

# Donghan Feng

## List of Publications by Year in descending order

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43  
papers

451  
citations

759233

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h-index

794594

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all docs

44  
docs citations

44  
times ranked

499  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Investment analysis of power producers under reliability option scheme. Energy Reports, 2022, 8, 792-797.	5.1	1
3	Network overloading management by exploiting the inâ€system batteries of electric vehicles. International Journal of Energy Research, 2021, 45, 5866-5880.	4.5	8
4	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
5	Optimal energy management of residential battery storage under uncertainty. International Transactions on Electrical Energy Systems, 2021, 31, e12713.	1.9	4
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	On the Dynamics of Distributed Energy Adoption: Equilibrium, Stability, and Limiting Capacity. IEEE Transactions on Automatic Control, 2020, 65, 102-114.	5.7	11
8	A heuristically optimized comprehensive charging scheme for largeâ€scale EV integration. International Transactions on Electrical Energy Systems, 2020, 30, e12313.	1.9	3
9	Mobilizing grid flexibility through optimal transmission switching for power systems with largeâ€scale renewable integration. International Transactions on Electrical Energy Systems, 2020, 30, e12211.	1.9	9
10	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
11	Multi-energy Complementarity Evaluation and Its Interaction with Wind and Photovoltaic Capacity optimization. , 2020, , .		0
12	Optimal Daily Storage Operation for Industrial and Commercial Load Management. , 2020, , .		1
13	Aggregator-Based Demand Response Mechanism for Electric Vehicles Participating in Peak Regulation in Valley Time of Receiving-End Power Grid. , 2020, , .		2
14	Impact assessment of a <sc>coâ€optimized</sc> dynamic line rating and transmission switching topology on network expansion planning. International Transactions on Electrical Energy Systems, 2020, 30, e12457.	1.9	11
15	Warmâ€start piecewise linear approximationâ€based solution for load pickâ€up problem in electrical distribution system. IET Smart Grid, 2020, 3, 385-393.	2.2	1
16	Dynamic battery loss evaluation and its application for optimal online windâ€storage integrated scheduling. IET Renewable Power Generation, 2020, 14, 3079-3087.	3.1	8
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	An Improved Optimal Forecasting Algorithm for Comprehensive Electric Vehicle Charging Allocation. Energy Technology, 2019, 7, 1900436.	3.8	8
20	Strategic Bidding in Electricity Markets: A Power Grid Partitioning Approach. , 2019, , .		0
21	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
22	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
23	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
24	Coordinated Planning of PEV Fast charging Network with Station-owned Photovoltaic Generation. , 2019, , .		0
25	Day-Ahead Scheduling of a Microgrid-Like Fast Charging Station. , 2019, , .		0
26	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
27	Optimizing Generation Capacities Incorporating Renewable Energy with Storage Systems Using Genetic Algorithms. Electronics (Switzerland), 2018, 7, 100.	3.1	14
28	Constraint Qualification Based Detection Method for Nodal Price Multiplicity. IEEE Transactions on Power Systems, 2017, 32, 4968-4969.	6.5	4
29	The economic impact of electric vehicle routing and charging strategy on traffic-power integrated networks. , 2017, , .		2
30	A Shapley value based method for allocating carbon obligation between generation side and demand side in power system. , 2017, , .		1
31	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
32	Optimal spinning reserve allocation strategy under uncertainties and contingencies. , 2016, , .		4
33	A security-constrained flexible demand scheduling strategy for wind power accommodation. International Transactions on Electrical Energy Systems, 2016, 26, 1171-1183.	1.9	8
34	Optimal Demand Contracting Strategy Under Uncertainty and Its Implication for Advanced Pricing. IEEE Transactions on Smart Grid, 2016, 7, 1876-1885.	9.0	10
35	Application of carbon intensity in generation expansion planning: A comparative study. , 2015, , .		4
36	Cloud computing in electric vehicles charging control and dispatch optimization. , 2014, , .		4

#	ARTICLE	IF	CITATIONS
37	Congestion Surplus Minimization Pricing Solutions When Lagrange Multipliers are not Unique. IEEE Transactions on Power Systems, 2014, 29, 2023-2032.	6.5	8
38	Ant-Based Swarm Algorithm for Charging Coordination of Electric Vehicles. International Journal of Distributed Sensor Networks, 2013, 9, 268942.	2.2	38
39	A generation dispatch model internalizing external costs of power plants. European Transactions on Electrical Power, 2012, 22, 1027-1036.	1.0	1
40	Simulation embedded artificial intelligence search method for supplier trading portfolio decision. IET Generation, Transmission and Distribution, 2010, 4, 221.	2.5	4
41	Risk analysis of volume cheat strategy in a competitive capacity market. , 2009, , .		2
42	Reactive Market Power Analysis Using Must-Run Indices. IEEE Transactions on Power Systems, 2008, 23, 755-765.	6.5	17
43	Supplier Asset Allocation in a Pool-Based Electricity Market. IEEE Transactions on Power Systems, 2007, 22, 1129-1138.	6.5	32