Lefeng Cheng

List of Publications by Year
in descending order

24 papers	753 citations	623188 14 h-index	752256 20 g-index
29 all docs	29 docs citations	29 times ranked	570 citing authors

#	ARTICLE	IF	CITATIONS
1	A new generation of AI: A review and perspective on machine learning technologies applied to smart energy and electric power systems. International Journal of Energy Research, 2019, 43, 1928-1973.	2.2	169
2	A Modified Sparrow Search Algorithm with Application in 3d Route Planning for UAV. Sensors, 2021, 21, 1224.	2.1	138
3	Game-Theoretic Approaches Applied to Transactions in the Open and Ever-Growing Electricity Markets From the Perspective of Power Demand Response: An Overview. IEEE Access, 2019, 7, 25727-25762.	2.6	62
4	Dissolved Gas Analysis Principle-Based Intelligent Approaches to Fault Diagnosis and Decision Making for Large Oil-Immersed Power Transformers: A Survey. Energies, 2018, 11, 913.	1.6	52
5	Nash Equilibrium-Based Asymptotic Stability Analysis of Multi-Group Asymmetric Evolutionary Games in Typical Scenario of Electricity Market. IEEE Access, 2018, 6, 32064-32086.	2.6	47
6	Energy Internet Access Equipment Integrating Cyber-Physical Systems: Concepts, Key Technologies, System Development, and Application Prospects. IEEE Access, 2019, 7, 23127-23148.	2.6	46
7	Accelerating bio-inspired optimizer with transfer reinforcement learning for reactive power optimization. Knowledge-Based Systems, 2017, 116, 26-38.	4.0	45
8	Equilibrium analysis of general N-population multi-strategy games for generation-side long-term bidding: An evolutionary game perspective. Journal of Cleaner Production, 2020, 276, 124123.	4.6	35
9	Behavioral decision-making in power demand-side response management: A multi-population evolutionary game dynamics perspective. International Journal of Electrical Power and Energy Systems, 2021, 129, 106743.	3.3	26
10	Smart dispatching for energy internet with complex cyber–physical–social systems: A parallel dispatch perspective. International Journal of Energy Research, 2019, 43, 3080-3133.	2.2	19
11	Emotional Deep Learning Programming Controller for Automatic Voltage Control of Power Systems. IEEE Access, 2021, 9, 31880-31891.	2.6	19
12	2PnS-EG: A general two-population n-strategy evolutionary game for strategic long-term bidding in a deregulated market under different market clearing mechanisms. International Journal of Electrical Power and Energy Systems, 2022, 142, 108182.	3.3	18
13	Local Energy Management and Optimization: A Novel Energy Universal Service Bus System Based on Energy Internet Technologies. Energies, 2018, 11, 1160.	1.6	17
14	Exploration and Exploitation of New Knowledge Emergence to Improve the Collective Intelligent Decision-Making Level of Web-of-Cells With Cyber-Physical-Social Systems Based on Complex Network Modeling. IEEE Access, 2018, 6, 74204-74239.	2.6	16
15	Hot Spot Temperature and Grey Target Theory-Based Dynamic Modelling for Reliability Assessment of Transformer Oil-Paper Insulation Systems: A Practical Case Study. Energies, 2018, 11, 249.	1.6	16
16	Dynamics Analysis of a Wireless Rechargeable Sensor Network for Virus Mutation Spreading. Entropy, 2021, 23, 572.	1.1	7
17	Attack-Defense Game between Malicious Programs and Energy-Harvesting Wireless Sensor Networks Based on Epidemic Modeling. Complexity, 2020, 2020, 1-19.	0.9	7
18	General Three-Population Multi-Strategy Evolutionary Games for Long-Term On-Grid Bidding of Generation-Side Electricity Market. IEEE Access, 2021, 9, 5177-5198.	2.6	5

#	ARTICLE	IF	CITATIONS
19	A Path Planning Strategy with Ant Colony Algorithm for Series Connected Batteries. Electronics (Switzerland), 2020, 9, 1816.	1.8	4
20	System architecture design for coordinated-control of large-scale distributed equipment in energy universal service bus system. , 2017, , .		0
21	Design and development of a new-type terminal for smart electricity use in the energy USB system. IOP Conference Series: Earth and Environmental Science, 2017, 94, 012169.	0.2	0
22	Design of An Intelligent Split-type Electricity Utilization Measurement and Control Terminal for Local Household Energy Management and Optimization. E3S Web of Conferences, 2018, 53, 01010.	0.2	0
23	Design of An Intelligent Hierarchical System for Fingerprint Management of Electricity Loads Based on Operating Characteristics of Household Appliances. E3S Web of Conferences, 2018, 53, 04007.	0.2	0
24	Two-population Asymmetric Evolutionary Game Dynamics-based Decision-making Behavior Analysis for A Supply-side Electric Power Bidding Market. E3S Web of Conferences, 2020, 194, 03009.	0.2	0