Yuemin Ding

List of Publications by Year
in descending order

52 papers	888 citations	686830 13 h-index	580395 25 g-index
52 all docs	52 docs citations	52 times ranked	864 citing authors

#	ARTICLE	IF	CITATIONS
1	A Demand Response Energy Management Scheme for Industrial Facilities in Smart Grid. IEEE Transactions on Industrial Informatics, 2014, 10, 2257-2269.	7.2	162
2	Blockchain-based decentralized and secure keyless signature scheme for smart grid. Energy, 2019, 180, 955-967.	4.5	97
3	An Incentive-Based Demand Response (DR) Model Considering Composited DR Resources. IEEE Transactions on Industrial Electronics, 2019, 66, 1488-1498.	5.2	95
4	Multi-agent deep reinforcement learning based demand response for discrete manufacturing systems energy management. Applied Energy, 2020, 276, 115473.	5.1	79
5	A data mining-driven incentive-based demand response scheme for a virtual power plant. Applied Energy, 2019, 239, 549-559.	5.1	67
6	Energy, economic, and environmental analysis of integration of thermal energy storage into district heating systems using waste heat from data centres. Energy, 2021, 219, 119582.	4.5	49
7	Demand Response Management for Industrial Facilities: A Deep Reinforcement Learning Approach. IEEE Access, 2019, 7, 82194-82205.	2.6	46
8	Data-driven real-time price-based demand response for industrial facilities energy management. Applied Energy, 2021, 283, 116291.	5.1	37
9	CFP scheduling for real-time service and energy efficiency in the industrial applications of IEEE 802.15.4. Journal of Communications and Networks, 2013, 15, 87-101.	1.8	29
10	ChainFL: A Simulation Platform for Joint Federated Learning and Blockchain in Edge/Cloud Computing Environments. IEEE Transactions on Industrial Informatics, 2022, 18, 3572-3581.	7.2	24
11	A hybrid deep learning-based online energy management scheme for industrial microgrid. Applied Energy, 2021, 304, 117857.	5.1	23
12	An improved DV-hop localization algorithm for wireless sensor networks. , 2018, , .		22
13	Generating Scale-Free Topology for Wireless Neighborhood Area Networks in Smart Grid. IEEE Transactions on Smart Grid, 2019, 10, 4245-4252.	6.2	22
14	Constrained Broadcast With Minimized Latency in Neighborhood Area Networks of Smart Grid. IEEE Transactions on Industrial Informatics, 2020, 16, 309-318.	7.2	15
15	A 300â€mA load CMOS lowâ€dropout regulator without an external capacitor for SoC and embedded applications. International Journal of Circuit Theory and Applications, 2017, 45, 2281-2289.	1.3	13
16	Reward Shaping-Based Actorâ€"Critic Deep Reinforcement Learning for Residential Energy Management. IEEE Transactions on Industrial Informatics, 2023, 19, 2662-2673.	7.2	13
17	Experimental investigation of the packet loss rate of wireless industrial networks in real industrial environments. , 2015, , .		10
18	A model of demand response energy management system in industrial facilities. , 2013, , .		9

#	Article	IF	Citations
19	Enhanced Key Management Protocols for Wireless Sensor Networks. Mobile Information Systems, 2015, 2015, 1-10.	0.4	8
20	A hardware-in-the-loop simulator for demand response energy management in industrial facilities. , 2015, , .		7
21	A 1500 mA load current LDO with wide power supply range in lithium-ion battery. , 2018, , .		7
22	WiFi-Based Indoor Positioning by Random Forest and Adjusted Cosine Similarity. , 2020, , .		7
23	A Container-Driven Service Architecture to Minimize the Upgrading Requirements of User-Side Smart Meters in Distribution Grids. IEEE Transactions on Industrial Informatics, 2022, 18, 719-728.	7.2	7
24	Computationally efficient sandbox algorithm for multifractal analysis of large-scale complex networks with tens of millions of nodes. Physical Review E, 2021, 103, 043303.	0.8	7
25	Implementation of a Production-Control System Using Integrated Automation ML and OPC UA. , 2018, , .		6
26	An improved PSO algorithm for node localization in indoor long-narrow confined space. , 2018, , .		5
27	A Low-Noise, Low-Power, and Chopper-Stabilized, Current-Feedback Instrumentation Amplifier for Current Sensing Application. , 2019, , .		4
28	A Two-Module Linear Regulator with 3.9â€"10 V Input, 2.5 V Output, and 500 mA Load. Electronics (Switzerland), 2019, 8, 1143.	1.8	4
29	0.55â€"1.8 V, 7.5ÂnW, 225.5ÂmV, CMOSâ€only subthreshold voltage reference. Electronics Letters, 2019, 55, 306-308.	0.5	3
30	DHW tank sizing considering dynamic energy prices. E3S Web of Conferences, 2021, 246, 07005.	0.2	2
31	Research on the Influence of Sensor Network Communication in the Electromagnetic Environment of Smart Grid. Journal of Electrical and Computer Engineering, 2016, 2016, 1-12.	0.6	1
32	Upper-Middleware Development of Smart Energy Profile 2.0 for Demand-Side Communications in Smart Grid. , 2018, , .		1
33	Research on Security Testing and Simulation Platform of Smart Grid Substation System. , 2019, , .		1
34	A Lightweight Fingerprint-based Device Authentication Architecture for Wireless Industrial Automation Networks. , 2019, , .		1
35	A Novel Low-Noise Bandgap Reference with an Active RC Filter. , 2019, , .		1
36	A â€"4â€"4 V Input Common-Mode Range Bidirectional Current Shunt Monitor. Journal of Circuits, Systems and Computers, 2020, 29, 2050221.	1.0	1

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37	Techno-economic analysis of implementing thermal storage for peak load shaving in a campus district heating system with waste heat from the data centre. E3S Web of Conferences, 2021, 246, 09003.	0.2	1
38	Burst Traffic Awareness WRR Scheduling Algorithm in Wide Area Network for Smart Grid. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 117-128.	0.2	1
39	A Priority Load-Aware Weighted Round Robin Scheduling Algorithm for Data Transmission. , 2021, , .		1
40	A comparative study of the link-state-aware routing in typical wireless sensor network models for home automation. , 2017, , .		0
41	A 7.4 Î¼W Temperature Detecting Circuit for Battery Monitoring System. , 2018, , .		0
42	A Comparative Study of Multicast Routing under DR Constraint for Smart Grids. , 2018, , .		0
43	Improved Multitarget Tracking in Clutter Using Bearings-Only Measurements. Sensors, 2018, 18, 1772.	2.1	0
44	A transfomer-based converter with a negative feedback regulation for energy harvesting. , 2018, , .		0
45	An Ultra-Low Noise Capacitive Readout Circuit for Gyroscopes. , 2019, , .		0
46	A Comparative Study of Multicast Routing minimizing bandwidth under delay constraint for Smart Grids Communication. , 2020, , .		0
47	Demand response capacity constrained optimisation of multicast routing in smart grid. International Journal of Wireless and Mobile Computing, 2020, 19, 33.	0.1	0
48	Data-driven analysis of electricity use for office buildings: a Norwegian case study. E3S Web of Conferences, 2021, 246, 04005.	0.2	0
49	Residential energy demand response management algorithm considering consumer usage patterns. , 2021, , .		0
50	A Crowdsourcing-based Localization Scheme with Ultra-Wideband Communication. , 2020, , .		0
51	A Comparative Study of Energy-Aware Routing of Wireless IoT for Intelligent Gas Metering. , 2020, , .		0
52	Low-Latency Multicast and Broadcast Technologies for Real-Time Applications in Smart Grid. , 2022, , 1-32.		0