Donghan Feng

List of Publications by Year
in descending order

43 papers	451 citations	759233 12 h-index	794594 19 g-index
44 all docs	44 docs citations	44 times ranked	499 citing authors

#	Article	IF	Citations
1	Decentralized charging control strategy of the electric vehicle aggregator based on augmented Lagrangian method. International Journal of Electrical Power and Energy Systems, 2019, 104, 673-679.	5.5	58
2	Ant-Based Swarm Algorithm for Charging Coordination of Electric Vehicles. International Journal of Distributed Sensor Networks, 2013, 9, 268942.	2.2	38
3	Supplier Asset Allocation in a Pool-Based Electricity Market. IEEE Transactions on Power Systems, 2007, 22, 1129-1138.	6.5	32
4	Optimal design and operation of PV-battery systems considering the interdependency of heat pumps. Journal of Energy Storage, 2019, 23, 526-536.	8.1	30
5	Coordinated operation of reconfigurable networks with dynamic line rating for optimal utilization of renewable generation. International Journal of Electrical Power and Energy Systems, 2021, 125, 106473.	5.5	22
6	Optimal scheduling for power system peak load regulation considering short-time startup and shutdown operations of thermal power unit. International Journal of Electrical Power and Energy Systems, 2021, 131, 107012.	5.5	21
7	Short Term Residential Load Forecasting: An Improved Optimal Nonlinear Auto Regressive (NARX) Method with Exponential Weight Decay Function. Electronics (Switzerland), 2018, 7, 432.	3.1	20
8	Reactive Market Power Analysis Using Must-Run Indices. IEEE Transactions on Power Systems, 2008, 23, 755-765.	6.5	17
9	Cooperative Game for Carbon Obligation Allocation Among Distribution System Operators to Incentivize the Proliferation of Renewable Energy. IEEE Transactions on Smart Grid, 2019, 10, 6355-6365.	9.0	17
10	Aggregator-based demand response mechanism for electric vehicles participating in peak regulation in valley time of receiving-end power grid. Global Energy Interconnection, 2020, 3, 453-463.	2.3	16
11	Optimizing Generation Capacities Incorporating Renewable Energy with Storage Systems Using Genetic Algorithms. Electronics (Switzerland), 2018, 7, 100.	3.1	14
12	Multi-agent-based Rolling Optimization Method for Restoration Scheduling of Distribution Systems with Distributed Generation. Journal of Modern Power Systems and Clean Energy, 2020, 8, 737-749.	5.4	13
13	On the Dynamics of Distributed Energy Adoption: Equilibrium, Stability, and Limiting Capacity. IEEE Transactions on Automatic Control, 2020, 65, 102-114.	5.7	11
14	Impact assessment of a <scp>co‐optimized</scp> dynamic line rating and transmission switching topology on network expansion planning. International Transactions on Electrical Energy Systems, 2020, 30, e12457.	1.9	11
15	Optimal Demand Contracting Strategy Under Uncertainty and Its Implication for Advanced Pricing. IEEE Transactions on Smart Grid, 2016, 7, 1876-1885.	9.0	10
16	Optimization of Customer-Side Battery Storage for Multiple Service Provision: Arbitrage, Peak Shaving, and Regulation. IEEE Transactions on Industry Applications, 2022, 58, 2559-2573.	4.9	10
17	Mobilizing grid flexibility through optimal transmission switching for power systems with large‐scale renewable integration. International Transactions on Electrical Energy Systems, 2020, 30, e12211.	1.9	9
18	Congestion Surplus Minimization Pricing Solutions When Lagrange Multipliers are not Unique. IEEE Transactions on Power Systems, 2014, 29, 2023-2032.	6.5	8

#	Article	IF	Citations
19	A security-constrained flexible demand scheduling strategy for wind power accommodation. International Transactions on Electrical Energy Systems, 2016, 26, 1171-1183.	1.9	8
20	An Improved Optimal Forecasting Algorithm for Comprehensive Electric Vehicle Charging Allocation. Energy Technology, 2019, 7, 1900436.	3.8	8
21	Network overloading management by exploiting the in‐system batteries of electric vehicles. International Journal of Energy Research, 2021, 45, 5866-5880.	4.5	8
22	Dynamic battery loss evaluation and its application for optimal online wind‐storage integrated scheduling. IET Renewable Power Generation, 2020, 14, 3079-3087.	3.1	8
23	Decentralized Charging of Plug-In Electric Vehicles Using Lagrange Relaxation Method at the Residential Transformer Level. International Journal of Emerging Electric Power Systems, 2016, 17, 267-276.	0.8	5
24	Simulation embedded artificial intelligence search method for supplier trading portfolio decision. IET Generation, Transmission and Distribution, 2010, 4, 221.	2.5	4
25	Cloud computing in electric vehicles charging control and dispatch optimization. , 2014, , .		4
26	Application of carbon intensity in generation expansion planning: A comparative study. , 2015, , .		4
27	Optimal spinning reserve allocation strategy under uncertainties and contingencies. , 2016, , .		4
28	Constraint Qualification Based Detection Method for Nodal Price Multiplicity. IEEE Transactions on Power Systems, 2017, 32, 4968-4969.	6.5	4
29	Optimal energy management of residential battery storage under uncertainty. International Transactions on Electrical Energy Systems, 2021, 31, e12713.	1.9	4
30	A heuristically optimized comprehensive charging scheme for large‐scale EV integration. International Transactions on Electrical Energy Systems, 2020, 30, e12313.	1.9	3
31	Risk analysis of volume cheat strategy in a competitive capacity market. , 2009, , .		2
32	The economic impact of electric vehicle routing and charging strategy on traffic-power integrated networks. , 2017, , .		2
33	Optimal asset allocation of wind energy units in conjunction with demand response for a large‐scale electric grid. International Journal of Energy Research, 2019, 43, 5447-5459.	4.5	2
34	Aggregator-Based Demand Response Mechanism for Electric Vehicles Participating in Peak Regulation in Valley Time of Receiving-End Power Grid. , 2020, , .		2
35	A generation dispatch model internalizing external costs of power plants. European Transactions on Electrical Power, 2012, 22, 1027-1036.	1.0	1
36	A Shapley value based method for allocating carbon obligation between generation side and demand side in power system. , 2017, , .		1

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37	Optimal Daily Storage Operation for Industrial and Commercial Load Management. , 2020, , .		1
38	Warm‐start piecewise linear approximation‐based solution for load pick‐up problem in electrical distribution system. IET Smart Grid, 2020, 3, 385-393.	2.2	1
39	Investment analysis of power producers under reliability option scheme. Energy Reports, 2022, 8, 792-797.	5.1	1
40	Strategic Bidding in Electricity Markets: A Power Grid Partitioning Approach. , 2019, , .		0
41	Coordinated Planning of PEV Fast charging Network with Station-owned Photovoltaic Generation. , 2019, , .		0
42	Day-Ahead Scheduling of a Microgrid-Like Fast Charging Station. , 2019, , .		0
43	Multi-energy Complementarity Evaluation and Its Interaction with Wind and Photovoltaic Capacity optimization. , 2020, , .		0