

Junwei Cao

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

1,510
citations

394421

19
h-index

477307

29
g-index

63
all docs

63
docs citations

63
times ranked

1454
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal energy management strategies for energy Internet via deep reinforcement learning approach. Applied Energy, 2019, 239, 598-609.	10.1	225
2	Optimal Multiserver Configuration for Profit Maximization in Cloud Computing. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1087-1096.	5.6	159
3	Application of machine learning algorithms to the study of noise artifacts in gravitational-wave data. Physical Review D, 2013, 88, .	4.7	89
4	Stochastic Optimal Control for Energy Internet: A Bottom-Up Energy Management Approach. IEEE Transactions on Industrial Informatics, 2019, 15, 1788-1797.	11.3	86
5	Data-Driven Dynamical Control for Bottom-up Energy Internet System. IEEE Transactions on Sustainable Energy, 2022, 13, 315-327.	8.8	79
6	Challenges of blockchain in new generation energy systems and future outlooks. International Journal of Electrical Power and Energy Systems, 2022, 135, 107499.	5.5	72
7	Cloud computing-based forensic analysis for collaborative network security management system. Tsinghua Science and Technology, 2013, 18, 40-50.	6.1	70
8	Voltage control for uncertain stochastic nonlinear system with application to energy Internet: Non-fragile robust H ∞ approach. Journal of Mathematical Analysis and Applications, 2018, 463, 93-110.	1.0	66
9	Privacy Preserving Load Control of Residential Microgrid via Deep Reinforcement Learning. IEEE Transactions on Smart Grid, 2021, 12, 4079-4089.	9.0	53
10	RBT: A distributed reputation system for blockchain-based peer-to-peer energy trading with fairness consideration. Applied Energy, 2021, 295, 117056.	10.1	51
11	Adaptive Workflow Scheduling on Cloud Computing Platforms with Iterative Ordinal Optimization. IEEE Transactions on Cloud Computing, 2015, 3, 156-168.	4.4	46
12	Stochastic Optimal Control Scheme for Battery Lifetime Extension in Islanded Microgrid via a Novel Modeling Approach. IEEE Transactions on Smart Grid, 2019, 10, 4467-4475.	9.0	41
13	Review of distributed control and optimization in energy internet: From traditional methods to artificial intelligence-based methods. IET Cyber-Physical Systems: Theory and Applications, 2021, 6, 63-79.	3.3	34
14	Coupling fault diagnosis of wind turbine gearbox based on multitask parallel convolutional neural networks with overall information. Renewable Energy, 2021, 178, 639-650.	8.9	30
15	MobSafe: cloud computing based forensic analysis for massive mobile applications using data mining. Tsinghua Science and Technology, 2013, 18, 418-427.	6.1	29
16	Toward street vending in post COVID-19 China: Social networking services information overload and switching intention. Technology in Society, 2021, 66, 101669.	9.4	28
17	Live Streaming with Content Centric Networking. , 2012, , .		26
18	QoS-aware virtual machine scheduling for video streaming services in multi-cloud. Tsinghua Science and Technology, 2013, 18, 308-317.	6.1	25

#	ARTICLE	IF	CITATIONS
19	A Class of Control Strategies for Energy Internet Considering System Robustness and Operation Cost Optimization. <i>Energies</i> , 2018, 11, 1593.	3.1	24
20	An Open Energy Routing Network for Low-Voltage Distribution Power Grid. , 2017, , .		21
21	Reactive Power Optimization for Transient Voltage Stability in Energy Internet via Deep Reinforcement Learning Approach. <i>Energies</i> , 2019, 12, 1556.	3.1	21
22	Robust Control Method for DC Microgrids and Energy Routers to Improve Voltage Stability in Energy Internet. <i>Energies</i> , 2019, 12, 1622.	3.1	20
23	Stochastic Optimal Energy Storage Management for Energy Routers Via Compressive Sensing. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 2192-2202.	11.3	20
24	The Impact of Using mHealth Apps on Improving Public Health Satisfaction during the COVID-19 Pandemic: A Digital Content Value Chain Perspective. <i>Healthcare (Switzerland)</i> , 2022, 10, 479.	2.0	20
25	A class of optimal and robust controller design for islanded microgrid. , 2017, , .		17
26	Robust Mixed H_2/H_∞ Controller Design for Energy Routers in Energy Internet. <i>Energies</i> , 2019, 12, 340.	3.1	14
27	TIFAflow: enhancing traffic archiving system with flow granularity for forensic analysis in network security. <i>Tsinghua Science and Technology</i> , 2013, 18, 406-417.	6.1	12
28	Deep Learning-Based Distributed Optimal Control for Wide Area Energy Internet. , 2018, , .		11
29	Short-Term Energy Cache Regulation for Energy Router: A Robust H_∞ Approach. , 2019, , .		10
30	Coordinated Frequency Control for Multiple Microgrids in Energy Internet: A Stochastic H_∞ Approach. , 2018, , .		9
31	Delay Analysis for End-to-End Synchronous Communication in Monitoring Systems. <i>Sensors</i> , 2018, 18, 3615.	3.8	8
32	Optimal Electricity Trading Strategy for a Household Microgrid. , 2020, , .		8
33	Customized Virtual Machines for Software Provisioning in Scientific Clouds. , 2011, , .		7
34	SPLWAH: A bitmap index compression scheme for searching in archival Internet traffic. , 2015, , .		7
35	Short Term Load Forecasting Based on IGSA-ELM Algorithm. , 2017, , .		7
36	Towards Intelligent Energy Control and Optimization in Energy Internet: A Review. , 2019, , .		7

#	ARTICLE	IF	CITATIONS
37	Distributed Power Dispatching Solution for A Future Economic and Environment-friendly Energy Internet. , 2020, , .		5
38	COST ESTIMATION OF ADVANCE RESERVATIONS OVER QUEUED JOBS: A QUANTITATIVE STUDY. International Journal of Modeling, Simulation, and Scientific Computing, 2010, 01, 317-332.	1.4	4
39	CAMP: A New Bitmap Index for Data Retrieval in Traffic Archival. IEEE Communications Letters, 2016, 20, 1128-1131.	4.1	4
40	Electrical Load Prediction in Energy Internet via Linear Correlation Coefficient Approach. , 2018, , .		4
41	A Smart Contract-based Energy Trading Strategy in Energy Internet. , 2019, , .		4
42	Joint Optimization of Energy Storage Sharing and Demand Response in Microgrid Considering Multiple Uncertainties. Energies, 2022, 15, 3067.	3.1	4
43	Data Cleaning for Power Quality Monitoring. , 2013, , .		3
44	A Class of Optimal and Robust Controller Design for Energy Routers in Energy Internet. , 2018, , .		3
45	Data Quality Analysis Framework and Evaluation Methods for Power System Operation with High Proportion of Renewable Energy Penetration. , 2020, , .		3
46	Robust Frequency Control for Renewable Energy Powered Edge Computing System. , 2021, , .		3
47	Committee-based evaluation and selection of Grid resources for QoS improvement. , 2009, , .		2
48	Large-scale Real-time Data-driven Scientific Applications. , 2011, , .		2
49	REAL-TIME GRAVITATIONAL-WAVE BURST SEARCH FOR MULTI-MESSENGER ASTRONOMY. International Journal of Modern Physics D, 2011, 20, 2039-2042.	2.1	2
50	Design and Application of Standardized Power and Communication Module for Energy Router. , 2018, , .		2
51	Stochastic Optimal and Robust Control Scheme for Islanded AC Microgrid. , 2018, , .		2
52	Hybrid Computing Hierarchy Based on-Line Analysis Service for Power Dispatching and Control System. , 2019, , .		2
53	Stochastic Distributed Control for Frequency Regulation in Energy Internet: An ADMM Approach. , 2019, , .		2
54	Noise Level Estimation in Energy Internet Based on Artificial Neural Network. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
55	Robust Controller Design for Energy Router in Energy Internet via Mixed H_2/H_∞ Control Technique. , 2018, , .		1
56	Reactive Power Optimization for Voltage Stability in Energy Internet Based on Graph Convolutional Networks and Deep Q-learning. , 2021, , .		1
57	Cloud-Edge Collaborative Optimization for Information Layer of Energy Internet. , 2020, , .		1
58	Probabilistic Power Flow Calculation of Microgrid Based on L_1 -Minimization. , 2021, , .		1
59	State Estimation of Energy Internet Using SCADA and PMU Data Based on Graph Convolutional Networks. , 2021, , .		1
60	Enabling Distributed Computing Systems with ElopTM. , 2012, , .		0
61	Node Placement Analysis for Overlay Networks in IoT Applications. International Journal of Distributed Sensor Networks, 2014, 10, 427496.	2.2	0
62	Does Explicit Prediction Matter in Deep Reinforcement Learning-Based Energy Management?. , 2021, , .		0
63	Reply to Giansanti et al. The Accessibility and the Digital Divide in the Apps during the COVID-19. Comment on Cao et al. The Impact of Using mHealth Apps on Improving Public Health Satisfaction during the COVID-19 Pandemic: A Digital Content Value Chain Perspective. Healthcare 2022, 10, 479. Healthcare (Switzerland), 2022, 10, 1259.	2.0	0