# Zhao Yang Dong

## List of Publications by Citations



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|---|---|---|---|
| 235 papers | 8,454 citations | 48 h-index | 83 g-index |
| 248 ext. papers | 11,703 ext. citations | 7.1 avg, IF | 7.14 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 235 | Short-Term Residential Load Forecasting Based on LSTM Recurrent Neural Network. *IEEE Transactions on Smart Grid*, **2019**, 10, 841-851 | 10.7 | 719 |
| 234 | A Review of False Data Injection Attacks Against Modern Power Systems. *IEEE Transactions on Smart Grid*, **2017**, 8, 1630-1638 | 10.7 | 411 |
| 233 | Probabilistic Forecasting of Wind Power Generation Using Extreme Learning Machine. *IEEE Transactions on Power Systems*, **2014**, 29, 1033-1044 | 7 | 407 |
| 232 | Short-Term Residential Load Forecasting Based on Resident Behaviour Learning. *IEEE Transactions on Power Systems*, **2018**, 33, 1087-1088 | 7 | 249 |
| 231 | Optimal Allocation of Energy Storage System for Risk Mitigation of DISCOs With High Renewable Penetrations. *IEEE Transactions on Power Systems*, **2014**, 29, 212-220 | 7 | 213 |
| 230 | Optimal Prediction Intervals of Wind Power Generation. *IEEE Transactions on Power Systems*, **2014**, 29, 1166-1174 | 7 | 205 |
| 229 | Distributed Blockchain-Based Data Protection Framework for Modern Power Systems Against Cyber Attacks. *IEEE Transactions on Smart Grid*, **2019**, 10, 3162-3173 | 10.7 | 160 |
| 228 | Electricity Price Forecasting With Extreme Learning Machine and Bootstrapping. *IEEE Transactions on Power Systems*, **2012**, 27, 2055-2062 | 7 | 148 |
| 227 | . *IEEE Transactions on Sustainable Energy*, **2015**, 6, 253-262 | 8.2 | 144 |
| 226 | A Survey on the Detection Algorithms for False Data Injection Attacks in Smart Grids. *IEEE Transactions on Smart Grid*, **2020**, 11, 2218-2234 | 10.7 | 143 |
| 225 | A Hybrid Approach for Probabilistic Forecasting of Electricity Price. *IEEE Transactions on Smart Grid*, **2014**, 5, 463-470 | 10.7 | 142 |
| 224 | Robust Operation of Microgrids via Two-Stage Coordinated Energy Storage and Direct Load Control. *IEEE Transactions on Power Systems*, **2017**, 32, 2858-2868 | 7 | 140 |
| 223 | Electric Vehicle Route Optimization Considering Time-of-Use Electricity Price by Learnable Partheno-Genetic Algorithm. *IEEE Transactions on Smart Grid*, **2015**, 6, 657-666 | 10.7 | 127 |
| 222 | . *IEEE Transactions on Power Systems*, **2017**, 32, 2767-2778 | 7 | 125 |
| 221 | A Reliable Intelligent System for Real-Time Dynamic Security Assessment of Power Systems. *IEEE Transactions on Power Systems*, **2012**, 27, 1253-1263 | 7 | 125 |
| 220 | Multi-Timescale Coordinated Voltage/Var Control of High Renewable-Penetrated Distribution Systems. *IEEE Transactions on Power Systems*, **2017**, 32, 4398-4408 | 7 | 118 |
| 219 | Short-Term State Forecasting-Aided Method for Detection of Smart Grid General False Data Injection Attacks. *IEEE Transactions on Smart Grid*, **2017**, 8, 1580-1590 | 10.7 | 113 |

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| 218 | . *IEEE Transactions on Power Systems*, **2015**, 30, 1035-1046 | 7 | 111 |
| 217 | Robust Coordination of Distributed Generation and Price-Based Demand Response in Microgrids. *IEEE Transactions on Smart Grid*, **2018**, 9, 4236-4247 | 10.7 | 109 |
| 216 | A Distributed Electricity Trading System in Active Distribution Networks Based on Multi-Agent Coalition and Blockchain. *IEEE Transactions on Power Systems*, **2019**, 34, 4097-4108 | 7 | 109 |
| 215 | Post-disturbance transient stability assessment of power systems by a self-adaptive intelligent system. *IET Generation, Transmission and Distribution*, **2015**, 9, 296-305 | 2.5 | 96 |
| 214 | Blockchain: a secure, decentralized, trusted cyber infrastructure solution for future energy systems. *Journal of Modern Power Systems and Clean Energy*, **2018**, 6, 958-967 | 4 | 84 |
| 213 | An Extensible Approach for Non-Intrusive Load Disaggregation With Smart Meter Data. *IEEE Transactions on Smart Grid*, **2018**, 9, 3362-3372 | 10.7 | 83 |
| 212 | Assessing Short-Term Voltage Stability of Electric Power Systems by a Hierarchical Intelligent System. *IEEE Transactions on Neural Networks and Learning Systems*, **2016**, 27, 1686-96 | 10.3 | 81 |
| 211 | Stochastic Collaborative Planning of Electric Vehicle Charging Stations and Power Distribution System. *IEEE Transactions on Industrial Informatics*, **2018**, 14, 321-331 | 11.9 | 80 |
| 210 | Three-Stage Robust Inverter-Based Voltage/Var Control for Distribution Networks With High-Level PV. *IEEE Transactions on Smart Grid*, **2019**, 10, 782-793 | 10.7 | 80 |
| 209 | A Linear Programming Approach to Expansion Co-Planning in Gas and Electricity Markets. *IEEE Transactions on Power Systems*, **2016**, 31, 3594-3606 | 7 | 75 |
| 208 | . *IEEE Transactions on Smart Grid*, **2019**, 10, 2765-2775 | 10.7 | 75 |
| 207 | Imbalance Learning Machine-Based Power System Short-Term Voltage Stability Assessment. *IEEE Transactions on Industrial Informatics*, **2017**, 13, 2533-2543 | 11.9 | 71 |
| 206 | Short-term operational planning framework for virtual power plants with high renewable penetrations. *IET Renewable Power Generation*, **2016**, 10, 623-633 | 2.9 | 65 |
| 205 | Optimal Scheduling for Prosumers in Coupled Transactive Power and Gas Systems. *IEEE Transactions on Power Systems*, **2018**, 33, 1970-1980 | 7 | 64 |
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| 201 | . *IEEE Transactions on Smart Grid*, **2016**, 7, 439-450 | 10.7 | 60 |

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| 200 | Noncooperative Game-Based Distributed Charging Control for Plug-In Electric Vehicles in Distribution Networks. *IEEE Transactions on Industrial Informatics*, **2018**, 14, 301-310 | 11.9 | 60 |
| 199 | Optimal placement of battery energy storage in distribution networks considering conservation voltage reduction and stochastic load composition. *IET Generation, Transmission and Distribution*, **2017**, 11, 3862-3870 | 2.5 | 60 |
| 198 | Decision-Making for Electricity Retailers: A Brief Survey. *IEEE Transactions on Smart Grid*, **2018**, 9, 4140-4153 | 10.7 | 59 |
| 197 | A Hierarchical Hidden Markov Model Framework for Home Appliance Modeling. *IEEE Transactions on Smart Grid*, **2018**, 9, 3079-3090 | 10.7 | 56 |
| 196 | Battery ESS Planning for Wind Smoothing via Variable-Interval Reference Modulation and Self-Adaptive SOC Control Strategy. *IEEE Transactions on Sustainable Energy*, **2017**, 8, 695-707 | 8.2 | 56 |
| 195 | A Hierarchical Self-Adaptive Data-Analytics Method for Real-Time Power System Short-Term Voltage Stability Assessment. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 74-84 | 11.9 | 54 |
| 194 | . *IEEE Transactions on Smart Grid*, **2019**, 10, 1704-1712 | 10.7 | 53 |
| 193 | Reliability Evaluation for Integrated Power-Gas Systems With Power-to-Gas and Gas Storages. *IEEE Transactions on Power Systems*, **2020**, 35, 571-583 | 7 | 52 |
| 192 | Self-adaptive radial basis function neural network for short-term electricity price forecasting. *IET Generation, Transmission and Distribution*, **2009**, 3, 325 | 2.5 | 51 |
| 191 | A Model of Customizing Electricity Retail Prices Based on Load Profile Clustering Analysis. *IEEE Transactions on Smart Grid*, **2019**, 10, 3374-3386 | 10.7 | 51 |
| 190 | A Practical Solution for Non-Intrusive Type II Load Monitoring Based on Deep Learning and Post-Processing. *IEEE Transactions on Smart Grid*, **2020**, 11, 148-160 | 10.7 | 50 |
| 189 | Solving Preventive-Corrective SCOPF by a Hybrid Computational Strategy. *IEEE Transactions on Power Systems*, **2014**, 29, 1345-1355 | 7 | 48 |
| 188 | Unified Power Flow Algorithm for Standalone AC/DC Hybrid Microgrids. *IEEE Transactions on Smart Grid*, **2019**, 10, 639-649 | 10.7 | 48 |
| 187 | Optimal Home Energy Management System With Demand Charge Tariff and Appliance Operational Dependencies. *IEEE Transactions on Smart Grid*, **2020**, 11, 4-14 | 10.7 | 48 |
| 186 | Robustly Coordinated Operation of a Multi-Energy Micro-Grid in Grid-Connected and Islanded Modes Under Uncertainties. *IEEE Transactions on Sustainable Energy*, **2020**, 11, 640-651 | 8.2 | 46 |
| 185 | Active Power Control of Wind Turbine Generators via Coordinated Rotor Speed and Pitch Angle Regulation. *IEEE Transactions on Sustainable Energy*, **2019**, 10, 822-832 | 8.2 | 42 |
| 184 | Non-intrusive energy saving appliance recommender system for smart grid residential users. *IET Generation, Transmission and Distribution*, **2017**, 11, 1786-1793 | 2.5 | 41 |
| 183 | Generalized FDIA-Based Cyber Topology Attack With Application to the Australian Electricity Market Trading Mechanism. *IEEE Transactions on Smart Grid*, **2018**, 9, 3820-3829 | 10.7 | 41 |

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| 182 | Distributed Adaptive Robust Voltage/VAR Control With Network Partition in Active Distribution Networks. *IEEE Transactions on Smart Grid*, **2020**, 11, 2245-2256 | 10.7 | 39 |
| 181 | . *IEEE Transactions on Power Systems*, **2019**, 34, 1325-1341 | 7 | 39 |
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| 179 | Robust Forecasting Aided Power System State Estimation Considering State Correlations. *IEEE Transactions on Smart Grid*, **2018**, 9, 2658-2666 | 10.7 | 37 |
| 178 | Sensitivity Analysis of Renewable Energy Integration on Stochastic Energy Management of Automated Reconfigurable Hybrid AC/DC Microgrid Considering DLR Security Constraint. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 120-131 | 11.9 | 37 |
| 177 | Robust Ensemble Data Analytics for Incomplete PMU Measurements-Based Power System Stability Assessment. *IEEE Transactions on Power Systems*, **2018**, 33, 1124-1126 | 7 | 36 |
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| 166 | Faster Detection of Microgrid Islanding Events Using an Adaptive Ensemble Classifier. *IEEE Transactions on Smart Grid*, **2016**, 1-1 | 10.7 | 33 |
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| 164 | Guide Subspace Learning for Unsupervised Domain Adaptation. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, | 10.3 | 33 |
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| 162 | Retirement-Driven Dynamic VAR Planning for Voltage Stability Enhancement of Power Systems With High-Level Wind Power. *IEEE Transactions on Power Systems*, **2018**, 33, 2282-2291 | 7 | 32 |
| 161 | . *IEEE Transactions on Sustainable Energy*, **2020**, 11, 2077-2086 | 8.2 | 31 |
| 160 | Social Information Filtering-Based Electricity Retail Plan Recommender System for Smart Grid End Users. *IEEE Transactions on Smart Grid*, **2019**, 10, 95-104 | 10.7 | 30 |
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| 157 | . *IEEE Transactions on Power Systems*, **2018**, 33, 2415-2428 | 7 | 28 |
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| 155 | Cooperation-Based Distributed Economic MPC for Economic Load Dispatch and Load Frequency Control of Interconnected Power Systems. *IEEE Transactions on Power Systems*, **2019**, 34, 3964-3966 | 7 | 28 |
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| 153 | Distributed Robust Algorithm for Economic Dispatch in Smart Grids Over General Unbalanced Directed Networks. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 4322-4332 | 11.9 | 28 |
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| 131 | Optimal integration of mobile battery energy storage in distribution system with renewables. *Journal of Modern Power Systems and Clean Energy*, **2015**, 3, 589-596 | 4 | 19 |
| 130 | Sequential Disaster Recovery Model for Distribution Systems With Co-Optimization of Maintenance and Restoration Crew Dispatch. *IEEE Transactions on Smart Grid*, **2020**, 11, 4700-4713 | 10.7 | 19 |
| 129 | Hierarchical Energy Management System for Home Microgrids. *IEEE Transactions on Smart Grid*, **2019**, 10, 5536-5546 | 10.7 | 19 |

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| 127 | Expansion Planning of Active Distribution Networks With Multiple Distributed Energy Resources and EV Sharing System. *IEEE Transactions on Smart Grid*, **2020**, 11, 602-611 | 10.7 | 18 |
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| 125 | Bargaining Game-Based Profit Allocation of Virtual Power Plant in Frequency Regulation Market Considering Battery Cycle Life. *IEEE Transactions on Smart Grid*, **2021**, 12, 2913-2928 | 10.7 | 18 |
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| 111 | Improving Hosting Capacity of Unbalanced Distribution Networks via Robust Allocation of Battery Energy Storage Systems. *IEEE Transactions on Power Systems*, **2020**, 1-1 | 7 | 14 |

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| 110 | Rolling horizon based multi-objective robust voltage/VAR regulation with conservation voltage reduction in high PV-penetrated distribution networks. *IET Generation, Transmission and Distribution*, **2019**, 13, 1621-1629 | 2.5 | 13 |
| 109 | Optimal operation scheduling for microgrid with high penetrations of solar power and thermostatically controlled loads. *Science and Technology for the Built Environment*, **2016**, 22, 666-673 | 1.8 | 13 |
| 108 | Nonlinear SSR Damping Controller for DFIG Based Wind Generators Interfaced to Series Compensated Transmission Systems. *IEEE Transactions on Power Systems*, **2020**, 35, 1156-1165 | 7 | 13 |
| 107 | Adaptive Droop Control of Multi-Terminal HVDC Network for Frequency Regulation and Power Sharing. *IEEE Transactions on Power Systems*, **2021**, 36, 566-578 | 7 | 13 |
| 106 | . *IEEE Transactions on Industrial Informatics*, **2020**, 16, 4567-4579 | 11.9 | 12 |
| 105 | Capacity and energy sharing platform with hybrid energy storage system: An example of hospitality industry. *Applied Energy*, **2020**, 280, 115897 | 10.7 | 12 |
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