Yujian Ye

List of Publications by Year
in descending order

47 papers	983 citations	567281 15 h-index	454955 30 g-index
47 all docs	47 docs citations	47 times ranked	696 citing authors

#	Article	IF	Citations
1	Deep Reinforcement Learning for Strategic Bidding in Electricity Markets. IEEE Transactions on Smart Grid, 2020, 11, 1343-1355.	9.0	149
2	Model-Free Real-Time Autonomous Control for a Residential Multi-Energy System Using Deep Reinforcement Learning. IEEE Transactions on Smart Grid, 2020, 11, 3068-3082.	9.0	112
3	Scalable coordinated management of peer-to-peer energy trading: A multi-cluster deep reinforcement learning approach. Applied Energy, 2021, 292, 116940.	10.1	70
4	Clustering-Based Residential Baseline Estimation: A Probabilistic Perspective. IEEE Transactions on Smart Grid, 2019, 10, 6014-6028.	9.0	62
5	A Deep Reinforcement Learning Method for Pricing Electric Vehicles With Discrete Charging Levels. IEEE Transactions on Industry Applications, 2020, 56, 5901-5912.	4.9	58
6	A Scalable Privacy-Preserving Multi-Agent Deep Reinforcement Learning Approach for Large-Scale Peer-to-Peer Transactive Energy Trading. IEEE Transactions on Smart Grid, 2021, 12, 5185-5200.	9.0	58
7	Multi-Period and Multi-Spatial Equilibrium Analysis in Imperfect Electricity Markets: A Novel Multi-Agent Deep Reinforcement Learning Approach. IEEE Access, 2019, 7, 130515-130529.	4.2	53
8	Investigating the Ability of Demand Shifting to Mitigate Electricity Producers' Market Power. IEEE Transactions on Power Systems, 2018, 33, 3800-3811.	6.5	51
9	Computationally Efficient Pricing and Benefit Distribution Mechanisms for Incentivizing Stable Peer-to-Peer Energy Trading. IEEE Internet of Things Journal, 2021, 8, 734-749.	8.7	41
10	Cost-Effective Decarbonization in a Decentralized Market: The Benefits of Using Flexible Technologies and Resources. IEEE Power and Energy Magazine, 2019, 17, 25-36.	1.6	32
11	Incorporating Non-Convex Operating Characteristics Into Bi-Level Optimization Electricity Market Models. IEEE Transactions on Power Systems, 2020, 35, 163-176.	6.5	30
12	Real-Time Autonomous Residential Demand Response Management Based on Twin Delayed Deep Deterministic Policy Gradient Learning. Energies, 2021, 14, 531.	3.1	30
13	Multi-Agent Deep Reinforcement Learning for Coordinated Energy Trading and Flexibility Services Provision in Local Electricity Markets. IEEE Transactions on Smart Grid, 2023, 14, 1541-1554.	9.0	21
14	Factoring Flexible Demand Non-Convexities in Electricity Markets. IEEE Transactions on Power Systems, 2015, 30, 2090-2099.	6.5	19
15	An MPEC approach for analysing the impact of energy storage in imperfect electricity markets. , 2016, , .		15
16	Investigating the impacts of price-taking and price-making energy storage in electricity markets through an equilibrium programming model. IET Generation, Transmission and Distribution, 2019, 13, 305-315.	2.5	15
17	Exploring the effects of local energy markets on electricity retailers and customers. Electric Power Systems Research, 2020, 189, 106761.	3.6	14
18	Stabilizing peer-to-peer energy trading in prosumer coalition through computational efficient pricing. Electric Power Systems Research, 2020, 189, 106764.	3.6	14

#	Article	IF	Citations
19	Investigating the effects of demand flexibility on electricity retailersâ€™ business through a triâ€‑level optimisation model. IET Generation, Transmission and Distribution, 2020, 14, 1739-1750.	2.5	14
20	A novel deep-learning based surrogate modeling of stochastic electric vehicle traffic user equilibrium in low-carbon electricityâ€"transportation nexus. Applied Energy, 2022, 315, 118961.	10.1	12
21	Cause analysis and policy options for the surplus hydropower in southwest China based on quantification. Journal of Renewable and Sustainable Energy, 2018, 10, .	2.0	11
22	Distributed Consensus-Based Coordination of Flexible Demand and Energy Storage Resources. IEEE Transactions on Power Systems, 2021, 36, 3053-3069.	6.5	11
23	Unified modelling of gas and thermal inertia for integrated energy system and its application to multitype reserve procurement. Applied Energy, 2022, 305, 117963.	10.1	11
24	Strategic capacity withholding by energy storage in electricity markets. , 2017, , .		9
25	Investigating the impact of flexible demand on market-based generation investment planning. International Journal of Electrical Power and Energy Systems, 2020, 119, 105881.	5.5	8
26	Physical-data Fusion Modeling Method for Energy Consumption Analysis of Smart Building. Journal of Modern Power Systems and Clean Energy, 2022, 10, 482-491.	5.4	8
27	An Efficient LP-Based Approach for Spatial-Temporal Coordination of Electric Vehicles in Electricity-Transportation Nexus. IEEE Transactions on Power Systems, 2023, 38, 2914-2925.	6.5	8
28	A two-stage deep transfer learning for localisation of forced oscillations disturbance source. International Journal of Electrical Power and Energy Systems, 2022, 135, 107577.	5.5	6
29	Model-Free Real-Time Autonomous Energy Management for a Residential Multi-Carrier Energy System: A Deep Reinforcement Learning Approach. , 2020, , .		6
30	A combinational transfer learning framework for online transient stability prediction. Sustainable Energy, Grids and Networks, 2022, 30, 100674.	3.9	6
31	Toward Online Power System Model Identification: A Deep Reinforcement Learning Approach. IEEE Transactions on Power Systems, 2023, 38, 2580-2593.	6.5	6
32	A GAN-Based Data Injection Attack Method on Data-Driven Strategies in Power Systems. IEEE Transactions on Smart Grid, 2022, 13, 3203-3213.	9.0	5
33	Transition to Digitalized Paradigms for Security Control and Decentralized Electricity Market. Proceedings of the IEEE, 2023, 111, 744-761.	21.3	5
34	A Deep Q Network Approach for Optimizing Offering Strategies in Electricity Markets. , 2019, , .		3
35	Consensus-Based Coordination of Time-Shiftable Flexible Demand. , 2019, , .		3
36	Exploring the role of demand shifting in oligopolistic electricity markets. , 2017, , .		2

#	Article	IF	Citations
37	Impact of Energy Storage on Market-Based Generation Investment Planning. , 2019, , .		2
38	Investigating the Impact of Demand Flexibility on Electricity Retailers. , 2018, , .		1
39	Exploring the Concept of Hosting Capacity from an Electricity Market Perspective. , 2020, , 223-247.		1
40	Optimal Load Scheduling in Coupled Power and Transportation Networks. , 2021, , .		1
41	Pricing flexible demand non-convexities in electricity markets. , 2014, , .		0
42	Factoring flexible demand non-convexities in electricity markets. , 2016, , .		0
43	Incorporating Demand Flexibility in Strategic Generation Investment Planning. , 2018, , .		0
44	Role of Flexible Demand in Supporting Market-Based Integration of Renewable Generation. , 2019, , .		0
45	Dynamic Modeling of Smart Buildings Energy Consumption: A Cyber-Physical Fusion Approach. , 2021, , .		0
46	Towards Market-Based Integration of Renewable Generation in Power Grids. , 2021, , .		0
47	Security Constrained Dispatch for Renewable Proliferated Distribution Network Based on Safe Reinforcement Learning. Frontiers in Energy Research, 0, 10, .	2.3	0