Teja Kuruganti

List of Publications by Year
in descending order

38 papers	363 citations	1163117 8 h-index	888059 17 g-index
48 all docs	48 docs citations	48 times ranked	311 citing authors

#	Article	IF	Citations
1	A System of Agents for Supporting Optimization and Control of a Connected Community. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2022, 3, 57-68.	3.9	3
2	Optimal Demand Response Incorporating Distribution LMP With PV Generation Uncertainty. IEEE Transactions on Power Systems, 2022, 37, 982-995.	6.5	15
3	Robust hierarchical dispatch for residential distribution network management considering home thermal flexibility and model predictive control. IET Generation, Transmission and Distribution, 2021, 15, 2567-2581.	2.5	8
4	Dataset of low global warming potential refrigerant refrigeration system for fault detection and diagnostics. Scientific Data, 2021, 8, 144.	5.3	8
5	A data‐driven network optimisation approach to coordinated control of distributed photovoltaic systems and smart buildings in distribution systems. IET Energy Systems Integration, 2021, 3, 285-294.	1.8	3
6	Inertia Emulation Control using Demand Response via 5G Communications. , 2021, , .		1
7	Resilience-Oriented DG Siting and Sizing Considering Stochastic Scenario Reduction. IEEE Transactions on Power Systems, 2021, 36, 3715-3727.	6.5	30
8	Tri-Level Scheduling Model Considering Residential Demand Flexibility of Aggregated HVACs and EVs Under Distribution LMP. IEEE Transactions on Smart Grid, 2021, 12, 3990-4002.	9.0	47
9	A new methodological framework for hazard detection models in health information technology systems. Journal of Biomedical Informatics, 2021, 124, 103937.	4.3	2
10	The role of humidity in determining future electricity demand in the southeastern United States. Environmental Research Letters, 2021, 16, 114017.	5.2	6
11	Deep Reinforcement Learning for Autonomous Water Heater Control. Buildings, 2021, 11, 548.	3.1	14
12	Evaluating the Adaptability of Reinforcement Learning Based HVAC Control for Residential Houses. Sustainability, 2020, 12, 7727.	3.2	22
13	Frequency Analysis of Solar PV Power to Enable Optimal Building Load Control. Energies, 2020, 13, 4593.	3.1	1
14	Power Grid Simulation Testbed for Transactive Energy Management Systems. Sustainability, 2020, 12, 4402.	3.2	5
15	A Model-Free Frequency Control Approach for Diesel-Wind Powered Microgrids. , 2020, , .		2
16	Feature Engineering and Process Mining to Enable Hazard Detection in Health Information Technology. AMIA Summits on Translational Science Proceedings, 2020, 2020, 469-476.	0.4	0
17	Real-Time Automated Hazard Detection Framework for Health Information Technology Systems. Health Systems, 2019, 8, 190-202.	1.2	7
18	Direct-Write Printed Current Sensor for Load Monitoring Applications. , 2019, , .		0

#	Article	IF	Citations
19	Use of Thermistor Temperature Sensors for Cyber-Physical System Security. Sensors, 2019, 19, 3905.	3.8	19
20	Stability analysis of model-free control under constrained inputs for control of building HVAC systems. , 2019, , .		3
21	Topic Modeling to Discern Irregular Order Patterns in Unlabeled Electronic Health Records. , 2019, , .		3
22	Nuclear-Norm-Based Subspace Identification of Multi-Zone Building HVAC System. , 2019, , .		1
23	Occupancy-Based HVAC Control with Short-Term Occupancy Prediction Algorithms for Energy-Efficient Buildings. Energies, 2018, 11, 2427.	3.1	55
24	Distribution Voltage Control: Current Status and Future Trends. , 2018, , .		8
25	Coordination and Control of Building HVAC Systems to Provide Frequency Regulation to the Electric Grid. Energies, 2018, 11, 1852.	3.1	34
26	Model-free Control of Building HVAC Systems to Accommodate Solar photovoltaicEnergy. , 2018, , .		5
27	Model Predictive Control of Building On/Off HVAC Systems to Compensate Fluctuations in Solar Power Generation. , 2018, , .		13
28	Gold Code-Phase-Shift Keying: A Power and Bandwidth Efficient Communication scheme for Smart Buildings. , 2018, , .		4
29	Pathloss Calculation Using the Transmission Line Matrix and Finite Difference Time Domain Methods With Coarse Grids. IEEE Transactions on Antennas and Propagation, 2017, 65, 2032-2040.	5.1	1
30	SMAC: A Soft MAC to Reduce Control Overhead and Latency in CDMA-Based AMI Networks. IEEE/ACM Transactions on Networking, 2016, 24, 2648-2662.	3.8	4
31	Pulse Thermal Processing for Low Thermal Budget Integration of IGZO Thin Film Transistors. IEEE Journal of the Electron Devices Society, 2015, 3, 297-301.	2.1	9
32	Cost-effective retrofit technology for reducing peak power demand in small and medium commercial buildings. Science and Technology for the Built Environment, 2015, 21, 761-772.	1.7	5
33	OTRA-THS MAC to reduce Power Outage Data Collection Latency in a smart meter network. , 2014, , .		3
34	Performance study of hybrid DS/FFH spread-spectrum systems in the presence of frequency-selective fading and multiple-access interference. , 2012, , .		2
35	Event-based transmission line matrix method for simulating site-specific multipath propagation characteristics. , 2012, , .		0
36	Determining system parameters for optimal performance of hybrid DS/FFH spread-spectrum. , 2012, , .		1

#	Article	IF	Citations
37	Experimental validation of stochastic wireless Urban channel model: Estimation and prediction. , 2012, , .		0
38	PHY and MAC layer design of Hybrid Spread Spectrum based smart meter network. , 2012, , .		7