MichaÅ, JasiÅ„ski

List of Publications by Year
in descending order

70 papers	1,208 citations	361296 20 h-index	414303 32 g-index
71 all docs	71 docs citations	71 times ranked	479 citing authors

#	Article	IF	Citations
1	A medium-term hybrid IGDT-Robust optimization model for optimal self scheduling of multi-carrier energy systems. Energy, 2022, 238, 121661.	4.5	26
2	A practical probabilistic approach for load balancing in data-scarce LV distribution systems using discrete PSO and 2ÂmÂ+Â1 PEM. International Journal of Electrical Power and Energy Systems, 2022, 135, 107530.	3.3	3
3	A Heuristic Method to Calculate the Capacity of Residential PV-BESS in Providing Upward Flexibility Services in Energy Communities. IEEE Access, 2022, 10, 2908-2928.	2.6	3
4	A maxâ€“minâ€“max robust optimization model for multi-carrier energy systems integrated with power to gas storage system. Journal of Energy Storage, 2022, 48, 103933.	3.9	26
5	Dermatologist-Level Classification of Skin Cancer Using Cascaded Ensembling of Convolutional Neural Network and Handcrafted Features Based Deep Neural Network. IEEE Access, 2022, 10, 17920-17932.	2.6	53
6	A Power-Efficient Multichannel Low-Pass Filter Based on the Cascaded Multiple Accumulate Finite Impulse Response (CMFIR) Structure for Digital Image Processing. Circuits, Systems, and Signal Processing, 2022, 41, 3864-3881.	1.2	2
7	Brain Magnetic Resonance Imaging Classification Using Deep Learning Architectures with Gender and Age. Sensors, 2022, 22, 1766.	2.1	25
8	Machine Learning and Data Mining Applications in Power Systems. Energies, 2022, 15, 1676.	1.6	3
9	Decreasing the Battery Recharge Time if Using a Fuzzy Based Power Management Loop for an Isolated Micro-Grid Farm. Sustainability, 2022, 14, 2870.	1.6	10
10	A hybrid distributed framework for optimal coordination of electric vehicle aggregators problem. Energy, 2022, 249, 123674.	4.5	9
11	Fuzzy Hysteresis Current Controller for Power Quality Enhancement in Renewable Energy Integrated Clusters. Sustainability, 2022, 14, 4851.	1.6	12
12	A Five Convolutional Layer Deep Convolutional Neural Network for Plant Leaf Disease Detection. Electronics (Switzerland), 2022, 11, 1266.	1.8	29
13	The role of EV based peer-to-peer transactive energy hubs in distribution network optimization. Applied Energy, 2022, 319, 119267.	5.1	9
14	Optimal Operation of Microgrids with Demand-Side Management Based on a Combination of Genetic Algorithm and Artificial Bee Colony. Sustainability, 2022, 14, 6759.	1.6	15
15	Microgrid Working Conditions Identification Based on Cluster Analysisâ€”A Case Study From Lambda Microgrid. IEEE Access, 2022, 10, 70971-70979.	2.6	4
16	Landslide Susceptibility Mapping Using Machine Learning: A Literature Survey. Remote Sensing, 2022, 14, 3029.	1.8	46
17	Optimal Operation of an Integrated Hybrid Renewable Energy System with Demand-Side Management in a Rural Context. Energies, 2022, 15, 5176.	1.6	11
18	Mining Industry Corporate Social Responsibility to Education Development. Resources, 2022, 11, 65.	1.6	2

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19	Estimation of Life Cycle of Distribution Transformer in Context to Furan Content Formation, Pollution Index, and Dielectric Strength. IEEE Access, 2021, 9, 37456-37465.	2.6	27
20	Elastic Damping Mechanism Optimization by Indefinite Lagrange Multipliers. IEEE Access, 2021, 9, 71784-71804.	2.6	10
21	Deep Learning Methods for Classification of Certain Abnormalities in Echocardiography. Electronics (Switzerland), 2021, 10, 495.	1.8	24
22	A Case Study on Data Mining Application in a Virtual Power Plant: Cluster Analysis of Power Quality Measurements. Energies, 2021, 14, 974.	1.6	7
23	A Case Study on a Hierarchical Clustering Application in a Virtual Power Plant: Detection of Specific Working Conditions from Power Quality Data. Energies, 2021, 14, 907.	1.6	7
24	Combined Correlation and Cluster Analysis for Long-Term Power Quality Data from Virtual Power Plant. Electronics (Switzerland), 2021, 10, 641.	1.8	5
25	A Hybrid Supervised Machine Learning Classifier System for Breast Cancer Prognosis Using Feature Selection and Data Imbalance Handling Approaches. Electronics (Switzerland), 2021, 10, 699.	1.8	29
26	D-GENE-Based Discovery of Frequent Occupational Diseases among Female Home-Based Workers. Electronics (Switzerland), 2021, 10, 1230.	1.8	1
27	Impact of Harmonic Currents of Nonlinear Loads on Power Quality of a Low Voltage Networkâ€“Review and Case Study. Energies, 2021, 14, 3665.	1.6	42
28	Identification of Plant-Leaf Diseases Using CNN and Transfer-Learning Approach. Electronics (Switzerland), 2021, 10, 1388.	1.8	167
29	Clustering Methods for Power Quality Measurements in Virtual Power Plant. Energies, 2021, 14, 5902.	1.6	12
30	Off-Grid Rural Electrification in India Using Renewable Energy Resources and Different Battery Technologies with a Dynamic Differential Annealed Optimization. Energies, 2021, 14, 5866.	1.6	7
31	Optimal location of an electrical vehicle charging station in a local microgrid using an embedded hybrid optimizer. International Journal of Electrical Power and Energy Systems, 2021, 131, 106979.	3.3	21
32	A hybrid decentralized stochastic-robust model for optimal coordination of electric vehicle aggregator and energy hub entities. Applied Energy, 2021, 304, 117708.	5.1	37
33	Analysis of Earthquake Forecasting in India Using Supervised Machine Learning Classifiers. Sustainability, 2021, 13, 971.	1.6	23
34	Prediction of Chronic Kidney Disease - A Machine Learning Perspective. IEEE Access, 2021, 9, 17312-17334.	2.6	112
35	Adaptive Neuro-Fuzzy Inference System-Based Maximum Power Tracking Controller for Variable Speed WECS. Energies, 2021, 14, 6275.	1.6	33
36	Effect of Dynamic Bridging on Homogeneous Grain Movement in a Microwave Processing Zone. Agronomy, 2021, 11, 2014.	1.3	2

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37	Blockchain: Future of e-Governance in Smart Cities. Sustainability, 2021, 13, 11840.	1.6	24
38	A distributed framework for optimal operation of EV aggregators problem. , 2021, , .		0
39	Integration of supervision and monitoring systems of microgrids â€“ a case study from Lambda Microgrid for correlation analysis. , 2021, , .		3
40	Power quality assessment of PV power plant. , 2021, , .		0
41	Methods Improving Energy Efficiency of Photovoltaic Systems Operating under Partial Shading. Applied Sciences (Switzerland), 2021, 11, 10696.	1.3	8
42	Signal Analysis in Power Systems. Energies, 2021, 14, 7850.	1.6	0
43	Plant Disease Identification Using Shallow Convolutional Neural Network. Agronomy, 2021, 11, 2388.	1.3	33
44	A hybrid IGDT-robust optimization model for optimal self-scheduling of a smart home. , 2021, , .		0
45	Intelligent Scheduling of Smart Home Appliances Based on Demand Response Considering the Cost and Peak-to-Average Ratio in Residential Homes. Energies, 2021, 14, 8510.	1.6	14
46	Political-Optimizer-Based Energy-Management System for Microgrids. Electronics (Switzerland), 2021, 10, 3119.	1.8	6
47	Online Rotor and Stator Resistance Estimation Based on Artificial Neural Network Applied in Sensorless Induction Motor Drive. Energies, 2020, 13, 4946.	1.6	22
48	Monitoring the Number and Duration of Power Outages and Voltage Deviations at Both Sides of Switching Devices. IEEE Access, 2020, 8, 137174-137184.	2.6	16
49	Different working conditions identification of a PV power plant using hierarchical clustering. , 2020, , .		1
50	Evaluation of bearing assembly lifespan for electric motors - a case study on agriculture. , 2020, , .		0
51	A Case Study on Power Quality in a Virtual Power Plant: Long Term Assessment and Global Index Application. Energies, 2020, 13, 6578.	1.6	10
52	A Case Study on Battery Energy Storage System in a Virtual Power Plant: Defining Charging and Discharging Characteristics. Energies, 2020, 13, 6670.	1.6	12
53	The Application of Hierarchical Clustering to Power Quality Measurements in an Electrical Power Network with Distributed Generation. Energies, 2020, 13, 2407.	1.6	13
54	Analysis of the Power Supply Restoration Time after Failures in Power Transmission Lines. Energies, 2020, 13, 2736.	1.6	18

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55	A Case Study on Distributed Energy Resources and Energy-Storage Systems in a Virtual Power Plant Concept: Technical Aspects. Energies, 2020, 13, 3086.	1.6	37
56	Hybrid Power Plant with Storage System: University Research Station. Periodica Polytechnica Electrical Engineering and Computer Science, 2020, 64, 47-52.	0.6	1
57	Combined Cluster Analysis and Global Power Quality Indices for the Qualitative Assessment of the Time-Varying Condition of Power Quality in an Electrical Power Network with Distributed Generation. Energies, 2020, 13, 2050.	1.6	18
58	Global Power Quality Index application in Virtual Power Plant. , 2020, , .		3
59	Zastosowanie eksploracji danych do identyfikacji oznaczonych wynikÃ³w pomiaru jakoÅ›ci energii elektrycznej w ujÄ™ciu obszarowym. Przeglad Elektrotechniczny, 2020, 1, 11-14.	0.1	0
60	Identification of Technological Limitations of a Battery Energy Storage System. , 2020, , .		2
61	Influence of Measurement Aggregation Algorithms on Power Quality Assessment and Correlation Analysis in Electrical Power Network with PV Power Plant. Energies, 2019, 12, 3547.	1.6	17
62	A Case Study on Distributed Energy Resources and Energy-Storage Systems in a Virtual Power Plant Concept: Economic Aspects. Energies, 2019, 12, 4447.	1.6	39
63	Integration Monitoring of On-grid Photovoltaic System: Case Study. Periodica Polytechnica Electrical Engineering and Computer Science, 2019, 63, 99-105.	0.6	11
64	The method of extending drone piloting autonomy when monitoring the technical condition of 6-10 kV overhead power lines. E3S Web of Conferences, 2019, 124, 02010.	0.2	6
65	Clustering as a tool to support the assessment of power quality in electrical power networks with distributed generation in the mining industry. Electric Power Systems Research, 2019, 166, 52-60.	2.1	29
66	Energy management in a real microgrid with hydroelectric power plant and battery storage unit. , 2019, , .		0
67	Global power quality indices for assessment of multipoint Power quality measurements. , 2018, , .		6
68	Computer-aided appliances to underground machines maintenance â€“ Selected issues. , 2018, , .		1
69	Cluster Analysis for Long-Term Power Quality Data in Mining Electrical Power Network. , 2018, , .		2
70	Cluster analisis of long-term power quality data. , 2016, , .		1