

# Paweł, Paweł, awiak

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

2,711  
citations

218662

26  
h-index

206102

48  
g-index

52  
all docs

52  
docs citations

52  
times ranked

2081  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid geneticâ€discretized algorithm to handle data uncertainty in diagnosing stenosis of coronary arteries. Expert Systems, 2022, 39, .	4.5	26
2	A novel Discrete Wavelet-Concatenated Mesh Tree and ternary chess pattern based ECG signal recognition method. Biomedical Signal Processing and Control, 2022, 72, 103331.	5.7	21
3	Cancelable ECG biometric based on combination of deep transfer learning with DNA and amino acid approaches for human authentication. Information Sciences, 2022, 585, 127-143.	6.9	16
4	Real-Time Hand Gesture Recognition Using Fine-Tuned Convolutional Neural Network. Sensors, 2022, 22, 706.	3.8	53
5	Design of a Gabor Filter-Based Image Denoising Hardware Model. Electronics (Switzerland), 2022, 11, 1063.	3.1	7
6	NCAâ€GAâ€SVM: A new twoâ€level feature selection method based on neighborhood component analysis and genetic algorithm in hepatocellular carcinoma fatality prognosis. International Journal for Numerical Methods in Biomedical Engineering, 2022, 38, e3599.	2.1	8
7	Signal-piloted processing metaheuristic optimization and wavelet decomposition based elucidation of arrhythmia for mobile healthcare. Biocybernetics and Biomedical Engineering, 2022, 42, 681-694.	5.9	21
8	A novel end-to-end deep learning approach for cancer detection based on microscopic medical images. Biocybernetics and Biomedical Engineering, 2022, 42, 737-748.	5.9	17
9	Reordering and Partitioning of Distributed Quantum Circuits. IEEE Access, 2022, 10, 70329-70341.	4.2	11
10	ResNetâ€Attention model for human authentication using ECG signals. Expert Systems, 2021, 38, e12547.	4.5	64
11	Hybrid particle swarm optimization for rule discovery in the diagnosis of coronary artery disease. Expert Systems, 2021, 38, .	4.5	50
12	Development of accurate classification of heavenly bodies using novel machine learning techniques. Soft Computing, 2021, 25, 7213-7228.	3.6	2
13	Hyperspectral Classification of Blood-Like Substances Using Machine Learning Methods Combined with Genetic Algorithms in Transductive and Inductive Scenarios. Sensors, 2021, 21, 2293.	3.8	3
14	Epilepsy attacks recognition based on 1D octal pattern, wavelet transform and EEG signals. Multimedia Tools and Applications, 2021, 80, 25197-25218.	3.9	21
15	Transmission Quality Classification with Use of Fusion of Neural Network and Genetic Algorithm in Pay&Require Multi-Agent Managed Network. Sensors, 2021, 21, 4090.	3.8	4
16	Comparison of various approaches to combine logistic regression with genetic algorithms in survival prediction of hepatocellular carcinoma. Computers in Biology and Medicine, 2021, 134, 104431.	7.0	33
17	Connectivity matrix model of quantum circuits and its application to distributed quantum circuit optimization. Quantum Information Processing, 2021, 20, 1.	2.2	10
18	Automated detection of shockable ECG signals: A review. Information Sciences, 2021, 571, 580-604.	6.9	40

#	ARTICLE	IF	CITATIONS
19	BARF: A new direct and cross-based binary residual feature fusion with uncertainty-aware module for medical image classification. <i>Information Sciences</i> , 2021, 577, 353-378.	6.9	59
20	A novel approach based on genetic algorithm to speed up the discovery of classification rules on GPUs. <i>Knowledge-Based Systems</i> , 2021, 231, 107419.	7.1	3
21	Smartphone-Based Human Sitting Behaviors Recognition Using Inertial Sensor. <i>Sensors</i> , 2021, 21, 6652.	3.8	16
22	Novel deep genetic ensemble of classifiers for arrhythmia detection using ECG signals. <i>Neural Computing and Applications</i> , 2020, 32, 11137-11161.	5.6	141
23	DGHNL: A new deep genetic hierarchical network of learners for prediction of credit scoring. <i>Information Sciences</i> , 2020, 516, 401-418.	6.9	101
24	Development of novel ensemble model using stacking learning and evolutionary computation techniques for automated hepatocellular carcinoma detection. <i>Biocybernetics and Biomedical Engineering</i> , 2020, 40, 1512-1524.	5.9	27
25	A mixed solution-based high agreement filtering method for class noise detection in binary classification. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 553, 124219.	2.6	16
26	Machine learning techniques for transmission parameters classification in multi-agent managed network. , 2020, , .		1
27	A novel facial image recognition method based on perceptual hash using quintet triple binary pattern. <i>Multimedia Tools and Applications</i> , 2020, 79, 29573-29593.	3.9	15
28	Ensemble residual network-based gender and activity recognition method with signals. <i>Journal of Supercomputing</i> , 2020, 76, 2119-2138.	3.6	42
29	Association between work-related features and coronary artery disease: A heterogeneous hybrid feature selection integrated with balancing approach. <i>Pattern Recognition Letters</i> , 2020, 133, 33-40.	4.2	72
30	Novel Methodology for Cardiac Arrhythmias Classification Based on Long-Duration ECG Signal Fragments Analysis. <i>Series in Bioengineering</i> , 2020, , 225-272.	0.6	11
31	A new machine learning technique for an accurate diagnosis of coronary artery disease. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 179, 104992.	4.7	192
32	Automated arrhythmia detection using novel hexadecimal local pattern and multilevel wavelet transform with ECG signals. <i>Knowledge-Based Systems</i> , 2019, 186, 104923.	7.1	164
33	Application of new deep genetic cascade ensemble of SVM classifiers to predict the Australian credit scoring. <i>Applied Soft Computing Journal</i> , 2019, 84, 105740.	7.2	106
34	Face Recognition with Triangular Fuzzy Set-Based Local Cross Patterns in Wavelet Domain. <i>Symmetry</i> , 2019, 11, 787.	2.2	14
35	IAPSO-AIRS: A novel improved machine learning-based system for wart disease treatment. <i>Journal of Medical Systems</i> , 2019, 43, 220.	3.6	40
36	Improved Reference Image Encryption Methods Based on 2 K Correction in the Integer Wavelet Domain. <i>International Journal of Applied Mathematics and Computer Science</i> , 2019, 29, 817-829.	1.5	11

#	ARTICLE	IF	CITATIONS
37	Towards Real-Time Heartbeat Classification: Evaluation of Nonlinear Morphological Features and Voting Method. <i>Sensors</i> , 2019, 19, 5079.	3.8	41
38	A novel machine learning approach for early detection of hepatocellular carcinoma patients. <i>Cognitive Systems Research</i> , 2019, 54, 116-127.	2.7	88
39	Novel genetic ensembles of classifiers applied to myocardium dysfunction recognition based on ECG signals. <i>Swarm and Evolutionary Computation</i> , 2018, 39, 192-208.	8.1	122
40	Novel methodology of cardiac health recognition based on ECG signals and evolutionary-neural system. <i>Expert Systems With Applications</i> , 2018, 92, 334-349.	7.6	193
41	Application of Computational Intelligence Methods for the Automated Identification of Paper-Ink Samples Based on LIBS. <i>Sensors</i> , 2018, 18, 3670.	3.8	29
42	Arrhythmia detection using deep convolutional neural network with long duration ECG signals. <i>Computers in Biology and Medicine</i> , 2018, 102, 411-420.	7.0	555
43	Person recognition based on touch screen gestures using computational intelligence methods. <i>Information Sciences</i> , 2017, 415-416, 70-84.	6.9	41
44	Hand Body Language Gesture Recognition Based on Signals From Specialized Glove and Machine Learning Algorithms. <i>IEEE Transactions on Industrial Informatics</i> , 2016, 12, 1104-1113.	11.3	90
45	Comparison of computational intelligence methods on the example of phenol approximation based on signals from metal oxide sensor array. <i>IEEE Sensors Journal</i> , 2014, , 1-1.	4.7	7
46	Approximation of phenol concentration using novel hybrid computational intelligence methods. <i>International Journal of Applied Mathematics and Computer Science</i> , 2014, 24, 165-181.	1.5	33
47	Classification of tea specimens using novel hybrid artificial intelligence methods. <i>Sensors and Actuators B: Chemical</i> , 2014, 192, 117-125.	7.8	35
48	An estimation of the state of consumption of a positive displacement pump based on dynamic pressure or vibrations using neural networks. <i>Neurocomputing</i> , 2014, 144, 471-483.	5.9	27
49	Comparison of Artificial Intelligence Methods on the Example of Tea Classification Based on Signals from E-nose Sensors. <i>Advances in Signal Processing</i> , 2013, 1, 19-32.	0.1	5