

# Dong-Sheng Yang

## List of Publications by Year in Descending Order

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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	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> , <b>2022</b> , 1-1	5.6	2
70	A deep learning based multiple signals fusion architecture for power system fault diagnosis. <i>Sustainable Energy, Grids and Networks</i> , <b>2022</b> , 30, 100660	3.6	
69	Optimal Operation of Multiple Energy System Based on Multi-Objective Theory and Grey Theory. <i>Energies</i> , <b>2022</b> , 15, 68	3.1	2
68	A Topology-Reconfigurable LLC Resonant Converter for Wide Output Range Applications. <i>IEEE Transactions on Vehicular Technology</i> , <b>2022</b> , 1-1	6.8	0
67	Situation awareness method of the distribution network based on EMD-SVD and Elman neural network. <i>Energy Reports</i> , <b>2022</b> , 8, 632-639	4.6	0
66	Topology Prediction and Structural Controllability Analysis of Complex Networks Without Connection Information. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-13	7.3	4
65	Research on fractional-order modeling of nonlaminated electromagnetic bearings considering eddy current effects. <i>IEEE Transactions on Magnetics</i> , <b>2021</b> , 1-1	2	0
64	An Adaptive Control for Switching Power Amplifier of AMB. <i>IEEE Transactions on Transportation Electrification</i> , <b>2021</b> , 1-1	7.6	1
63	A new recognition algorithm for high-voltage lines based on improved LSD and convolutional neural networks. <i>IET Image Processing</i> , <b>2021</b> , 15, 260-268	1.7	3
62	Job Shop Scheduling Based on Digital Twin Technology: A Survey and an Intelligent Platform. <i>Complexity</i> , <b>2021</b> , 2021, 1-12	1.6	11
61	Numerical and experimental analysis of the effect of eccentric phase difference in a rotor-bearing system with bolted-disk joint. <i>Nonlinear Dynamics</i> , <b>2021</b> , 105, 2105-2132	5	4
60	Consensus-Based Decentralized Optimization for Distributed Generators Power Allocation Over Time-Varying Digraphs in Microgrids. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 814-825	4.3	4
59	State-Constraints Adaptive Backstepping Control for Active Magnetic Bearings With Parameters Nonstationarities and Uncertainties. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 9822-9831	8.9	9
58	A Novel Double-Stacked Autoencoder for Power Transformers DGA Signals with Imbalanced Data Structure. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	11
57	Event-Triggered Control of Nonlinear Discrete-Time System With Unknown Dynamics Based on HDP(I) <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	12
56	Displacement Estimation of Self-Sensing Magnetic Bearings Based on Biorthogonal Spline Wavelet. <i>IEEE Access</i> , <b>2021</b> , 1-1	3.5	2
55	Adaptive synchronization of complex dynamic networks with switching parameters subject to state constraints in power system. <i>Journal of the Franklin Institute</i> , <b>2021</b> , 358, 9243-9243	4	0

54	Cost-effective communication network planning considering performance of pinning-based secondary control in microgrids. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2021</b> , 133, 107269	5.1	1
53	Optimal configuration of hybrid-energy microgrid considering the correlation and randomness of the wind power and photovoltaic power. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 616-627	2.9	4
52	An Event-Driven Convolutional Neural Architecture for Non-Intrusive Load Monitoring of Residential Appliance. <i>IEEE Transactions on Consumer Electronics</i> , <b>2020</b> , 66, 173-182	4.8	50
51	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> , <b>2020</b> , 13, 2780	3.1	3
50	A Decentralized Optimization Strategy for Distributed Generators Power Allocation in Microgrids Based on Load Demand Power Generation Equivalent Forecasting. <i>Energies</i> , <b>2020</b> , 13, 648	3.1	1
49	Critical Nodes Identification of Complex Power Systems Based on Electric Cactus Structure. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 4477-4488	4.3	14
48	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> , <b>2020</b> , 8, 267-275	4	23
47	Recent Bio-inspired Algorithms for Solving Flexible Job Shop Scheduling Problem: A Comparative Study. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 398-407	0.3	
46	Direct prediction compensation strategy of unified power quality conditioner based on FCSMPC. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 5020-5028	2.5	2
45	Current Sag and Mismatch Based Earth Fault Location for Distribution Network with Renewable Energy Resources. <i>Electric Power Components and Systems</i> , <b>2020</b> , 48, 2106-2116	1	
44	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> , <b>2020</b> , 50, 4086-4096	7.3	19
43	Synchronization of Uncertain Complex Dynamical Networks. <i>International Journal of Software Engineering and Knowledge Engineering</i> , <b>2019</b> , 29, 923-939	1	1
42	PCB Layout Optimization of High-Frequency Inverter for Magnetic Coupled Resonance Wireless Power Transfer System. <i>IEEE Access</i> , <b>2019</b> , 7, 171395-171404	3.5	2
41	Anaerobic reductive bio-dissolution of jarosites by <i>Acidithiobacillus ferrooxidans</i> using hydrogen as electron donor. <i>Science of the Total Environment</i> , <b>2019</b> , 686, 869-877	10.2	6
40	Event-trigger-based robust control for nonlinear constrained-input systems using reinforcement learning method. <i>Neurocomputing</i> , <b>2019</b> , 340, 158-170	5.4	23
39	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2019</b> , 49, 1739-1748	7.3	38
38	A New Wind Power Accommodation Strategy for Combined Heat and Power System Based on Bi-Directional Conversion. <i>Energies</i> , <b>2019</b> , 12, 2458	3.1	6
37	A Method of Estimating Mutual Inductance and Load Resistance Using Harmonic Components in Wireless Power Transfer System. <i>Energies</i> , <b>2019</b> , 12, 2728	3.1	4

36	Optimal Position of the Intermediate Coils in a Magnetic Coupled Resonant Wireless Power Transfer System. <i>Energies</i> , <b>2019</b> , 12, 3991	3.1	1
35	Probabilistic Load Flow Algorithm of Distribution Networks with Distributed Generators and Electric Vehicles Integration. <i>Energies</i> , <b>2019</b> , 12, 4234	3.1	4
34	Research on the CHP system with phase change heat storage involved in power grid rolling peak regulation <b>2019</b> ,		1
33	A Novel VSG-Based Accurate Voltage Control and Reactive Power Sharing Method for Islanded Microgrids. <i>Sustainability</i> , <b>2019</b> , 11, 6666	3.6	3
32	Optimal operation and costBenefit allocation for multi-participant cooperation of integrated energy system. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 5239-5247	2.5	4
31	Wind Power Prediction Based on LSTM Networks and Nonparametric Kernel Density Estimation. <i>IEEE Access</i> , <b>2019</b> , 7, 165279-165292	3.5	41
30	A new robust adaptive neural network backstepping control for single machine infinite power system with TCSC. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2019</b> , 1-9	7	8
29	Control Strategy of Intergrated Photovoltaic-UPQC System for DC-Bus Voltage Stability and Voltage Sags Compensation. <i>Energies</i> , <b>2019</b> , 12, 4009	3.1	6
28	Novel Voltage Sag Protection Topology of Contactors for Uninterrupted Switching Capability. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 3170-3178	4.3	14
27	Design of adaptive lighting system based on fuzzy PID <b>2018</b> ,		1
26	Universal framework for vulnerability assessment of power grid based on complex networks <b>2018</b> ,		2
25	Research on PMSM Sensorless Control Based on Improved RBF Neural Network Algorithm <b>2018</b> ,		4
24	Multimode Process Monitoring Based on Geodesic Distance. <i>International Journal of Software Engineering and Knowledge Engineering</i> , <b>2018</b> , 28, 1225-1248	1	4
23	Optimal operation of energy internet based on user electricity anxiety and chaotic spatial variation particle swarm optimization. <i>Tsinghua Science and Technology</i> , <b>2018</b> , 23, 243-253	3.4	
22	Observer-based state estimation of discrete-time nonlinear systems via a novel maximum-priority-based fuzzy observer. <i>Signal Processing</i> , <b>2017</b> , 137, 63-68	4.4	7
21	Modeling and Control of Air Conditioning Loads for Consuming Distributed Energy Sources. <i>Energies</i> , <b>2017</b> , 10, 1630	3.1	3
20	Construction of energy hub model and optimal scheduling of energy internet <b>2017</b> ,		2
19	Study on uninterrupted switching topology and its control strategy of voltage sag protection <b>2017</b> ,		1

18	Relaxed H <sub>∞</sub> control design of discrete-time Takagi-Sugeno fuzzy systems: A multi-samples approach. <i>Neurocomputing</i> , <b>2016</b> , 171, 106-112	5.4	8
17	Stability analysis on a class of nonlinear fractional-order systems. <i>Nonlinear Dynamics</i> , <b>2016</b> , 86, 1023-1033	3.3	25
16	Output Consensus Regulation for State-Unmeasurable Discrete-Time Multiagent Systems with External Disturbances. <i>Mathematical Problems in Engineering</i> , <b>2015</b> , 2015, 1-7	1.1	
15	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> , <b>2015</b> , 3-10	0.9	
14	Observer Design of Discrete-Time T <sub>S</sub> Fuzzy Systems Via Multi-Instant Homogenous Matrix Polynomials. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2014</b> , 22, 1714-1719	8.3	82
13	Relaxed observer design of discrete-time T <sub>S</sub> fuzzy systems via a novel multi-instant fuzzy observer. <i>Signal Processing</i> , <b>2014</b> , 102, 296-303	4.4	13
12	Discrete-Time Optimal Control of Photovoltaic Grid-Connected Inverter Based on Particle Swarm Optimization. <i>Mathematical Problems in Engineering</i> , <b>2014</b> , 2014, 1-10	1.1	0
11	Stability analysis for nonlinear fractional-order systems based on comparison principle. <i>Nonlinear Dynamics</i> , <b>2014</b> , 75, 387-402	5	62
10	State estimation of recurrent neural networks with interval time-varying delay: an improved delay-dependent approach. <i>Neural Computing and Applications</i> , <b>2013</b> , 23, 1149-1158	4.8	10
9	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> , <b>2012</b> , 2012, 1-17	1.1	2
8	Exponential networked synchronization of master-slave chaotic systems with time-varying communication topologies. <i>Chinese Physics B</i> , <b>2012</b> , 21, 040503	1.2	4
7	Networked synchronization control of coupled dynamic networks with time-varying delay. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2010</b> , 40, 1468-79		127
6	Greedy iterative DHP algorithm-based near-optimal control for a class of nonlinear descriptor systems with actuator saturating <b>2010</b> ,		1
5	Near-optimal control laws based on Heuristic Dynamic Programming iteration algorithm <b>2010</b> ,		3
4	Multiple-input full bridge dc/dc converter <b>2009</b> ,		7
3	A systematic method for generating multiple-input DC/DC converters <b>2008</b> ,		2
2	Output Feedback Control for Chaotic System via Generalized Fuzzy Hyperbolic Model <b>2006</b> ,		1
1	A survey of intelligent transmission line inspection based on unmanned aerial vehicle. <i>Artificial Intelligence Review</i> , <b>1</b>	9.7	0

