

Pascal A Schirmer

List of Publications by Year in descending order

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21
papers

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1307594

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1281871

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21
times ranked

91
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-Intrusive Load Monitoring: A Review. IEEE Transactions on Smart Grid, 2023, 14, 769-784.	9.0	45
2	Statistical and Electrical Features Evaluation for Electrical Appliances Energy Disaggregation. Sustainability, 2019, 11, 3222.	3.2	41
3	Energy Disaggregation Using Elastic Matching Algorithms. Entropy, 2020, 22, 71.	2.2	18
4	Energy Disaggregation Using Two-Stage Fusion of Binary Device Detectors. Energies, 2020, 13, 2148.	3.1	15
5	Evaluation of Regression Algorithms and Features on the Energy Disaggregation Task. , 2019, , .		11
6	Double Fourier Integral Analysis Based Convolutional Neural Network Regression for High-Frequency Energy Disaggregation. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 439-449.	4.9	9
7	Improving Energy Disaggregation Performance Using Appliance-Driven Sampling Rates. , 2019, , .		8
8	Robust energy disaggregation using appliance-specific temporal contextual information. Eurasip Journal on Advances in Signal Processing, 2020, 2020, .	1.7	8
9	Energy Disaggregation from Low Sampling Frequency Measurements Using Multi-Layer Zero Crossing Rate. , 2020, , .		8
10	Evaluation of Regression Algorithms in Residential Energy Consumption Prediction. , 2019, , .		8
11	Energy Disaggregation Using Fractional Calculus. , 2020, , .		7
12	Identification of TV Channel Watching from Smart Meter Data Using Energy Disaggregation. Energies, 2021, 14, 2485.	3.1	7
13	Low-Frequency Energy Disaggregation based on Active and Reactive Power Signatures. , 2021, , .		7
14	Residential Energy Consumption Prediction Using Inter-Household Energy Data and Socioeconomic Information. , 2021, , .		6
15	On the non-intrusive extraction of residentsâ€™ privacy- and security-sensitive information from energy smart meters. Neural Computing and Applications, 2023, 35, 119-132.	5.6	4
16	Multivariate Non-Negative Matrix Factorization with Application to Energy Disaggregation. , 2021, , .		4
17	Reducing Grid Distortions Utilizing Energy Demand Prediction and Local Storages. IEEE Access, 2021, 9, 15122-15132.	4.2	3
18	Device and Time Invariant Features for Transferable Non-Intrusive Load Monitoring. IEEE Open Access Journal of Power and Energy, 2022, 9, 121-130.	3.4	3

#	ARTICLE	IF	CITATIONS
19	Binary versus Multiclass Deep Learning Modelling in Energy Disaggregation. Springer Proceedings in Energy, 2021, , 45-51.	0.3	2
20	Integration of Temporal Contextual Information for Robust Energy Disaggregation. , 2019, , .		1
21	Privacy and Security Threats from Smart Meters Technology. , 2021, , .		0