

Junwei Cao

List of Publications by Year in descending order

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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	Stochastic Optimal Energy Storage Management for Energy Routers Via Compressive Sensing. IEEE Transactions on Industrial Informatics, 2022, 18, 2192-2202.	11.3	20
2	Data-Driven Dynamical Control for Bottom-up Energy Internet System. IEEE Transactions on Sustainable Energy, 2022, 13, 315-327.	8.8	79
3	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
4	The Impact of Using mHealth Apps on Improving Public Health Satisfaction during the COVID-19 Pandemic: A Digital Content Value Chain Perspective. Healthcare (Switzerland), 2022, 10, 479.	2.0	20
5	Joint Optimization of Energy Storage Sharing and Demand Response in Microgrid Considering Multiple Uncertainties. Energies, 2022, 15, 3067.	3.1	4
6	Reply to Giansanti et al. The Accessibility and the Digital Divide in the Apps during the COVID-19. Comment on Junwei 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
7	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
8	Reactive Power Optimization for Voltage Stability in Energy Internet Based on Graph Convolutional Networks and Deep Q-learning. , 2021, , .		1
9	RBT: A distributed reputation system for blockchain-based peer-to-peer energy trading with fairness consideration. Applied Energy, 2021, 295, 117056.	10.1	51
10	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
11	Privacy Preserving Load Control of Residential Microgrid via Deep Reinforcement Learning. IEEE Transactions on Smart Grid, 2021, 12, 4079-4089.	9.0	53
12	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
13	Robust Frequency Control for Renewable Energy Powered Edge Computing System. , 2021, , .		3
14	Probabilistic Power Flow Calculation of Microgrid Based on l_1 -Minimization. , 2021, , .		1
15	Does Explicit Prediction Matter in Deep Reinforcement Learning-Based Energy Management?. , 2021, , .		0
16	State Estimation of Energy Internet Using SCADA and PMU Data Based on Graph Convolutional Networks. , 2021, , .		1
17	Optimal Electricity Trading Strategy for a Household Microgrid. , 2020, , .		8
18	Data Quality Analysis Framework and Evaluation Methods for Power System Operation with High Proportion of Renewable Energy Penetration. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
19	Noise Level Estimation in Energy Internet Based on Artificial Neural Network. , 2020, , .		2
20	Cloud-Edge Collaborative Optimization for Information Layer of Energy Internet. , 2020, , .		1
21	Distributed Power Dispatching Solution for A Future Economic and Environment-friendly Energy Internet. , 2020, , .		5
22	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
23	Towards Intelligent Energy Control and Optimization in Energy Internet: A Review. , 2019, , .		7
24	A Smart Contract-based Energy Trading Strategy in Energy Internet. , 2019, , .		4
25	Hybrid Computing Hierarchy Based on-Line Analysis Service for Power Dispatching and Control System. , 2019, , .		2
26	Short-Term Energy Cache Regulation for Energy Router: A Robust H-Infinity Approach. , 2019, , .		10
27	Optimal energy management strategies for energy Internet via deep reinforcement learning approach. Applied Energy, 2019, 239, 598-609.	10.1	225
28	Robust Control Method for DC Microgrids and Energy Routers to Improve Voltage Stability in Energy Internet. Energies, 2019, 12, 1622.	3.1	20
29	Reactive Power Optimization for Transient Voltage Stability in Energy Internet via Deep Reinforcement Learning Approach. Energies, 2019, 12, 1556.	3.1	21
30	Robust Mixed H2/H ∞ Controller Design for Energy Routers in Energy Internet. Energies, 2019, 12, 340.	3.1	14
31	Stochastic Distributed Control for Frequency Regulation in Energy Internet: An ADMM Approach. , 2019, , .		2
32	Stochastic Optimal Control for Energy Internet: A Bottom-Up Energy Management Approach. IEEE Transactions on Industrial Informatics, 2019, 15, 1788-1797.	11.3	86
33	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
34	Delay Analysis for End-to-End Synchronous Communication in Monitoring Systems. Sensors, 2018, 18, 3615.	3.8	8
35	Robust Controller Design for Energy Router in Energy Internet via Mixed $\mathcal{H}_2/\mathcal{H}_\infty$ Control Technique. , 2018, , .		1
36	A Class of Optimal and Robust Controller Design for Energy Routers in Energy Internet. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
37	Coordinated Frequency Control for Multiple Microgrids in Energy Internet: A Stochastic H _∞ Approach. , 2018, , .		9
38	Design and Application of Standardized Power and Communication Module for Energy Router. , 2018, , .		2
39	A Class of Control Strategies for Energy Internet Considering System Robustness and Operation Cost Optimization. Energies, 2018, 11, 1593.	3.1	24
40	Deep Learning-Based Distributed Optimal Control for Wide Area Energy Internet. , 2018, , .		11
41	Electrical Load Prediction in Energy Internet via Linear Correlation Coefficient Approach. , 2018, , .		4
42	Stochastic Optimal and Robust Control Scheme for Islanded AC Microgrid. , 2018, , .		2
43	An Open Energy Routing Network for Low-Voltage Distribution Power Grid. , 2017, , .		21
44	Short Term Load Forecasting Based on IGSA-ELM Algorithm. , 2017, , .		7
45	A class of optimal and robust controller design for islanded microgrid. , 2017, , .		17
46	CAMP: A New Bitmap Index for Data Retrieval in Traffic Archival. IEEE Communications Letters, 2016, 20, 1128-1131.	4.1	4
47	SPLWAH: A bitmap index compression scheme for searching in archival Internet traffic. , 2015, , .		7
48	Adaptive Workflow Scheduling on Cloud Computing Platforms with Iterative Ordinal Optimization. IEEE Transactions on Cloud Computing, 2015, 3, 156-168.	4.4	46
49	Node Placement Analysis for Overlay Networks in IoT Applications. International Journal of Distributed Sensor Networks, 2014, 10, 427496.	2.2	0
50	Optimal Multiserver Configuration for Profit Maximization in Cloud Computing. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1087-1096.	5.6	159
51	TIFAflow: enhancing traffic archiving system with flow granularity for forensic analysis in network security. Tsinghua Science and Technology, 2013, 18, 406-417.	6.1	12
52	MobSafe: cloud computing based forensic analysis for massive mobile applications using data mining. Tsinghua Science and Technology, 2013, 18, 418-427.	6.1	29
53	Cloud computing-based forensic analysis for collaborative network security management system. Tsinghua Science and Technology, 2013, 18, 40-50.	6.1	70
54	Data Cleaning for Power Quality Monitoring. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
55	QoS-aware virtual machine scheduling for video streaming services in multi-cloud. Tsinghua Science and Technology, 2013, 18, 308-317.	6.1	25
56	Application of machine learning algorithms to the study of noise artifacts in gravitational-wave data. Physical Review D, 2013, 88, .	4.7	89
57	Enabling Distributed Computing Systems with ElopTM. , 2012, , .		0
58	Live Streaming with Content Centric Networking. , 2012, , .		26
59	Large-scale Real-time Data-driven Scientific Applications. , 2011, , .		2
60	Customized Virtual Machines for Software Provisioning in Scientific Clouds. , 2011, , .		7
61	REAL-TIME GRAVITATIONAL-WAVE BURST SEARCH FOR MULTI-MESSENGER ASTRONOMY. International Journal of Modern Physics D, 2011, 20, 2039-2042.	2.1	2
62	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
63	Committee-based evaluation and selection of Grid resources for QoS improvement. , 2009, , .		2