Yi Tan

List of Publications by Year in descending order

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54 papers	1,953 citations	361413 20 h-index	414414 32 g-index
54 all docs	54 docs citations	54 times ranked	2217 citing authors

#	Article	IF	Citations
1	An Optimized EV Charging Model Considering TOU Price and SOC Curve. IEEE Transactions on Smart Grid, 2012, 3, 388-393.	9.0	687
2	Optimal Stochastic Operation of Integrated Low-Carbon Electric Power, Natural Gas, and Heat Delivery System. IEEE Transactions on Sustainable Energy, 2018, 9, 273-283.	8.8	208
3	A Virtual Synchronous Generator Control Strategy for VSC-MTDC Systems. IEEE Transactions on Energy Conversion, 2018, 33, 750-761.	5.2	133
4	Service Restoration Model With Mixed-Integer Second-Order Cone Programming for Distribution Network With Distributed Generations. IEEE Transactions on Smart Grid, 2019, 10, 4138-4150.	9.0	100
5	A comprehensive review of Energy Internet: basic concept, operation and planning methods, and research prospects. Journal of Modern Power Systems and Clean Energy, 2018, 6, 399-411.	5.4	77
6	Chance-Constrained Optimization-Based Unbalanced Optimal Power Flow for Radial Distribution Networks. IEEE Transactions on Power Delivery, 2013, 28, 1855-1864.	4.3	65
7	A Full Decentralized Multi-Agent Service Restoration for Distribution Network With DGs. IEEE Transactions on Smart Grid, 2020, 11, 1100-1111.	9.0	56
8	Cyber-physical electrical energy systems: challenges and issues. CSEE Journal of Power and Energy Systems, 2015, 1, 36-42.	1.1	45
9	Linearizing Power Flow Model: A Hybrid Physical Model-Driven and Data-Driven Approach. IEEE Transactions on Power Systems, 2020, 35, 2475-2478.	6.5	43
10	Stochastic optimization of integrated energy system considering network dynamic characteristics and psychological preference. Journal of Cleaner Production, 2020, 275, 122992.	9.3	39
11	Coordinated Control Strategy of PMSG and Cascaded H-Bridge STATCOM in Dispersed Wind Farm for Suppressing Unbalanced Grid Voltage. IEEE Transactions on Sustainable Energy, 2021, 12, 349-359.	8.8	35
12	Hierarchical Decomposition for Betweenness Centrality Measure of Complex Networks. Scientific Reports, 2017, 7, 46491.	3.3	34
13	A Simplified Co-Simulation Model for Investigating Impacts of Cyber-Contingency on Power System Operations. IEEE Transactions on Smart Grid, 2018, 9, 4893-4905.	9.0	34
14	Optimal allocation of multi-type FACTS devices in power systems based on power flow entropy. Journal of Modern Power Systems and Clean Energy, 2014, 2, 173-180.	5.4	32
15	Distributed modeling considering uncertainties for robust operation of integrated energy system. Energy, 2021, 224, 120179.	8.8	32
16	Optimal energy management for the residential MES. IET Generation, Transmission and Distribution, 2019, 13, 1786-1793.	2.5	31
17	Impact of uncertainty and correlation on operation of micro-integrated energy system. International Journal of Electrical Power and Energy Systems, 2019, 112, 262-271.	5.5	31
18	Distributed Operation for Integrated Electricity and Heat System With Hybrid Stochastic/Robust Optimization. International Journal of Electrical Power and Energy Systems, 2021, 128, 106680.	5.5	31

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19	Microgrid stochastic economic load dispatch based on two-point estimate method and improved particle swarm optimization. International Transactions on Electrical Energy Systems, 2015, 25, 2144-2164.	1.9	26
20	A Two-Stage Stochastic Programming Approach Considering Risk Level for Distribution Networks Operation With Wind Power. IEEE Systems Journal, 2016, 10, 117-126.	4.6	26
21	A Fast Sensitivity-Based Preventive Control Selection Method for Online Voltage Stability Assessment. IEEE Transactions on Power Systems, 2018, 33, 4189-4196.	6.5	22
22	Severe Cyber Attack for Maximizing the Total Loadings of Large-Scale Attacked Branches. IEEE Transactions on Smart Grid, 2018, 9, 6998-7000.	9.0	18
23	Transactive energy system: a review of cyberâ€physical infrastructure and optimal scheduling. IET Generation, Transmission and Distribution, 2020, 14, 173-179.	2.5	17
24	Autonomous energy community based on energy contract. IET Generation, Transmission and Distribution, 2020, 14, 682-689.	2.5	17
25	Integrated Optimization of Network Topology and DG Outputs for MVDC Distribution Systems. IEEE Transactions on Power Systems, 2018, 33, 1121-1123.	6.5	15
26	Electric Load Profile of 5G Base Station in Distribution Systems Based on Data Flow Analysis. IEEE Transactions on Smart Grid, 2022, 13, 2452-2466.	9.0	15
27	Maximizing Network Resilience against Malicious Attacks. Scientific Reports, 2019, 9, 2261.	3.3	14
28	Capacity optimisation method of distribution static synchronous compensator considering the risk of voltage sag in highâ€voltage distribution networks. IET Generation, Transmission and Distribution, 2015, 9, 2602-2610.	2.5	11
29	A MMC-SST based power quality improvement method for the medium and high voltage distribution network. , 2016, , .		11
30	Enhancing Hosting Capacity of Uncertain and Correlated Wind Power in Distribution Network With ANM Strategies. IEEE Access, 2020, 8, 189115-189128.	4.2	11
31	Comprehensive decisionâ€making method considering voltage risk for preventive and corrective control of power system. IET Generation, Transmission and Distribution, 2016, 10, 1544-1552.	2.5	8
32	An Emergency Energy Management for AC/DC Micro-grids in Industrial Park. IFAC-PapersOnLine, 2018, 51, 251-255.	0.9	4
33	Energy management system architecture for new energy power supply system of islands. , 2012, , .		3
34	MILP Model for Hosting Capacity Assessment of Distributed Generation in Distribution Networks Considering ZIP load Model. , 2019, , .		3
35	Model predictive control considering cyber-physical system to dampen low frequency oscillation of interconnected power systems. , 2015, , .		2
36	Reconfiguration optimization of DC zonal distribution network of shipboard power system. , 2016, , .		2

#	Article	IF	Citations
37	An impedance modulus margin based approach for voltage stability evaluation of distribution networks with wind power generations. , 2016, , .		2
38	Optimal multiperiod dispatch for hybrid VSC-MTDC and AC grids by coordination of offshore wind farm and battery energy storage. , 2017, , .		2
39	P-Q Coordinated Planning Method for Distributed Generation in Distribution Network. , 2018, , .		2
40	Optimal Operation for Hybrid AC and DC Systems Considering Branch Switching and VSC Control. IEEE Systems Journal, 2022, 16, 6708-6716.	4.6	2
41	A multi-stage generator reconfiguration method for relieving transmission congestion. , 2015, , .		1
42	Optimal placement of distributed generations considering carbon emission constraint. , 2015, , .		1
43	Locating and sizing of distributed generations considering local consumption and power export potential. , 2017, , .		1
44	Optimal configuration of multiple-type DGs for max penetration using a temporal P-Q model. , 2017, , .		1
45	A Robust Mixed-Integer Second-Order Cone Programming for Service Restoration of Distribution Network. , 2018, , .		1
46	Linear Models of the VSC-MTDC Systems with the Droop Controls for Power Flow Analysis. , 2019, , .		1
47	An Interval Programming Based OPF Model Considering N-1 Security Criterion for Hybrid AC/DC Power Systems. , 2020, , .		1
48	A medium and long-term carbon emission forecasting method for provincial power grid. , 2014, , .		0
49	CHP-based DG allocation considering the operation constraints of heating and gas systems. , 2016, , .		0
50	Risk analysis of cascading blackout on generator voltage-class-reduction scheme. , 2016, , .		0
51	A convex model for optimal day-ahead dispatch considering wind generators and network reconfiguration. , 2017, , .		0
52	Day-ahead Optimal Scheduling for Sensitive Loads and Demand Response Resources in Power System. , 2019, , .		0
53	An N-1 Short-Time Security Constrained Dispatch for Hybrid AC/DC Power Systems: Chance Constrained Approach. , 2020, , .		0
54	An Improved Backward/Forward Algorithm for Distribution Network Power Flow Calculation Considering Meteorological Factors. , 2021, , .		0