

Semen Uimonen

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

286
citations

1039406

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all docs

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23
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of Electric Vehicle Charging Stations Load Profiles in Office Buildings Based on Occupancy Data. <i>Energies</i> , 2020, 13, 5700.	1.6	19
2	A machine learning approach to modelling escalator demand response. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 90, 103521.	4.3	7
3	Optimal Energy Trading for Renewable Energy Integrated Building Microgrids Containing Electric Vehicles and Energy Storage Batteries. <i>IEEE Access</i> , 2019, 7, 106092-106101.	2.6	57
4	Potential of aggregated escalator loads in demand response. <i>Electric Power Systems Research</i> , 2019, 175, 105917.	2.1	2
5	Adaptive Predictor Subset Selection Strategy for Enhanced Forecasting of Distributed PV Power Generation. <i>IEEE Access</i> , 2019, 7, 90652-90665.	2.6	21
6	Machine Learning Based Integrated Feature Selection Approach for Improved Electricity Demand Forecasting in Decentralized Energy Systems. <i>IEEE Access</i> , 2019, 7, 91463-91475.	2.6	65
7	Modeling the aggregated power consumption of elevators – the New York city case study. <i>Applied Energy</i> , 2019, 251, 113356.	5.1	13
8	Day-ahead Prediction of Building District Heat Demand for Smart Energy Management and Automation in Decentralized Energy Systems. , 2019, , .		1
9	Short-term Forecasting of Electricity Consumption in Buildings for Efficient and Optimal Distributed Energy Management. , 2019, , .		5
10	Effective Input Dataset Identification Methodology for Accurate Prediction of Local PV Power Production. , 2019, , .		0
11	Exploiting Flexibility of Renewable Energy Integrated Buildings for Optimal Day-ahead and Real-time Power Bidding Considering Batteries and EVs as Demand Response Resources. , 2019, , .		1
12	High-resolution modeling of elevator power consumption. <i>Journal of Building Engineering</i> , 2018, 18, 210-219.	1.6	19
13	Evaluating the Applicability of Elevators in Frequency Containment Reserves. , 2018, , .		2
14	Assessing the Applicability of Vertical Transportation in Power System Inertial Support. , 2018, , .		0
15	Vertical Transportation Demand Response: Cost of Lost Customer Hours. , 2018, , .		2
16	Impact of daily passenger traffic on energy consumption of intermittent-operating escalators. <i>Energy and Buildings</i> , 2017, 140, 348-358.	3.1	10
17	Predicting the annual escalator energy consumption based on short-term measurements. <i>Journal of Building Engineering</i> , 2017, 13, 319-325.	1.6	2
18	A study for improving the energy efficiency of lifts with adjustable counterweighting. <i>Building Services Engineering Research and Technology</i> , 2017, 38, 421-435.	0.9	7

#	ARTICLE	IF	CITATIONS
19	Explicit method to predict annual elevator energy consumption in recurring passenger traffic conditions. Journal of Building Engineering, 2016, 8, 179-188.	1.6	22
20	Evaluating and improving the energy efficiency of counterbalanced elevators based on passenger traffic. , 2016, , .		6
21	Modelling the daily energy consumption of escalators with various passenger volumes. , 2016, , .		5
22	Energy consumption of escalators in low traffic environment. Energy and Buildings, 2016, 125, 287-297.	3.1	16
23	Practices to Improve the Annual Elevator Energy Consumption Estimates and Measurements. International Review on Modelling and Simulations, 2016, 9, 134.	0.2	4