

# Teja Kuruganti

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Occupancy-Based HVAC Control with Short-Term Occupancy Prediction Algorithms for Energy-Efficient Buildings. <i>Energies</i> , 2018, 11, 2427.	3.1	55
2	Tri-Level Scheduling Model Considering Residential Demand Flexibility of Aggregated HVACs and EVs Under Distribution LMP. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 3990-4002.	9.0	47
3	Coordination and Control of Building HVAC Systems to Provide Frequency Regulation to the Electric Grid. <i>Energies</i> , 2018, 11, 1852.	3.1	34
4	Resilience-Oriented DG Siting and Sizing Considering Stochastic Scenario Reduction. <i>IEEE Transactions on Power Systems</i> , 2021, 36, 3715-3727.	6.5	30
5	Evaluating the Adaptability of Reinforcement Learning Based HVAC Control for Residential Houses. <i>Sustainability</i> , 2020, 12, 7727.	3.2	22
6	Use of Thermistor Temperature Sensors for Cyber-Physical System Security. <i>Sensors</i> , 2019, 19, 3905.	3.8	19
7	Optimal Demand Response Incorporating Distribution LMP With PV Generation Uncertainty. <i>IEEE Transactions on Power Systems</i> , 2022, 37, 982-995.	6.5	15
8	Deep Reinforcement Learning for Autonomous Water Heater Control. <i>Buildings</i> , 2021, 11, 548.	3.1	14
9	Model Predictive Control of Building On/Off HVAC Systems to Compensate Fluctuations in Solar Power Generation. , 2018, , .		13
10	Pulse Thermal Processing for Low Thermal Budget Integration of IGZO Thin Film Transistors. <i>IEEE Journal of the Electron Devices Society</i> , 2015, 3, 297-301.	2.1	9
11	Distribution Voltage Control: Current Status and Future Trends. , 2018, , .		8
12	Robust hierarchical dispatch for residential distribution network management considering home thermal flexibility and model predictive control. <i>IET Generation, Transmission and Distribution</i> , 2021, 15, 2567-2581.	2.5	8
13	Dataset of low global warming potential refrigerant refrigeration system for fault detection and diagnostics. <i>Scientific Data</i> , 2021, 8, 144.	5.3	8
14	PHY and MAC layer design of Hybrid Spread Spectrum based smart meter network. , 2012, , .		7
15	Real-Time Automated Hazard Detection Framework for Health Information Technology Systems. <i>Health Systems</i> , 2019, 8, 190-202.	1.2	7
16	The role of humidity in determining future electricity demand in the southeastern United States. <i>Environmental Research Letters</i> , 2021, 16, 114017.	5.2	6
17	Cost-effective retrofit technology for reducing peak power demand in small and medium commercial buildings. <i>Science and Technology for the Built Environment</i> , 2015, 21, 761-772.	1.7	5
18	Model-free Control of Building HVAC Systems to Accommodate Solar photovoltaicEnergy. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
19	Power Grid Simulation Testbed for Transactive Energy Management Systems. Sustainability, 2020, 12, 4402.	3.2	5
20	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
21	Gold Code-Phase-Shift Keying: A Power and Bandwidth Efficient Communication scheme for Smart Buildings. , 2018, , .		4
22	OTRA-THS MAC to reduce Power Outage Data Collection Latency in a smart meter network. , 2014, , .		3
23	Stability analysis of model-free control under constrained inputs for control of building HVAC systems. , 2019, , .		3
24	Topic Modeling to Discern Irregular Order Patterns in Unlabeled Electronic Health Records. , 2019, , .		3
25	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
26	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
27	Performance study of hybrid DS/FFH spread-spectrum systems in the presence of frequency-selective fading and multiple-access interference. , 2012, , .		2
28	A new methodological framework for hazard detection models in health information technology systems. Journal of Biomedical Informatics, 2021, 124, 103937.	4.3	2
29	A Model-Free Frequency Control Approach for Diesel-Wind Powered Microgrids. , 2020, , .		2
30	Determining system parameters for optimal performance of hybrid DS/FFH spread-spectrum. , 2012, , .		1
31	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
32	Nuclear-Norm-Based Subspace Identification of Multi-Zone Building HVAC System. , 2019, , .		1
33	Frequency Analysis of Solar PV Power to Enable Optimal Building Load Control. Energies, 2020, 13, 4593.	3.1	1
34	Inertia Emulation Control using Demand Response via 5G Communications. , 2021, , .		1
35	Event-based transmission line matrix method for simulating site-specific multipath propagation characteristics. , 2012, , .		0
36	Experimental validation of stochastic wireless Urban channel model: Estimation and prediction. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
37	Direct-Write Printed Current Sensor for Load Monitoring Applications. , 2019, , .		0
38	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