

Yassine Himeur

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

530
citations

13
h-index

20
g-index

57
ext. papers

957
ext. citations

5.7
avg, IF

5.06
L-index

#	Paper	IF	Citations
52	Artificial intelligence based anomaly detection of energy consumption in buildings: A review, current trends and new perspectives. <i>Applied Energy</i> , 2021 , 287, 116601	10.7	61
51	Robust event-based non-intrusive appliance recognition using multi-scale wavelet packet tree and ensemble bagging tree. <i>Applied Energy</i> , 2020 , 267, 114877	10.7	37
50	A robust and secure key-frames based video watermarking system using chaotic encryption. <i>Multimedia Tools and Applications</i> , 2018 , 77, 8603-8627	2.5	31
49	Achieving Domestic Energy Efficiency Using Micro-Moments and Intelligent Recommendations. <i>IEEE Access</i> , 2020 , 8, 15047-15055	3.5	29
48	Building power consumption datasets: Survey, taxonomy and future directions. <i>Energy and Buildings</i> , 2020 , 227, 110404	7	27
47	A Novel Approach for Detecting Anomalous Energy Consumption Based on Micro-Moments and Deep Neural Networks. <i>Cognitive Computation</i> , 2020 , 12, 1381-1401	4.4	25
46	Data fusion strategies for energy efficiency in buildings: Overview, challenges and novel orientations. <i>Information Fusion</i> , 2020 , 64, 99-120	16.7	24
45	REHAB-C: Recommendations for Energy HABits Change. <i>Future Generation Computer Systems</i> , 2020 , 112, 394-407	7.5	21
44	The emergence of explainability of intelligent systems: Delivering explainable and personalized recommendations for energy efficiency. <i>International Journal of Intelligent Systems</i> , 2021 , 36, 656-680	8.4	20
43	A survey of recommender systems for energy efficiency in buildings: Principles, challenges and prospects. <i>Information Fusion</i> , 2021 , 72, 1-21	16.7	19
42	An adaptive recursive noise compensator for impulsive noise mitigation over OFDM power line communication. <i>AEU - International Journal of Electronics and Communications</i> , 2016 , 70, 105-112	2.8	17
41	Effective non-intrusive load monitoring of buildings based on a novel multi-descriptor fusion with dimensionality reduction. <i>Applied Energy</i> , 2020 , 279, 115872	10.7	16
40	Smart power consumption abnormality detection in buildings using micromoments and improved K-nearest neighbors. <i>International Journal of Intelligent Systems</i> , 2021 , 36, 2865-2894	8.4	13
39	Smart non-intrusive appliance identification using a novel local power histogramming descriptor with an improved k-nearest neighbors classifier. <i>Sustainable Cities and Society</i> , 2021 , 67, 102764	10.1	13
38	Robust image transmission over powerline channel with impulse noise. <i>Multimedia Tools and Applications</i> , 2017 , 76, 2813-2835	2.5	11
37	OFDM-based power-line communication enhancement using a turbo coded adaptive impulsive noise compensator. <i>Telecommunication Systems</i> , 2016 , 62, 481-494	2.3	10
36	A model for predicting room occupancy based on motion sensor data 2020 ,		9

35	An efficient impulsive noise cancellation scheme for power-line communication systems using ANFIS and chaotic interleaver 2017 , 66, 42-55		8
34	Real-time personalised energy saving recommendations 2020 ,		8
33	Data Analytics, Automations, and Micro-Moment Based Recommendations for Energy Efficiency 2020 ,		8
32	Performance of turbo-coded chaotic interleaving and frequency-domain equalization scheme for high speed OFDM-based PLC systems. <i>Journal of the Franklin Institute</i> , 2016 , 353, 3799-3817	4	8
31	An intelligent nonintrusive load monitoring scheme based on 2D phase encoding of power signals. <i>International Journal of Intelligent Systems</i> , 2021 , 36, 72-93	8.4	8
30	Blockchain-based recommender systems: Applications, challenges and future opportunities. <i>Computer Science Review</i> , 2022 , 43, 100439	8.3	7
29	Robust video copy detection based on ring decomposition based binarized statistical image features and invariant color descriptor (RBSIF-ICD). <i>Multimedia Tools and Applications</i> , 2018 , 77, 17309-17331	2.5	6
28	2015 ,		6
27	Energy Data Visualizations on Smartphones for Triggering Behavioral Change: Novel Vs. Conventional 2020 ,		6
26	A Fast and Robust Key-Frames based Video Copy Detection Using BSIF-RMI 2014 ,		6
25	On the Applicability of 2D Local Binary Patterns for Identifying Electrical Appliances in Non-intrusive Load Monitoring. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 188-205	0.4	6
24	Improving In-Home Appliance Identification Using Fuzzy-Neighbors-Preserving Analysis Based QR-Decomposition. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 303-311	0.4	6
23	Intelligent Edge-Based Recommender System for Internet of Energy Applications. <i>IEEE Systems Journal</i> , 2021 , 1-10	4.3	5
22	An innovative edge-based Internet of Energy solution for promoting energy saving in buildings. <i>Sustainable Cities and Society</i> , 2022 , 78, 103571	10.1	5
21	Noise Mitigation over Powerline Communication Using LDPC-Convolutional Code and Fusion of Mean and Median Filters 2014 ,		5
20	2020 ,		4
19	Cloud Energy Micro-Moment Data Classification: A Platform Study 2020 ,		4
18	Techno-economic assessment of building energy efficiency systems using behavioral change: A case study of an edge-based micro-moments solution. <i>Journal of Cleaner Production</i> , 2021 , 331, 129786	10.3	4

17	A Micro-Moment System for Domestic Energy Efficiency Analysis. <i>IEEE Systems Journal</i> , 2021 , 15, 1256-1263	4.63	4
16	Reshaping Consumption Habits by Exploiting Energy-Related Micro-moment Recommendations: A Case Study. <i>Communications in Computer and Information Science</i> , 2021 , 65-84	0.3	4
15	Latest trends of security and privacy in recommender systems: A comprehensive review and future perspectives. <i>Computers and Security</i> , 2022 , 118, 102746	4.9	4
14	A novel clipping based flow companding scheme for PAPR reduction over powerline communication 2017 ,		3
13	Adaptive noise clipping-based hybrid progressive median filter for image transmission over top-down powerline communication. <i>International Journal of Communication Networks and Distributed Systems</i> , 2016 , 16, 176	0.4	3
12	Performance and energy optimization of building automation and management systems: Towards smart sustainable carbon-neutral sports facilities. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 162, 112401	16.2	3
11	Appliance-Level Monitoring with Micro-Moment Smart Plugs. <i>Lecture Notes in Networks and Systems</i> , 2021 , 942-953	0.5	2
10	The Emergence of Hybrid Edge-Cloud Computing for Energy Efficiency in Buildings. <i>Lecture Notes in Networks and Systems</i> , 2022 , 70-83	0.5	2
9	Endorsing Energy Efficiency Through Accurate Appliance-Level Power Monitoring, Automation and Data Visualization. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 603-617	0.5	2
8	Smart fusion of sensor data and human feedback for personalized energy-saving recommendations. <i>Applied Energy</i> , 2022 , 305, 117775	10.7	2
7	Detection of Appliance-Level Abnormal Energy Consumption in Buildings Using Autoencoders and Micro-moments. <i>Lecture Notes in Networks and Systems</i> , 2022 , 179-193	0.5	2
6	A Rotation Invariant BSIF Descriptor for Video Copy Detection Using a Ring Decomposition 2015 ,		1
5	Secure and robust audio watermarking system for copyright protection 2012 ,		1
4	Neural network-based model predictive control system for optimizing building automation and management systems of sports facilities. <i>Applied Energy</i> , 2022 , 318, 119153	10.7	1
3	Impulsive noise reduction through OFDM-based PLC using a new adaptive recursive noise compensator. <i>International Journal of Ad Hoc and Ubiquitous Computing</i> , 2018 , 27, 187	0.7	0
2	Hybrid forward error correction coding efficiency for MIMO-PLC with symmetric alpha-stable noise. <i>Telecommunication Systems</i> , 2020 , 75, 319-329	2.3	
1	Performance Enhancement of Indoor Powerline Communication Using Improved Error Correction Codes. <i>Communications in Computer and Information Science</i> , 2015 , 457-472	0.3	