	A Robust Dynamic State Estimation Approach Against Model Errors Caused by Load Changes. IEEE Transactions on Power Systems, 2020, 35, 4518-4527.	4.6	6
26	Comparison of transformer legacy protective functions and a dynamic state estimation-based approach. Electric Power Systems Research, 2020, 184, 106301.	2.1	6
27	Microgrid black-start after natural disaster with load restoration using spanning tree search. , 2016, , .		5
28	Reliability evaluation with cost analysis of alternate wind energy farms and interconnections. , 2012, , .		4
29	Damping inter-area oscillation using reinforcement learning controlled TCSC. IET Generation, Transmission and Distribution, 2022, 16, 2265-2275.	1.4	4
30	Transformer inter-turn faults detection by dynamic state estimation method. , 2016, , .		3
31	Oscillation Damping Control Using Multiple High Voltage DC Transmission Lines: Controllability Exploration. , 2018, , .		3
32	Stochastically Stable Synchronous Learning for EV Aggregators Considering Their Collective Age of Information. IEEE Transactions on Transportation Electrification, 2022, 8, 432-441.	5.3	3
33	New data-driven approach to bridging power system protection gaps with deep learning. Electric Power Systems Research, 2022, 208, 107863.	2.1	3
34	Optimal Power Flow Estimation Using One-Dimensional Convolutional Neural Network. , 2021, , .		3
35	Transient response improvement of doubly-fed induction machine during unbalanced network. , 2013, , .		2
36	Dynamic state estimation enabled predictive inverter control. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
37	A market-based operation method for distribution system with distributed generation and demand response. , 2013, , .		1
38	State space based modeling and sensitivity analysis of DFIG in an unbalanced network. , 2013, , .		1
39	An Improved Phasor Domain Parameter-Free Fault Location Algorithm on Untransposed Lines. , 2020, , .		1
40	Optimal operation and sizing of pumped thermal energy storage for net benefits maximization. IET Generation, Transmission and Distribution, 2022, 16, 3509-3521.	1.4	1
41	Probability state sequence method for reliability analysis of wind farms considering wake effect. , 2013, , .		0
42	A Study of Wind Turbine Parameter Calibration Using Machine Learning Approaches. , 2021, , .		0