

Yassine Himeur

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,591
citations

279701

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h-index

330025

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57
all docs

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docs citations

57
times ranked

493
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial intelligence based anomaly detection of energy consumption in buildings: A review, current trends and new perspectives. <i>Applied Energy</i> , 2021, 287, 116601.	5.1	264
2	A survey of recommender systems for energy efficiency in buildings: Principles, challenges and prospects. <i>Information Fusion</i> , 2021, 72, 1-21.	11.7	80
3	Robust event-based non-intrusive appliance recognition using multi-scale wavelet packet tree and ensemble bagging tree. <i>Applied Energy</i> , 2020, 267, 114877.	5.1	78
4	A Novel Approach for Detecting Anomalous Energy Consumption Based on Micro-Moments and Deep Neural Networks. <i>Cognitive Computation</i> , 2020, 12, 1381-1401.	3.6	76
5	Building power consumption datasets: Survey, taxonomy and future directions. <i>Energy and Buildings</i> , 2020, 227, 110404.	3.1	61
6	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.	3.3	54
7	Neural network-based model predictive control system for optimizing building automation and management systems of sports facilities. <i>Applied Energy</i> , 2022, 318, 119153.	5.1	53
8	Smart power consumption abnormality detection in buildings using micromoments and improved Kâ€œnearest neighbors. <i>International Journal of Intelligent Systems</i> , 2021, 36, 2865-2894.	3.3	51
9	A robust and secure key-frames based video watermarking system using chaotic encryption. <i>Multimedia Tools and Applications</i> , 2018, 77, 8603-8627.	2.6	50
10	Using artificial intelligence and data fusion for environmental monitoring: A review and future perspectives. <i>Information Fusion</i> , 2022, 86-87, 44-75.	11.7	50
11	Blockchain-based recommender systems: Applications, challenges and future opportunities. <i>Computer Science Review</i> , 2022, 43, 100439.	10.2	49
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.	8.2	48
13	Data fusion strategies for energy efficiency in buildings: Overview, challenges and novel orientations. <i>Information Fusion</i> , 2020, 64, 99-120.	11.7	46
14	Achieving Domestic Energy Efficiency Using Micro-Moments and Intelligent Recommendations. <i>IEEE Access</i> , 2020, 8, 15047-15055.	2.6	44
15	REHAB-C: Recommendations for Energy HABits Change. <i>Future Generation Computer Systems</i> , 2020, 112, 394-407.	4.9	43
16	Effective non-intrusive load monitoring of buildings based on a novel multi-descriptor fusion with dimensionality reduction. <i>Applied Energy</i> , 2020, 279, 115872.	5.1	42
17	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.	5.1	37
18	Latest trends of security and privacy in recommender systems: A comprehensive review and future perspectives. <i>Computers and Security</i> , 2022, 118, 102746.	4.0	35

#	ARTICLE	IF	CITATIONS
19	Smart fusion of sensor data and human feedback for personalized energy-saving recommendations. Applied Energy, 2022, 305, 117775.	5.1	32
20	Recent trends of smart nonintrusive load monitoring in buildings: A review, open challenges, and future directions. International Journal of Intelligent Systems, 2022, 37, 7124-7179.	3.3	31
21	An innovative edge-based Internet of Energy solution for promoting energy saving in buildings. Sustainable Cities and Society, 2022, 78, 103571.	5.1	29
22	Intelligent Edge-Based Recommender System for Internet of Energy Applications. IEEE Systems Journal, 2022, 16, 5001-5010.	2.9	28
23	An intelligent nonintrusive load monitoring scheme based on 2D phase encoding of power signals. International Journal of Intelligent Systems, 2021, 36, 72-93.	3.3	27
24	An adaptive recursive noise compensator for impulsive noise mitigation over OFDM power line communication. AEU - International Journal of Electronics and Communications, 2016, 70, 105-112.	1.7	19
25	Techno-economic assessment of building energy efficiency systems using behavioral change: A case study of an edge-based micro-moments solution. Journal of Cleaner Production, 2022, 331, 129786.	4.6	18
26	A Micro-Moment System for Domestic Energy Efficiency Analysis. IEEE Systems Journal, 2021, 15, 1256-1263.	2.9	17
27	OFDM-based power-line communication enhancement using a turbo coded adaptive impulsive noise compensator. Telecommunication Systems, 2016, 62, 481-494.	1.6	16
28	A model for predicting room occupancy based on motion sensor data. , 2020, , .		15
29	Real-time personalised energy saving recommendations. , 2020, , .		15
30	Robust image transmission over powerline channel with impulse noise. Multimedia Tools and Applications, 2017, 76, 2813-2835.	2.6	14
31	Data Analytics, Automations, and Micro-Moment Based Recommendations for Energy Efficiency. , 2020, , .		12
32	Performance of turbo-coded chaotic interleaving and frequency-domain equalization scheme for high speed OFDM-based PLC systems. Journal of the Franklin Institute, 2016, 353, 3799-3817.	1.9	11
33	Robust video copy detection based on ring decomposition based binarized statistical image features and invariant color descriptor (RBSIF-ICD). Multimedia Tools and Applications, 2018, 77, 17309-17331.	2.6	11
34	Energy Data Visualizations on Smartphones for Triggering Behavioral Change: Novel Vs. Conventional. , 2020, , .		11
35	Using big data and federated learning for generating energy efficiency recommendations. International Journal of Data Science and Analytics, 2023, 16, 353-369.	2.4	11
36	An efficient impulsive noise cancellation scheme for power-line communication systems using ANFIS and chaotic interleaver. , 2017, 66, 42-55.		9

#	ARTICLE	IF	CITATIONS
37	Cloud Energy Micro-Moment Data Classification: A Platform Study. , 2020, , .		9
38	Efficient Multi-Descriptor Fusion for Non-Intrusive Appliance Recognition. , 2020, , .		8
39	Endorsing Energy Efficiency Through Accurate Appliance-Level Power Monitoring, Automation and Data Visualization. Smart Innovation, Systems and Technologies, 2022, , 603-617.	0.5	8
40	Joint color and texture descriptor using ring decomposition for robust video copy detection in large databases. , 2015, , .		7
41	Reshaping Consumption Habits by Exploiting Energy-Related Micro-moment Recommendations: A Case Study. Communications in Computer and Information Science, 2021, , 65-84.	0.4	7
42	A Fast and Robust Key-Frames based Video Copy Detection Using BSIF-RMI. , 2014, , .		7
43	Noise Mitigation over Powerline Communication Using LDPC-Convolutional Code and Fusion of Mean and Median Filters. , 2014, , .		7
44	Detection ofÂAppliance-Level Abnormal Energy Consumption inÂBuildings Using Autoencoders andÂMicro-moments. Lecture Notes in Networks and Systems, 2022, , 179-193.	0.5	7
45	The Emergence of Hybrid Edge-Cloud Computing for Energy Efficiency in Buildings. Lecture Notes in Networks and Systems, 2022, , 70-83.	0.5	5
46	Secure and robust audio watermarking system for copyright protection. , 2012, , .		4
47	Adaptive noise clipping-based hybrid progressive median filter for image transmission over top-down powerline communication. International Journal of Communication Networks and Distributed Systems, 2016, 16, 176.	0.3	4
48	Appliance-Level Monitoring withÂMicro-Moment Smart Plugs. Lecture Notes in Networks and Systems, 2021, , 942-953.	0.5	4
49	A novel clipping based $\frac{1}{4}$ -law companding scheme for PAPR reduction over powerline communication. , 2017, , .		3
50	A Rotation Invariant BSIF Descriptor for Video Copy Detection Using a Ring Decomposition. , 2015, , .		2
51	Impulsive noise reduction through OFDM-based PLC using a new adaptive recursive noise compensator. International Journal of Ad Hoc and Ubiquitous Computing, 2018, 27, 187.	0.3	2
52	Appliance identification using a histogram post-processing of 2D local binary patterns for smart grid applications. , 2021, , .		2
53	Impulsive noise reduction through OFDM based PLC using a new adaptive recursive noise compensator. International Journal of Ad Hoc and Ubiquitous Computing, 2015, 1, 1.	0.3	1
54	Performance Enhancement of Indoor Powerline Communication Using Improved Error Correction Codes. Communications in Computer and Information Science, 2015, , 457-472.	0.4	0

#	ARTICLE	IF	CITATIONS
55	Hybrid forward error correction coding efficiency for MIMO-PLC with symmetric alpha-stable noise. Telecommunication Systems, 2020, 75, 319-329.	1.6	0