

Queuing-Based Energy Consumption Management for in Smart Grid

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#	ARTICLE	IF	CITATIONS
1	A canonical coalitional game theoretic approach for energy management for nanogrids. , 2015, , .		14
2	Renewable energy distribution in cooperative cellular networks with energy harvesting. , 2015, , .		13
3	A matching-game-based energy trading for small cell networks with energy harvesting. , 2015, , .		8
4	Demand Response Management for Residential Smart Grid: From Theory to Practice. IEEE Access, 2015, 3, 2431-2440.	2.6	81
5	Smart grid. , 2016, , .		1
6	Managing energy consumption in buildings through offline and online control of HVAC systems. , 2016, , .		7
7	Energy management by controlling air conditioning systems in residential settings. , 2016, , .		4
8	Incentive-Driven Energy Trading in the Smart Grid. IEEE Access, 2016, 4, 1243-1257.	2.6	71
9	Energy Storage Sharing in Smart Grid: A Modified Auction-Based Approach. IEEE Transactions on Smart Grid, 2016, 7, 1462-1475.	6.2	268
10	Balancing Power Demand Through EV Mobility in Vehicle-to-Grid Mobile Energy Networks. IEEE Transactions on Industrial Informatics, 2016, 12, 79-90.	7.2	145
11	Dynamic Spectrum Utilization with Secure Sensing in E-Healthcare System. Wireless Personal Communications, 2017, 95, 2285-2298.	1.8	0
12	Real time optimal schedule controller for home energy management system using new binary backtracking search algorithm. Energy and Buildings, 2017, 138, 215-227.	3.1	156
13	A multilayer FOCUSS approach for sparse representation. Cluster Computing, 2017, 20, 1325-1332.	3.5	1
14	Achieving Privacy Protection Using Distributed Load Scheduling: A Randomized Approach. IEEE Transactions on Smart Grid, 2017, 8, 2460-2473.	6.2	35
15	Comparative analysis of energy trading priorities based on open transactive energy markets in residential microgrids. , 2017, , .		15
16	Autonomous Hybrid Priority Queueing for Scheduling Residential Energy Demands. IOP Conference Series: Materials Science and Engineering, 2017, 199, 012110.	0.3	0
17	A Hybrid Genetic Wind Driven Heuristic Optimization Algorithm for Demand Side Management in Smart Grid. Energies, 2017, 10, 319.	1.6	137
18	Towards Cost and Comfort Based Hybrid Optimization for Residential Load Scheduling in a Smart Grid. Energies, 2017, 10, 1546.	1.6	58

#	ARTICLE	IF	CITATIONS
19	An Efficient Data Characterization and Reduction Scheme for Smart Metering Infrastructure. IEEE Transactions on Industrial Informatics, 2018, 14, 4300-4308.	7.2	33
20	Fine-Grained Energy Consumption Model of Servers Based on Task Characteristics in Cloud Data Center. IEEE Access, 2018, 6, 27080-27090.	2.6	46
21	Multiobjective Optimization for Demand Side Management Program in Smart Grid. IEEE Transactions on Industrial Informatics, 2018, 14, 1482-1490.	7.2	100
22	Auction Mechanisms for Energy Trading in Multi-Energy Systems. IEEE Transactions on Industrial Informatics, 2018, 14, 1511-1521.	7.2	82
23	Wide and Deep Convolutional Neural Networks for Electricity-Theft Detection to Secure Smart Grids. IEEE Transactions on Industrial Informatics, 2018, 14, 1606-1615.	7.2	449
24	Review on Home Energy Management System Considering Demand Responses, Smart Technologies, and Intelligent Controllers. IEEE Access, 2018, 6, 24498-24509.	2.6	291
25	Demand side management for residential areas using hybrid bacterial foraging and bat optimization algorithm: Demand side management using hybrid bacterial foraging and bat optimization algorithm. , 2018, , .		2
26	Three-level performance optimization for heterogeneous systems based on software prefetching under power constraints. Future Generation Computer Systems, 2018, 86, 51-58.	4.9	7
27	Improving the Operation of Solar Water Heating Systems in Green Buildings via Optimized Control Strategies. IEEE Transactions on Industrial Informatics, 2018, 14, 1646-1655.	7.2	36
30	Energy Optimization in Smart Grid Using Grey Wolf Optimization Algorithm and Bacterial Foraging Algorithm. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 166-177.	0.5	6
32	An Intelligent Smart Plug with Shared Knowledge Capabilities. Sensors, 2018, 18, 3961.	2.1	30
33	Online Energy Management and Heterogeneous Task Scheduling for Smart Communities with Residential Cogeneration and Renewable Energy. Energies, 2018, 11, 2104.	1.6	8
35	Efficient Energy Management Techniques in Emerging Smart Grid Environment. , 2018, , .		1
36	Continuous-time Model Predictive Control for Real-time Flexibility Scheduling of Plugin Electric Vehicles. IFAC-PapersOnLine, 2018, 51, 498-503.	0.5	25
37	Game Theoretical Demand Response Management and Short-Term Load Forecasting by Knowledge Based Systems on the basis of Priority Index. Electronics (Switzerland), 2018, 7, 431.	1.8	11
38	Online Energy Management for Smart Communities with Heterogeneous Demands. , 2018, , .		1
39	Scheduling and Pricing of Load Flexibility in Power Systems. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 645-656.	7.3	28
40	Bio-Inspired Optimization Techniques for Home Energy Management in Smart Grid. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
41	A Potential Solution for Intelligent Energy Management - Knowledge Graph. , 2018, , .		5
42	Harmony Pigeon Inspired Optimization for Appliance Scheduling in Smart Grid. , 2018, , .		0
43	Time and device based priority induced comfort management in smart home within the consumer budget limitation. Sustainable Cities and Society, 2018, 41, 538-555.	5.1	52
44	An Energy Efficient Scheduling of a Smart Home Based on Optimization Techniques. Advances in Intelligent Systems and Computing, 2019, , 3-14.	0.5	5
45	Efficient Task Offloading and Resource Allocation for Edge Computing-Based Smart Grid Networks. , 2019, , .		11
46	Stabilizing Super Smart Grids Using V2G: A Probabilistic Analysis. , 2019, , .		9
47	Analysis of Energy Consumption Model in Cloud Computing Environments. Green Energy and Technology, 2019, , 195-215.	0.4	2
48	An Innovative Home Energy Management Model with Coordination among Appliances using Game Theory. Sustainability, 2019, 11, 6287.	1.6	28
49	Energy Resources Management Enabled by Internet of Things Devices. , 2019, , .		1
50	Electricity Price-Based Microgrid Energy Management System in Grid-Connected Mode. , 2019, , .		0
51	Cognitive Smart Plugs for Signature Identification of Residential Home Appliance Load using Machine Learning: From Theory to Practice. , 2019, , .		4
52	Multi-energy Demand Response Management in Energy Internet: A Stackelberg Game Approach. Chinese Journal of Electronics, 2019, 28, 640-644.	0.7	7
53	Smart energy coordination of autonomous residential home. IET Smart Grid, 2019, 2, 336-346.	1.5	33
54	A Residential House Comparative Case Study Using Market Available Smart Plugs and EnAPlugs with Shared Knowledge. Energies, 2019, 12, 1647.	1.6	3
55	Topology-Aware Vehicle-to-Grid Energy Trading for Active Distribution Systems. IEEE Transactions on Smart Grid, 2019, 10, 2137-2147.	6.2	64
56	Priority-Based Residential Energy Management With Collaborative Edge and Cloud Computing. IEEE Transactions on Industrial Informatics, 2020, 16, 1848-1857.	7.2	32
57	Smart grid security enhancement by detection and classification of <sc>non-technical</sc> losses employing deep learning algorithm. International Transactions on Electrical Energy Systems, 2020, 30, e12521.	1.2	12
58	A Novel Smart Energy Management as a Service over a Cloud Computing Platform for Nanogrid Appliances. Sustainability, 2020, 12, 9686.	1.6	28

#	ARTICLE	IF	CITATIONS
59	Towards Energy Efficient Smart Grids Using Bio-Inspired Scheduling Techniques. IEEE Access, 2020, 8, 158947-158960.	2.6	18
60	Adaptive algorithm for optimal real-time pricing in cognitive radio enabled smart grid network. ETRI Journal, 2020, 42, 585-595.	1.2	9
61	Home Energy Management System Concepts, Configurations, and Technologies for the Smart Grid. IEEE Access, 2020, 8, 119271-119286.	2.6	92
62	RJCC: Reinforcement-Learning-Based Joint Communicational-and-Computational Resource Allocation Mechanism for Smart City IoT. IEEE Internet of Things Journal, 2020, 7, 8059-8076.	5.5	22
63	A Multi-Objective Approach for Optimal Energy Management in Smart Home Using the Reinforcement Learning. Sensors, 2020, 20, 3450.	2.1	15
64	Demand side management through load shifting in IoT based HEMS: Overview, challenges and opportunities. Sustainable Cities and Society, 2021, 65, 102517.	5.1	63
65	Optimal appliance management system with renewable energy integration for smart homes. , 2021, , 533-552.		4
66	Deep reinforcement learning based home energy management system with devices operational dependencies. International Journal of Machine Learning and Cybernetics, 2021, 12, 1687-1703.	2.3	13
67	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.	1.9	34
68	Graph-Based Time Series Edge Anomaly Detection in Smart Grid. , 2021, , .		7
69	Developing a Distributed Robust Energy Management Framework for Active Distribution Systems. IEEE Transactions on Sustainable Energy, 2021, 12, 1891-1902.	5.9	34
70	Recent Development, Trends and Challenges in IoT Security. Lecture Notes in Computer Science, 2021, , 633-646.	1.0	2
71	Home Energy Management Using HSA, FA, BFOA Algorithms in Smart Grids. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 257-269.	0.5	1
72	Pigeon Inspired Optimization and Enhanced Differential Evolution Using Time of Use Tariff in Smart Grid. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 563-575.	0.5	4
73	Earth Worm Optimization for Home Energy Management System in Smart Grid. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 583-596.	0.5	3
74	A Cyber-Physical Residential Energy Management System via Virtualized Packets. Energies, 2020, 13, 699.	1.6	9
75	Demand Management for Optimized Energy Usage and Consumer Comfort Using Sequential Optimization. Sensors, 2021, 21, 130.	2.1	8
76	Meta-Heuristic and Nature Inspired Approaches for Home Energy Management. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 231-244.	0.5	1

#	ARTICLE	IF	CITATIONS
77	Home Energy Management Using Social Spider and Bacterial Foraging Algorithm. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 26-36.	0.5	0
79	Fair Allocation Based Soft Load Shedding. Advances in Intelligent Systems and Computing, 2021, , 407-424.	0.5	4
80	Enabling Technologies for Smart Energy Management in a Residential Sector: A Review. Lecture Notes in Civil Engineering, 2020, , 9-21.	0.3	0
81	Accurate Detection of Electricity Theft Using Classification Algorithms and Internet of Things in Smart Grid. Arabian Journal for Science and Engineering, 0, , 1.	1.7	4
82	Time Series Anomaly Detection Based on Graph Convolutional Networks. , 2020, , .		0
83	Modeling Residential Electricity Consumption from Public Demographic Data for Sustainable Cities. Energies, 2022, 15, 2163.	1.6	11
84	Analysis of energy management schemes for renewable-energy-based smart homes against the backdrop of COVID-19. Sustainable Energy Technologies and Assessments, 2022, 52, 102136.	1.7	10
85	Home Energy Management Systems: Operation and Resilience of Heuristics Against Cyberattacks. IEEE Systems, Man, and Cybernetics Magazine, 2022, 8, 21-30.	1.2	4
86	Development of Vehicle-to-Grid System to Regulate the System Parameters of Microgrid. Energy Engineering: Journal of the Association of Energy Engineers, 2022, 119, 1261-1298.	0.3	2
87	Research on cloud side collaboration under Internet of vehicles. , 2022, , .		0
88	A novel technique for detecting electricity theft in secure smart grids using CNN and XG-boost. Intelligent Systems With Applications, 2023, 17, 200168.	1.9	2
89	An Analysis of Energy Consumption in Small- and Medium-Sized Buildings. Energies, 2023, 16, 1536.	1.6	4
90	Analyzing the Network System Performance Based on the Queuing Theory Concept. , 2022, , .		0
91	A comprehensive overview on demand side energy management towards smart grids: challenges, solutions, and future direction. Energy Informatics, 2023, 6, .	1.4	15
96	A Voltage Inference Framework for Real-Time Observability in Active Distribution Grids. , 2023, , .		0
99	Energy-Efficient Task Offloading for Edge Computing-Based Smart Grid Networks Using Human Urbanization. , 2023, , .		0