

Dong-Sheng Yang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71
papers

716
citations

13
h-index

25
g-index

93
ext. papers

985
ext. citations

3.9
avg, IF

4.82
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 71 | Networked synchronization control of coupled dynamic networks with time-varying delay. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 1468-79 | | 127 |
| 70 | Observer Design of Discrete-Time TB Fuzzy Systems Via Multi-Instant Homogenous Matrix Polynomials. <i>IEEE Transactions on Fuzzy Systems</i> , 2014 , 22, 1714-1719 | 8.3 | 82 |
| 69 | Stability analysis for nonlinear fractional-order systems based on comparison principle. <i>Nonlinear Dynamics</i> , 2014 , 75, 387-402 | 5 | 62 |
| 68 | An Event-Driven Convolutional Neural Architecture for Non-Intrusive Load Monitoring of Residential Appliance. <i>IEEE Transactions on Consumer Electronics</i> , 2020 , 66, 173-182 | 4.8 | 50 |
| 67 | Wind Power Prediction Based on LSTM Networks and Nonparametric Kernel Density Estimation. <i>IEEE Access</i> , 2019 , 7, 165279-165292 | 3.5 | 41 |
| 66 | . <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 1739-1748 | 7.3 | 38 |
| 65 | Stability analysis on a class of nonlinear fractional-order systems. <i>Nonlinear Dynamics</i> , 2016 , 86, 1023-1033 | 3.3 | 25 |
| 64 | Event-trigger-based robust control for nonlinear constrained-input systems using reinforcement learning method. <i>Neurocomputing</i> , 2019 , 340, 158-170 | 5.4 | 23 |
| 63 | Emission Trading Based Optimal Scheduling Strategy of Energy Hub with Energy Storage and Integrated Electric Vehicles. <i>Journal of Modern Power Systems and Clean Energy</i> , 2020 , 8, 267-275 | 4 | 23 |
| 62 | Event-Triggered Integral Sliding-Mode Control for Nonlinear Constrained-Input Systems With Disturbances via Adaptive Dynamic Programming. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 4086-4096 | 7.3 | 19 |
| 61 | Critical Nodes Identification of Complex Power Systems Based on Electric Cactus Structure. <i>IEEE Systems Journal</i> , 2020 , 14, 4477-4488 | 4.3 | 14 |
| 60 | Novel Voltage Sag Protection Topology of Contactors for Uninterrupted Switching Capability. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 3170-3178 | 4.3 | 14 |
| 59 | Relaxed observer design of discrete-time TB fuzzy systems via a novel multi-instant fuzzy observer. <i>Signal Processing</i> , 2014 , 102, 296-303 | 4.4 | 13 |
| 58 | Event-Triggered Control of Nonlinear Discrete-Time System With Unknown Dynamics Based on HDP. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP, | 10.2 | 12 |
| 57 | Job Shop Scheduling Based on Digital Twin Technology: A Survey and an Intelligent Platform. <i>Complexity</i> , 2021 , 2021, 1-12 | 1.6 | 11 |
| 56 | A Novel Double-Stacked Autoencoder for Power Transformers DGA Signals with Imbalanced Data Structure. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1 | 8.9 | 11 |
| 55 | State estimation of recurrent neural networks with interval time-varying delay: an improved delay-dependent approach. <i>Neural Computing and Applications</i> , 2013 , 23, 1149-1158 | 4.8 | 10 |

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| 54 | State-Constraints Adaptive Backstepping Control for Active Magnetic Bearings With Parameters Nonstationarities and Uncertainties. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 9822-9831 | 8.9 | 9 |
| 53 | Relaxed H _∞ control design of discrete-time Takagi-Sugeno fuzzy systems: A multi-samples approach. <i>Neurocomputing</i> , 2016 , 171, 106-112 | 5.4 | 8 |
| 52 | A new robust adaptive neural network backstepping control for single machine infinite power system with TCSC. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2019 , 1-9 | 7 | 8 |
| 51 | Observer-based state estimation of discrete-time nonlinear systems via a novel maximum-priority-based fuzzy observer. <i>Signal Processing</i> , 2017 , 137, 63-68 | 4.4 | 7 |
| 50 | Multiple-input full bridge dc/dc converter 2009 , | | 7 |
| 49 | Anaerobic reductive bio-dissolution of jarosites by <i>Acidithiobacillus ferrooxidans</i> using hydrogen as electron donor. <i>Science of the Total Environment</i> , 2019 , 686, 869-877 | 10.2 | 6 |
| 48 | A New Wind Power Accommodation Strategy for Combined Heat and Power System Based on Bi-Directional Conversion. <i>Energies</i> , 2019 , 12, 2458 | 3.1 | 6 |
| 47 | Control Strategy of Intergrated Photovoltaic-UPQC System for DC-Bus Voltage Stability and Voltage Sags Compensation. <i>Energies</i> , 2019 , 12, 4009 | 3.1 | 6 |
| 46 | Optimal configuration of hybrid-energy microgrid considering the correlation and randomness of the wind power and photovoltaic power. <i>IET Renewable Power Generation</i> , 2020 , 14, 616-627 | 2.9 | 4 |
| 45 | A Method of Estimating Mutual Inductance and Load Resistance Using Harmonic Components in Wireless Power Transfer System. <i>Energies</i> , 2019 , 12, 2728 | 3.1 | 4 |
| 44 | Probabilistic Load Flow Algorithm of Distribution Networks with Distributed Generators and Electric Vehicles Integration. <i>Energies</i> , 2019 , 12, 4234 | 3.1 | 4 |
| 43 | Exponential networked synchronization of master-slave chaotic systems with time-varying communication topologies. <i>Chinese Physics B</i> , 2012 , 21, 040503 | 1.2 | 4 |
| 42 | Topology Prediction and Structural Controllability Analysis of Complex Networks Without Connection Information. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-13 | 7.3 | 4 |
| 41 | Numerical and experimental analysis of the effect of eccentric phase difference in a rotor-bearing system with bolted-disk joint. <i>Nonlinear Dynamics</i> , 2021 , 105, 2105-2132 | 5 | 4 |
| 40 | Optimal operation and cost-benefit allocation for multi-participant cooperation of integrated energy system. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 5239-5247 | 2.5 | 4 |
| 39 | Consensus-Based Decentralized Optimization for Distributed Generators Power Allocation Over Time-Varying Digraphs in Microgrids. <i>IEEE Systems Journal</i> , 2021 , 15, 814-825 | 4.3 | 4 |
| 38 | Research on PMSM Sensorless Control Based on Improved RBF Neural Network Algorithm 2018 , | | 4 |
| 37 | Multimode Process Monitoring Based on Geodesic Distance. <i>International Journal of Software Engineering and Knowledge Engineering</i> , 2018 , 28, 1225-1248 | 1 | 4 |

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| 36 | A Fast-Algorithmic Probabilistic Evaluation on Regional Rate of Change of Frequency (RoCoF) for Operational Planning of High Renewable Penetrated Power Systems. <i>Energies</i> , 2020 , 13, 2780 | 3.1 | 3 |
| 35 | Modeling and Control of Air Conditioning Loads for Consuming Distributed Energy Sources. <i>Energies</i> , 2017 , 10, 1630 | 3.1 | 3 |
| 34 | Near-optimal control laws based on Heuristic Dynamic Programming iteration algorithm 2010 , | | 3 |
| 33 | A new recognition algorithm for high-voltage lines based on improved LSD and convolutional neural networks. <i>IET Image Processing</i> , 2021 , 15, 260-268 | 1.7 | 3 |
| 32 | A Novel VSG-Based Accurate Voltage Control and Reactive Power Sharing Method for Islanded Microgrids. <i>Sustainability</i> , 2019 , 11, 6666 | 3.6 | 3 |
| 31 | PCB Layout Optimization of High-Frequency Inverter for Magnetic Coupled Resonance Wireless Power Transfer System. <i>IEEE Access</i> , 2019 , 7, 171395-171404 | 3.5 | 2 |
| 30 | Universal framework for vulnerability assessment of power grid based on complex networks 2018 , | | 2 |
| 29 | Construction of energy hub model and optimal scheduling of energy internet 2017 , | | 2 |
| 28 | Delay-Dependent Fuzzy Hyperbolic Model Based on Data-Driven Guaranteed Cost Control for a Class of Nonlinear Continuous-Time Systems with Uncertainties. <i>Mathematical Problems in Engineering</i> , 2012 , 2012, 1-17 | 1.1 | 2 |
| 27 | A systematic method for generating multiple-input DC/DC converters 2008 , | | 2 |
| 26 | Integration of Three-Phase LLC Resonant Converter and Full Bridge Converter for Hybrid Modulated Multi-Outputs Topology. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2022 , 1-1 | 5.6 | 2 |
| 25 | Direct prediction compensation strategy of unified power quality conditioner based on FCSMPC. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 5020-5028 | 2.5 | 2 |
| 24 | Displacement Estimation of Self-Sensing Magnetic Bearings Based on Biorthogonal Spline Wavelet. <i>IEEE Access</i> , 2021 , 1-1 | 3.5 | 2 |
| 23 | Optimal Operation of Multiple Energy System Based on Multi-Objective Theory and Grey Theory. <i>Energies</i> , 2022 , 15, 68 | 3.1 | 2 |
| 22 | Synchronization of Uncertain Complex Dynamical Networks. <i>International Journal of Software Engineering and Knowledge Engineering</i> , 2019 , 29, 923-939 | 1 | 1 |
| 21 | A Decentralized Optimization Strategy for Distributed Generators Power Allocation in Microgrids Based on Load Demand Power Generation Equivalent Forecasting. <i>Energies</i> , 2020 , 13, 648 | 3.1 | 1 |
| 20 | Design of adaptive lighting system based on fuzzy PID 2018 , | | 1 |
| 19 | Optimal Position of the Intermediate Coils in a Magnetic Coupled Resonant Wireless Power Transfer System. <i>Energies</i> , 2019 , 12, 3991 | 3.1 | 1 |

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| 18 | Study on uninterrupted switching topology and its control strategy of voltage sag protection 2017 , | | 1 |
| 17 | Greedy iterative DHP algorithm-based near-optimal control for a class of nonlinear descriptor systems with actuator saturating 2010 , | | 1 |
| 16 | Output Feedback Control for Chaotic System via Generalized Fuzzy Hyperbolic Model 2006 , | | 1 |
| 15 | An Adaptive Control for Switching Power Amplifier of AMB. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 1-1 | 7.6 | 1 |
| 14 | Research on the CHP system with phase change heat storage involved in power grid rolling peak regulation 2019 , | | 1 |
| 13 | Cost-effective communication network planning considering performance of pinning-based secondary control in microgrids. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 133, 107269 | 5.1 | 1 |
| 12 | Discrete-Time Optimal Control of Photovoltaic Grid-Connected Inverter Based on Particle Swarm Optimization. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-10 | 1.1 | 0 |
| 11 | Research on fractional-order modeling of nonlaminated electromagnetic bearings considering eddy current effects. <i>IEEE Transactions on Magnetics</i> , 2021 , 1-1 | 2 | 0 |
| 10 | Adaptive synchronization of complex dynamic networks with switching parameters subject to state constraints in power system. <i>Journal of the Franklin Institute</i> , 2021 , 358, 9243-9243 | 4 | 0 |
| 9 | A survey of intelligent transmission line inspection based on unmanned aerial vehicle. <i>Artificial Intelligence Review</i> , 1 | 9.7 | 0 |
| 8 | A Topology-Reconfigurable LLC Resonant Converter for Wide Output Range Applications. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1 | 6.8 | 0 |
| 7 | Situation awareness method of the distribution network based on EMD-SVD and Elman neural network. <i>Energy Reports</i> , 2022 , 8, 632-639 | 4.6 | 0 |
| 6 | Output Consensus Regulation for State-Unmeasurable Discrete-Time Multiagent Systems with External Disturbances. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-7 | 1.1 | |
| 5 | Recent Bio-inspired Algorithms for Solving Flexible Job Shop Scheduling Problem: A Comparative Study. <i>Communications in Computer and Information Science</i> , 2020 , 398-407 | 0.3 | |
| 4 | Current Sag and Mismatch Based Earth Fault Location for Distribution Network with Renewable Energy Resources. <i>Electric Power Components and Systems</i> , 2020 , 48, 2106-2116 | 1 | |
| 3 | A Novel T-S Fuzzy Model Based Adaptive Synchronization Control Scheme for Nonlinear Large-Scale Systems with Uncertainties and Time-Delay. <i>Lecture Notes in Computer Science</i> , 2015 , 3-10 | 0.9 | |
| 2 | Optimal operation of energy internet based on user electricity anxiety and chaotic spatial variation particle swarm optimization. <i>Tsinghua Science and Technology</i> , 2018 , 23, 243-253 | 3-4 | |
| 1 | A deep learning based multiple signals fusion architecture for power system fault diagnosis. <i>Sustainable Energy, Grids and Networks</i> , 2022 , 30, 100660 | 3.6 | |

