

Yong-Hui Sun

List of Publications by Year in descending order

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Version: 2024-02-01

141
papers

3,917
citations

117453

34
h-index

128067

60
g-index

143
all docs

143
docs citations

143
times ranked

3380
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite-time stabilization by state feedback control for a class of time-varying nonlinear systems. <i>Automatica</i> , 2012, 48, 499-504.	3.0	231
2	Synchronization in an array of linearly stochastically coupled networks with time delays. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 385, 718-728.	1.2	208
3	Adaptive Event-Triggered Fault Detection Scheme for Semi-Markovian Jump Systems With Output Quantization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 2370-2381.	5.9	177
4	Regio- and Chemoselective C-H Chlorination/Bromination of Electron-Deficient Arenes by Weak Coordination and Study of Relative Directing-Group Abilities. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4440-4444.	7.2	175
5	Containment Control of Semi-Markovian Multiagent Systems With Switching Topologies. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 3889-3899.	5.9	160
6	Direct-Current Predictive Control Strategy for Inhibiting Commutation Failure in HVDC Converter. <i>IEEE Transactions on Power Systems</i> , 2014, 29, 2409-2417.	4.6	150
7	Multi-Linear Probabilistic Energy Flow Analysis of Integrated Electrical and Natural-Gas Systems. <i>IEEE Transactions on Power Systems</i> , 2017, 32, 1970-1979.	4.6	145
8	Exponential synchronization of stochastic perturbed chaotic delayed neural networks. <i>Neurocomputing</i> , 2007, 70, 2477-2485.	3.5	144
9	A novel process to recycle spent LiFePO ₄ for synthesizing LiFePO ₄ /C hierarchical microflowers. <i>Electrochimica Acta</i> , 2016, 190, 134-140.	2.6	140
10	Fault Detection for Fuzzy Semi-Markov Jump Systems Based on Interval Type-2 Fuzzy Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 2375-2388.	6.5	136
11	Load mitigation for a barge-type floating offshore wind turbine via inerter-based passive structural control. <i>Engineering Structures</i> , 2018, 177, 198-209.	2.6	126
12	Adaptive lag synchronization of unknown chaotic delayed neural networks with noise perturbation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 364, 277-285.	0.9	119
13	th moment exponential stability of stochastic recurrent neural networks with time-varying delays. <i>Nonlinear Analysis: Real World Applications</i> , 2007, 8, 1171-1185.	0.9	100
14	Comfort-oriented vehicle suspension design with skyhook inerter configuration. <i>Journal of Sound and Vibration</i> , 2017, 405, 34-47.	2.1	100
15	A Carbon Price Forecasting Model Based on Variational Mode Decomposition and Spiking Neural Networks. <i>Energies</i> , 2016, 9, 54.	1.6	96
16	Stochastic stability of Markovian switching genetic regulatory networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 1646-1652.	0.9	90
17	A diversity-oriented synthesis of bioactive benzanilides via a regioselective C(sp ²)-H hydroxylation strategy. <i>Chemical Science</i> , 2016, 7, 2229-2238.	3.7	74
18	Robust H _∞ load frequency control of multi-area power system with time delay: a sliding mode control approach. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2018, 5, 610-617.	8.5	68

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19	Probabilistic available transfer capability calculation considering static security constraints and uncertainties of electricity-gas integrated energy systems. <i>Applied Energy</i> , 2016, 167, 305-316.	5.1	52
20	Finite-time synchronization control and parameter identification of uncertain permanent magnet synchronous motor. <i>Neurocomputing</i> , 2016, 207, 511-518.	3.5	50
21	Ultra short-term probability prediction of wind power based on LSTM network and condition normal distribution. <i>Wind Energy</i> , 2020, 23, 63-76.	1.9	48
22	A hybrid dynamic demand control strategy for power system frequency regulation. <i>CSEE Journal of Power and Energy Systems</i> , 2017, 3, 176-185.	1.7	46
23	A General Approach towards Catechol and Pyrogallol through Ruthenium- and Palladium-Catalyzed C-H Hydroxylation by Weak Coordination. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1625-1630.	2.1	44
24	Smart Distribution Network Situation Awareness for High-Quality Operation and Maintenance: A Brief Review. <i>Energies</i> , 2022, 15, 828.	1.6	43
25	Robust H ∞ load frequency control of delayed multi-area power system with stochastic disturbances. <i>Neurocomputing</i> , 2016, 193, 58-67.	3.5	42
26	Event-triggered fault detection for nonlinear semi-Markov jump systems based on double asynchronous filtering approach. <i>Automatica</i> , 2022, 138, 110144.	3.0	42
27	Robust Forecasting-Aided State Estimation for Power System Against Uncertainties. <i>IEEE Transactions on Power Systems</i> , 2020, 35, 691-702.	4.6	39
28	Fractional extended Kalman filtering for nonlinear fractional system with Lévy noises. <i>IET Control Theory and Applications</i> , 2017, 11, 349-358.	1.2	38
29	Adaptive synchronization between two different noise-perturbed chaotic systems with fully unknown parameters. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 376, 253-265.	1.2	37
30	Stabilization of stochastic delayed neural networks with Markovian switching. <i>Asian Journal of Control</i> , 2008, 10, 327-340.	1.9	37
31	Optimal Power and Gas Flow With a Limited Number of Control Actions. <i>IEEE Transactions on Smart Grid</i> , 2018, 9, 5371-5380.	6.2	36
32	Robust stochastic stability analysis of genetic regulatory networks with disturbance attenuation. <i>Neurocomputing</i> , 2012, 79, 39-49.	3.5	35
33	A modified Kalman filter algorithm for fractional system under Lévy noises. <i>Journal of the Franklin Institute</i> , 2015, 352, 1963-1978.	1.9	35
34	Adaptive Event-Triggered Load Frequency Control of Multi-Area Power Systems Under Networked Environment via Sliding Mode Control. <i>IEEE Access</i> , 2020, 8, 86585-86594.	2.6	33
35	Power Compensation of Network Losses in a Microgrid With BESS by Distributed Consensus Algorithm. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 2091-2100.	5.9	33
36	Multi-stage equipment optimal configuration of park-level integrated energy system considering flexible loads. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 140, 108050.	3.3	33

#	ARTICLE	IF	CITATIONS
37	Robust extended fractional Kalman filter for nonlinear fractional system with missing measurements. Journal of the Franklin Institute, 2018, 355, 361-380.	1.9	32
38	Robust H ∞ control of uncertain linear system with interval time-varying delays by using Wirtinger inequality. Applied Mathematics and Computation, 2018, 335, 1-11.	1.4	32
39	Day-Ahead Hierarchical Steady State Optimal Operation for Integrated Energy System Based on Energy Hub. Energies, 2018, 11, 2765.	1.6	31
40	A New Hybrid Short-Term Interval Forecasting of PV Output Power Based on EEMD-SE-RVM. Energies, 2020, 13, 87.	1.6	24
41	Hierarchical Multi-Objective Fuzzy Collaborative Optimization of Integrated Energy System under Off-Design Performance. Energies, 2019, 12, 830.	1.6	23
42	A real-time optimal generation cost control method for virtual power plant. Neurocomputing, 2014, 143, 322-330.	3.5	22
43	A New Approach to Dynamic Fuzzy Modeling of Genetic Regulatory Networks. IEEE Transactions on Nanobioscience, 2010, 9, 263-272.	2.2	21
44	Network-based robust event-triggered control for continuous-time uncertain semi-Markov jump systems. International Journal of Robust and Nonlinear Control, 2021, 31, 306-323.	2.1	21
45	An adaptive chaotic secure communication scheme with channel noises. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 5442-5447.	0.9	20
46	Multi-area distributed three-phase state estimation for unbalanced active distribution networks. Journal of Modern Power Systems and Clean Energy, 2017, 5, 767-776.	3.3	20
47	A Novel Combined Evolutionary Algorithm for Optimal Planning of Distributed Generators in Radial Distribution Systems. Applied Sciences (Switzerland), 2019, 9, 3394.	1.3	18
48	Robust stochastic stability of power system with time-varying delay under Gaussian random perturbations. Neurocomputing, 2015, 162, 1-8.	3.5	17
49	Guaranteed Cost Control for Interval Type-2 Fuzzy Semi-Markov Switching Systems Within a Finite-Time Interval. IEEE Transactions on Fuzzy Systems, 2022, 30, 2583-2594.	6.5	17
50	Adaptive Robust Cubature Kalman Filter for Power System Dynamic State Estimation Against Outliers. IEEE Access, 2019, 7, 105872-105881.	2.6	16
51	Steady-state security regions of electricity-gas integrated energy systems. , 2016, , .		15
52	Parameters Estimation of Electromechanical Oscillation With Incomplete Measurement Information. IEEE Transactions on Power Systems, 2018, 33, 5016-5028.	4.6	15
53	Event-triggered load frequency control for multi-area power systems based on Markov model: a global sliding mode control approach. IET Generation, Transmission and Distribution, 2020, 14, 4878-4887.	1.4	15
54	On asynchronous filtering for networked fuzzy systems with Markov jump parameters over a finite-time interval. IET Control Theory and Applications, 2016, 10, 2175-2185.	1.2	14

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55	Defect Texts Mining of Secondary Device in Smart Substation with GloVe and Attention-Based Bidirectional LSTM. <i>Energies</i> , 2020, 13, 4522.	1.6	14
56	Robust load frequency control for networked power system with renewable energy via fractional-order global sliding mode control. <i>IET Renewable Power Generation</i> , 2021, 15, 1046-1057.	1.7	14
57	Reduced-Order Fault Detection Filter Design for Fuzzy Semi-Markov Jump Systems With Partly Unknown Transition Rates. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 7702-7713.	5.9	14
58	Fuzzy PID Controller Design for Uncertain Networked Control Systems Based on Tâ€™S Fuzzy Model with Random Delays. <i>International Journal of Fuzzy Systems</i> , 2019, 21, 571-582.	2.3	13
59	Wind power system state estimation with automatic differentiation technique. <i>International Journal of Electrical Power and Energy Systems</i> , 2013, 53, 297-306.	3.3	12
60	Improved Power Flow Algorithm for VSC-HVDC System Based on High-Order Newton-Type Method. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-10.	0.6	12
61	Ultra-Short-Term Wind Power Forecasting Based on Deep Belief Network. , 2019, , .		12
62	Robust dynamic state estimation of power systems with model uncertainties based on adaptive unscented filter. <i>IET Generation, Transmission and Distribution</i> , 2019, 13, 2455-2463.	1.4	12
63	Iterative Learning Control of Constrained Systems With Varying Trial Lengths Under Alignment Condition. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 6670-6676.	7.2	12
64	Stochastic synchronization of nonlinear energy resource system via partial feedback control. <i>Nonlinear Dynamics</i> , 2012, 70, 2269-2278.	2.7	11
65	Instability analysis for semi-active control systems with semi-active inerters. <i>Nonlinear Dynamics</i> , 2021, 105, 99-112.	2.7	11
66	Load frequency control for multi-area power system based on Markov model. <i>Journal of the Franklin Institute</i> , 2021, 358, 8377-8395.	1.9	11
67	Robust synchronization of chaotic systems subject to parameter uncertainties. <i>Chaos</i> , 2009, 19, 033128.	1.0	10
68	Robust adaptive finite-time synchronization of nonlinear resource management system. <i>Neurocomputing</i> , 2016, 171, 1131-1138.	3.5	10
69	Frequency regulation strategy for private EVs participating in integrated power system of REs considering adaptive Markov transition probability. <i>Electric Power Systems Research</i> , 2019, 173, 291-301.	2.1	8
70	Nonfragile H [∞] output feedback control of linear systems with an event-triggered scheme against unreliable communication links. <i>ISA Transactions</i> , 2019, 84, 96-103.	3.1	8
71	Machine Learning for Energy Systems. <i>Energies</i> , 2020, 13, 4708.	1.6	8
72	Improved Hybridization of Evolutionary Algorithms with a Sensitivity-Based Decision-Making Technique for the Optimal Planning of Shunt Capacitors in Radial Distribution Systems. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1384.	1.3	8

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73	Distribution system state estimation considering the characteristics of power electronic loads. , 2014, , .		7
74	A novel path planning of mobile charger in wireless rechargeable sensor networks. , 2017, , .		7
75	Performance Improvement of Very Short-term Prediction Intervals for Regional Wind Power Based on Composite Conditional Nonlinear Quantile Regression. Journal of Modern Power Systems and Clean Energy, 2022, 10, 60-70.	3.3	7
76	Power flow calculation for unbalanced three-phase distribution network with DGs based on phase-sequence hybrid modeling. , 2013, , .		6
77	Voltage Stability Bifurcation Analysis for AC/DC Systems with VSC-HVDC. Abstract and Applied Analysis, 2013, 2013, 1-9.	0.3	6
78	Economic Dispatch in Smart Grid Based on Fully Distributed Consensus Algorithm with Time Delay. , 2018, , .		6
79	Robust fixed-time output-feedback control for linear systems without chattering: an exact uncertainty compensation method. Science China Information Sciences, 2022, 65, 1.	2.7	6
80	A historical data-driven unscented Kalman filter for distribution system state estimation. , 2017, , .		5
81	Hierarchical Optimal Operation for Integrated Energy System Based on Energy Hub. , 2018, , .		5
82	A Novel Power System Reliability Predicting Model Based on PCA and RVM. Mathematical Problems in Engineering, 2013, 2013, 1-6.	0.6	4
83	Temperature-dependent optimal power flow based on simplified interior point method. , 2015, , .		4
84	Robust load frequency control of multi-area interconnected power system with time delay. , 2015, , .		4
85	An Improved Kalman Filter for Fractional Order System with Measurement $L\tilde{A}$ noise. Lecture Notes in Electrical Engineering, 2016, , 485-492.	0.3	4
86	Adjustable loads control and stochastic stability analysis for multi-energy generation system based on Markov model. Neural Computing and Applications, 2020, 32, 1517-1529.	3.2	4
87	Inherent stability analysis for multibody systems with semi-active inerters. Journal of Sound and Vibration, 2022, 535, 117073.	2.1	4
88	State estimation of fractional order network system based on modified fractional order Kalman filter. , 2017, , .		3
89	Optimal Energy Flow of Electricity-Gas Integrated Energy System Using Second-order Cone Program. , 2018, , .		3
90	Parameter Estimation of Electromechanical Oscillation Based on a Constrained EKF with C&I-PSO. Energies, 2018, 11, 2059.	1.6	3

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91	Distributed hierarchical consensus algorithm for economic dispatch in smart grid. IET Generation, Transmission and Distribution, 2019, 13, 5541-5549.	1.4	3
92	Power system dynamic state estimation considering correlation of measurement error from PMU and SCADA. Concurrency Computation Practice and Experience, 2019, 31, e4726.	1.4	3
93	Application of semi-active inerter in a two-body point absorber via force tracking. Transactions of the Institute of Measurement and Control, 2021, 43, 2809-2817.	1.1	3
94	Multi-objective optimization of integrated energy system based on improved NSGA-II algorithm. , 2020, , .		3
95	Very Short-term Prediction for Wind Power Based on BiLSTM-Attention. , 2021, , .		3
96	Stabilization and synchronization of nonlinear energy resource system using fuzzy state-feedback controller. , 2012, , .		2
97	State estimation of nonlinear fractional order system with Lévy noises by using EKF. , 2016, , .		2
98	Analytical Approach to Estimating the Probability of Transient Stability under Stochastic Disturbances. , 2018, , .		2
99	The Charge and Discharge Integrated Management Mode of EVs with Financial Incentive Mechanism. , 2018, , .		2
100	Optimal Power Flow Calculation Using BFGS-Based Optimisation Scheme. , 2018, , .		2
101	Dynamic state estimation for synchronous machines based on interpolation H ∞ -extended Kalman filter. , 2018, , .		2
102	Ultra short term probability prediction of wind power based on wavelet decomposition and long short-term memory network. , 2019, , .		2
103	Steady State Analysis of Cold-Heat-Power-Gas-Steam Optimization in Integrated Energy System Considering Energy Storage Devices. , 2019, , .		2
104	Disturbance-observer-based adaptive neural control for switched nonlinear systems with average dwell time. International Journal of Robust and Nonlinear Control, 2021, 31, 7743.	2.1	2
105	Exact uncertainty compensation of linear systems by continuous fixed-time output-feedback controller. Journal of Systems Engineering and Electronics, 2022, 33, 706-715.	1.1	2
106	An active power smoothing control for photovoltaic-flywheel system using fuzzy control. , 2012, , .		1
107	Application of extended fractional Kalman filter to power system dynamic state estimation. , 2016, , .		1
108	A new state updating approach in power system dynamic state estimation considering correlated measurements. , 2017, , .		1

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109	Power Losses Minimization In Radial Distribution Networks By Capacitor Allocation Using Hybrid Evolutionary Computation Technique. , 2018, , .		1
110	Stochastic Modeling and Stability Analysis of Wind Power System Based on Markov Theory. , 2018, , .		1
111	Monitoring and Control of Sub/Hyper Synchronous Oscillation in The Area of Large Scale Renewable Energy. , 2018, , .		1
112	Fuzzy PID controller design for uncertain networked control systems. , 2018, , .		1
113	Optimization Dispatch of Integrated Natural Gas and Electricity Energy System under the Mode of Electricity-Orientated. , 2019, , .		1
114	Automatic Selecting Strategy in Demand Response Considering User Desire and Load Characteristics. , 2019, , .		1
115	Hierarchical Collaborative Optimal Scheduling of Economy Energy Efficiency in Energy Internet Based on Cooperative Game. , 2021, , .		1
116	Adaptive neural tracking control for high angle of attack maneuver with average dwell time. International Journal of Adaptive Control and Signal Processing, 0, , .	2.3	1
117	An Optimal Method of Regional Integrated Energy System Based on Two-stage Robust Model. , 2021, , .		1
118	Frequency Control of Islanded AC Microgrid via Non-Fragile H_{∞} Output Feedback Control Design Approach. , 2021, , .		1
119	Robust stochastic stability of hybrid genetic networks. , 2010, , .		0
120	A machine learning based method for optimal journal classification. , 2013, , .		0
121	Positive Stability Analysis and Bio-Circuit Design for Nonlinear Biochemical Networks. Abstract and Applied Analysis, 2013, 2013, 1-8.	0.3	0
122	Entrained Collective Rhythms of Multicellular Systems: Partial Impulsive Control Strategy. Abstract and Applied Analysis, 2013, 2013, 1-10.	0.3	0
123	Bilinear WLAV power system state estimation based on interior point method. , 2014, , .		0
124	Robust stochastic stability of delayed power system with Gaussian random perturbations. , 2014, , .		0
125	Impulsive control of stochastic interconnected power systems based on T-S fuzzy model. , 2014, , .		0
126	An improved robust stability criteria for power system with time-varying delays. , 2014, , .		0

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127	Multi-Objective dynamic optimal power flow using fuzzy sets theory incorporating a carbon capture power plant. , 2015, , .		0
128	A new MPPT method for photovoltaic grid-connected system based on Markov model. , 2017, , .		0
129	Transmission losses power compensation in a microgrid based on distributed consensus algorithm. , 2017, , .		0
130	Defect Classification of Power Secondary Equipment Based on XGBoost Algorithm. , 2019, , .		0
131	A resilient asynchronous filter design for hybrid stochastic systems based on an extended stochastic dissipativity. , 2019, , .		0
132	Distributed Optimal Economic Dispatch Based on Hierarchical Group Consensus Algorithm in Combined Heat and Power System. , 2019, , .		0
133	Text Mining of Power Secondary Equipment Based on BiLSTM-Attention. , 2020, , .		0
134	Multi-Objective Optimization of Regional Power and Natural Gas System in Coordination with Park Level Cooling and Heating System. , 2020, , .		0
135	Ultra-short-term Interval Prediction of Wind Farm Cluster Power Based on LASSO. , 2020, , .		0
136	Reliability Analysis of Intelligent Substation Protection System Based on Markov Model. , 2020, , .		0
137	Photovoltaic System Power Generation Forecasting Based on Spiking Neural Network. Lecture Notes in Electrical Engineering, 2016, , 573-581.	0.3	0
138	Robust H [∞] Filtering for Uncertain Semi-Markov Jump Systems and Its Application. , 2020, , .		0
139	Multi-Stage Capacity Configuration Approach for Regional Integrated Energy System. , 2020, , .		0
140	Day-Ahead Optimal Dispatch for Active Distribution Network Considering Probability Model of Controllable Distributed Generation. Frontiers in Energy Research, 2022, 9, .	1.2	0
141	A Review of Dynamic Modeling Approaches for Natural Gas Pipeline Networks in integrated energy systems. , 2021, , .		0