Fang Liu

List of Publications by Year
in descending order

41 papers	1,025 citations	516710 16 h-index	414414 32 g-index
41 all docs	41 docs citations	41 times ranked	1210 citing authors

#	Article	IF	Citations
1	Air Pollution Forecasting Using a Deep Learning Model Based on 1D Convnets and Bidirectional GRU. IEEE Access, 2019, 7, 76690-76698.	4.2	182
2	Flexible Voltage Control Strategy Considering Distributed Energy Storages for DC Distribution Network. IEEE Transactions on Smart Grid, 2019, 10, 163-172.	9.0	124
3	A Two-Layer Active Disturbance Rejection Controller Design for Load Frequency Control of Interconnected Power System. IEEE Transactions on Power Systems, 2016, 31, 3320-3321.	6.5	110
4	A Virtual Impedance Comprehensive Control Strategy for the Controllably Inductive Power Filtering System. IEEE Transactions on Power Electronics, 2017, 32, 920-926.	7.9	65
5	A Dynamic Analysis of Energy Storage With Renewable and Diesel Generation Using Volterra Equations. IEEE Transactions on Industrial Informatics, 2020, 16, 3451-3459.	11.3	61
6	Voltage Stability Analysis and Sliding-Mode Control Method for Rectifier in DC Systems With Constant Power Loads. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 1621-1630.	5.4	47
7	Takagi–Sugeno fuzzy model–based approach considering multiple weather factors for the photovoltaic power short–term forecasting. IET Renewable Power Generation, 2017, 11, 1281-1287.	3.1	42
8	A Controllably Inductive Filtering Method With Transformer-Integrated Linear Reactor for Power Quality Improvement of Shipboard Power System. IEEE Transactions on Power Delivery, 2017, 32, 1817-1827.	4.3	31
9	Impact of uncertainty and correlation on operation of micro-integrated energy system. International Journal of Electrical Power and Energy Systems, 2019, 112, 262-271.	5.5	31
10	Wind Speed and Power Ultra Short-Term Robust Forecasting Based on Takagi–Sugeno Fuzzy Model. Energies, 2019, 12, 3551.	3.1	31
11	Toward Zero-Emission Hybrid AC/DC Power Systems with Renewable Energy Sources and Storages: A Case Study from Lake Baikal Region. Energies, 2020, 13, 1226.	3.1	31
12	A dynamic coordinated control strategy of WTG-ES combined system for short-term frequency support. Renewable Energy, 2018, 119, 1-11.	8.9	30
13	Delay-dependent wide-area damping control for stability enhancement of HVDC/AC interconnected power systems. Control Engineering Practice, 2015, 37, 43-54.	5.5	25
14	An Asymmetrical Connection Balance Transformer-Based Hybrid Railway Power Conditioning System With Cost-Function Optimization. IEEE Transactions on Transportation Electrification, 2018, 4, 577-590.	7.8	22
15	Multi–DFIG aggregated model based SSR analysis considering wind spatial distribution. IET Renewable Power Generation, 2019, 13, 549-554.	3.1	18
16	Equivalent input disturbance–based robust LFC strategy for power system with wind farms. IET Generation, Transmission and Distribution, 2018, 12, 4582-4588.	2.5	17
17	Cooperative Operation of DG Inverters and a RIHAF for Power Quality Improvement in an Integrated Transformer-Structured Grid-Connected Microgrid. IEEE Transactions on Industry Applications, 2019, 55, 1157-1170.	4.9	15
18	Harmonic Resonance Characteristic of Large-Scale PV Plant: Modelling, Analysis, and Engineering Case. IEEE Transactions on Power Delivery, 2022, 37, 2359-2368.	4.3	14

#	Article	IF	Citations
19	Active disturbance rejection control based on EID compensation for LFC with communication delays. IFAC Journal of Systems and Control, 2018, 6, 25-32.	1.7	13
20	Energy balancing using charge/discharge storages control and load forecasts in a renewable-energy-based grids. , 2019, , .		13
21	Nonlinear Systems of Volterra Equations with Piecewise Smooth Kernels: Numerical Solution and Application for Power Systems Operation. Mathematics, 2020, 8, 1257.	2.2	13
22	Hybrid inductive and active filtering method for damping harmonic resonance in distribution network with non‐linear loads. IET Power Electronics, 2015, 8, 1616-1624.	2.1	10
23	A Comprehensive Survey of Accurate and Efficient Aggregation Modeling for High Penetration of Large-Scale Wind Farms in Smart Grid. Applied Sciences (Switzerland), 2019, 9, 769.	2.5	9
24	Robust LFC Strategy for Wind Integrated Time-Delay Power System Using EID Compensation. Energies, 2019, 12, 3223.	3.1	9
25	A Control Method for IPMSM Based on Active Disturbance Rejection Control and Model Predictive Control. Mathematics, 2021, 9, 760.	2.2	9
26	Machine Learning for Energy Systems. Energies, 2020, 13, 4708.	3.1	8
27	Bidirectional Gated Recurrent Unit-Based Lower Upper Bound Estimation Method for Wind Power Interval Prediction. IEEE Transactions on Artificial Intelligence, 2022, 3, 461-469.	4.7	8
28	A Novel Ultra-Short-Term PV Power Forecasting Method Based on DBN-Based Takagi-Sugeno Fuzzy Model. Energies, 2021, 14, 6447.	3.1	7
29	Transient Rotor Angle Stability Prediction Based on Deep Belief Network and Long Short-term Memory Network. IFAC-PapersOnLine, 2019, 52, 176-181.	0.9	6
30	A Compact-design Oriented Shipboard Power Supply System with Transformer Integrated Filtering Method. IEEE Transactions on Power Electronics, 2021, , 1-1.	7.9	5
31	An LLC-Based Battery Equalizer with Inherent Current Limitation. IEEE Transactions on Power Electronics, 2021, , 1-1.	7.9	5
32	A New Push-Pull DC/DC Converter Topology With Complementary Active Clamped. IEEE Transactions on Industrial Electronics, 2022, 69, 6445-6449.	7.9	4
33	Recurrent Neural Networks Application to Forecasting with Two Cases: Load and Pollution. Advances in Intelligent Systems and Computing, 2020, , 369-378.	0.6	4
34	Design and Implementation of Delay-Dependent Wide-Area Damping Control for Stability Enhancement of Power Systems. Power Systems, 2016, , 179-202.	0.5	3
35	Novel delay-dependent robust stability criteria of hopfield neural networks with time-varying delay. , 2017, , .		1
36	Fault-ride Through Control Strategy of Multi-terminal High Voltage DC Systems. IFAC-PapersOnLine, 2018, 51, 540-545.	0.9	1

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37	Stochastic stability analysis of Markovian jump systems with additive mode-dependent time-varying delays and partially known transition rates. International Journal of Systems Science, 0, , 1-12.	5.5	1
38	A control architecture to coordinate DG inverters and a series-ZC-filtered hybrid active filter for power quality improvement in micro-grid. , 2017, , .		0
39	New Stability Analysis Results for Linear System with Two Additive Time-Varying Delay Components. Complexity, 2020, 2020, 1-12.	1.6	0
40	Identification of Mode Shapes Based on Ambient Signals and the IA-VMD Method. Applied Sciences (Switzerland), 2021, 11, 530.	2.5	0
41	A new criterion of asymptotic stability for Hopfield neural networks with time-varying delay. Vestnik Irkutskogo Gosudarstvennogo Tehniceskogo Universiteta, 2022, 25, 753-761.	0.2	0