Kevin Hallinan

List of Publications by Year
in descending order

22 papers	200 citations	1162367 8 h-index	1125271 13 g-index
22 all docs	22 docs citations	22 times ranked	212 citing authors

Kevin Hallinan

#	Article	IF	Citations
1	Low-energy opportunity for multi-family residences: A review and simulation-based study of a solar borehole thermal energy storage system. Energy, 2020, 204, 117870.	4.5	25
2	Hybrid CHP/Geothermal Borehole System for Multi-Family Building in Heating Dominated Climates. Sustainability, 2020, 12, 7772.	1.6	22
3	Smart Wifi Thermostat-Enabled Thermal Comfort Control in Residences. Sustainability, 2020, 12, 1919.	1.6	19
4	Microgrid cost optimization for a mixed-use building. , 2017, , .		18
5	Machine Learning Modeling of Horizontal Photovoltaics Using Weather and Location Data. Energies, 2020, 13, 2570.	1.6	18
6	Large scale residential energy efficiency prioritization enabled by machine learning. Energy Efficiency, 2019, 12, 2055-2078.	1.3	14
7	Self-Learning Algorithm to Predict Indoor Temperature and Cooling Demand from Smart WiFi Thermostat in a Residential Building. Sustainability, 2020, 12, 7110.	1.6	12
8	Technology to Address Food Deserts: Low Energy Corner Store Groceries with Integrated Agriculture Greenhouse. Sustainability, 2020, 12, 7565.	1.6	10
9	Energy and Waste Reduction Opportunities in Industrial Processes. Strategic Planning for Energy and the Environment, 2001, 21, 40-53.	0.9	9
10	Development of Compliant Thermoelectric Generators (TEGs) in Aerospace Applications Using Topology Optimization. Energy Harvesting and Systems, 2019, 4, 87-105.	1.7	8
11	Using Smart-WiFi Thermostat Data to Improve Prediction of Residential Energy Consumption and Estimation of Savings. Energies, 2021, 14, 187.	1.6	8
12	Energy and Waste Reduction Opportunities in Industrial Processes. Strategic Planning for Energy and the Environment, 2001, 21, 40-53.	0.9	7
13	Cost optimization with solar and conventional energy production, energy storage, and real time pricing. , 2014, , .		6
14	An Arts-Based Instructional Model for Student Creativity in Engineering Design. International Journal of Engineering Pedagogy, 2017, 7, 34.	0.7	6
15	Energy Information Augmented Community-Based Energy Reduction. Sustainability, 2012, 4, 1371-1396.	1.6	5
16	Estimating Smart Wi-Fi Thermostat-Enabled Thermal Comfort Control Savings for Any Residence. Clean Technologies, 2021, 3, 743-760.	1.9	5
17	Automated Residential Energy Audits Using a Smart WiFi Thermostat-Enabled Data Mining Approach. Energies, 2021, 14, 2500.	1.6	3
18	A Review of Behavioral Energy Reduction Programs and Implementation of a Pilot Peer-to-Peer Led Behavioral Energy Reduction Program for a Low-Income Neighborhood. Energies, 2021, 14, 4635.	1.6	2

#	Article	IF	Citations
19	Performance Analysis of an Integrated Solar Dehumidification System with HVAC in A Typical Corner Store in the USA. Sustainability, 2020, 12, 4068.	1.6	1
20	Topology optimized thermoelectric generator: a parametric study. Energy Harvesting and Systems, 2020, 7, 33-53.	1.7	1
21	An Improved Method to Estimate Savings from Thermal Comfort Control in Residences from Smart Wi-Fi Thermostat Data. Clean Technologies, 2022, 4, 395-406.	1.9	1
22	A study of the fundamental operation of a Capillary-driven Heat Transfer device in both normal and low gravity Part 2. Effect of evaporator meniscus oscillations. , 1999, , .		0