Fang Fang

List of Publications by Year
in descending order

68 papers	2,332 citations	218677 26 h-index	223800 46 g-index
69 all docs	69 docs citations	69 times ranked	1940 citing authors

#	ARTICLE	IF	CITATIONS
1	Resilient Control for Multiagent Systems With a Sampled-Data Model Against DoS Attacks. IEEE Transactions on Industrial Informatics, 2023, 19, 780-789.	11.3	10
2	Fault-tolerant control for T-S fuzzy systems with an aperiodic adaptive event-triggered sampling. Fuzzy Sets and Systems, 2023, 452, 23-41.	2.7	8
3	Cloud-Edge-End Cooperative Detection of Wind Turbine Blade Surface Damage Based on Lightweight Deep Learning Network. IEEE Internet Computing, 2023, 27, 43-51.	3.3	4
4	Data-Driven-Based Stochastic Robust Optimization for a Virtual Power Plant With Multiple Uncertainties. IEEE Transactions on Power Systems, 2022, 37, 456-466.	6.5	32
5	Investigating the Complementarity Characteristics of Wind and Solar Power for Load Matching Based on the Typical Load Demand in China. IEEE Transactions on Sustainable Energy, 2022, 13, 778-790.	8.8	12
6	Two-Layer Game Theoretic Microgrid Capacity Optimization Considering Uncertainty of Renewable Energy. IEEE Systems Journal, 2021, 15, 4260-4271.	4.6	25
7	A Win–Win Mode: The Complementary and Coexistence of 5G Networks and Edge Computing. IEEE Internet of Things Journal, 2021, 8, 3983-4003.	8.7	11
8	Fault tolerant sampled-data $\mathcal{H}_{\infty}$ control for networked control systems with probabilistic time-varying delay. Information Sciences, 2021, 544, 395-414.	6.9	14
9	Velocity-Free Event-Triggered Control for Multiple Euler–Lagrange Systems With Communication Time Delays. IEEE Transactions on Automatic Control, 2021, 66, 5599-5605.	5.7	58
10	Sampled-Data-Based Consensus of Distributed Multi-Agent Systems Under DoS Attacks. , 2021, , .		1
11	Design and Research of Transformer Fault Diagnosis Method Based on Data-driven. , 2021, , .		0
12	Probabilistic Solar Irradiation Forecasting Based on Variational Bayesian Inference With Secure Federated Learning. IEEE Transactions on Industrial Informatics, 2021, 17, 7849-7859.	11.3	46
13	Evolution and effectiveness of loss functions in generative adversarial networks. China Communications, 2021, 18, 45-76.	3.2	5
14	Modeling and flexible load control of combined heat and power units. Applied Thermal Engineering, 2020, 166, 114624.	6.0	32
15	Adaptive selective catalytic reduction model development using typical operating data in coal-fired power plants. Energy, 2020, 192, 116589.	8.8	24
16	An improved Shapley value-based profit allocation method for CHP-VPP. Energy, 2020, 213, 118805.	8.8	41
17	Data–driven control for combustion process of circulating fluidised bed boiler. IET Cyber-Physical Systems: Theory and Applications, 2020, 5, 39-48.	3.3	5
18	An early fault detection method for induced draft fans based on MSET with informative memory matrix selection. ISA Transactions, 2020, 102, 325-334.	5.7	22

#	ARTICLE	IF	CITATIONS
19	On criteria for stability of uncertain Lurâ€™e systems of neutral type. Nonlinear Dynamics, 2019, 98, 2185-2194.	5.2	3
20	LSTM-based Short-term Load Forecasting for Building Electricity Consumption. , 2019, , .		28
21	Weather-Classification-MARS-Based Photovoltaic Power Forecasting for Energy Imbalance Market. IEEE Transactions on Industrial Electronics, 2019, 66, 8692-8702.	7.9	32
22	State-of-charge balancing control for battery energy storage system based on event-triggered scheme. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	7
23	Uncertainties of virtual power plant: Problems and countermeasures. Applied Energy, 2019, 239, 454-470.	10.1	159
24	Event-Triggered HÂˆž State Estimation for Discrete-time T-S Fuzzy Systems. , 2019, , .		0
25	Probability Forecasting for Short-term Electricity Load Based on LSTM. , 2019, , .		2
26	Optimization of Microgrid Capacity Allocation Based on Game Theory. , 2019, , .		0
27	Prediction of Photovoltaic Power Generation Based on PSO-RNN and SVR Model. , 2019, , .		1
28	Energy Management Method on Integrated Energy System Based on Multi-agent Game. , 2019, , .		2
29	Research on Fault Diagnosis and Prediction of Power Plant Fans. , 2019, , .		1
30	Decentralized Dissipative Filtering for Delayed Nonlinear Interconnected Systems Based on Tâ€"S Fuzzy Model. IEEE Transactions on Fuzzy Systems, 2019, 27, 790-801.	9.8	35
31	Eventâ€triggered dissipative synchronization for Markovian jump neural networks with general transition probabilities. International Journal of Robust and Nonlinear Control, 2018, 28, 3893-3908.	3.7	46
32	Typical condition library construction for the development of data-driven models in power plants. Applied Thermal Engineering, 2018, 143, 160-171.	6.0	21
33	A dynamic model for the bed temperature prediction of circulating fluidized bed boilers based on least squares support vector machine with real operational data. Energy, 2017, 124, 284-294.	8.8	52
34	Short-term cooling, heating and electrical load forecasting in business parks based on improved entropy method. , 2017, , .		3
35	Power forecasting of solar photovoltaic power systems based on similar day and M5' model trees. , 2017, , .		4
36	Solar photovoltaic power prediction based on similar day approach. , 2017, , .		4

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37	${H}_{infty }$-LQR-Based Coordinated Control for Large Coal-Fired Boilerâ€"Turbine Generation Units. IEEE Transactions on Industrial Electronics, 2017, 64, 5212-5221.	7.9	27
38	Component-based modeling and analysis for variable-pitch wind turbine systems. , 2016, , .		0
39	Asynchronous opening fault diagnosis in independent wicket gates governor system using FTA and BP neural network. , 2016, , .		0
40	Gain scheduling control of waste heat energy conversion systems based on an LPV (linear parameter) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	8.8	19
41	Load Forecasting and Operation Strategy Design for CCHP Systems Using Forecasted Loads. IEEE Transactions on Control Systems Technology, 2015, 23, 1672-1684.	5.2	31
42	Multi-objective optimal analysis of comfort and energy management for intelligent buildings. , 2014, , .		13
43	Data-driven-based superheated steam temperature control of fossil fuel power generation units. , 2014, , .		1
44	Adaptive Backstepping-Based Composite Nonlinear Feedback Water Level Control for the Nuclear U-Tube Steam Generator. IEEE Transactions on Control Systems Technology, 2014, 22, 369-377.	5.2	47
45	Combined cooling, heating and power systems: A survey. Renewable and Sustainable Energy Reviews, 2014, 35, 1-22.	16.4	284
46	Event-Driven-Based Water Level Control for Nuclear Steam Generators. IEEE Transactions on Industrial Electronics, 2014, 61, 5480-5489.	7.9	28
47	Modeling and constrained multivariable predictive control for ORC (Organic Rankine Cycle) based waste heat energy conversion systems. Energy, 2014, 66, 128-138.	8.8	83
48	Minimum variance lower bound ratio based nonlinearity measure for closed loop systems. Journal of Process Control, 2013, 23, 1097-1107.	3.3	4
49	Generalized predictive control applied in waste heat recovery power plants. Applied Energy, 2013, 102, 320-326.	10.1	101
50	Optimal power flow and PGU capacity of CCHP systems using a matrix modeling approach. Applied Energy, 2013, 102, 794-802.	10.1	100
51	Dynamic evaluation of wind turbine health condition based on Gaussian mixture model and evidential reasoning. Journal of Renewable and Sustainable Energy, 2013, 5, .	2.0	19
52	Improved Minimum Entropy Filtering for Continuous Nonlinear Non-Gaussian Systems Using a Generalized Density Evolution Equation. Entropy, 2013, 15, 2510-2523.	2.2	8
53	Minimum-Information-Entropy-Based Control Performance Assessment. Entropy, 2013, 15, 943-959.	2.2	12
54	H<inf>&#x221E;</inf>-based LQR water level control for nuclear u-tube steam generators. , 2013, , .		1

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55	Linear Active Disturbance Rejection Control of Waste Heat Recovery Systems with Organic Rankine Cycles. Energies, 2012, 5, 5111-5125.	3.1	27
56	Dynamic modeling and multivariable control of organic Rankine cycles in waste heat utilizing processes. Computers and Mathematics With Applications, 2012, 64, 908-921.	2.7	99
57	A Novel Optimal Operational Strategy for the CCHP System Based on Two Operating Modes. IEEE Transactions on Power Systems, 2012, 27, 1032-1041.	6.5	165
58	Complementary configuration and operation of a CCHP-ORC system. Energy, 2012, 46, 211-220.	8.8	90
59	A new operation strategy for CCHP systems with hybrid chillers. Applied Energy, 2012, 95, 164-173.	10.1	180
60	Backstepping-based nonlinear adaptive control for coal-fired utility boilerâ€"turbine units. Applied Energy, 2011, 88, 814-824.	10.1	60
61	Optimal configuration of CCHP system based on energy, economical, and environmental considerations. , 2011, , .		9
62	A novel IMC cascade control structure of super-heated steam temperature system for super-critical coal-fired boilers. , 2011, , .		0
63	Backstepping-based nonlinear adaptive control for boiler-turbine units. , 2010, , .		1
64	Pressure equilibrium control for boiler-turbine units. , 2009, , .		1
65	Linear control of a boilerâ€"turbine unit: Analysis and design. ISA Transactions, 2008, 47, 189-197.	5.7	57
66	Nonlinear inversion-based output tracking control of a boiler-turbine unit. Journal of Control Theory and Applications, 2005, 3, 415-421.	0.8	6
67	Tuning of PID controllers for boiler-turbine units. ISA Transactions, 2004, 43, 571-583.	5.7	78
68	Dataâ€"driven lumped dynamic modelling of wind farm frequency regulation characteristics. IET Cyber-Physical Systems: Theory and Applications, 0, , .	3.3	1