

Fang Fang

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

2,332
citations

218381

26
h-index

223531

46
g-index

69
all docs

69
docs citations

69
times ranked

1940
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined cooling, heating and power systems: A survey. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 35, 1-22.	8.2	284
2	A new operation strategy for CCHP systems with hybrid chillers. <i>Applied Energy</i> , 2012, 95, 164-173.	5.1	180
3	A Novel Optimal Operational Strategy for the CCHP System Based on Two Operating Modes. <i>IEEE Transactions on Power Systems</i> , 2012, 27, 1032-1041.	4.6	165
4	Uncertainties of virtual power plant: Problems and countermeasures. <i>Applied Energy</i> , 2019, 239, 454-470.	5.1	159
5	Generalized predictive control applied in waste heat recovery power plants. <i>Applied Energy</i> , 2013, 102, 320-326.	5.1	101
6	Optimal power flow and PGU capacity of CCHP systems using a matrix modeling approach. <i>Applied Energy</i> , 2013, 102, 794-802.	5.1	100
7	Dynamic modeling and multivariable control of organic Rankine cycles in waste heat utilizing processes. <i>Computers and Mathematics With Applications</i> , 2012, 64, 908-921.	1.4	99
8	Complementary configuration and operation of a CCHP-ORC system. <i>Energy</i> , 2012, 46, 211-220.	4.5	90
9	Modeling and constrained multivariable predictive control for ORC (Organic Rankine Cycle) based waste heat energy conversion systems. <i>Energy</i> , 2014, 66, 128-138.	4.5	83
10	Tuning of PID controllers for boiler-turbine units. <i>ISA Transactions</i> , 2004, 43, 571-583.	3.1	78
11	Backstepping-based nonlinear adaptive control for coal-fired utility boiler-turbine units. <i>Applied Energy</i> , 2011, 88, 814-824.	5.1	60
12	Velocity-Free Event-Triggered Control for Multiple Euler-Lagrange Systems With Communication Time Delays. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 5599-5605.	3.6	58
13	Linear control of a boiler-turbine unit: Analysis and design. <i>ISA Transactions</i> , 2008, 47, 189-197.	3.1	57
14	A dynamic model for the bed temperature prediction of circulating fluidized bed boilers based on least squares support vector machine with real operational data. <i>Energy</i> , 2017, 124, 284-294.	4.5	52
15	Adaptive Backstepping-Based Composite Nonlinear Feedback Water Level Control for the Nuclear U-Tube Steam Generator. <i>IEEE Transactions on Control Systems Technology</i> , 2014, 22, 369-377.	3.2	47
16	Event-triggered dissipative synchronization for Markovian jump neural networks with general transition probabilities. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 3893-3908.	2.1	46
17	Probabilistic Solar Irradiation Forecasting Based on Variational Bayesian Inference With Secure Federated Learning. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 7849-7859.	7.2	46
18	Fault tolerant sampled-data control for networked control systems with probabilistic time-varying delay. <i>Information Sciences</i> , 2021, 544, 395-414.	4.0	44

#	ARTICLE	IF	CITATIONS
19	An improved Shapley value-based profit allocation method for CHP-VPP. Energy, 2020, 213, 118805.	4.5	41
20	Decentralized Dissipative Filtering for Delayed Nonlinear Interconnected Systems Based on Tâ€S Fuzzy Model. IEEE Transactions on Fuzzy Systems, 2019, 27, 790-801.	6.5	35
21	Weather-Classification-MARS-Based Photovoltaic Power Forecasting for Energy Imbalance Market. IEEE Transactions on Industrial Electronics, 2019, 66, 8692-8702.	5.2	32
22	Modeling and flexible load control of combined heat and power units. Applied Thermal Engineering, 2020, 166, 114624.	3.0	32
23	Data-Driven-Based Stochastic Robust Optimization for a Virtual Power Plant With Multiple Uncertainties. IEEE Transactions on Power Systems, 2022, 37, 456-466.	4.6	32
24	Load Forecasting and Operation Strategy Design for CCHP Systems Using Forecasted Loads. IEEE Transactions on Control Systems Technology, 2015, 23, 1672-1684.	3.2	31
25	Event-Driven-Based Water Level Control for Nuclear Steam Generators. IEEE Transactions on Industrial Electronics, 2014, 61, 5480-5489.	5.2	28
26	LSTM-based Short-term Load Forecasting for Building Electricity Consumption. , 2019, , .		28
27	Linear Active Disturbance Rejection Control of Waste Heat Recovery Systems with Organic Rankine Cycles. Energies, 2012, 5, 5111-5125.	1.6	27
28	H_{∞} -LQR-Based Coordinated Control for Large Coal-Fired Boilerâ€™Turbine Generation Units. IEEE Transactions on Industrial Electronics, 2017, 64, 5212-5221.	5.2	27
29	Two-Layer Game Theoretic Microgrid Capacity Optimization Considering Uncertainty of Renewable Energy. IEEE Systems Journal, 2021, 15, 4260-4271.	2.9	25
30	Adaptive selective catalytic reduction model development using typical operating data in coal-fired power plants. Energy, 2020, 192, 116589.	4.5	24
31	An early fault detection method for induced draft fans based on MSET with informative memory matrix selection. ISA Transactions, 2020, 102, 325-334.	3.1	22
32	Typical condition library construction for the development of data-driven models in power plants. Applied Thermal Engineering, 2018, 143, 160-171.	3.0	21
33	Dynamic evaluation of wind turbine health condition based on Gaussian mixture model and evidential reasoning. Journal of Renewable and Sustainable Energy, 2013, 5, .	0.8	19
34	Gain scheduling control of waste heat energy conversion systems based on an LPV (linear parameter) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.5	19
35	Multi-objective optimal analysis of comfort and energy management for intelligent buildings. , 2014, , .		13
36	Minimum-Information-Entropy-Based Control Performance Assessment. Entropy, 2013, 15, 943-959.	1.1	12

#	ARTICLE	IF	CITATIONS
37	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.	5.9	12
38	A Win-Win Mode: The Complementary and Coexistence of 5G Networks and Edge Computing. IEEE Internet of Things Journal, 2021, 8, 3983-4003.	5.5	11
39	Resilient Control for Multiagent Systems With a Sampled-Data Model Against DoS Attacks. IEEE Transactions on Industrial Informatics, 2023, 19, 780-789.	7.2	10
40	Optimal configuration of CCHP system based on energy, economical, and environmental considerations. , 2011, , .		9
41	Improved Minimum Entropy Filtering for Continuous Nonlinear Non-Gaussian Systems Using a Generalized Density Evolution Equation. Entropy, 2013, 15, 2510-2523.	1.1	8
42	Fault-tolerant control for T-S fuzzy systems with an aperiodic adaptive event-triggered sampling. Fuzzy Sets and Systems, 2023, 452, 23-41.	1.6	8
43	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.	1.1	7
44	Nonlinear inversion-based output tracking control of a boiler-turbine unit. Journal of Control Theory and Applications, 2005, 3, 415-421.	0.8	6
45	Data-driven control for combustion process of circulating fluidised bed boiler. IET Cyber-Physical Systems: Theory and Applications, 2020, 5, 39-48.	1.9	5
46	Evolution and effectiveness of loss functions in generative adversarial networks. China Communications, 2021, 18, 45-76.	2.0	5
47	Minimum variance lower bound ratio based nonlinearity measure for closed loop systems. Journal of Process Control, 2013, 23, 1097-1107.	1.7	4
48	Power forecasting of solar photovoltaic power systems based on similar day and M5' model trees. , 2017, , .		4
49	Solar photovoltaic power prediction based on similar day approach. , 2017, , .		4
50	Cloud-Edge-End Cooperative Detection of Wind Turbine Blade Surface Damage Based on Lightweight Deep Learning Network. IEEE Internet Computing, 2023, 27, 43-51.	3.2	4
51	Short-term cooling, heating and electrical load forecasting in business parks based on improved entropy method. , 2017, , .		3
52	On criteria for stability of uncertain Lur'e systems of neutral type. Nonlinear Dynamics, 2019, 98, 2185-2194.	2.7	3
53	Probability Forecasting for Short-term Electricity Load Based on LSTM. , 2019, , .		2
54	Energy Management Method on Integrated Energy System Based on Multi-agent Game. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
55	Pressure equilibrium control for boiler-turbine units. , 2009, , .		1
56	Backstepping-based nonlinear adaptive control for boiler-turbine units. , 2010, , .		1
57	H ∞ -based LQR water level control for nuclear u-tube steam generators. , 2013, , .		1
58	Data-driven-based superheated steam temperature control of fossil fuel power generation units. , 2014, , .		1
59	Prediction of Photovoltaic Power Generation Based on PSO-RNN and SVR Model. , 2019, , .		1
60	Research on Fault Diagnosis and Prediction of Power Plant Fans. , 2019, , .		1
61	Sampled-Data-Based Consensus of Distributed Multi-Agent Systems Under DoS Attacks. , 2021, , .		1
62	Data-driven lumped dynamic modelling of wind farm frequency regulation characteristics. IET Cyber-Physical Systems: Theory and Applications, 0, , .	1.9	1
63	A novel IMC cascade control structure of super-heated steam temperature system for super-critical coal-fired boilers. , 2011, , .		0
64	Component-based modeling and analysis for variable-pitch wind turbine systems. , 2016, , .		0
65	Asynchronous opening fault diagnosis in independent wicket gates governor system using FTA and BP neural network. , 2016, , .		0
66	Event-Triggered H ∞ State Estimation for Discrete-time T-S Fuzzy Systems. , 2019, , .		0
67	Optimization of Microgrid Capacity Allocation Based on Game Theory. , 2019, , .		0
68	Design and Research of Transformer Fault Diagnosis Method Based on Data-driven. , 2021, , .		0