# Yi Tan

## List of Publications by Year
in descending order

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

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | Optimal Operation for Hybrid AC and DC Systems Considering Branch Switching and VSC Control. IEEE Systems Journal, 2022, 16, 6708-6716. | 4.6 | 2 |
| 3 | 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 |
| 4 | 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 |
| 5 | Distributed modeling considering uncertainties for robust operation of integrated energy system. Energy, 2021, 224, 120179. | 8.8 | 32 |
| 6 | An Improved Backward/Forward Algorithm for Distribution Network Power Flow Calculation Considering Meteorological Factors. , 2021, , . | | 0 |
| 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 | Stochastic optimization of integrated energy system considering network dynamic characteristics and psychological preference. Journal of Cleaner Production, 2020, 275, 122992. | 9.3 | 39 |
| 9 | Enhancing Hosting Capacity of Uncertain and Correlated Wind Power in Distribution Network With ANM Strategies. IEEE Access, 2020, 8, 189115-189128. | 4.2 | 11 |
| 10 | Transactive energy system: a review of cyber–physical infrastructure and optimal scheduling. IET Generation, Transmission and Distribution, 2020, 14, 173-179. | 2.5 | 17 |
| 11 | 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 |
| 12 | Autonomous energy community based on energy contract. IET Generation, Transmission and Distribution, 2020, 14, 682-689. | 2.5 | 17 |
| 13 | An Interval Programming Based OPF Model Considering N-1 Security Criterion for Hybrid AC/DC Power Systems. , 2020, , . | | 1 |
| 14 | An N-1 Short-Time Security Constrained Dispatch for Hybrid AC/DC Power Systems: Chance Constrained Approach. , 2020, , . | | 0 |
| 15 | 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 |
| 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 | Maximizing Network Resilience against Malicious Attacks. Scientific Reports, 2019, 9, 2261. | 3.3 | 14 |

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|---|---------|-----|-----------|
| 19 | MILP Model for Hosting Capacity Assessment of Distributed Generation in Distribution Networks Considering ZIP load Model. , 2019, , . | | 3 |
| 20 | Day-ahead Optimal Scheduling for Sensitive Loads and Demand Response Resources in Power System. , 2019, , . | | 0 |
| 21 | Linear Models of the VSC-MTDC Systems with the Droop Controls for Power Flow Analysis. , 2019, , . | | 1 |
| 22 | 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 |
| 23 | A Virtual Synchronous Generator Control Strategy for VSC-MTDC Systems. IEEE Transactions on Energy Conversion, 2018, 33, 750-761. | 5.2 | 133 |
| 24 | 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 |
| 25 | 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 |
| 26 | Integrated Optimization of Network Topology and DG Outputs for MVDC Distribution Systems. IEEE Transactions on Power Systems, 2018, 33, 1121-1123. | 6.5 | 15 |
| 27 | 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 |
| 28 | P-Q Coordinated Planning Method for Distributed Generation in Distribution Network. , 2018, , . | | 2 |
| 29 | An Emergency Energy Management for AC/DC Micro-grids in Industrial Park. IFAC-PapersOnLine, 2018, 51, 251-255. | 0.9 | 4 |
| 30 | A Robust Mixed-Integer Second-Order Cone Programming for Service Restoration of Distribution Network. , 2018, , . | | 1 |
| 31 | 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 |
| 32 | Hierarchical Decomposition for Betweenness Centrality Measure of Complex Networks. Scientific Reports, 2017, 7, 46491. | 3.3 | 34 |
| 33 | Locating and sizing of distributed generations considering local consumption and power export potential. , 2017, , . | | 1 |
| 34 | Optimal multiperiod dispatch for hybrid VSC-MTDC and AC grids by coordination of offshore wind farm and battery energy storage. , 2017, , . | | 2 |
| 35 | Optimal configuration of multiple-type DGs for max penetration using a temporal P-Q model. , 2017, , . | | 1 |
| 36 | A convex model for optimal day-ahead dispatch considering wind generators and network reconfiguration. , 2017, , . | | 0 |

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|---|---------|----|-----------|
| 37 | 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 |
| 38 | CHP-based DG allocation considering the operation constraints of heating and gas systems. , 2016, , . | | 0 |
| 39 | Risk analysis of cascading blackout on generator voltage-class-reduction scheme. , 2016, , . | | 0 |
| 40 | 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 |
| 41 | A MMC-SST based power quality improvement method for the medium and high voltage distribution network. , 2016, , . | | 11 |
| 42 | Reconfiguration optimization of DC zonal distribution network of shipboard power system. , 2016, , . | | 2 |
| 43 | An impedance modulus margin based approach for voltage stability evaluation of distribution networks with wind power generations. , 2016, , . | | 2 |
| 44 | A multi-stage generator reconfiguration method for relieving transmission congestion. , 2015, , . | | 1 |
| 45 | Optimal placement of distributed generations considering carbon emission constraint. , 2015, , . | | 1 |
| 46 | 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 |
| 47 | Model predictive control considering cyber-physical system to dampen low frequency oscillation of interconnected power systems. , 2015, , . | | 2 |
| 48 | Cyber-physical electrical energy systems: challenges and issues. CSEE Journal of Power and Energy Systems, 2015, 1, 36-42. | 1.1 | 45 |
| 49 | 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 |
| 50 | 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 |
| 51 | A medium and long-term carbon emission forecasting method for provincial power grid. , 2014, , . | | 0 |
| 52 | Chance-Constrained Optimization-Based Unbalanced Optimal Power Flow for Radial Distribution Networks. IEEE Transactions on Power Delivery, 2013, 28, 1855-1864. | 4.3 | 65 |
| 53 | Energy management system architecture for new energy power supply system of islands. , 2012, , . | | 3 |
| 54 | An Optimized EV Charging Model Considering TOU Price and SOC Curve. IEEE Transactions on Smart Grid, 2012, 3, 388-393. | 9.0 | 687 |