Dong-Sheng Yang

List of Publications by Year
in descending order

92 papers	1,333 citations	471509 17 h-index	377865 34 g-index
93 all docs	93 docs citations	93 times ranked	1201 citing authors

#	Article	IF	Citations
1	A survey of intelligent transmission line inspection based on unmanned aerial vehicle. Artificial Intelligence Review, 2023, 56, 173-201.	15.7	27
2	A Novel Double-Stacked Autoencoder for Power Transformers DGA Signals With An Imbalanced Data Structure. IEEE Transactions on Industrial Electronics, 2022, 69, 1977-1987.	7.9	48
3	Event-Triggered Control of Nonlinear Discrete-Time System With Unknown Dynamics Based on HDP(λ). IEEE Transactions on Cybernetics, 2022, 52, 6046-6058.	9.5	44
4	Research on Fractional-Order Modeling of Nonlaminated Electromagnetic Bearings Considering Eddy Current Effects. IEEE Transactions on Magnetics, 2022, 58, 1-8.	2.1	3
5	An Adaptive Control for Switching Power Amplifier of AMB. IEEE Transactions on Transportation Electrification, 2022, 8, 2374-2383.	7.8	3
6	Integration of Three-Phase LLC Resonant Converter and Full-Bridge Converter for Hybrid Modulated Multioutput Topology. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 5844-5856.	5.4	8
7	Topology Prediction and Structural Controllability Analysis of Complex Networks Without Connection Information. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6015-6027.	9.3	5
8	A deep learning based multiple signals fusion architecture for power system fault diagnosis. Sustainable Energy, Grids and Networks, 2022, 30, 100660.	3.9	3
9	Optimal Operation of Multiple Energy System Based on Multi-Objective Theory and Grey Theory. Energies, 2022, 15, 68.	3.1	4
10	A Topology-Reconfigurable LLC Resonant Converter for Wide Output Range Applications. IEEE Transactions on Vehicular Technology, 2022, 71, 10389-10399.	6.3	5
11	Situation awareness method of the distribution network based on EMD-SVD and Elman neural network. Energy Reports, 2022, 8, 632-639.	5.1	6
12	Consensus-Based Decentralized Optimization for Distributed Generators Power Allocation Over Time-Varying Digraphs in Microgrids. IEEE Systems Journal, 2021, 15, 814-825.	4.6	14
13	State-Constraints Adaptive Backstepping Control for Active Magnetic Bearings With Parameters Nonstationarities and Uncertainties. IEEE Transactions on Industrial Electronics, 2021, 68, 9822-9831.	7.9	30
14	Displacement Estimation of Self-Sensing Magnetic Bearings Based on Biorthogonal Spline Wavelet. IEEE Access, 2021, 9, 76213-76223.	4.2	2
15	Job Shop Scheduling Based on Digital Twin Technology: A Survey and an Intelligent Platform. Complexity, 2021, 2021, 1-12.	1.6	17
16	Numerical and experimental analysis of the effect of eccentric phase difference in a rotor-bearing system with bolted-disk joint. Nonlinear Dynamics, 2021, 105, 2105-2132.	5.2	22
17	Adaptive synchronization of complex dynamic networks with switching parameters subject to state constraints in power system. Journal of the Franklin Institute, 2021, 358, 9243-9262.	3.4	9
18	Cost-effective communication network planning considering performance of pinning-based secondary control in microgrids. International Journal of Electrical Power and Energy Systems, 2021, 133, 107269.	5.5	2

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19	A new recognition algorithm for high‐voltage lines based on improved LSD and convolutional neural networks. IET Image Processing, 2021, 15, 260-268.	2.5	8
20	UAV Routine Optimization and Obstacle Avoidance Based on ACO for Transmission Line Inspection. , 2021, , .		0
21	Construction of power grid digital twin model based on GAN. , 2021, , .		3
22	Application of Sparse Representation in SCADA: Wind Turbine Fault Diagnosis Based on K-SVD. , 2021, , .		0
23	Event-Triggered Integral Sliding-Mode Control for Nonlinear Constrained-Input Systems With Disturbances via Adaptive Dynamic Programming. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4086-4096.	9.3	61
24	Optimal configuration of hybrid‐energy microgrid considering the correlation and randomness of the wind power and photovoltaic power. IET Renewable Power Generation, 2020, 14, 616-627.	3.1	15
25	An Event-Driven Convolutional Neural Architecture for Non-Intrusive Load Monitoring of Residential Appliance. IEEE Transactions on Consumer Electronics, 2020, 66, 173-182.	3.6	102
26	A Fast-Algorithmic Probabilistic Evaluation on Regional Rate of Change of Frequency (RoCoF) for Operational Planning of High Renewable Penetrated Power Systems. Energies, 2020, 13, 2780.	3.1	5
27	A Decentralized Optimization Strategy for Distributed Generators Power Allocation in Microgrids Based on Load Demand‐Power Generation Equivalent Forecasting. Energies, 2020, 13, 648.	3.1	4
28	Critical Nodes Identification of Complex Power Systems Based on Electric Cactus Structure. IEEE Systems Journal, 2020, 14, 4477-4488.	4.6	35
29	Emission Trading Based Optimal Scheduling Strategy of Energy Hub with Energy Storage and Integrated Electric Vehicles. Journal of Modern Power Systems and Clean Energy, 2020, 8, 267-275.	5.4	57
30	Recent Bio-inspired Algorithms for Solving Flexible Job Shop Scheduling Problem: A Comparative Study. Communications in Computer and Information Science, 2020, , 398-407.	0.5	0
31	Direct prediction compensation strategy of unified power quality conditioner based on FCS‐MPC. IET Generation, Transmission and Distribution, 2020, 14, 5020-5028.	2.5	4
32	Optimal Operation of Coastal Source-Load-Storage System with Seawater Desalination based on NSGA-III. , 2020, , .		0
33	Current Sag and Mismatch Based Earth Fault Location for Distribution Network with Renewable Energy Resources. Electric Power Components and Systems, 2020, 48, 2106-2116.	1.8	0
34	A mechanical transmission system state perception and online monitoring method based on active electrical signal injection. , 2020, , .		0
35	Fault Diagnosis for Energy Internet Using Correlation Processing-Based Convolutional Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1739-1748.	9.3	61
36	A New Wind Power Accommodation Strategy for Combined Heat and Power System Based on Bi-Directional Conversion. Energies, 2019, 12, 2458.	3.1	9

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37	A Method of Estimating Mutual Inductance and Load Resistance Using Harmonic Components in Wireless Power Transfer System. Energies, 2019, 12, 2728.	3.1	10
38	Optimal Position of the Intermediate Coils in a Magnetic Coupled Resonant Wireless Power Transfer System. Energies, 2019, 12, 3991.	3.1	3
39	Probabilistic Load Flow Algorithm of Distribution Networks with Distributed Generators and Electric Vehicles Integration. Energies, 2019, 12, 4234.	3.1	9
40	Synchronization of Uncertain Complex Dynamical Networks. International Journal of Software Engineering and Knowledge Engineering, 2019, 29, 923-939.	0.8	1
41	PCB Layout Optimization of High-Frequency Inverter for Magnetic Coupled Resonance Wireless Power Transfer System. IEEE Access, 2019, 7, 171395-171404.	4.2	4
42	Anaerobic reductive bio-dissolution of jarosites by Acidithiobacillus ferrooxidans using hydrogen as electron donor. Science of the Total Environment, 2019, 686, 869-877.	8.0	12
43	Event-trigger-based robust control for nonlinear constrained-input systems using reinforcement learning method. Neurocomputing, 2019, 340, 158-170.	5.9	41
44	Research on the CHP system with phase change heat storage involved in power grid rolling peak regulation. , 2019, , .		1
45	A Novel VSG-Based Accurate Voltage Control and Reactive Power Sharing Method for Islanded Microgrids. Sustainability, 2019, 11, 6666.	3.2	6
46	Weak Fault Diagnosis Method Based on SEGAN and KL Divergence for Industrial Equipment. , 2019, , .		0
47	Optimal operation and costâ€"benefit allocation for multiâ€participant cooperation of integrated energy system. IET Generation, Transmission and Distribution, 2019, 13, 5239-5247.	2.5	9
48	Wind Power Prediction Based on LSTM Networks and Nonparametric Kernel Density Estimation. IEEE Access, 2019, 7, 165279-165292.	4.2	101
49	A new robust adaptive neural network backstepping control for single machine infinite power system with TCSC. IEEE/CAA Journal of Automatica Sinica, 2019, , 1-9.	13.1	11
50	Control Strategy of Intergrated Photovoltaic-UPQC System for DC-Bus Voltage Stability and Voltage Sags Compensation. Energies, 2019, 12, 4009.	3.1	11
51	Regional Adaptability and Economic Evaluation Based on Electric Vehicle Policy Analysis. , 2019, , .		0
52	Novel Voltage Sag Protection Topology of Contactors for Uninterrupted Switching Capability. IEEE Transactions on Industry Applications, 2018, 54, 3170-3178.	4.9	24
53	Research on PMSM Sensorless Control Based on Improved RBF Neural Network Algorithm. , 2018, , .		5
54	Multimode Process Monitoring Based on Geodesic Distance. International Journal of Software Engineering and Knowledge Engineering, 2018, 28, 1225-1248.	0.8	5

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55	Optimal operation of energy internet based on user electricity anxiety and chaotic spatial variation particle swarm optimization. Tsinghua Science and Technology, 2018, 23, 243-253.	6.1	2
56	Design of adaptive lighting system based on fuzzy PID. , 2018, , .		2
57	Universal framework for vulnerability assessment of power grid based on complex networks. , 2018, , .		3
58	Observer-based state estimation of discrete-time nonlinear systems via a novel maximum-priority-based fuzzy observer. Signal Processing, 2017, 137, 63-68.	3.7	8
59	Non-Intrusive Load Monitoring and Identification Based on Maximum Likelihood Method. , 2017, , .		4
60	Construction of energy hub model and optimal scheduling of energy internet. , 2017, , .		2
61	A multi-object optimization model of electricity fee payment site selection based on multiple payment methods. , 2017, , .		0
62	Study on uninterrupted switching topology and its control strategy of voltage sag protection. , 2017, , .		1
63	Modeling and Control of Air Conditioning Loads for Consuming Distributed Energy Sources. Energies, 2017, 10, 1630.	3.1	3
64	Stability analysis on a class of nonlinear fractional-order systems. Nonlinear Dynamics, 2016, 86, 1023-1033.	5.2	41
65	Relaxed H_∞ design of discrete-time Takagi–Sugeno fuzzy systems: A multi-samples approach. Neurocomputing, 2016, 171, 106-112.	5.9	11
66	Output Consensus Regulation for State-Unmeasurable Discrete-Time Multiagent Systems with External Disturbances. Mathematical Problems in Engineering, 2015, 2015, 1-7.	1.1	0
67	Discrete-Time Optimal Control of Photovoltaic Grid-Connected Inverter Based on Particle Swarm Optimization. Mathematical Problems in Engineering, 2014, 2014, 1-10.	1.1	2
68	Stability analysis for nonlinear fractional-order systems based on comparison principle. Nonlinear Dynamics, 2014, 75, 387-402.	5.2	83
69	Observer Design of Discrete-Time T–S Fuzzy Systems Via Multi-Instant Homogenous Matrix Polynomials. IEEE Transactions on Fuzzy Systems, 2014, 22, 1714-1719.	9.8	91
70	Relaxed observer design of discrete-time T–S fuzzy systems via a novel multi-instant fuzzy observer. Signal Processing, 2014, 102, 296-303.	3.7	16
71	State estimation of recurrent neural networks with interval time-varying delay: an improved delay-dependent approach. Neural Computing and Applications, 2013, 23, 1149-1158.	5.6	10
72	Local stability analysis of high-order recurrent neural networks with multi-step piecewise linear activation functions. , 2013, , .		0

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73	New sufficient conditions for delay-dependent robust H<inf>&#x221E;</inf> control of uncertain nonlinear system based on fuzzy hyperbolic model with time-varying delays. , 2012, , .		0
74	Delay-Dependent Fuzzy Hyperbolic Model Based on Data-Driven Guaranteed Cost Control for a Class of Nonlinear Continuous-Time Systems with Uncertainties. Mathematical Problems in Engineering, 2012, 2012, 1-17.	1.1	3
75	Exponential networked synchronization of master-slave chaotic systems with time-varying communication topologies. Chinese Physics B, 2012, 21, 040503.	1.4	6
76	Research on Generator Excitation Control Based on Soft-Switching Technique. , 2011, , .		0
77	Robust H<inf>∞</inf> control of nonlinear stochastic systems based on Stochastic fuzzy hyperbolic model. , 2011, , .		0
78	Utilizing Symmetries in Chaotic Synchronization. , 2011, , .		0
79	Delay-dependent dynamic output feedback control for uncertain stochastic systems with time-varying delay. , 2011, , .		0
80	Adaptive synchronization of a class of chaotic neural networks with time-varying delays and uncertain parameters. , 2010, , .		0
81	Networked Synchronization Control of Coupled Dynamic Networks With Time-Varying Delay. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 1468-1479.	5.0	148
82	Greedy iterative DHP algorithm-based near-optimal control for a class of nonlinear descriptor systems with actuator saturating. , 2010, , .		1
83	Near-optimal control laws based on Heuristic Dynamic Programming iteration algorithm. , 2010, , .		3
84	Global Robust Asymptotical Stability of Generalized Recurrent Neural Networks with Mixed Time-Varying Delays. , 2009, , .		0
85	Delay-Dependent Non-fragile H Infinity Control for Fuzzy Descriptor Time-Delay Systems. , 2009, , .		0
86	Synchroniztion of Chaotic Systems Based on Fuzzy Hyperbolic Model. , 2009, , .		0
87	Multiple-input full bridge dc/dc converter. , 2009, , .		16
88	A systematic method for generating multiple-input DC/DC converters. , 2008, , .		7
89	Delay-dependent H<inf>∞</inf> control for stochastic systems with distributed time delay. , 2008, , .		0
90	GFHM Model and Control for Uncertain Chaotic System. Lecture Notes in Computer Science, 2006, , 53-62.	1.3	0

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91	Output Feedback Control for Chaotic System via Generalized Fuzzy Hyperbolic Model. , 2006, , .		1
92	Robust Strong Structural Controllability of Complex Power Systems. Frontiers in Energy Research, 0, 10, .	2.3	0