

Analysis of EEG records in an epileptic patient using wa

Journal of Neuroscience Methods

123, 69-87

DOI: 10.1016/s0165-0270(02)00340-0

Citation Report

#	ARTICLE	IF	CITATIONS
1	Desynchronisation of spontaneously recurrent experimental seizures proceeds with a single rhythm. Neuroscience, 2003, 121, 705-717.	2.3	18
2	The Timeâ€Frequency Structure of the Spikeâ€Wave Discharges in Genetic Absence Epilepsy. Doklady Biological Sciences, 2004, 396, 194-197.	0.6	6
3	A simple wavelet-based test for evoked responses. Journal of Neuroscience Methods, 2004, 138, 157-164.	2.5	4
4	Automatic recognition of alertness level by using wavelet transform and artificial neural network. Journal of Neuroscience Methods, 2004, 139, 231-240.	2.5	136
5	Quantitative visualization of ictal subdural EEG changes in children with neocortical focal seizures. Clinical Neurophysiology, 2004, 115, 2718-2727.	1.5	22
6	Alzheimer's disease and models of computation: Imaging, classification, and neural models. Journal of Alzheimer's Disease, 2005, 7, 187-199.	2.6	110
7	Decomposing rhythmic hippocampal data to obtain neuronal correlates. Journal of Neuroscience Methods, 2005, 147, 99-113.	2.5	3
8	Automatic seizure detection in EEG using logistic regression and artificial neural network. Journal of Neuroscience Methods, 2005, 148, 167-176.	2.5	136
9	Automatic recognition of alertness level from EEG by using neural network and wavelet coefficients. Expert Systems With Applications, 2005, 28, 701-711.	7.6	233
10	Classification of EEG signals using neural network and logistic regression. Computer Methods and Programs in Biomedicine, 2005, 78, 87-99.	4.7	453
11	Adaptive neuro-fuzzy inference system for classification of EEG signals using wavelet coefficients. Journal of Neuroscience Methods, 2005, 148, 113-121.	2.5	539
12	Epileptic seizure detection using dynamic wavelet network. Expert Systems With Applications, 2005, 29, 343-355.	7.6	153
13	Automatic recognition of vigilance state by using a wavelet-based artificial neural network. Neural Computing and Applications, 2005, 14, 45-55.	5.6	37
15	Alzheimer's Disease: Models of Computation and Analysis of EEGs. Clinical EEG and Neuroscience, 2005, 36, 131-140.	1.7	127
16	Comparison of MUSIC and AR methods in diagnosis of epilepsy. , 0, , .		0
17	Wavelet-Hybrid Feedback Linear Mean Squared Algorithm for Robust Control of Cable-Stayed Bridges. Journal of Bridge Engineering, 2005, 10, 116-123.	2.9	76
18	Epileptic Seizure Detection Using Neural Fuzzy Networks. , 2006, , .		66
19	Wavelet Filtering of the P300 Component in Event-Related Potentials. , 2006, 2006, 1719-22.		18

#	ARTICLE	IF	CITATIONS
20	Reference signal extraction from corrupted ECG using wavelet decomposition for MRI sequence triggering: application to small animals. BioMedical Engineering OnLine, 2006, 5, 11.	2.7	27
21	EEG Signal Classification Using Wavelet Feature Extraction and Neural Networks. , 2006, , .		188
22	Independent Component Analysis and Time-Frequency Method for Noisy EEG Signal Analysis. , 2006, , .		1
23	Voxel-based morphometry in Alzheimer's patients. Journal of Alzheimer's Disease, 2006, 10, 445-447.	2.6	13
24	Automatic detection of epileptic seizure using time-frequency distributions. , 2006, , 29.		17
25	Comparison of subspace-based methods with AR parametric methods in epileptic seizure detection. Computers in Biology and Medicine, 2006, 36, 195-208.	7.0	49
26	Automatic detection of epileptic seizure using dynamic fuzzy neural networks. Expert Systems With Applications, 2006, 31, 320-328.	7.6	145
27	Temporal structure of neuronal population oscillations with empirical model decomposition. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 356, 237-241.	2.1	46
28	A wavelet based method for automatic detection of slow eye movements: A pilot study. Medical Engineering and Physics, 2006, 28, 860-875.	1.7	35
29	Comparison of AR and Welch Methods in Epileptic Seizure Detection. Journal of Medical Systems, 2006, 30, 413-419.	3.6	62
30	Timeâ€“frequency analysis of spike-wave discharges using a modified wavelet transform. Journal of Neuroscience Methods, 2006, 154, 80-88.	2.5	40
31	EEG Analysis of Alcoholics and Controls Based on Feature Extraction. , 2006, , .		36
32	Study on a quantitative electroencephalography power spectrum typical of Chinese Han Alzheimer's disease patients by using wavelet transforms. Journal of Neural Engineering, 2006, 3, 71-77.	3.5	10
33	Automatic Recognition of Epilepsy from EEG using Artificial Neural Network and Discrete Wavelet Transform. , 2007, , .		1
34	NONNEGATIVE TENSOR FACTORIZATION FOR CONTINUOUS EEG CLASSIFICATION. International Journal of Neural Systems, 2007, 17, 305-317.	5.2	101
35	Automatic Seizure Detection Based on Time-Frequency Analysis and Artificial Neural Networks. Computational Intelligence and Neuroscience, 2007, 2007, 1-13.	1.7	358
36	Latency Corrected Wavelet Filtering of the P300 Event-Related Potential in Young and Old Adults. , 2007, , .		2
37	Modified Mixture of Experts for Analysis of EEG Signals. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 1546-9.	0.5	4

#	ARTICLE	IF	CITATIONS
38	The Research of EEG Analysis Methods Based on Sounds of Different Frequency. , 2007, , .		7
39	Analysis of Seizure EEG in Kindled Epileptic Rats. Computational and Mathematical Methods in Medicine, 2007, 8, 225-234.	1.3	6
40	Genetic Algorithm for Selection of Best Feature and Window Length for a Discriminate Pre-seizure and Normal State Classification. Proc Int Symp Image Signal Process Anal, 2007, , .	0.0	0
41	Manifold Learning Applied on EEG Signal of the Epileptic Patients for Detection of Normal and Pre-Seizure States. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5489-92.	0.5	12
42	Automatic Identification of Spike-Wave Events and Non-Convulsive Seizures with a Reduced Set of Electrodes. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 1928-31.	0.5	12
43	Data Mining an EEG Dataset With an Emphasis on Dimensionality Reduction. , 2007, , .		13
44	A Time-Frequency Based Method for the Detection of Epileptic Seizures in EEG Recordings. Proceedings of the IEEE Symposium on Computer-Based Medical Systems, 2007, , .	0.0	11
45	Estimation of individual evoked potential components using iterative independent component analysis. Physics in Medicine and Biology, 2007, 52, 5353-5368.	3.0	18
46	Selection of optimal AR spectral estimation method for EEG signals using Cramerâ€Rao bound. Computers in Biology and Medicine, 2007, 37, 183-194.	7.0	20
47	Application of adaptive neuro-fuzzy inference system for epileptic seizure detection using wavelet feature extraction. Computers in Biology and Medicine, 2007, 37, 227-244.	7.0	166
48	Application of wavelet-based similarity analysis to epileptic seizures prediction. Computers in Biology and Medicine, 2007, 37, 430-437.	7.0	36
49	A spike detection method in EEG based on improved morphological filter. Computers in Biology and Medicine, 2007, 37, 1647-1652.	7.0	41
50	An automatic analysis method for detecting and eliminating ECG artifacts in EEG. Computers in Biology and Medicine, 2007, 37, 1660-1671.	7.0	78
51	Classification of epileptiform EEG using a hybrid system based on decision tree classifier and fast Fourier transform. Applied Mathematics and Computation, 2007, 187, 1017-1026.	2.2	629
52	EEG signal classification using wavelet feature extraction and a mixture of expert model. Expert Systems With Applications, 2007, 32, 1084-1093.	7.6	956
53	Features extracted by eigenvector methods for detecting variability of EEG signals. Pattern Recognition Letters, 2007, 28, 592-603.	4.2	66
54	Machine learning in the life sciences. IEEE Engineering in Medicine and Biology Magazine, 2007, 26, 14-16.	0.8	8
55	Epileptic seizure detection. IEEE Engineering in Medicine and Biology Magazine, 2007, 26, 74-81.	0.8	54

#	ARTICLE	IF	CITATIONS
56	Multiclass Support Vector Machines for EEG-Signals Classification. IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 117-126.	3.2	319
57	A Wavelet-Chaos Methodology for Analysis of EEGs and EEG Subbands to Detect Seizure and Epilepsy. IEEE Transactions on Biomedical Engineering, 2007, 54, 205-211.	4.2	591
58	Mixed-Band Wavelet-Chaos-Neural Network Methodology for Epilepsy and Epileptic Seizure Detection. IEEE Transactions on Biomedical Engineering, 2007, 54, 1545-1551.	4.2	419
59	Selection of relevant features for EEG signal classification of schizophrenic patients. Biomedical Signal Processing and Control, 2007, 2, 122-134.	5.7	68
60	Measuring Average Particle Size for Fluidized Bed Reactors by Employing Acoustic Emission Signals and Neural Networks. Chemical Engineering and Technology, 2008, 31, 95-102.	1.5	17
61	Implementing eigenvector methods/probabilistic neural networks for analysis of EEG signals. Neural Networks, 2008, 21, 1410-1417.	5.9	19
62	Optimal classification of epileptic seizures in EEG using wavelet analysis and genetic algorithm. Signal Processing, 2008, 88, 1858-1867.	3.7	151
63	Wavelet filtering before spike detection preserves waveform shape and enhances single-unit discrimination. Journal of Neuroscience Methods, 2008, 173, 34-40.	2.5	87
64	A novel data reduction method: Distance based data reduction and its application to classification of epileptiform EEG signals. Applied Mathematics and Computation, 2008, 200, 10-27.	2.2	27
65	Wavelet transform feature extraction from human PPG, ECG, and EEG signal responses to ELF PEMF exposures: A pilot study. , 2008, 18, 861-874.		183
66	Analysis of EEG signals by combining eigenvector methods and multiclass support vector machines. Computers in Biology and Medicine, 2008, 38, 14-22.	7.0	116
67	Applications of parametric spectral estimation methods on detection of power system harmonics. Electric Power Systems Research, 2008, 78, 683-693.	3.6	52
68	Chelatable zinc modulates excitability and seizure duration in the amygdala rapid kindling model. Epilepsy Research, 2008, 79, 166-172.	1.6	42
69	Wavelet/mixture of experts network structure for EEG signals classification. Expert Systems With Applications, 2008, 34, 1954-1962.	7.6	110
70	Artificial immune recognition system with fuzzy resource allocation mechanism classifier, principal component analysis and FFT method based new hybrid automated identification system for classification of EEG signals. Expert Systems With Applications, 2008, 34, 2039-2048.	7.6	110
71	Neuronal population oscillations of rat hippocampus during epileptic seizures. Neural Networks, 2008, 21, 1105-1111.	5.9	17
72	Epileptic Seizure Detection Using Empirical Mode Decomposition. , 2008, , .		27
73	Automated seizure onset detection for accurate onset time determination in intracranial EEG. Clinical Neurophysiology, 2008, 119, 2687-2696.	1.5	55

#	ARTICLE	IF	CITATIONS
74	Principal Component Analysis-Enhanced Cosine Radial Basis Function Neural Network for Robust Epilepsy and Seizure Detection. IEEE Transactions on Biomedical Engineering, 2008, 55, 512-518.	4.2	427
75	A spatio-temporal wavelet-chaos methodology for EEG-based diagnosis of Alzheimer's disease. Neuroscience Letters, 2008, 444, 190-194.	2.1	190
76	A comparison of PCA, ICA and LDA in EEG signal classification using SVM. , 2008, , .		6
77	Intelligent identification and classification of epileptic seizures using wavelet transform. International Journal of Biomedical Engineering and Technology, 2008, 1, 293.	0.2	6
78	Foveal evoked magneto-encephalography features related to the parvocellular pathway. Visual Neuroscience, 2008, 25, 179-185.	1.0	1
79	Some Highlights on Epileptic EEG Processing. Recent Patents on Biomedical Engineering, 2009, 2, 48-57.	0.5	5
80	Multiresolution Wavelet Analysis of the Dynamics of a Cracked Rotor. International Journal of Rotating Machinery, 2009, 2009, 1-8.	0.8	21
81	Epileptic Seizures Detection Using Continuous Time Wavelet Based Artificial Neural Networks. , 2009, , .		6
82	Effect of EEG with the Acupuncture of Neiguan and Shenmen. , 2009, , .		0
83	Estimation of alertness level by using wavelet transform method and entropy. , 2009, , .		0
84	Automatic recognition of epileptic seizure in EEG via support vector machine and dimension fractal. , 2009, , .		11
85	Classification of Motor Imagery EEG Signals Based on STFTs. , 2009, , .		7
86	CONTROL OF SYNCHRONIZATION OF BRAIN DYNAMICS LEADS TO CONTROL OF EPILEPTIC SEIZURES IN RODENTS. International Journal of Neural Systems, 2009, 19, 173-196.	5.2	133
87	Non-negative matrix factorization Vs. FastICA on mismatch negativity of children. , 2009, , .		6
88	DEEP BRAIN STIMULATION FOR THE TREATMENT OF EPILEPSY. International Journal of Neural Systems, 2009, 19, 213-226.	5.2	105
89	TREATING EPILEPSY VIA ADAPTIVE NEUROSTIMULATION: A REINFORCEMENT LEARNING APPROACH. International Journal of Neural Systems, 2009, 19, 227-240.	5.2	67
90	A wavelet based method for detecting and localizing epileptic neural spikes in EEG. , 2009, , .		2
91	Computer aided detection of microcalcifications in digital mammograms adopting a wavelet decomposition. Integrated Computer-Aided Engineering, 2009, 16, 91-103.	4.6	42

#	ARTICLE	IF	CITATIONS
92	A Linear Discrimination Method Used in Motor Imagery EEG Classification. , 2009, , .		9
93	Epileptic Spike Recognition in Electroencephalogram Using Deterministic Finite Automata. Journal of Medical Systems, 2009, 33, 173-179.	3.6	13
94	Wavelet-Based Generation of Energy and Spectrum-Compatible Earthquake Time Histories. Computer-Aided Civil and Infrastructure Engineering, 2009, 24, 623-630.	9.8	13
95	Crack Detection and Quantification in Beams Using Wavelets. Computer-Aided Civil and Infrastructure Engineering, 2009, 24, 593-607.	9.8	57
96	Probabilistic neural networks combined with wavelet coefficients for analysis of electroencephalogram signals. Expert Systems, 2009, 26, 147-159.	4.5	26
97	Measuring saliency of features representing EEG signals using signal-to-noise ratios. Expert Systems With Applications, 2009, 36, 501-509.	7.6	8
98	Decision support systems for time-varying biomedical signals: EEG signals classification. Expert Systems With Applications, 2009, 36, 2275-2284.	7.6	44
99	Automatic detection of epileptic seizures in EEG using discrete wavelet transform and approximate entropy. Expert Systems With Applications, 2009, 36, 2027-2036.	7.6	676
100	Application of adaptive neuro-fuzzy inference system for vigilance level estimation by using wavelet-entropy feature extraction. Expert Systems With Applications, 2009, 36, 7390-7399.	7.6	75
101	Fuzzy support vector machine for classification of EEG signals using wavelet-based features. Medical Engineering and Physics, 2009, 31, 858-865.	1.7	120
102	Analysis of spike-wave discharges in rats using discrete wavelet transform. Computers in Biology and Medicine, 2009, 39, 294-300.	7.0	13
103	Statistics over features: EEG signals analysis. Computers in Biology and Medicine, 2009, 39, 733-741.	7.0	96
104	Seizure characterisation using frequency-dependent multivariate dynamics. Computers in Biology and Medicine, 2009, 39, 760-767.	7.0	9
105	A wavelet-based energetic approach for the analysis of biomedical signals: Application to the electroencephalogram and electro-oculogram. Applied Mathematics and Computation, 2009, 207, 42-62.	2.2	58
106	Analysis of EEG signals by implementing eigenvector methods/recurrent neural networks. , 2009, 19, 134-143.		70
107	Classification of EEG signals using relative wavelet energy and artificial neural networks. , 2009, , .		126
108	Simultaneous recording of brain activity and functional connectivity in the mouse brain. , 2009, 2009, 2934-6.		6
109	MODELING OF GLUTAMATE-INDUCED DYNAMICAL PATTERNS. International Journal of Neural Systems, 2009, 19, 395-407.	5.2	12

#	ARTICLE	IF	CITATIONS
110	Classification of Motor Imagery EEG Signals Based on Energy Entropy. , 2009, , .		19
111	Classifying Detection of Epileptic EEG Based on Approximate Entropy in Wavelet Domain. , 2009, , .		6
112	Classification of EEG signals using Dempster Shafer theory and a k-nearest neighbor classifier. , 2009, , .		53
113	Implicit emotional tagging of multimedia using EEG signals and brain computer interface. , 2009, , .		45
114	A Simple Quantitative Method for Analyzing Electrographic Status Epilepticus in Rats. Journal of Neurophysiology, 2009, 101, 1660-1670.	1.8	52
115	A Multistage System for the Automated Detection of Epileptic Seizures in Neonatal Electroencephalography. Journal of Clinical Neurophysiology, 2009, 26, 218-226.	1.7	79
116	Fractality and a Wavelet-Chaos-Neural Network Methodology for EEG-Based Diagnosis of Autistic Spectrum Disorder. Journal of Clinical Neurophysiology, 2010, 27, 328-333.	1.7	240
117	Time-varying parametric modelling and time-dependent spectral characterisation with applications to EEG signals using multiwavelets. International Journal of Modelling, Identification and Control, 2010, 9, 215.	0.2	36
118	Imagined wrist movement classification in single trial EEG for brain computer interface using wavelet packet. International Journal of Biomedical Engineering and Technology, 2010, 4, 169.	0.2	8
119	New diagnostic EEG markers of the Alzheimer's disease using visibility graph. Journal of Neural Transmission, 2010, 117, 1099-1109.	2.8	272
120	Feature extraction and recognition of epileptiform activity in EEG by combining PCA with ApEn. Cognitive Neurodynamics, 2010, 4, 233-240.	4.0	47
121	Seizure Detection in Temporal Lobe Epileptic EEGs Using the Best Basis Wavelet Functions. Journal of Medical Systems, 2010, 34, 755-765.	3.6	17
122	Toward Emotion Aware Computing: An Integrated Approach Using Multichannel Neurophysiological Recordings and Affective Visual Stimuli. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 589-597.	3.2	197
123	Automatic epileptic seizure detection in EEGs based on line length feature and artificial neural networks. Journal of Neuroscience Methods, 2010, 191, 101-109.	2.5	360
124	An algorithm for real-time detection of spike-wave discharges in rodents. Journal of Neuroscience Methods, 2010, 194, 172-178.	2.5	83
125	Lyapunov exponents/probabilistic neural networks for analysis of EEG signals. Expert Systems With Applications, 2010, 37, 985-992.	7.6	116
126	Expert model for detection of epileptic activity in EEG signature. Expert Systems With Applications, 2010, 37, 3513-3520.	7.6	118
127	Detection of seizures in EEG using subband nonlinear parameters and genetic algorithm. Computers in Biology and Medicine, 2010, 40, 823-830.	7.0	69



#	ARTICLE	IF	CITATIONS
128	An automatic patient-specific seizure onset detection method in intracranial EEG based on incremental nonlinear dimensionality reduction. Computers in Biology and Medicine, 2010, 40, 889-899.	7.0	23
129	Adaptive neuro-fuzzy inference system employing wavelet coefficients for detection of alterations in sleep EEG activity during hypopnoea episodes. , 2010, 20, 678-691.		28
130	Least squares support vector machine employing model-based methods coefficients for analysis of EEG signals. Expert Systems With Applications, 2010, 37, 233-239.	7.6	156
131	Analysis of sleep EEG activity during hypopnoea episodes by least squares support vector machine employing AR coefficients. Expert Systems With Applications, 2010, 37, 4463-4467.	7.6	11
132	EEG signal classification using PCA, ICA, LDA and support vector machines. Expert Systems With Applications, 2010, 37, 8659-8666.	7.6	1,048
133	Beamlet Transform-Based Technique for Pavement Crack Detection and Classification. Computer-Aided Civil and Infrastructure Engineering, 2010, 25, 572-580.	9.8	140
134	An EEG feature-based diagnosis model for epilepsy. , 2010, , .		0
135	Biological Mechanism of the Locust Jumping Robot. , 2010, , .		2
136	Comparison of phase synchrony information flow in human EEG through wavelet phase synchronization analysis. , 2010, , .		2
137	IDENTIFICATION OF NONLINEAR OSCILLATORY ACTIVITY EMBEDDED IN BROADBAND NEURAL SIGNALS. International Journal of Neural Systems, 2010, 20, 117-128.	5.2	19
138	SINGLE-TRIAL BASED INDEPENDENT COMPONENT ANALYSIS ON MISMATCH NEGATIVITY IN CHILDREN. International Journal of Neural Systems, 2010, 20, 279-292.	5.2	33
139	VIGILANCE ANALYSIS BASED ON EEG SIGNALS: SEEKING FOR SUITABLE FEATURES. Journal of Biological Systems, 2010, 18, 81-99.	1.4	2
140	Wavelet-Synchronization Methodology: A New Approach for EEG-Based Diagnosis of ADHD. Clinical EEG and Neuroscience, 2010, 41, 1-10.	1.7	197
141	An efficient fingerprint image compression technique based on wave atoms decomposition and multistage vector quantization. Integrated Computer-Aided Engineering, 2010, 17, 29-40.	4.6	18
142	EPILEPTIC SPIKE DETECTION USING CONTINUOUS WAVELET TRANSFORMS AND ARTIFICIAL NEURAL NETWORKS. International Journal of Wavelets, Multiresolution and Information Processing, 2010, 08, 33-48.	1.3	19
143	Low-power DWT-based quasi-averaging algorithm and architecture for epileptic seizure detection. , 2010, , .		13
144	ANALYSIS AND AUTOMATIC IDENTIFICATION OF SLEEP STAGES USING HIGHER ORDER SPECTRA. International Journal of Neural Systems, 2010, 20, 509-521.	5.2	145
145	AUTOMATIC IDENTIFICATION OF EPILEPTIC AND BACKGROUND EEG SIGNALS USING FREQUENCY DOMAIN PARAMETERS. International Journal of Neural Systems, 2010, 20, 159-176.	5.2	145

#	ARTICLE	IF	CITATIONS
146	Epileptic seizure detection in grouped multi-channel EEG signal using ICA and wavelet transform. , 2010, , .		2
147	Feature extraction of EEG based on data reduction. , 2010, , .		1
148	Analysis and classification of EEG signals using a hybrid clustering technique. , 2010, , .		24
149	A new dissimilarity index of EEG signals for epileptic seizure detection. , 2010, , .		8
150	Classification of EEG signal using wavelet transform and support vector machine for epileptic seizure diction. , 2010, , .		104
151	EEG signatures of auditory activity correlate with simultaneously recorded fMRI responses in humans. NeuroImage, 2010, 49, 849-864.	4.2	75
152	EEG analysis based on wavelet-spectral entropy for epileptic seizures detection. , 2010, , .		26
153	Spectral Entropy for Epileptic Seizures Detection. , 2010, , .		7
154	Multifeature Analysis in Motor Imagery EEG Classification. , 2010, , .		1
155	Comparison of artificial neural network and support vector machine classification methods in diagnosis of migraine by using EEG. , 2010, , .		2
156	Classification of EEG signals for epileptic seizure evaluation. , 2010, , .		1
157	Motor imagery ECoG signals classification using wavelet transform features. , 2010, , .		2
158	The classification of alertness level from EEG signals by using TMS320C6713 DSK and MATLAB. , 2010, , .		0
159	APPLICATION OF RECURRENCE QUANTIFICATION ANALYSIS FOR THE AUTOMATED IDENTIFICATION OF EPILEPTIC EEG SIGNALS. International Journal of Neural Systems, 2011, 21, 199-211.	5.2	271
160	Feature extraction based on common spatial analysis for time domain parameters. , 2011, , .		1
161	Understanding the neural mechanism of sleep using wavelets and multifractal techniques. , 2011, , .		1
162	Fuzzy Synchronization Likelihood with Application to Attention-Deficit/Hyperactivity Disorder. Clinical EEG and Neuroscience, 2011, 42, 6-13.	1.7	125
163	Regularization and kernel parameters optimization based on PSO algorithm in EEG signals classification with SVM. , 2011, , .		7

#	ARTICLE	IF	CITATIONS
164	Features and Futures: Seizure Detection in Partial Epilepsies. Neurosurgery Clinics of North America, 2011, 22, 507-518.	1.7	3
165	Feature extraction of motor imagery EEG signals based on wavelet packet decomposition. , 2011, , .		35
166	AUTOMATIC DETECTION OF EPILEPTIC EEG SIGNALS USING HIGHER ORDER CUMULANT FEATURES. International Journal of Neural Systems, 2011, 21, 403-414.	5.2	170
167	Functional community analysis of brain: A new approach for EEG-based investigation of the brain pathology. Neurolmage, 2011, 58, 401-408.	4.2	154
168	Seizure detection in EEG using time frequency analysis and SVM. , 2011, , .		22
169	Histogram correlation based classifier fusion for object tracking. , 2011, , .		1
170	Discrimination of Epileptic Events Using EEG Rhythm Decomposition. Lecture Notes in Computer Science, 2011, , 436-444.	1.3	2
171	Intrahemispheric, interhemispheric, and distal EEG coherence in Alzheimer's disease. Clinical Neurophysiology, 2011, 122, 897-906.	1.5	206
172	Research on EEG Features Extraction Based on Clique. Procedia Environmental Sciences, 2011, 10, 1333-1337.	1.4	0
173	Epilepsy diagnosis using probability density functions of EEG signals. , 2011, , .		14
174	A decision support system for EEG signals based on adaptive fuzzy inference neural networks. Journal of Computational Methods in Sciences and Engineering, 2011, 11, 209-225.	0.2	7
175	Single-Trial Normalization for Event-Related Spectral Decomposition Reduces Sensitivity to Noisy Trials. Frontiers in Psychology, 2011, 2, 236.	2.1	248
176	Neuromodulation in Epilepsy. Neurosurgery, 2011, 69, 957-979.	1.1	64
177	EEG CHANGES AS HEAT STRESS REACTIONS IN RATS IRRADIATED BY HIGH INTENSITY 35 GHz MILLIMETER WAVES. Health Physics, 2011, 100, 632-640.	0.5	5
178	Scientific & Editorial Board. Neuroradiology Journal, 2011, 24, 6-10.	1.2	0
179	Wrist movement discrimination in single-trial EEG for Brain Computer Interface using band powers. International Journal of Biomedical Engineering and Technology, 2011, 6, 272.	0.2	11
180	A comparative study of wavelet families for EEG signal classification. Neurocomputing, 2011, 74, 3051-3057.	5.9	260
181	EPILAB: A software package for studies on the prediction of epileptic seizures. Journal of Neuroscience Methods, 2011, 200, 257-271.	2.5	78

#	ARTICLE	IF	CITATIONS
182	Smart structures: Part II – Hybrid control systems and control strategies. Scientia Iranica, 2011, 18, 285-295.	0.4	128
183	Directed Differential Connectivity Graph of Interictal Epileptiform Discharges. IEEE Transactions on Biomedical Engineering, 2011, 58, 884-893.	4.2	22
184	Clustering technique-based least square support vector machine for EEG signal classification. Computer Methods and Programs in Biomedicine, 2011, 104, 358-372.	4.7	206
185	Analysis of normal and epileptic seizure EEG signals using empirical mode decomposition. Computer Methods and Programs in Biomedicine, 2011, 104, 373-381.	4.7	201
186	Parallel Algorithm to Analyze the Brain Signals: Application on Epileptic Spikes. Journal of Medical Systems, 2011, 35, 93-104.	3.6	6
187	Analysis of EEG Signals Under Flash Stimulation for Migraine and Epileptic Patients. Journal of Medical Systems, 2011, 35, 437-443.	3.6	29
188	Automatic feature extraction using genetic programming: An application to epileptic EEG classification. Expert Systems With Applications, 2011, 38, 10425-10436.	7.6	222
189	Best basis-based wavelet packet entropy feature extraction and hierarchical EEG classification for epileptic detection. Expert Systems With Applications, 2011, 38, 14314-14314.	7.6	206
190	HeartSaver: A mobile cardiac monitoring system for auto-detection of atrial fibrillation, myocardial infarction, and atrio-ventricular block. Computers in Biology and Medicine, 2011, 41, 211-220.	7.0	60
191	DFAspike: A new computational proposition for efficient recognition of epileptic spike in EEG. Computers in Biology and Medicine, 2011, 41, 559-564.	7.0	11
192	EEG signals classification using the K-means clustering and a multilayer perceptron neural network model. Expert Systems With Applications, 2011, 38, 13475-13481.	7.6	533
193	Time-varying model identification for time-frequency feature extraction from EEG data. Journal of Neuroscience Methods, 2011, 196, 151-158.	2.5	36
194	Understanding the physical mechanism of transition to epileptic seizures. Journal of Neuroscience Methods, 2011, 200, 80-85.	2.5	6
195	Multimodal person independent recognition of workload related biosignal patterns. , 2011, , .		11
196	Multiscale fractal dimension technique for characterization and analysis of biomedical signals. , 2011, , .		4
197	Epileptic seizure detection using GARCH model on EEG signals. , 2011, , .		2
198	Analysis on subtracting projection of extracted independent components from EEG recordings. Biomedizinische Technik, 2011, 56, 223-234.	0.8	18
199	EEG signal classification based on simple random sampling technique with least square support vector machine. International Journal of Biomedical Engineering and Technology, 2011, 7, 390.	0.2	50

#	ARTICLE	IF	CITATIONS
200	CLOSED-LOOP SEIZURE CONTROL WITH VERY HIGH FREQUENCY ELECTRICAL STIMULATION AT SEIZURE ONSET IN THE GAERS MODEL OF ABSENCE EPILEPSY. International Journal of Neural Systems, 2011, 21, 163-173.	5.2	54
201	Seizure detection using wavelet transform and a new statistical feature. , 2011, , .		7
202	INFORMATION QUANTIFICATION OF EMPIRICAL MODE DECOMPOSITION AND APPLICATIONS TO FIELD POTENTIALS. International Journal of Neural Systems, 2011, 21, 49-63.	5.2	8
203	CONTINUOUS EEG SIGNAL ANALYSIS FOR ASYNCHRONOUS BCI APPLICATION. International Journal of Neural Systems, 2011, 21, 335-350.	5.2	75
204	ABNORMAL INTERICTAL GAMMA ACTIVITY MAY MANIFEST A SEIZURE ONSET ZONE IN TEMPORAL LOBE EPILEPSY. International Journal of Neural Systems, 2011, 21, 103-114.	5.2	49
205	FINITE DIMENSIONAL STRUCTURE OF THE GPI DISCHARGE IN PATIENTS WITH PARKINSON'S DISEASE. International Journal of Neural Systems, 2011, 21, 175-186.	5.2	15
206	APPLICATION OF EMPIRICAL MODE DECOMPOSITION (EMD) FOR AUTOMATED DETECTION OF EPILEPSY USING EEG SIGNALS. International Journal of Neural Systems, 2012, 22, 1250027.	5.2	196
207	Wavelet Coherence Model for Diagnosis of Alzheimer Disease. Clinical EEG and Neuroscience, 2012, 43, 268-278.	1.7	117
208	EEG Classification Approach Based on the Extreme Learning Machine and Wavelet Transform. Clinical EEG and Neuroscience, 2012, 43, 127-132.	1.7	16
209	Low-Power Architecture for Epileptic Seizure Detection Based on Reduced Complexity DWT. ACM Journal on Emerging Technologies in Computing Systems, 2012, 8, 1-14.	2.3	2
210	Study of normal children Electroencephalography signals using Wavelet Transformation. , 2012, , .		3
211	APPLICATION OF NON-LINEAR AND WAVELET BASED FEATURES FOR THE AUTOMATED IDENTIFICATION OF EPILEPTIC EEG SIGNALS. International Journal of Neural Systems, 2012, 22, 1250002.	5.2	279
212	Optimal segments selection for EEG classification. , 2012, , .		6
213	Graph Theoretical Analysis of Organization of Functional Brain Networks in ADHD. Clinical EEG and Neuroscience, 2012, 43, 5-13.	1.7	148
214	ARTIFICIAL NEURAL NETWORK BASED APPROACH TO EEG SIGNAL SIMULATION. International Journal of Neural Systems, 2012, 22, 1250008.	5.2	18
215	Hand rotate EEG signal feature extraction by second order Daubechies wavelet transform (DWT). , 2012, , .		2
216	Immune clonal algorithm based feature selection for epileptic EEG signal classification. , 2012, , .		7
217	Evidence Theory-Based Approach for Epileptic Seizure Detection Using EEG Signals. , 2012, , .		5

#	ARTICLE	IF	CITATIONS
218	Discrete wavelet transform EEG features of Alzheimer'S disease in activated states. , 2012, 2012, 2937-40.		12
219	EEG Signal Classification Using Empirical Mode Decomposition and Support Vector Machine. Advances in Intelligent and Soft Computing, 2012, , 623-635.	0.2	31
220	Continuous Wavelet Transform EEG Features of Alzheimerâ€™s Disease. , 2012, , .		3
221	The Application of FPGA-based Discrete Wavelet Transform System in EEG Analysis. , 2012, , .		5
222	Evaluation of the modified S-transform for time-frequency synchrony analysis and source localisation. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.7	79
223	Linear Analysis of Epileptic Forms in the Electroencephalogram. Neurophysiology, 2012, 44, 474-478.	0.3	0
224	Classifying discrete interval densities of EEG signals by using DWT and SVM. , 2012, , .		2
225	Identification of working memory impairments in normal children using wavelet approach. , 2012, , .		6
226	Identifying protein quaternary structural attributes by incorporating physicochemical properties into the general form of Chou's PseAAC via discrete wavelet transform. Molecular BioSystems, 2012, 8, 3178.	2.9	83
227	Automatic detection of non-convulsive seizures using AR modeling. , 2012, , .		7
228	Automatic Detection of Childhood Absence Epilepsy Seizures: Toward a Monitoring Device. Pediatric Neurology, 2012, 46, 287-292.	2.1	27
229	Cluster-based spike detection algorithm adapts to interpatient and inpatient variation in spike morphology. Journal of Neuroscience Methods, 2012, 210, 259-265.	2.5	70
230	Fractality analysis of frontal brain in major depressive disorder. International Journal of Psychophysiology, 2012, 85, 206-211.	1.0	228
231	Medical decision support system for diagnosis of neuromuscular disorders using DWT and fuzzy support vector machines. Computers in Biology and Medicine, 2012, 42, 806-815.	7.0	85
232	Automatic feature extraction using generalised autoregressive conditional heteroscedasticity model: an application to electroencephalogram classification. IET Signal Processing, 2012, 6, 829-838.	1.5	14
233	Separation of Rhythms of EEG Signals Based on Hilbert-Huang Transformation with Application to Seizure Detection. Lecture Notes in Computer Science, 2012, , 493-500.	1.3	24
234	Classification of Seizure and Nonseizure EEG Signals Using Empirical Mode Decomposition. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 1135-1142.	3.2	407
235	Automatic Seizure Detection Using Wavelet Transform and SVM in Long-Term Intracranial EEG. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 749-755.	4.9	230

#	ARTICLE	IF	CITATIONS
236	On the Use of Wavelet Neural Networks in the Task of Epileptic Seizure Detection from Electroencephalography Signals. <i>Procedia Computer Science</i> , 2012, 11, 149-159.	2.0	18
237	Methodology for voice commands recognition using stochastic classifiers. , 2012, , .		2
238	BIOLOGICALLY INSPIRED FACE RECOGNITION: TOWARD POSE-INVARIANCE. <i>International Journal of Neural Systems</i> , 2012, 22, 1250029.	5.2	4
239	ANALYSIS OF ABSENCE SEIZURE GENERATION USING EEG SPATIAL-TEMPORAL REGULARITY MEASURES. <i>International Journal of Neural Systems</i> , 2012, 22, 1250024.	5.2	40
240	Machine Learning and Data Mining in Pattern Recognition. <i>Lecture Notes in Computer Science</i> , 2012, , .	1.3	12
241	Acidosis Differentially Modulates Inactivation in NaV1.2, NaV1.4, and NaV1.5 Channels. <i>Frontiers in Pharmacology</i> , 2012, 3, 109.	3.5	40
242	Automatic Detection of Seizure ONSET in Pediatric EEG. <i>International Journal of Embedded Systems and Applications</i> , 2012, 2, 81-89.	0.3	28
243	Energy Distribution of EEG Signal Components by Wavelet Transform. , 0, , .		27
244	Analysis of Repetitive Flash Stimulation Frequencies and Record Periods to Detect Migraine Using Artificial Neural Network. <i>Journal of Medical Systems</i> , 2012, 36, 925-931.	3.6	15
245	Epileptic Seizure Detection Using Probability Distribution Based On Equal Frequency Discretization. <i>Journal of Medical Systems</i> , 2012, 36, 2219-2224.	3.6	21
246	Discrete harmony search based expert model for epileptic seizure detection in electroencephalography. <i>Expert Systems With Applications</i> , 2012, 39, 4055-4062.	7.6	83
247	Use of principal component analysis for automatic classification of epileptic EEG activities in wavelet framework. <i>Expert Systems With Applications</i> , 2012, 39, 9072-9078.	7.6	180
248	Uncovering neural independent components from highly artifactual TMS-evoked EEG data. <i>Journal of Neuroscience Methods</i> , 2012, 209, 144-157.	2.5	49
249	Performance evaluation for epileptic electroencephalogram (EEG) detection by using Neymanâ€“Pearson criteria and a support vector machine. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 1602-1609.	2.6	18
250	Coherence and Phase Analysis of Theta Oscillations in the Septohippocampal System during Generation of Convulsive Activity. <i>Neuroscience and Behavioral Physiology</i> , 2013, 43, 214-218.	0.4	0
251	ROBUST NEONATAL EEG SEIZURE DETECTION THROUGH ADAPTIVE BACKGROUND MODELING. <i>International Journal of Neural Systems</i> , 2013, 23, 1350018.	5.2	57
252	AUTOMATED DIAGNOSIS OF EPILEPSY USING CWT, HOS AND TEXTURE PARAMETERS. <i>International Journal of Neural Systems</i> , 2013, 23, 1350009.	5.2	113
253	DESIGN OF ASSISTIVE WHEELCHAIR SYSTEM DIRECTLY STEERED BY HUMAN THOUGHTS. <i>International Journal of Neural Systems</i> , 2013, 23, 1350013.	5.2	90



#	ARTICLE	IF	CITATIONS
254	Investigation of EEG abnormalities in the early stage of Parkinson's disease. Cognitive Neurodynamics, 2013, 7, 351-359.	4.0	120
255	Wavelet-based sparse functional linear model with applications to EEGs seizure detection and epilepsy diagnosis. Medical and Biological Engineering and Computing, 2013, 51, 49-60.	2.8	91
256	Automatic sleep staging: A computer assisted approach for optimal combination of features and polysomnographic channels. Expert Systems With Applications, 2013, 40, 7046-7059.	7.6	107
257	Epileptic Seizure Identification from Electroencephalography Signal Using DE-RBFNs Ensemble. Procedia Computer Science, 2013, 23, 84-95.	2.0	20
258	Inter-Trial Analysis of Post-Movement Beta Activities in EEG Signals Using Multivariate Empirical Mode Decomposition. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2013, 21, 607-615.	4.9	14
259	Epileptic Seizure Detection Using Lacunarity and Bayesian Linear Discriminant Analysis in Intracranial EEG. IEEE Transactions on Biomedical Engineering, 2013, 60, 3375-3381.	4.2	126
260	Fractal Dimension in Epileptic EEG Signal Analysis. Understanding Complex Systems, 2013, , 103-157.	0.6	4
261	Brain-computer interface technologies: from signal to action. Reviews in the Neurosciences, 2013, 24, 537-52.	2.9	169
262	Effective seizure detection through the fusion of single-feature enhanced-k-NN classifiers of EEG signals. , 2013, , .		0
263	Adaptive energy-aware encoding for DWT-based wireless EEG tele-monitoring system. , 2013, , .		7
264	A unified approach for detection of induced epileptic seizures in rats using ECoG signals. Epilepsy and Behavior, 2013, 27, 355-364.	1.7	23
265	Functional connectivity network based on graph analysis of scalp EEG for epileptic classification. , 2013, , .		16
266	Effective implementation of time-frequency matched filter with adapted pre and postprocessing for data-dependent detection of newborn seizures. Medical Engineering and Physics, 2013, 35, 1762-1769.	1.7	14
267	EFFICIENT AUTOMATIC SELECTION AND COMBINATION OF EEG FEATURES IN LEAST SQUARES CLASSIFIERS FOR MOTOR IMAGERY BRAIN-COMPUTER INTERFACES. International Journal of Neural Systems, 2013, 23, 1350015.	5.2	50
268	Automated EEG analysis of epilepsy: A review. Knowledge-Based Systems, 2013, 45, 147-165.	7.1	588
269	Identification of Resting and Active State EEG Features of Alzheimer's Disease using Discrete Wavelet Transform. Annals of Biomedical Engineering, 2013, 41, 1243-1257.	2.5	46
270	Multiple classifier system for EEG signal classification with application to brain-computer interfaces. Neural Computing and Applications, 2013, 23, 1319-1327.	5.6	67
271	Automatic recognition of epileptic EEG patterns via Extreme Learning Machine and multiresolution feature extraction. Expert Systems With Applications, 2013, 40, 5477-5489.	7.6	64



#	ARTICLE	IF	CITATIONS
272	EEG classification using support vector machine. , 2013, , .		11
273	Serial identification of EEG patterns using adaptive wavelet-based analysis. European Physical Journal: Special Topics, 2013, 222, 2713-2722.	2.6	14
274	EEG-based expert system using complexity measures and probability density function control in alpha sub-band. Integrated Computer-Aided Engineering, 2013, 20, 391-405.	4.6	37
275	Evolution of Electroencephalogram Signal Analysis Techniques during Anesthesia. Sensors, 2013, 13, 6605-6635.	3.8	54
276	DOUBLE-LAYERED MODELS CAN EXPLAIN MACRO AND MICRO STRUCTURE OF HUMAN SLEEP. International Journal of Neural Systems, 2013, 23, 1350008.	5.2	2
277	Spatially Nonlinear Interdependence of Alpha-Oscillatory Neural Networks under Chan Meditation. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-12.	1.2	7
278	Reliable epileptic seizure detection using an improved wavelet neural network. Australasian Medical Journal, 2013, 6, 308-314.	0.1	28
279	Wavelet-Neural Classification of Sleep EEG under Stressful Condition. , 2013, , .		0
280	COMBINATION OF HETEROGENEOUS EEG FEATURE EXTRACTION METHODS AND STACKED SEQUENTIAL LEARNING FOR SLEEP STAGE CLASSIFICATION. International Journal of Neural Systems, 2013, 23, 1350012.	5.2	58
281	Latency study of non-convulsive seizures. , 2013, , .		4
282	A proposed frame work for real time epileptic seizure prediction using scalp EEG. , 2013, , .		9
283	Automatic characterization of dynamics in Absence Epilepsy. , 2013, 2013, 4283-6.		1
284	APPLICATION OF INTRINSIC TIME-SCALE DECOMPOSITION (ITD) TO EEG SIGNALS FOR AUTOMATED SEIZURE PREDICTION. International Journal of Neural Systems, 2013, 23, 1350023.	5.2	101
285	A Comparative Investigation of Wavelet Families for Analysis of EEG Signals Related to Artists and Nonartists During Visual Perception, Mental Imagery, and Rest. Journal of Neurotherapy, 2013, 17, 248-257.	0.9	11
286	COMPARISON OF ICTAL AND INTERICTAL EEG SIGNALS USING FRACTAL FEATURES. International Journal of Neural Systems, 2013, 23, 1350028.	5.2	49
287	Automated diagnosis of epileptic electroencephalogram using independent component analysis and discrete wavelet transform for different electroencephalogram durations. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2013, 227, 234-244.	1.8	22
288	Automated identification of multiple seizure-related and interictal epileptiform event types in the EEG of mice. Scientific Reports, 2013, 3, 1483.	3.3	63
289	FPGA implementation of Wavelet Neural Network for epileptic seizure detection. IEICE Electronics Express, 2013, 10, 20130848-20130848.	0.8	1

#	ARTICLE	IF	CITATIONS
290	Introduction to Computational Intelligence Techniques and Areas of Their Applications in Medicine. , 2013, , 69-88.		2
291	EEG Signal of Epileptic Patient by Fast Fourier and Wavelet Transforms. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0,784314 1gBT /Overl 0.4		1
292	Wavelet Filter to Attenuate the Background Activity and High Frequencies in EEG Signals Applied in the Automatic Identification of Epileptiform Events. , 2013, , .		3
293	Large-Scale, High-Resolution Multielectrode-Array Recording Depicts Functional Network Differences of Cortical and Hippocampal Cultures. PLoS ONE, 2014, 9, e105324.	2.5	52
294	Detection of Epileptic Seizure Event and Onset Using EEG. BioMed Research International, 2014, 2014, 1-7.	1.9	129
295	EVALUATION AND APPLICATION OF A HYBRID BRAIN COMPUTER INTERFACE FOR REAL WHEELCHAIR PARALLEL CONTROL WITH MULTI-DEGREE OF FREEDOM. International Journal of Neural Systems, 2014, 24, 1450014.	5.2	62
296	Computer Assisted Analysis System of Electroencephalogram for Diagnosing Epilepsy. , 2014, , .		9
297	DETECTION OF DRIVING FATIGUE BY USING NONCONTACT EMG AND ECG SIGNALS MEASUREMENT SYSTEM. International Journal of Neural Systems, 2014, 24, 1450006.	5.2	104
298	SENSOR (GROUP FEATURE) SELECTION WITH CONTROLLED REDUNDANCY IN A CONNECTIONIST FRAMEWORK. International Journal of Neural Systems, 2014, 24, 1450021.	5.2	10
299	Using type-2 fuzzy logic systems for spike detection in the hypoxic ischemic EEG of the preterm fetal sheep. , 2014, 2014, 938-41.		7
300	Electroencephalograms features of the early stage Parkinsonâ€™s disease. Pattern Recognition and Image Analysis, 2014, 24, 593-604.	1.0	7
301	EPILEPTIC EEG CLASSIFICATION BASED ON KERNEL SPARSE REPRESENTATION. International Journal of Neural Systems, 2014, 24, 1450015.	5.2	59
302	EEG signal classification using frequency band analysis towards epileptic seizure prediction. , 2014, , .		16
303	Colonic peristalsis signal extraction and energy analysis based on wavelet analysis. , 2014, , .		1
304	Automatic detection of epileptic EEG using THFB and autoregressive modeling. , 2014, , .		0
305	Logistic regression of working memory impairments in children based on single-trial ERP features. , 2014, , .		2
306	EEG alpha oscillation: Handwriting behavior toward working memory performance of normal children using correlation analysis. , 2014, , .		0
307	Performance Comparison of classification algorithms for EEG-based remote epileptic seizure detection in Wireless Sensor Networks. , 2014, , .		10

#	ARTICLE	IF	CITATIONS
308	Superiority of high frequency hypoxic ischemic EEG signals of fetal sheep for sharp wave detection using Wavelet-Type 2 Fuzzy classifiers. , 2014, 2014, 1893-6.		16
309	EARLY PREDICTION OF MEDICATION REFRACTORINESS IN CHILDREN WITH IDIOPATHIC EPILEPSY BASED ON SCALP EEG ANALYSIS. International Journal of Neural Systems, 2014, 24, 1450023.	5.2	26
310	SIMULATING VERTICAL AND HORIZONTAL INHIBITION WITH SHORT-TERM DYNAMICS IN A MULTI-COLUMN MULTI-LAYER MODEL OF NEOCORTEX. International Journal of Neural Systems, 2014, 24, 1440002.	5.2	19
311	Discrete event diagnosis of environment impacts. , 2014, , .		0
312	EEG signals classification of epileptic patients via feature selection and voting criteria in intelligent method. Journal of Medical Engineering and Technology, 2014, 38, 146-155.	1.4	5
313	Classification of Drowsiness in EEG Records Based on Energy Distribution and Wavelet-Neural Network. , 2014, , .		1
314	Implementation of discrete wavelet transform. , 2014, , .		7
315	A Wavelet-Statistical Features Approach for Nonconvulsive Seizure Detection. Clinical EEG and Neuroscience, 2014, 45, 274-284.	1.7	79
316	Automated diagnosis of autism: in search of a mathematical marker. Reviews in the Neurosciences, 2014, 25, 851-61.	2.9	65
317	Epileptic seizures detection in EEG using DWT-based ApEn and artificial neural network. Signal, Image and Video Processing, 2014, 8, 1323-1334.	2.7	207
318	Epileptic seizure classification in EEG signals using second-order difference plot of intrinsic mode functions. Computer Methods and Programs in Biomedicine, 2014, 113, 494-502.	4.7	231
319	Epileptic seizure detection using DWT based fuzzy approximate entropy and support vector machine. Neurocomputing, 2014, 133, 271-279.	5.9	270
320	Classification of ictal and seizure-free EEG signals using fractional linear prediction. Biomedical Signal Processing and Control, 2014, 9, 1-5.	5.7	231
321	Pre-ictal phase detection with SVMs. , 2014, , .		0
322	Empirical Mode Decomposition Based Classification of Focal and Non-focal EEG Signals. , 2014, , .		55
323	Electroencephalograms in Diagnosis of Autism. , 2014, , 327-343.		2
325	Classification of normal and epileptic seizure EEG signals using wavelet transform, phase-space reconstruction, and Euclidean distance. Computer Methods and Programs in Biomedicine, 2014, 116, 10-25.	4.7	145
326	Identification and monitoring of brain activity based on stochastic relevance analysis of short-time EEG rhythms. BioMedical Engineering OnLine, 2014, 13, 123.	2.7	22

#	ARTICLE	IF	CITATIONS
327	Relationship between Arousal Intensity and Heart Rate Response to Arousal. Sleep, 2014, 37, 645-653.	1.1	130
328	Different approaches of analysing EEG signals for seizure detection. International Journal of Signal and Imaging Systems Engineering, 2015, 8, 28.	0.6	9
329	TIME-FREQUENCY PROCESSING METHOD OF EPILEPTIC EEG SIGNALS. Biomedical Engineering - Applications, Basis and Communications, 2015, 27, 1550015.	0.6	3
330	Seizure detection and prediction through clustering and temporal analysis of micro electrocorticographic data. , 2015, , .		0
331	Epileptic focus localization using EEG based on discrete wavelet transform through full-level decomposition. , 2015, , .		22
332	Removing ocular artifacts from mixed EEG signals with FastKICA and DWT. Journal of Intelligent and Fuzzy Systems, 2015, 28, 2851-2861.	1.4	21
333	EPILEPTIFORM DISCHARGES DETECTION FROM EEG SIGNALS USING GROUPED-CHANNEL RESTRICTED BAND ANALYSIS. Biomedical Engineering - Applications, Basis and Communications, 2015, 27, 1550014.	0.6	0
334	Applications and Comparison of Continuous Wavelet Transforms on Analysis of A-wave Impulse Noise. Archives of Acoustics, 2015, 40, 503-512.	0.8	3
335	Detection of epileptic seizure using wavelet transformation and spike based features. , 2015, , .		6
336	Hybrid features based classification of alcoholic and non-alcoholic EEG. , 2015, , .		5
337	Prognosis of epileptic seizures using EEG signals. , 2015, , .		3
338	Detection of structural damage using novelty detection algorithm under variational environmental and operational conditions. Journal of Physics: Conference Series, 2015, 628, 012126.	0.4	0
339	Early Detection of Epileptic Seizures in Sparse Domains. Neuroscience and Biomedical Engineering, 2015, 2, 14-28.	0.4	0
340	EEG Synchronization and Brain Networks. International Journal of Biomedical and Clinical Engineering, 2015, 4, 1-11.	0.2	1
341	Selection of Mother Wavelet Functions for Multi-Channel EEG Signal Analysis during a Working Memory Task. Sensors, 2015, 15, 29015-29035.	3.8	114
342	Comparative Analysis of Classifiers for Developing an Adaptive Computer-Assisted EEG Analysis System for Diagnosing Epilepsy. BioMed Research International, 2015, 2015, 1-14.	1.9	15
343	The Detection of Normal and Epileptic EEG Signals using ANN Methods with Matlab-based GUI. International Journal of Computer Applications, 2015, 114, 45-50.	0.2	14
344	Effect of Wavelet Packet Log Energy Entropy on Electroencephalogram (EEG) Signals. International Journal of Biomedical and Clinical Engineering, 2015, 4, 32-43.	0.2	17

#	ARTICLE	IF	CITATIONS
345	Timeâ€“Frequency Analysis of EEG: From Theory to Practice. Springer Series in Synergetics, 2015, , 211-251.	0.4	0
346	An efficient detection of epileptic seizure by differentiation and spectral analysis of electroencephalograms. Computers in Biology and Medicine, 2015, 66, 352-356.	7.0	49
347	Computer-Aided Diagnosis of Depression Using EEG Signals. European Neurology, 2015, 73, 329-336.	1.4	144
348	Realâ€“time mining of epileptic seizure precursors via nonlinear mapping and dissimilarity features. IET Signal Processing, 2015, 9, 193-200.	1.5	5
349	Application of linear graph embedding as a dimensionality reduction technique and sparse representation classifier as a post classifier for the classification of epilepsy risk levels from EEG signals. Proceedings of SPIE, 2015, , .	0.8	8
350	Distinct adoption of k-nearest neighbour and support vector machine in classifying EEG signals of mental tasks. International Journal of Intelligent Engineering Informatics, 2015, 3, 313.	0.1	11
351	Automatic seizure detection in multichannel EEG using McCIT2FIS approach. , 2015, , .		1
352	STRAPS: A Fully Data-Driven Spatio-Temporally Regularized Algorithm for M/EEG Patch Source Imaging. International Journal of Neural Systems, 2015, 25, 1550016.	5.2	15
353	Reverse Bi-orthogonal wavelets & fuzzy classifiers for the automatic detection of spike waves in the EEG of the hypoxic ischemic pre-term fetal sheep. , 2015, 2015, 5404-7.		14
354	A nonlinear feature based epileptic seizure detection using least square support vector machine classifier. , 2015, , .		24
355	EEG signal classification in non-linear framework with filtered training data. , 2015, , .		2
356	Epileptic seizure detection on patients with mental retardation based on EEG features: A pilot study. , 2015, 2015, 578-81.		2
357	Feature selection and recognition of electroencephalogram signals: An extreme learning machine and genetic algorithm-based approach. , 2015, , .		1
358	A lossless data reduction technique for wireless EEG recorders and its use in selective data filtering for seizure monitoring. , 2015, 2015, 6186-9.		2
359	Automatic detection and removal of muscle artifacts from scalp EEG recordings in patients with epilepsy. , 2015, 2015, 1946-50.		6
360	Wavelet-based EEG processing for computer-aided seizure detection and epilepsy diagnosis. Seizure: the Journal of the British Epilepsy Association, 2015, 26, 56-64.	2.0	430
361	Real-Time EEG-Based Detection of Fatigue Driving Danger for Accident Prediction. International Journal of Neural Systems, 2015, 25, 1550002.	5.2	78
362	A 1.5-D Multi-Channel EEG Compression Algorithm Based on NLSPIHT. IEEE Signal Processing Letters, 2015, 22, 1118-1122.	3.6	34

#	ARTICLE	IF	CITATIONS
363	Kernel Collaborative Representation-Based Automatic Seizure Detection in Intracranial EEG. International Journal of Neural Systems, 2015, 25, 1550003.	5.2	32
364	Determining the Appropriate Amount of Anesthetic Gas Using DWT and EMD Combined with Neural Network. Journal of Medical Systems, 2015, 39, 173.	3.6	6
365	Analysis of EEG Signals for Detection of Epileptic Seizure Using Hybrid Feature Set. Lecture Notes in Electrical Engineering, 2015, , 49-57.	0.4	13
366	Long-term epileptic EEG classification via 2D mapping and textural features. Expert Systems With Applications, 2015, 42, 7175-7185.	7.6	57
367	Isolating gait-related movement artifacts in electroencephalography during human walking. Journal of Neural Engineering, 2015, 12, 046022.	3.5	161
368	Application of Entropy Measures on Intrinsic Mode Functions for the Automated Identification of Focal Electroencephalogram Signals. Entropy, 2015, 17, 669-691.	2.2	271
369	Blind analysis of atrial fibrillation electrograms: A sparsity-aware formulation. Integrated Computer-Aided Engineering, 2015, 22, 71-85.	4.6	11
370	Wavelet methodology to improve single unit isolation in primary motor cortex cells. Journal of Neuroscience Methods, 2015, 246, 106-118.	2.5	47
371	EPILEPTIC EEG CLASSIFICATION USING NONLINEAR PARAMETERS ON DIFFERENT FREQUENCY BANDS. Journal of Mechanics in Medicine and Biology, 2015, 15, 1550040.	0.7	45
372	Exploration of EEG features of Alzheimer's disease using continuous wavelet transform. Medical and Biological Engineering and Computing, 2015, 53, 843-855.	2.8	27
373	A P300 Brain-Computer Interface Based on a Modification of the Mismatch Negativity Paradigm. International Journal of Neural Systems, 2015, 25, 1550011.	5.2	119
374	Theory and Applications of Applied Electromagnetics. Lecture Notes in Electrical Engineering, 2015, , .	0.4	2
376	Automatic seizure detection using Stockwell transform and boosting algorithm for long-term EEG. Epilepsy and Behavior, 2015, 45, 8-14.	1.7	44
377	Wavelet Approach to the Study of Rhythmic Neuronal Activity. Springer Series in Synergetics, 2015, , 177-209.	0.4	1
378	Selection of proper electrodes and improving performance in brain computer interfaces. , 2015, , .		0
379	Feature extraction method of motor imagery EEG based on DTCWT sample entropy. , 2015, , .		5
380	Investigation of schizophrenic EEG signals using wavelet transform functions. , 2015, , .		1
381	Altered Structural and Functional Feature of Striato-Cortical Circuit in Benign Epilepsy with Centrotemporal Spikes. International Journal of Neural Systems, 2015, 25, 1550027.	5.2	73

#	ARTICLE	IF	CITATIONS
382	Diagnosis of Epilepsy in Patients Based on the Classification of EEG Signals Using Fast Fourier Transform. Lecture Notes in Computer Science, 2015, , 493-500.	1.3	3
383	Multifractal Analysis and Relevance Vector Machine-Based Automatic Seizure Detection in Intracranial EEG. International Journal of Neural Systems, 2015, 25, 1550020.	5.2	85
384	Wavelet Filter Design Based on Frequency Responses for Filtering ERP Data With Duration of One Epoch. , 2015, , 15-49.		2
385	An empirical study to remove noise from single-trial MRCP for movement intention detection. , 2015, , .		1
386	Early Seizure Detection Using Neuronal Potential Similarity: A Generalized Low-Complexity and Robust Measure. International Journal of Neural Systems, 2015, 25, 1550019.	5.2	22
387	Automatic Seizure Detection in EEG Based on Sparse Representation and Wavelet Transform. Lecture Notes in Computer Science, 2015, , 197-205.	1.3	0
388	Adaptive Control of Parkinson's State Based on a Nonlinear Computational Model with Unknown Parameters. International Journal of Neural Systems, 2015, 25, 1450030.	5.2	32
389	Effects of the static and ELF magnetic fields on the neuronal population activity in Morimus funereus (Coleoptera, Cerambycidae) antennal lobe revealed by wavelet analysis. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 181, 27-35.	1.8	4
390	EEG signal analysis using spectral correlation function & GARCH model. Signal, Image and Video Processing, 2015, 9, 1461-1472.	2.7	12
391	Low-Energy Two-Stage Algorithm for High Efficacy Epileptic Seizure Detection. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2015, 23, 208-212.	3.1	6
392	Epileptic Seizure Classification of EEG Time-Series Using Rational Discrete Short-Time Fourier Transform. IEEE Transactions on Biomedical Engineering, 2015, 62, 541-552.	4.2	308
393	A phenomenological model of EEG based on the dynamics of a stochastic Duffing-van der Pol oscillator network. Biomedical Signal Processing and Control, 2015, 15, 1-10.	5.7	20
394	Classification of epileptic seizures in EEG signals based on phase space representation of intrinsic mode functions. Expert Systems With Applications, 2015, 42, 1106-1117.	7.6	341
396	The classification of EEG signals using discretization-based entropy and the adaptive neuro-fuzzy inference system. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 285-297.	1.4	14
397	Automatic Seizure Onset Detection in Long Term Pediatric EEG Signals. Journal of Computer Science and Systems Biology, 2016, 9, .	0.0	4
399	Applying a Locally Linear Embedding Algorithm for Feature Extraction and Visualization of MI-EEG. Journal of Sensors, 2016, 2016, 1-9.	1.1	27
400	Effects of Background Music on Objective and Subjective Performance Measures in an Auditory BCI. Frontiers in Computational Neuroscience, 2016, 10, 105.	2.1	18
401	Reconstruction of Neural Activity from EEG Data Using Dynamic Spatiotemporal Constraints. International Journal of Neural Systems, 2016, 26, 1650026.	5.2	23



#	ARTICLE	IF	CITATIONS
402	Investigation the effect of luminance level on the emotional assesment in EEG recordings using wavelet transform. , 2016, , .		0
403	Hardware Design of Seizure Detection Based on Wavelet Transform and Sample Entropy. Journal of Circuits, Systems and Computers, 2016, 25, 1650101.	1.5	8
404	An Intelligent System to Classify Epileptic and Non-Epileptic EEG Signals. , 2016, , .		3
405	A surrogate channel based analysis of EEG signals for detection of epileptic seizure. , 2016, , .		1
406	Seizure detection using dynamic warping for patients with intellectual disability. , 2016, 2016, 1010-1013.		1
407	A method based on coffee-ring deposition confocal Raman spectroscopy of analysis of melamine in milk. Proceedings of SPIE, 2016, , .	0.8	0
408	Feature extraction using combination of intrinsic mode functions and power spectrum for EEG signal classification. , 2016, , .		10
409	Overcoming drawback of feature instantaneous bandwidth using EMD for epileptic seizure classification by RMS frequency. , 2016, , .		3
410	Connectivity patterns of interictal epileptiform discharges using coherence analysis. , 2016, , .		3
411	Accelerometer and gyroscope measurements performed by module supported by graphical user interface. , 2016, , .		0
412	Electroencephalogram (EEG) and Its Background. Health Information Science, 2016, , 3-21.	0.4	22
413	A Numerical Study of Information Entropy in EEG Wavelet Analysis. , 2016, , .		0
414	EEG Signal Analysis and Classification. Health Information Science, 2016, , .	0.4	86
415	Analysis of loss of alertness due to cognitive fatigue using Motif Synchronization of EEG records. , 2016, 2016, 1652-1655.		1
416	Classification of Motor Imagery signal using wavelet decomposition: A study for optimum parameter settings. , 2016, , .		3
417	Seizure detection system: A comparative study on features and fusions. , 2016, , .		2
418	Objectives and Structures of the Book. Health Information Science, 2016, , 43-61.	0.4	0
419	Detection of Intracranial Signatures of Interictal Epileptiform Discharges from Concurrent Scalp EEG. International Journal of Neural Systems, 2016, 26, 1650016.	5.2	32



#	ARTICLE	IF	CITATIONS
420	Classification of epileptic EEG signals based on simple random sampling and sequential feature selection. Brain Informatics, 2016, 3, 85-91.	3.0	73
421	Do the deceleration/acceleration capacities of heart rate reflect cardiac sympathetic or vagal activity? A model study. Medical and Biological Engineering and Computing, 2016, 54, 1921-1933.	2.8	27
422	A novel module based approach for classifying epileptic seizures using EEG signals. , 2016, , .		0
423	An EEG Classification Approach Based on Intrinsic Signal Properties and Wavelets. Advances in Intelligent Systems and Computing, 2016, , 135-145.	0.6	0
424	A DWT-entropy-ANN based architecture for epilepsy diagnosis using EEG signals. , 2016, , .		17
425	Multivariate Bayesian classification of epilepsy EEG signals. , 2016, , .		7
426	Total Variation Based Multi Feature Model for Epilepsy Detection Using Support Vector Machine. IETE Journal of Research, 2016, 62, 822-832.	2.6	4
427	A deep learning approach to EEG based epilepsy seizure determination. , 2016, , .		7
428	Diagnosis of epilepsy from interictal EEGs based on chaotic and wavelet transformation. Analog Integrated Circuits and Signal Processing, 2016, 89, 131-138.	1.4	22
429	Dimensionality Reduction Effect Analysis of EEG Signals in Cross-Correlation Classifiers Performance. Lecture Notes in Computer Science, 2016, , 297-305.	1.3	1
430	DWT Based Detection of Epileptic Seizure From EEG Signals Using Naive Bayes and k-NN Classifiers. IEEE Access, 2016, 4, 7716-7727.	4.2	243
431	Comparison of envelope detection techniques in coherence scanning interferometry. Applied Optics, 2016, 55, 6763.	2.1	16
432	Epileptic seizure detection from EEG signals by using wavelet and Hilbert transform. , 2016, , .		9
433	EEG-based emotion recognition approach for e-healthcare applications. , 2016, , .		60
434	A sequential method using multiplicative extreme learning machine for epileptic seizure detection. Neurocomputing, 2016, 214, 692-707.	5.9	34
435	Automated Video Detection of Epileptic Convulsion Slowing as a Precursor for Post-Seizure Neuronal Collapse. International Journal of Neural Systems, 2016, 26, 1650027.	5.2	13
436	Feature extraction and visualization of MI-EEG by LLE algorithm. , 2016, , .		5
437	Autosomal dominant nocturnal frontal lobe epilepsy seizure characterization through wavelet transform of eeg records and self organizing maps. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
438	Hardware architecture of lifting-based discrete wavelet transform and sample entropy for epileptic seizure detection. , 2016, , .		0
439	Nonparametric multi-level clustering of human epilepsy seizures. Annals of Applied Statistics, 2016, 10, .	1.1	3
440	Detection of epileptic seizure in EEG signals using linear least squares preprocessing. Computer Methods and Programs in Biomedicine, 2016, 133, 95-109.	4.7	25
441	Classification of EEG Signals Using Single Channel Independent Component Analysis, Power Spectrum, and Linear Discriminant Analysis. Lecture Notes in Electrical Engineering, 2016, , 259-268.	0.4	8
442	A novel EEG-based emotion recognition approach for e-healthcare applications. , 2016, , .		8
444	Epileptic Seizure Detection with Log-Euclidean Gaussian Kernel-Based Sparse Representation. International Journal of Neural Systems, 2016, 26, 1650011.	5.2	27
445	Best method for analysis of brain oscillations in healthy subjects and neuropsychiatric diseases. International Journal of Psychophysiology, 2016, 103, 22-42.	1.0	29
446	Spatial Coherence Profiles of Ictal High-Frequency Oscillations Correspond to Those of Interictal Low-Frequency Oscillations in the ECoG of Epileptic Patients. IEEE Transactions on Biomedical Engineering, 2016, 63, 76-85.	4.2	14
447	Protocol Design Challenges in the Detection of Awareness in Aware Subjects Using EEG Signals. Clinical EEG and Neuroscience, 2016, 47, 266-275.	1.7	6
448	An Improved Sparse Representation over Learned Dictionary Method for Seizure Detection. International Journal of Neural Systems, 2016, 26, 1550035.	5.2	27
449	A Novel Approach Based on Data Redundancy for Feature Extraction of EEG Signals. Brain Topography, 2016, 29, 207-217.	1.8	36
450	A Stand-Alone EEG Monitoring System for Remote Diagnosis. Telemedicine Journal and E-Health, 2016, 22, 310-316.	2.8	6
451	High-resolution time-frequency analysis of EEG signals using multiscale radial basis functions. Neurocomputing, 2016, 195, 96-103.	5.9	32
452	Wavelet analysis to decompose a vibration simulation signal to improve pre-distribution testing of packaging. Mechanical Systems and Signal Processing, 2016, 76-77, 780-795.	8.0	21
453	Nonlinear Dynamics Measures for Automated EEG-Based Sleep Stage Detection. European Neurology, 2015, 74, 268-287.	1.4	95
454	A new methodology for automated diagnosis of mild cognitive impairment (MCI) using magnetoencephalography (MEG). Behavioural Brain Research, 2016, 305, 174-180.	2.2	52
455	An enhanced harmony search based algorithm for feature selection: Applications in epileptic seizure detection and prediction. Computers and Electrical Engineering, 2016, 53, 143-162.	4.8	35
456	Wavelet-based algorithm for auto-detection of daily living activities of older adults captured by multiple inertial measurement units (IMUs). Physiological Measurement, 2016, 37, 442-461.	2.1	31

#	ARTICLE	IF	CITATIONS
457	Application of empirical mode decomposition and artificial neural network for the classification of normal and epileptic EEG signals. Biocybernetics and Biomedical Engineering, 2016, 36, 285-291.	5.9	74
458	Hierarchical multi-class SVM with ELM kernel for epileptic EEG signal classification. Medical and Biological Engineering and Computing, 2016, 54, 149-161.	2.8	84
459	EMD-Based Temporal and Spectral Features for the Classification of EEG Signals Using Supervised Learning. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 28-35.	4.9	269
460	Automatic detection of absence seizures with compressive sensing EEG. Neurocomputing, 2016, 171, 497-502.	5.9	56
461	Ictal EEG classification based on amplitude and frequency contours of IMFs. Biocybernetics and Biomedical Engineering, 2017, 37, 172-183.	5.9	25
462	Measures for brain connectivity analysis: nodes centrality and their invariant patterns. European Physical Journal: Special Topics, 2017, 226, 2235-2245.	2.6	4
463	Detection of epileptic seizure using Kraskov entropy applied on tunable-Q wavelet transform of EEG signals. Biomedical Signal Processing and Control, 2017, 34, 74-80.	5.7	134
464	Automatic Epileptic Seizure Detection in EEG Using Nonsubsampled Waveletâ€“Fourier Features. Journal of Medical and Biological Engineering, 2017, 37, 123-131.	1.8	57
465	Seizure pattern-specific epileptic epoch detection in patients with intellectual disability. Biomedical Signal Processing and Control, 2017, 35, 38-49.	5.7	20
466	Epileptic Discharge Related Functional Connectivity Within and Between Networks in Benign Epilepsy with Centrotemporal Spikes. International Journal of Neural Systems, 2017, 27, 1750018.	5.2	43
467	Correlated EEG Signals Simulation Based on Artificial Neural Networks. International Journal of Neural Systems, 2017, 27, 1750008.	5.2	5
468	Non-linear classifiers applied to EEG analysis for epilepsy seizure detection. Expert Systems With Applications, 2017, 86, 99-112.	7.6	53
469	Recognizing of stereotypic patterns in epileptic EEG using empirical modes and wavelets. Physica A: Statistical Mechanics and Its Applications, 2017, 486, 206-217.	2.6	30
470	Electrocorticographic Dynamics as a Novel Biomarker in Five Models of Epileptogenesis. Journal of Neuroscience, 2017, 37, 4450-4461.	3.6	50
471	Biogeography based hybrid scheme for automatic detection of epileptic seizures from EEG signatures. Applied Soft Computing Journal, 2017, 51, 116-129.	7.2	21
472	Variable mass pendulum behaviour processed by wavelet analysis. European Journal of Physics, 2017, 38, 015804.	0.6	13
473	Physiological Ripples Associated with Sleep Spindles Differ in Waveform Morphology from Epileptic Ripples. International Journal of Neural Systems, 2017, 27, 1750011.	5.2	42
474	Functional Clustering approach for the analysis of Stereo-EEG activity patterns in correspondence of epileptic seizures. , 2017, 2017, 2806-2809.		1

#	ARTICLE	IF	CITATIONS
475	EEG Classification with a Sequential Decision-Making Method in Motor Imagery BCI. International Journal of Neural Systems, 2017, 27, 1750046.	5.2	23
476	Detection of epileptic seizure and seizure-free EEG signals employing generalised <i>S</i> -transform. IET Science, Measurement and Technology, 2017, 11, 847-855.	1.6	37
477	Application of self organizing map to identify nocturnal epileptic seizures. , 2017, , .		0
478	Efficient epileptic seizure detection based on electroencephalography signal. , 2017, , .		2
479	Portable wireless electrocorticography system with a flexible microelectrodes array for epilepsy treatment. Scientific Reports, 2017, 7, 7808.	3.3	25
480	Online EEG Classification of Covert Speech for Brain-Computer Interfacing. International Journal of Neural Systems, 2017, 27, 1750033.	5.2	67
481	Effect of Feature Extraction on Automatic Sleep Stage Classification by Artificial Neural Network. Metrology and Measurement Systems, 2017, 24, 229-240.	1.4	14
482	Unsupervised detection and removal of muscle artifacts from scalp EEG recordings using canonical correlation analysis, wavelets and random forests. Clinical Neurophysiology, 2017, 128, 1755-1769.	1.5	15
483	Classify epileptic EEG signals using weighted complex networks based community structure detection. Expert Systems With Applications, 2017, 90, 87-100.	7.6	70
484	Emotion recognition based on EEG features in movie clips with channel selection. Brain Informatics, 2017, 4, 241-252.	3.0	96
485	A Study of Pattern Recognition in Children Using Single-Channel Electroencephalogram for Specialized Electroencephalographic Devices. Electronics and Communications in Japan, 2017, 100, 43-53.	0.5	3
486	Applying brain emotional learning based fuzzy inference system for EEG signal classication between schizophrenics and control participant. , 2017, , .		1
487	The comparison of wavelet and empirical mode decomposition method in prediction of sleep stages from EEG signals. , 2017, , .		0
488	Wavelet-based feature extraction for classification of epileptic seizure EEG signal. Journal of Medical Engineering and Technology, 2017, 41, 670-680.	1.4	33
489	Classification of Seizure Prone EEG Signal Using Amplitude and Frequency Based Parameters of Intrinsic Mode Functions. Journal of Medical and Biological Engineering, 2017, 37, 540-553.	1.8	8
490	Classification of mental task EEG records using Hjorth parameters. , 2017, , .		15
491	Dynamic changes in murine forebrain miR-211 expression associate with cholinergic imbalances and epileptiform activity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4996-E5005.	7.1	45
492	Determination of effective channels in brain-computer interface applications. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
493	Visibility Graph from Adaptive Optimal Kernel Time-Frequency Representation for Classification of Epileptiform EEG. International Journal of Neural Systems, 2017, 27, 1750005.	5.2	147
494	Sparse representation-based EMD and BLDA for automatic seizure detection. Medical and Biological Engineering and Computing, 2017, 55, 1227-1238.	2.8	12
495	Robust Wavelet Stabilized $\hat{\epsilon}$ -Footprints of Uncertainty <sup>TM</sup> for Fuzzy System Classifiers to Automatically Detect Sharp Waves in the EEG after Hypoxia Ischemia. International Journal of Neural Systems, 2017, 27, 1650051.	5.2	30
496	Epileptic Focus Localization Using Discrete Wavelet Transform Based on Interictal Intracranial EEG. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 413-425.	4.9	80
497	A Cross-Correlated Delay Shift Supervised Learning Method for Spiking Neurons with Application to Interictal Spike Detection in Epilepsy. International Journal of Neural Systems, 2017, 27, 1750002.	5.2	38
498	Classification of Four Class Motor Imagery for Brain Computer Interface. Lecture Notes in Electrical Engineering, 2017, , 297-305.	0.4	5
499	Electroencephalogram signal classification based on shearlet and contourlet transforms. Expert Systems With Applications, 2017, 67, 140-147.	7.6	28
500	Multi-Biosignal Analysis for Epileptic Seizure Monitoring. International Journal of Neural Systems, 2017, 27, 1650031.	5.2	102
501	A Realistic Seizure Prediction Study Based on Multiclass SVM. International Journal of Neural Systems, 2017, 27, 1750006.	5.2	77
502	Classification of epileptic seizures using wavelet packet log energy and norm entropies with recurrent Elman neural network classifier. Cognitive Neurodynamics, 2017, 11, 51-66.	4.0	72
503	Classification of epilepsy EEG signals using DWT-based envelope analysis and neural network ensemble. Biomedical Signal Processing and Control, 2017, 31, 357-365.	5.7	137
504	Detection of Alcoholism Based on EEG Signals and Functional Brain Network Features Extraction. , 2017, , .		17
505	Classification of normal, seizure and seizure-free EEG signals using EMD and EWT. , 2017, , .		3
506	Channel selection from EEG signals and application of support vector machine on EEG data. , 2017, , .		6
507	Effect of tuning TQWT parameters on epileptic seizure detection from EEG signals. , 2017, , .		5
508	Studies of scalp level connectivity and representative channels in epilepsy. , 2017, , .		0
509	Deep RNN learning for EEG based functional brain state inference. , 2017, , .		8
510	Topographical pattern analysis using wavelet based coherence connectivity estimation in the distinction of meditation and non-meditation EEG. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
511	EEG signals classification for epileptic detection. , 2017, , .		7
512	Comparison of wavelet transform symlets (2-10) and daubechies (2-10) for an electroencephalographic signal analysis. , 2017, , .		14
513	Identification of ADHD Cognitive Pattern Disturbances Using EEG and Wavelets Analysis. , 2017, , .		7
514	Loss of Alertness under Cognitive Fatigue Using EEG Synchronization. , 2017, , .		1
515	Automatic Artifact Removal in EEG of Normal and Demented Individuals Using ICA&quot;WT during Working Memory Tasks. Sensors, 2017, 17, 1326.	3.8	56
516	Adaptive Feature Extraction of Motor Imagery EEG with Optimal Wavelet Packets and SE-Isomap. Applied Sciences (Switzerland), 2017, 7, 390.	2.5	40
517	Complexity-Entropy Maps as a Tool for the Characterization of the Clinical Electrophysiological Evolution of Patients under Pharmacological Treatment with Psychotropic Drugs. Entropy, 2017, 19, 540.	2.2	1
518	Single Trial EEG Patterns for the Prediction of Individual Differences in Fluid Intelligence. Frontiers in Human Neuroscience, 2016, 10, 687.	2.0	7
519	A Fast EEG Forecasting Algorithm for Phase-Locked Transcranial Electrical Stimulation of the Human Brain. Frontiers in Neuroscience, 2017, 11, 401.	2.8	38
520	Automatic Detection of Epilepsy and Seizure Using Multiclass Sparse Extreme Learning Machine Classification. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-10.	1.3	39
521	Analysis of EEG signals using empirical mode decomposition and support vector machine. , 2017, , .		2
522	Research on Gastroesophageal Reflux Disease Based on Dynamic Features of Ambulatory 24-Hour Esophageal pH Monitoring. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-7.	1.3	4
523	A high-performance seizure detection algorithm based on Discrete Wavelet Transform (DWT) and EEG. PLoS ONE, 2017, 12, e0173138.	2.5	116
524	Bispectral analysis of EEG during non-convulsive seizures. , 2017, , .		1
525	Detection of epileptic seizure in EEG signals using phase space reconstruction and euclidean distance of first-order derivative. , 2017, , .		4
526	Analysis of Brain Wave Oscillations During Interictal Period in Epileptic Patients Using Wavelet Transform. , 2017, , .		1
527	Epileptic Seizures. , 2017, , 63-74.		0
528	A New fMRI Informed Mixed-Norm Constrained Algorithm for EEG Source Localization. IEEE Access, 2018, 6, 8258-8269.	4.2	13

#	ARTICLE	IF	CITATIONS
529	Epileptic EEG Identification via LBP Operators on Wavelet Coefficients. International Journal of Neural Systems, 2018, 28, 1850010.	5.2	39
530	Epileptic Seizure Detection Based on Time-Frequency Images of EEG Signals Using Gaussian Mixture Model and Gray Level Co-Occurrence Matrix Features. International Journal of Neural Systems, 2018, 28, 1850003.	5.2	82
531	EEG signal classification using universum support vector machine. Expert Systems With Applications, 2018, 106, 169-182.	7.6	185
532	Hardware design of multiclass SVM classification for epilepsy and epileptic seizure detection. IET Circuits, Devices and Systems, 2018, 12, 108-115.	1.4	44
533	Analysis of long range dependence in the EEG signals of Alzheimer patients. Cognitive Neurodynamics, 2018, 12, 183-199.	4.0	24
534	Detecting epileptic seizure with different feature extracting strategies using robust machine learning classification techniques by applying advance parameter optimization approach. Cognitive Neurodynamics, 2018, 12, 271-294.	4.0	79
535	Epileptic seizure detection from EEG signals with phaseâ€‘amplitude cross-frequency coupling and support vector machine. International Journal of Modern Physics B, 2018, 32, 1850086.	2.0	12
536	An automated system for epilepsy detection using EEG brain signals based on deep learning approach. Expert Systems With Applications, 2018, 107, 61-71.	7.6	427
537	Discrimination of four class simple limb motor imagery movements for brainâ€‘computer interface. Biomedical Signal Processing and Control, 2018, 44, 181-190.	5.7	14
538	Epileptic seizure detection for multi-channel EEG with deep convolutional neural network. , 2018, , .		29
539	A novel adaptive real-time detection algorithm for an area-efficient CMOS spike detector circuit. AEU - International Journal of Electronics and Communications, 2018, 88, 87-97.	2.9	8
540	Multiview Classification and Dimensionality Reduction of Scalp and Intracranial EEG Data through Tensor Factorisation. Journal of Signal Processing Systems, 2018, 90, 273-284.	2.1	18
541	Automated recognition of hypertension through overnight continuous HRV monitoring. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 2011-2023.	4.9	30
542	Automated Detector of High Frequency Oscillations in Epilepsy Based on Maximum Distributed Peak Points. International Journal of Neural Systems, 2018, 28, 1750029.	5.2	33
543	Neurophysiological Analysis of the Genesis Mechanism of EEG During the Interictal and Ictal Periods Using a Multiple Neural Masses Model. International Journal of Neural Systems, 2018, 28, 1750027.	5.2	6
544	Fuzzy distribution entropy and its application in automated seizure detection technique. Biomedical Signal Processing and Control, 2018, 39, 360-377.	5.7	78
545	Epileptic Seizure Prediction Using Diffusion Distance and Bayesian Linear Discriminate Analysis on Intracranial EEG. International Journal of Neural Systems, 2018, 28, 1750043.	5.2	65
546	Deep convolutional neural network for the automated detection and diagnosis of seizure using EEG signals. Computers in Biology and Medicine, 2018, 100, 270-278.	7.0	1,111



#	ARTICLE	IF	CITATIONS
547	On the Classification of EEG Signal by Using an SVM Based Algorithm. Smart Innovation, Systems and Technologies, 2018, , 271-278.	0.6	15
548	Automatic Seizure Detection Based on Morphological Features Using One-Dimensional Local Binary Pattern on Long-Term EEG. Clinical EEG and Neuroscience, 2018, 49, 351-362.	1.7	67
549	A case study on Discrete Wavelet Transform based Hurst exponent for epilepsy detection. Journal of Medical Engineering and Technology, 2018, 42, 9-17.	1.4	19
550	A novel selection of optimal statistical features in the DWPT domain for discrimination of ictal and seizure-free electroencephalography signals. Pattern Analysis and Applications, 2018, 21, 515-527.	4.6	3
551	Focal and Non-Focal EEG Signal Classification by Computing Area of 2D-PSR Obtained for IMF. Journal of ICT Standardization, 2018, 5, 171-186.	0.6	3
552	Feature Extraction ElectroEncephaloGram (EEG) using wavelet transform for cursor movement. IOP Conference Series: Materials Science and Engineering, 0, 434, 012261.	0.6	4
553	An integrated approach based on EEG signals processing combined with supervised methods to classify Alzheimer's disease patients. , 2018, , .		8
554	EEG Seizure Detection with Low Ranked Shared Dictionary Learning and Slantlet Transform. , 2018, , .		1
555	Classification of EEG Signals in the Improved Complete Ensemble EMD Domain. , 2018, , .		1
556	Feature selection applied to wavelet packet transform for an efficient EEG signal classification. , 2018, , .		0
557	Detection and Classification of Genetically Transferred Idiopathic Partial Epilepsy to Child: a Four Rule ANFIS based SWT-EBFO Approach. International Journal of Engineering and Technology(UAE), 2018, 7, 499.	0.3	1
558	Epilepsy EEG classification using morphological component analysis. Eurasip Journal on Advances in Signal Processing, 2018, 2018, .	1.7	8
559	A Real Time Cardiac Patients Specific Epileptic Seizure Detection Model for Proper Clinical Diagnosis. , 2018, , .		0
560	Absence Seizure Detection Using Ramanujan Filter Banks. , 2018, , .		8
561	Cost-Sensitive Deep Active Learning for Epileptic Seizure Detection. , 2018, , .		29
562	MCA Based Epilepsy EEG Classification Using Time Frequency Domain Features. , 2018, 2018, 3398-3401.		1
563	Epilepsy detection from EEG signals: a review. Journal of Medical Engineering and Technology, 2018, 42, 368-380.	1.4	37
564	Automated epileptic seizures detection using multi-features and multilayer perceptron neural network. Brain Informatics, 2018, 5, 10.	3.0	26



#	ARTICLE	IF	CITATIONS
565	Evaluation of Different Signal Processing Methods in Time and Frequency Domain for Brain-Computer Interface Applications. , 2018, 2018, 235-238.		7
566	Automated Classification of Epileptiform Discharges in EEG Signals Using the Wavelet Transform. , 2018, , .		2
567	Automatic Detection of Emotional State from EEG Signal by Gamma Coherence Approach. , 2018, , .		1
568	Automated seizure prediction. Epilepsy and Behavior, 2018, 88, 251-261.	1.7	125
569	Emotion Recognition Using Brain Signals. , 2018, , .		7
570	Diagnosis of Encephalopathy Based on Energies of EEG Subbands Using Discrete Wavelet Transform and Support Vector Machine. Neurology Research International, 2018, 2018, 1-9.	1.3	25
571	Classification for Imperfect EEG Epileptic Seizure in IoT applications: A Comparative Study. , 2018, , .		9
572	Bayesian tensor factorization for multi-way analysis of multi-dimensional EEG. Neurocomputing, 2018, 318, 162-174.	5.9	40
573	Classification of Seizure Through SVM Based Classifier. , 2018, , .		2
574	An adaptive neuro-fuzzy inference system for the physiological presentation of seizure disorder. Nigerian Journal of Technology, 2018, 37, 525.	0.3	1
575	Seizure onset detection based on frequency domain metric of empirical mode decomposition. Signal, Image and Video Processing, 2018, 12, 1489-1496.	2.7	19
576	Quantifying fast optical signal and event-related potential relationships during a visual oddball task. NeuroImage, 2018, 178, 119-128.	4.2	9
577	Transductive Joint-Knowledge-Transfer TSK FS for Recognition of Epileptic EEG Signals. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1481-1494.	4.9	67
578	Electroencephalography Based Fusion Two-Dimensional (2D)-Convolution Neural Networks (CNN) Model for Emotion Recognition System. Sensors, 2018, 18, 1383.	3.8	138
579	Combining EEG signal processing with supervised methods for Alzheimer's patients classification. BMC Medical Informatics and Decision Making, 2018, 18, 35.	3.0	91
580	Detection of Epileptic EEG Signal Using Improved Local Pattern Transformation Methods. Circuits, Systems, and Signal Processing, 2018, 37, 5554-5575.	2.0	19
581	Classification of ictal and interictal EEG using RMS frequency, dominant frequency, root mean instantaneous frequency square and their parameters ratio. Biomedical Signal Processing and Control, 2018, 44, 168-180.	5.7	14
582	Mel scaled M-band wavelet filter bank for speech recognition. International Journal of Speech Technology, 2018, 21, 797-807.	2.2	4

#	ARTICLE	IF	CITATIONS
583	Finding Predictive EEG Complexity Features for Classification of Epileptic and Psychogenic Nonepileptic Seizures Using Imperialist Competitive Algorithm. , 2018, , .		7
584	Denoising Sparse Autoencoder-Based Ictal EEG Classification. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1717-1726.	4.9	62
585	A hybrid cascade method for EEG classification. Pattern Analysis and Applications, 2019, 22, 1505-1516.	4.6	2
586	A Novel Method for Epileptic EEG Classification Using DWT, MGA, and ANFIS: A Real Time Application to Cardiac Patients with Epilepsy. Advances in Intelligent Systems and Computing, 2019, , 525-534.	0.6	2
587	Using scalp EEG and intracranial EEG signals for predicting epileptic seizures: Review of available methodologies. Seizure: the Journal of the British Epilepsy Association, 2019, 71, 258-269.	2.0	48
588	AI in Health: State of the Art, Challenges, and Future Directions. Yearbook of Medical Informatics, 2019, 28, 016-026.	1.0	138
589	Exploring Douglas-Peucker Algorithm in the Detection of Epileptic Seizure from Multicategory EEG Signals. BioMed Research International, 2019, 2019, 1-19.	1.9	18
590	EPILEPTIC Seizure Classification Using Gradient Tree Boosting Classifier. , 2019, , .		3
591	Epileptic Seizure Detection with EEG Textural Features and Imbalanced Classification Based on EasyEnsemble Learning. International Journal of Neural Systems, 2019, 29, 1950021.	5.2	57
592	EEG entropies as estimators for the diagnosis of encephalopathy. Analog Integrated Circuits and Signal Processing, 2019, 101, 463-474.	1.4	7
593	Nonconvulsive epileptic seizure monitoring with incremental learning. Computers in Biology and Medicine, 2019, 114, 103434.	7.0	5
594	The value of the standard deviation of wavelet subband coefficients as feature extraction for electroencephalo graph (EEG) signal. Journal of Physics: Conference Series, 2019, 1175, 012039.	0.4	0
595	Multi-Resolution EEG AND EEG Sub-Band Features Optimization for Epileptic Classification Using Hybrid Evolutionary Computing Technique. Procedia Computer Science, 2019, 152, 243-251.	2.0	4
596	Brainwave classification without the help of limb movement and any stimulus for character-writing application. Cognitive Systems Research, 2019, 58, 375-386.	2.7	9
597	Deep Learning Classification for Epilepsy Detection Using a Single Channel Electroencephalography (EEG). , 2019, , .		9
598	Feature extraction and dynamic identification of driversâ€™ emotions. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 62, 175-191.	3.7	33
599	Seizure detection by convolutional neural network-based analysis of scalp electroencephalography plot images. NeuroImage: Clinical, 2019, 22, 101684.	2.7	109
600	Multiscale Functional Clustering Reveals Frequency Dependent Brain Organization in Type II Focal Cortical Dysplasia With Sleep Hypermotor Epilepsy. IEEE Transactions on Biomedical Engineering, 2019, 66, 2831-2839.	4.2	6

#	ARTICLE	IF	CITATIONS
601	Performance evaluation of DWT based sigmoid entropy in time and frequency domains for automated detection of epileptic seizures using SVM classifier. Computers in Biology and Medicine, 2019, 110, 127-143.	7.0	73
602	Regression analysis for detecting epileptic seizure with different feature extracting strategies. Biomedizinische Technik, 2019, 64, 619-642.	0.8	13
603	An Incremental Version of L-MVU for the Feature Extraction of MI-EEG. Computational Intelligence and Neuroscience, 2019, 2019, 1-19.	1.7	1
604	Computational intelligence techniques for medical diagnosis and prognosis: Problems and current developments. Biocybernetics and Biomedical Engineering, 2019, 39, 638-672.	5.9	31
605	Latent Phase Detection of Hypoxic-Ischemic Spike Transients in the EEG of Preterm Fetal Sheep Using Reverse Biorthogonal Wavelets & Fuzzy Classifier. International Journal of Neural Systems, 2019, 29, 1950013.	5.2	15
606	A Learning Approach for Wavelet Design. , 2019, , .		2
607	A review on the pattern detection methods for epilepsy seizure detection from EEG signals. Biomedizinische Technik, 2019, 64, 507-517.	0.8	31
608	Complex network based models of ECoG signals for detection of induced epileptic seizures in rats. Cognitive Neurodynamics, 2019, 13, 325-339.	4.0	13
609	A Wavelet-Based Approach for Estimating the Joint Angles of the Fingers and Wrist Using Electromyography Signals. Communications in Computer and Information Science, 2019, , 31-45.	0.5	1
610	EEG representation using multi-instance framework on the manifold of symmetric positive definite matrices. Journal of Neural Engineering, 2019, 16, 036016.	3.5	5
611	Learning joint spaceâ€timeâ€frequency features for EEG decoding on small labeled data. Neural Networks, 2019, 114, 67-77.	5.9	74
612	WMsorting: Wavelet Packetsâ€™ Decomposition and Mutual Information-Based Spike Sorting Method. IEEE Transactions on Nanobioscience, 2019, 18, 283-295.	3.3	13
613	Epileptic seizure detection using cross-bispectrum of electroencephalogram signal. Seizure: the Journal of the British Epilepsy Association, 2019, 66, 4-11.	2.0	70
614	Automated Recognition of Epileptic EEG States Using a Combination of Symlet Wavelet Processing, Gradient Boosting Machine, and Grid Search Optimizer. Sensors, 2019, 19, 219.	3.8	53
615	A phase entropy based novel machine learning structure conditioned for classifying ictal and non-ictal signal aimed at proper clinical diagnosis. International Journal of Computational Systems Engineering, 2019, 5, 342-348.	0.2	0
616	Epilepsy Seizure Detection using Non-linear and DWT-based Features. , 2019, , .		0
617	Detection of Attention Deficit Hyperactivity Disorder from EEG Signal using Discrete Wavelet Transform. , 2019, , .		3
618	Automatic identification and analysis of epileptic seizure. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
619	SVM classification of EEG signal to analyze the effect of OM Mantra meditation on the brain. , 2019, , .		8
620	A Comparative Study of Epileptic Seizure Detection Framework using SVM and ELM. , 2019, , .		1
621	Identification of ElectroEncephaloGraph signals using sampling technique and K - nearest neighbor. Journal of Physics: Conference Series, 2019, 1381, 012009.	0.4	0
622	Identification of Patterns of Electricity Consumption of the City of Panama Using Independent Component Analysis. , 2019, , .		1
623	Epileptic Activity Detection in EEG Signals using Linear and Non-linear Feature Extraction Methods. , 2019, , .		3
624	Extraction of EEG signals using the discrete wavelet transforms. IOP Conference Series: Materials Science and Engineering, 2019, 674, 012055.	0.6	0
625	Artificial Intelligence Techniques for Automated Diagnosis of Neurological Disorders. European Neurology, 2019, 82, 41-64.	1.4	95
626	Epileptic Seizure Detection Based on Bandwidth Features of EEG Signals. Procedia Computer Science, 2019, 161, 568-576.	2.0	2
627	Fourier transform for feature extraction of Electro Encephalo Graph (EEG) signals. Journal of Physics: Conference Series, 2019, 1402, 066027.	0.4	2
628	Development of a ternary hybrid fNIRS-EEG brainâ€“computer interface based on imagined speech. Brain-Computer Interfaces, 2019, 6, 128-140.	1.8	34
629	Automated Change-Point Detection of EEG Signals Based on Structural Time-Series Analysis. IEEE Access, 2019, 7, 180168-180180.	4.2	11
630	Regularized Universum twin support vector machine for classification of EEG Signal. , 2019, , .		9
631	Energy-efficient Sensor-based EEG Featuresâ€™ Extraction for Epilepsy Detection. Procedia Computer Science, 2019, 160, 273-280.	2.0	5
632	New Approach for Automated Epileptic Disease Diagnosis Using an Integrated Self-Organization Map and Radial Basis Function Neural Network Algorithm. IEEE Access, 2019, 7, 4741-4747.	4.2	33
633	Detection of Seizure Event and Its Onset/Offset Using Orthonormal Triadic Wavelet Based Features. Irbm, 2019, 40, 103-112.	5.6	46
634	Regularized Group Sparse Discriminant Analysis for P300-Based Brainâ€“Computer Interface. International Journal of Neural Systems, 2019, 29, 1950002.	5.2	30
635	Detecting Seizures From EEG Signals Using the Entropy of Visibility Heights of Hierarchical Neighbors. IEEE Access, 2019, 7, 7889-7896.	4.2	18
636	The Classification of EEG Signals with Multi-Domain Fusion Based on D-S Evidence Theory. Journal of Circuits, Systems and Computers, 2019, 28, 1950160.	1.5	4

#	ARTICLE	IF	CITATIONS
637	A novel framework based on biclustering for automatic epileptic seizure detection. International Journal of Machine Learning and Cybernetics, 2019, 10, 311-323.	3.6	9
638	Epileptic seizure detection using fuzzy-rules-based sub-band specific features and layered multi-class SVM. Pattern Analysis and Applications, 2019, 22, 1161-1176.	4.6	32
639	Using Dictionary Pair Learning for Seizure Detection. International Journal of Neural Systems, 2019, 29, 1850005.	5.2	19
640	Nonconvulsive Epileptic Seizure Detection in Scalp EEG Using Multiway Data Analysis. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 660-671.	6.3	42
641	Epileptic seizure detection using hybrid machine learning methods. Neural Computing and Applications, 2019, 31, 317-325.	5.6	179
642	A deep convolutional neural network model for automated identification of abnormal EEG signals. Neural Computing and Applications, 2020, 32, 15857-15868.	5.6	107
643	A hybrid unsupervised approach toward EEG epileptic spikes detection. Neural Computing and Applications, 2020, 32, 2521-2532.	5.6	8
644	The effects of explosion sound on the brain based on electroencephalogram signals. International Journal of Environmental Health Research, 2020, 30, 475-491.	2.7	1
645	Establishing functional brain networks using a nonlinear partial directed coherence method to predict epileptic seizures. Journal of Neuroscience Methods, 2020, 329, 108447.	2.5	28
646	Automated detection of epileptic seizures using successive decomposition index and support vector machine classifier in long-term EEG. Neural Computing and Applications, 2020, 32, 8965-8984.	5.6	37
647	Application of self-organizing map to identify nocturnal epileptic seizures. Neural Computing and Applications, 2020, 32, 18225-18241.	5.6	6
648	A hybrid Local Binary Pattern and wavelets based approach for EEG classification for diagnosing epilepsy. Expert Systems With Applications, 2020, 140, 112895.	7.6	51
649	A novel approach based on wavelet analysis and arithmetic coding for automated detection and diagnosis of epileptic seizure in EEG signals using machine learning techniques. Biomedical Signal Processing and Control, 2020, 56, 101707.	5.7	69
650	Evaluation of potential auras in generalized epilepsy from EEG signals using deep convolutional neural networks and time-frequency representation. Biomedizinische Technik, 2020, 65, 379-391.	0.8	8
651	Deep Multi-scale Feature Fusion Convolutional Neural Network for Automatic Epilepsy Detection Using EEG Signals. , 2020, , .		7
652	Comparison of Ensemble Machine Learning Methods for Automated Classification of Focal and Non-Focal Epileptic EEG Signals. Mathematics, 2020, 8, 1481.	2.2	40
653	Role of Yoga and Meditation as Complimentary Therapeutic Regime for Stress-Related Neuropsychiatric Disorders: Utilization of Brain Waves Activity as Novel Tool. Journal of Evidence-based Integrative Medicine, 2020, 25, 2515690X2094945.	2.6	8
654	Phase space elliptic density feature for epileptic EEG signals classification using metaheuristic optimization method. Knowledge-Based Systems, 2020, 205, 106276.	7.1	20

#	ARTICLE	IF	CITATIONS
655	A machine learning approach to epileptic seizure prediction using Electroencephalogram (EEG) Signal. Biocybernetics and Biomedical Engineering, 2020, 40, 1328-1341.	5.9	75
656	Quantitative assessment of consciousness during anesthesia without EEG data. Journal of Clinical Monitoring and Computing, 2021, 35, 993-1005.	1.6	3
657	Automatic Detection of Cursor Movements from the EEG Signals via Deep Learning Approach. , 2020, , .		4
658	Ambient suppression in vibration bump test using wavelet-based filter. IOP Conference Series: Materials Science and Engineering, 2020, 788, 012087.	0.6	0
659	Distinguishing Epileptiform Discharges From Normal Electroencephalograms Using Adaptive Fractal and Network Analysis: A Clinical Perspective. Frontiers in Physiology, 2020, 11, 828.	2.8	11
660	Emotion Classification Based On EEG Signals In a Stable Environment. , 2020, , .		2
661	Prediction of missing EEG channel waveform using LSTM. , 2020, , .		3
662	Advances in Communication, Devices and Networking. Lecture Notes in Electrical Engineering, 2020, , .	0.4	0
663	Evaluating five different adaptive decomposition methods for EEG signal seizure detection and classification. Biomedical Signal Processing and Control, 2020, 62, 102073.	5.7	49
664	Modified Atom Search Optimization-based Deep Recurrent Neural Network for epileptic seizure prediction using electroencephalogram signals. Biocybernetics and Biomedical Engineering, 2020, 40, 1638-1653.	5.9	15
665	Automated epilepsy detection techniques from electroencephalogram signals: a review study. Health Information Science and Systems, 2020, 8, 33.	5.2	64
666	A Novel Method for Sleep-Stage Classification Based on Sonification of Sleep Electroencephalogram Signals Using Wavelet Transform and Recurrent Neural Network. European Neurology, 2020, 83, 468-486.	1.4	15
667	A Novel EEG Based Directed Transfer Function for Investigating Human Perception to Audio Noise. , 2020, , .		3
668	Variability analysis of epileptic EEG using the maximal overlap discrete wavelet transform. Health Information Science and Systems, 2020, 8, 26.	5.2	4
669	EEG signals analysis for epileptic seizures detection using polynomial transforms, linear discriminant analysis and support vector machines. Biomedical Signal Processing and Control, 2020, 62, 102141.	5.7	18
670	Computationally-Efficient Algorithm for Real-Time Absence Seizure Detection in Wearable Electroencephalography. International Journal of Neural Systems, 2020, 30, 2050035.	5.2	22
671	FPGA Implementation of Epileptic Seizure Detection Using ELM Classifier. , 2020, , .		9
672	Automatic Seizure Prediction from Scalp EEG with Optimal Feature and Minimum Channels. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
673	Detection of Epileptic Seizure Using STFT and Statistical Analysis. , 0, , .		4
674	Distinguishing Epileptiform Discharges From Normal Electroencephalograms Using Scale-Dependent Lyapunov Exponent. Frontiers in Bioengineering and Biotechnology, 2020, 8, 1006.	4.1	9
675	Parameterization Methods and Autoregressive Model. , 0, , .		0
676	Wavelet Transform Analysis of Heart Rate to Assess Recovery Time for Long Distance Runners. Electronics (Switzerland), 2020, 9, 2189.	3.1	1
677	Wavelet Packet VS Backpropagation for localization and Classification PCG Signals. IOP Conference Series: Materials Science and Engineering, 2020, 881, 012104.	0.6	0
678	Suitable Mother Wavelet Selection for EEG Signals Analysis: Frequency Bands Decomposition and Discriminative Feature Selection. Signal and Image Processing: an International Journal, 2020, 11, 33-49.	0.3	4
679	Multiclass classification of EEG signal for epilepsy detection using DWT based SVD and fuzzy kNN classifier. Intelligent Decision Technologies, 2020, 14, 239-252.	0.9	5
680	EEG-based emotion recognition using an improved radial basis function neural network. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	4.9	16
681	Cross-Subject Seizure Detection in EEGs Using Deep Transfer Learning. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-8.	1.3	39
682	Adaptive median feature baseline correction for improving recognition of epileptic seizures in ICU EEG. Neurocomputing, 2020, 407, 385-398.	5.9	5
683	Dyslexia Diagnosis by EEG Temporal and Spectral Descriptors: An Anomaly Detection Approach. International Journal of Neural Systems, 2020, 30, 2050029.	5.2	28
684	EEG Signal Classification using LDA and MLP Classifier. Healthcare Informatics: an International Journal, 2020, 9, 14-32.	0.8	9
685	Adversarial Auto-encoders for Image Generation from standard EEG features. , 2020, , .		1
686	Automatic Seizure Detection using Fully Convolutional Nested LSTM. International Journal of Neural Systems, 2020, 30, 2050019.	5.2	87
687	General model for best feature extraction of EEG using discrete wavelet transform wavelet family and differential evolution. International Journal of Distributed Sensor Networks, 2020, 16, 155014772091100.	2.2	43
688	Automated detection of abnormal EEG signals using localized wavelet filter banks. Pattern Recognition Letters, 2020, 133, 188-194.	4.2	76
689	Unsupervised automatic seizure detection for focal-onset seizures recorded with behind-the-ear EEG using an anomaly-detecting generative adversarial network. Computer Methods and Programs in Biomedicine, 2020, 193, 105472.	4.7	39
690	Reachability Analysis of Neural Masses and Seizure Control Based on Combination Convolutional Neural Network. International Journal of Neural Systems, 2020, 30, 1950023.	5.2	14



#	ARTICLE	IF	CITATIONS
691	A Novel Simplified Convolutional Neural Network Classification Algorithm of Motor Imagery EEG Signals Based on Deep Learning. Applied Sciences (Switzerland), 2020, 10, 1605.	2.5	69
692	Identification of epilepsy from intracranial EEG signals by using different neural network models. Computational Biology and Chemistry, 2020, 87, 107310.	2.3	13
693	Modeling Volatility Characteristics of Epileptic EEGs using GARCH Models. Signals, 2020, 1, 26-46.	1.9	6
694	Identification of Epileptic EEG Signals Using Convolutional Neural Networks. Applied Sciences (Switzerland), 2020, 10, 4089.	2.5	59
695	Pair-Wise Matching of EEG Signals for Epileptic Identification via Convolutional Neural Network. IEEE Access, 2020, 8, 40008-40017.	4.2	11
696	Implementation of Signal Processing Algorithms on Epileptic EEG Signals. Advances in Intelligent Systems and Computing, 2020, , 367-376.	0.6	0
697	Emerging Research in Data Engineering Systems and Computer Communications. Advances in Intelligent Systems and Computing, 2020, , .	0.6	2
698	Epileptic Seizure Detection Based on Stockwell Transform and Bidirectional Long Short-Term Memory. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 573-580.	4.9	59
699	Epileptic Seizure Detection With a Reduced Montage: A Way Forward for Ambulatory EEG Devices. IEEE Access, 2020, 8, 65880-65890.	4.2	11
700	Revealing False Positive Features in Epileptic EEG Identification. International Journal of Neural Systems, 2020, 30, 2050017.	5.2	14
701	The Effect of Low Magnesium Concentration on Ictal Discharges In A Non-Synaptic Model. International Journal of Neural Systems, 2021, 31, 2050070.	5.2	2
702	A Novel Methodology to study the Cognitive Load Induced EEG Complexity Changes: Chaos, Fractal and Entropy based approach. Biomedical Signal Processing and Control, 2021, 64, 102277.	5.7	18
703	Analysis of epileptic EEG signals by using dynamic mode decomposition and spectrum. Biocybernetics and Biomedical Engineering, 2021, 41, 28-44.	5.9	12
704	Recurrence quantification analysis of dynamic brain networks. European Journal of Neuroscience, 2021, 53, 1040-1059.	2.6	22
705	Ensemble Machine Learning Based Identification of Pediatric Epilepsy. Computers, Materials and Continua, 2021, 68, 149-165.	1.9	12
706	A Temporal-Spatial Deep Learning Approach for Driver Distraction Detection Based on EEG Signals. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2665-2677.	5.2	39
707	Classification of Epileptic EEG Signals Using Synchrosqueezing Transform and Machine Learning. International Journal of Neural Systems, 2021, 31, 2150005.	5.2	21
708	Hilbert Transform and Statistical Analysis for Channel Selection and Epileptic Seizure Prediction. Wireless Personal Communications, 2021, 116, 3371-3395.	2.7	8



#	ARTICLE	IF	CITATIONS
709	Automated Adult Epilepsy Diagnostic Tool Based on Interictal Scalp Electroencephalogram Characteristics: A Six-Center Study. International Journal of Neural Systems, 2021, 31, 2050074.	5.2	32
710	Deep Learning Algorithms in EEG Signal Decoding Application: A Review. IEEE Access, 2021, 9, 125778-125786.	4.2	11
711	The Automatic Detection of Seizure Based on Tensor Distance And Bayesian Linear Discriminant Analysis. International Journal of Neural Systems, 2021, 31, 2150006.	5.2	21
712	An Automated Method for Epileptic Seizure Detection Using Support Vector Machine. Lecture Notes in Networks and Systems, 2021, , 973-980.	0.7	0
713	A Dynamic Mode Decomposition Based Approach for Epileptic EEG Classification. , 2021, , .		0
714	Wavelet Approach to the Study of Rhythmic Neuronal Activity. Springer Series in Synergetics, 2021, , 211-242.	0.4	0
715	Wavelet Transform as a Helping Tool During Eeg Analysis in Children with Epilepsy. Acta Informatica Medica, 2021, 29, 104.	1.1	0
716	An Overview of EEG Seizure Detection Units and Identifying their Complexity- A Review. Current Signal Transduction Therapy, 2021, 15, 234-242.	0.5	4
717	EEG signal classification using wavelet and fuzzy KNN classifier. AIP Conference Proceedings, 2021, , .	0.4	0
719	Optimal Approach for Signal Detection in Steady-State Visual Evoked Potentials in Humans Using Single-Channel EEG and Stereoscopic Stimuli. Frontiers in Neuroscience, 2021, 15, 600543.	2.8	4
720	A patient-independent classification system for onset detection of seizures. Biomedizinische Technik, 2021, 66, 267-274.	0.8	2
721	A New dispersion entropy and fuzzy logic system methodology for automated classification of dementia stages using electroencephalograms. Clinical Neurology and Neurosurgery, 2021, 201, 106446.	1.4	31
722	Detection of Different Hosts From a Distance Alters the Behaviour and Bioelectrical Activity of Cuscuta racemosa. Frontiers in Plant Science, 2021, 12, 594195.	3.6	21
723	Incorporating Uncertainty in Data Labeling into Automatic Detection of Interictal Epileptiform Discharges from Concurrent Scalp-EEG via Multi-way Analysis. International Journal of Neural Systems, 2021, 31, 2150019.	5.2	11
724	An efficient method for identification of epileptic seizures from EEG signals using Fourier analysis. Physical and Engineering Sciences in Medicine, 2021, 44, 443-456.	2.4	31
725	The Optimal Selection of Mother Wavelet Function and Decomposition Level for Denoising of DCG Signal. Sensors, 2021, 21, 1851.	3.8	31
726	EEG signal classification method based on improved empirical mode decomposition and SVM. Journal of Physics: Conference Series, 2021, 1846, 012054.	0.4	4
727	Editorial: A Wonderful Venue for Networking Neuroscience and Computational Intelligence. International Journal of Neural Systems, 2021, 31, 2103005.	5.2	0

#	ARTICLE	IF	CITATIONS
728	Very large scale integration implementation of seizure detection system with on-chip support vector machine classifier. IET Circuits, Devices and Systems, 0, , .	1.4	0
729	Eye State Identification Based on Discrete Wavelet Transforms. Applied Sciences (Switzerland), 2021, 11, 5051.	2.5	2
730	Epileptic EEG Classification by Using Time-Frequency Images for Deep Learning. International Journal of Neural Systems, 2021, 31, 2150026.	5.2	52
731	Automatic identification of epileptic seizures using volume of phase space representation. Physical and Engineering Sciences in Medicine, 2021, 44, 545-556.	2.4	2
732	A Review of EEG Signal Features and Their Application in Driver Drowsiness Detection Systems. Sensors, 2021, 21, 3786.	3.8	92
733	An Efficient Deep Learning Paradigm for Deceit Identification Test on EEG Signals. ACM Transactions on Management Information Systems, 2021, 12, 1-20.	2.8	5
734	High-Performance Voice Recognition Based on Piezoelectric Polyacrylonitrile Nanofibers. Advanced Electronic Materials, 2021, 7, 2100206.	5.1	22
735	A Deep Fourier Neural Network for Seizure Prediction Using Convolutional Neural Network and Ratios of Spectral Power. International Journal of Neural Systems, 2021, 31, 2150022.	5.2	39
736	Vagus Nerve Electroneurogram-Based Detection of Acute Pentylene-tetrazol Induced Seizures in Rats. International Journal of Neural Systems, 2021, 31, 2150024.	5.2	8
737	Common Spatial Pattern with L21-Norm. Neural Processing Letters, 2021, 53, 3619-3638.	3.2	4
738	Absence Seizure Detection Algorithm for Portable EEG Devices. Frontiers in Neurology, 2021, 12, 685814.	2.4	5
739	Pattern recognition of epilepsy using parallel probabilistic neural network. Applied Intelligence, 2022, 52, 2001-2012.	5.3	4
741	Affective Computing on Machine Learning-Based Emotion Recognition Using a Self-Made EEG Device. Sensors, 2021, 21, 5135.	3.8	14
742	Wavelet skeletons in sleep EEG-monitoring as biomarkers of early diagnostics of mild cognitive impairment. Chaos, 2021, 31, 073110.	2.5	13
743	Robust Perceptual Wavelet Packet Features for Recognition of Continuous Kannada Speech. Wireless Personal Communications, 2021, 121, 1781-1804.	2.7	4
744	Blood-brain barrier permeability changes: nonlinear analysis of ECoG based on wavelet and machine learning approaches. European Physical Journal Plus, 2021, 136, 1.	2.6	10
745	Time-Frequency Decomposition of Scalp Electroencephalograms Improves Deep Learning-Based Epilepsy Diagnosis. International Journal of Neural Systems, 2021, 31, 2150032.	5.2	20
746	Multi-feature fusion method based on WOSF and MSE for four-class MI EEG identification. Biomedical Signal Processing and Control, 2021, 69, 102907.	5.7	6

#	ARTICLE	IF	CITATIONS
747	Automatic detection of epileptic seizure events using the time-frequency features and machine learning. Biomedical Signal Processing and Control, 2021, 69, 102916.	5.7	10
748	Timeâ€“frequency signal processing: Today and future. , 2021, 119, 103216.		25
749	Modified wavelet analysis of ECoG-pattern as promising tool for detection of the bloodâ€“brain barrier leakage. Scientific Reports, 2021, 11, 18505.	3.3	16
750	Synchronization Analysis In Epileptic EEG Signals Via State Transfer Networks Based On Visibility Graph Technique. International Journal of Neural Systems, 2022, 32, 2150041.	5.2	9
751	Universum based Lagrangian twin bounded support vector machine to classify EEG signals. Computer Methods and Programs in Biomedicine, 2021, 208, 106244.	4.7	25
752	Modification of Joint Recurrence Quantification Analysis (JRQA) for assessing individual characteristics from short EEG time series. Chaos, 2021, 31, 093116.	2.5	7
753	Predicting motor behavior: an efficient EEG signal processing pipeline to detect brain states with potential therapeutic relevance for VR-based neurorehabilitation. Virtual Reality, 2023, 27, 347-369.	6.1	9
754	Applicability of Continuous, Stationary, and Discrete Wavelet Transforms in Engineering Signal Processing. Journal of Performance of Constructed Facilities, 2021, 35, .	2.0	9
755	WLnet: Towards an Approach for Robust Workload Estimation Based on Shallow Neural Networks. IEEE Access, 2021, 9, 3165-3173.	4.2	4
756	Summary of over Fifty Years with Brain-Computer Interfacesâ€“A Review. Brain Sciences, 2021, 11, 43.	2.3	93
757	Seizure Onset Detection Using Empirical Mode Decomposition and Common Spatial Pattern. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 458-467.	4.9	43
758	Classification of Epileptic EEG Signal from Normal EEG Using Wavelet Transforms. Lecture Notes in Electrical Engineering, 2021, , 775-784.	0.4	0
759	Application of big data and artificial intelligence approaches in diagnosis and treatment of neuropsychiatric diseases. , 2021, , 305-323.		2
761	EEG Classification by Factoring in Sensor Spatial Configuration. IEEE Access, 2021, 9, 19053-19065.	4.2	13
763	Classification of Electroencephalogram Signals Using Wavelet Transform and Particle Swarm Optimization. Lecture Notes in Computer Science, 2014, , 352-362.	1.3	2
764	Detection of Epileptic Seizure in EEG Using Sparse Representation and EMD. Lecture Notes in Computer Science, 2017, , 516-523.	1.3	1
765	Classification of EEG Signals Using Sampling Techniques and Least Square Support Vector Machines. Lecture Notes in Computer Science, 2009, , 375-382.	1.3	30
766	Adaptive Fuzzy Inference Neural Network System for EEG Signal Classification. Intelligent Systems Reference Library, 2010, , 453-471.	1.2	3

#	ARTICLE	IF	CITATIONS
767	Wavelet-Chaos-Neural Network Models for EEG-Based Diagnosis of Neurological Disorders. Lecture Notes in Computer Science, 2010, , 1-11.	1.3	5
768	Latency Study of Seizure Detection. Advances in Intelligent and Soft Computing, 2012, , 129-136.	0.2	3
769	EEG Signals Classification Using a Hybrid Method Based on Negative Selection and Particle Swarm Optimization. Lecture Notes in Computer Science, 2012, , 427-438.	1.3	8
770	An Empirical Analysis of Training Algorithms of Neural Networks: A Case Study of EEG Signal Classification Using Java Framework. Advances in Intelligent Systems and Computing, 2015, , 151-160.	0.6	12
771	Spectral and Time-Frequency Analysis. , 2019, , 89-116.		16
772	Classification of epileptic electroencephalogram signals using tunable-Q wavelet transform based filter-bank. Journal of Ambient Intelligence and Humanized Computing, 2024, 15, 877-891.	4.9	15
773	A novel wavenets long short term memory paradigm for wind power prediction. Applied Energy, 2020, 269, 115098.	10.1	115
774	Cross-database evaluation of EEG based epileptic seizures detection driven by adaptive median feature baseline correction. Clinical Neurophysiology, 2020, 131, 1567-1578.	1.5	12
775	Absence seizure susceptibility correlates with pre-ictal $\delta^2$ oscillations. Journal of Physiology (Paris), 2016, 110, 372-381.	2.1	23
777	Multiresolution analysis on nonlinear complexity measurement of EEG signal for epileptic discharge monitoring. Malaysian Journal of Fundamental and Applied Sciences, 2018, 14, 219-225.	0.8	2
778	RELEVANCE OF WAVELETS AND INVERSE PROBLEMS TO BRAIN. , 2011, , .		1
779	An Impactful Journal on Epilepsy Research at the Intersection of Clinical, Engineering and Data Sciences. International Journal of Neural Systems, 2020, 30, 2003004.	5.2	1
780	Roles of Very Fast Ripple (500â€“1000Hz) in the Hippocampal Network During Status Epilepticus. International Journal of Neural Systems, 2021, 31, 2150002.	5.2	6
781	Detection of Epileptic Seizure Using Pretrained Deep Convolutional Neural Network and Transfer Learning. European Neurology, 2020, 83, 602-614.	1.4	107
782	EEG-based classification of epilepsy and PNES: EEG microstate and functional brain network features. Brain Informatics, 2020, 7, 6.	3.0	40
783	Detection of Pre-stage of Epileptic Seizure by Exploiting Temporal Correlation of EMD Decomposed EEG Signals. Journal of Medical and Bioengineering, 2015, 4, 110-116.	0.5	13
784	Minimum Feature Selection for Epileptic Seizure Classification using Wavelet-based Feature Extraction and a Fuzzy Neural Network. Applied Mathematics and Information Sciences, 2014, 8, 1295-1300.	0.5	12
785	Dimensionality Reduction Techniques for Processing Epileptic Encephalographic Signals. Biomedical and Pharmacology Journal, 2015, 8, 103-106.	0.5	20

#	ARTICLE	IF	CITATIONS
786	A wavelet-based technique to predict treatment outcome for Major Depressive Disorder. PLoS ONE, 2017, 12, e0171409.	2.5	120
787	Characterisation of ictal and interictal states of epilepsy: A system dynamic approach of principal dynamic modes analysis. PLoS ONE, 2018, 13, e0191392.	2.5	8
788	Epilepsy Detection Using DWT Based Hurst Exponent and SVM, K-NN Classifiers. Serbian Journal of Experimental and Clinical Research, 2018, 19, 311-319.	0.1	5
789	Sub-band decomposition of EEG signals and Feature Extraction for Epilepsy Classification. International Journal of Advanced Research in Computer and Communication Engineering, 2015, , 108-111.	0.2	4
790	Linear Block Coding and Discrete Wavelet Transform Based Audio Signal Transmission over AWGN and Rician Fading Channels. Balkan Journal of Electrical and Computer Engineering, 2019, 7, 104-114.	0.6	1
791	An Efficient Robust Blind Watermarking Method Based on Convolution Neural Networks in Wavelet Transform Domain. International Journal of Machine Learning and Computing, 2020, 10, 675-684.	0.6	7
793	DETERMINATION OF EMOTIONAL STATUS FROM EEG TIME SERIES BY USING EMD BASED LOCAL BINARY PATTERN METHOD. European Journal of Technic, 0, , 313-321.	0.3	1
794	Swarm Negative Selection Algorithm for Electroencephalogram Signals Classification. Journal of Computer Science, 2009, 5, 995-1002.	0.6	4
795	Prosthetic Arm Control with Statistical Features of EEG signals using K-star Algorithm. Journal of Applied Sciences, 2016, 16, 138-145.	0.3	3
796	Automated Classification of Focal and Non-Focal EEG Signals Based on Bivariate Empirical Mode Decomposition. Advances in Medical Technologies and Clinical Practice Book Series, 2018, , 13-33.	0.3	12
797	Real-time Detection of Precursors to Epileptic Seizures: Non-Linear Analysis of System Dynamics. Journal of Medical Signals and Sensors, 2014, 4, 103.	1.0	4
798	A Simple Wavelet Method for Automated Detection of Epileptic Neural Spikes in Electroencephalogram. Advances in Information Sciences and Service Sciences, 2010, 2, 84-92.	0.1	5
799	Selection of a Suitable Wavelet for Cognitive Memory Using Electroencephalograph Signal. Engineering, 2013, 05, 15-19.	0.8	25
800	A review of developments of EEG-based automatic medical support systems for epilepsy diagnosis and seizure detection. Journal of Biomedical Science and Engineering, 2011, 04, 788-796.	0.4	23
801	Exploiting Patterns for Handling Incomplete Coevolving EEG Time Series. International Journal of Contents, 2013, 9, 1-10.	0.1	3
802	Classification of EEG signals using Hyperbolic Tangent-Tangent Plot. International Journal of Intelligent Systems and Applications, 2014, 6, 39-45.	1.1	1
804	A Hybrid Algorithm for the Initialization of Wavelet Neural Networks: Application in Epileptic Seizure Classification. International Journal of Applied Physics and Mathematics, 0, , 352-358.	0.3	4
805	A Comparative Study on Classification Methods of Sleep Stages by Using EEG. Journal of Korea Multimedia Society, 2014, 17, 113-123.	0.2	8

#	ARTICLE	IF	CITATIONS
806	Recent Developments in Diagnosis of Epilepsy: Scope of MicroRNA and Technological Advancements. Biology, 2021, 10, 1097.	2.8	16
807	A Vector Quantization-Based Spike Compression Approach Dedicated to Multichannel Neural Recording Microsystems. International Journal of Neural Systems, 2021, , 2250001.	5.2	5
808	Detecting Phase-Synchrony Connectivity Anomalies in EEG Signals. Application to Dyslexia Diagnosis. Sensors, 2021, 21, 7061.	3.8	5
809	Relevance Vector Machine Applied to EEG Signals Classification. , 2008, , .		1
810	Intelligent Decision Support System for Classification of Eeg Signals Using Wavelet Coefficients. , 0, , .		2
811	Classification of Seizures in EEG Using Wavelet-Chaos Methodology and Genetic Algorithm. IFMBE Proceedings, 2009, , 564-567.	0.3	0
813	Wavelet-Based Minimized Feature Selection for Motor Imagery Classification. The Journal of the Korea Contents Association, 2010, 10, 27-34.	0.1	2
814	Epileptic Seizure Detection in EEG Using Time Variant Autoregressive Models. IFMBE Proceedings, 2011, , 1128-1131.	0.3	0
815	Automatic Detection of Paroxysms in EEG Signals Using Morphological Descriptors and Artificial Neural Networks. , 0, , .		5
816	Evidence-Based Combination of Weighted Classifiers Approach for Epileptic Seizure Detection using EEG Signals. International Journal of Knowledge Discovery in Bioinformatics, 2012, 3, 27-44.	0.8	0
817	A Wavelet-based Energetic Approach for the Analysis of Electroencephalogram. MaÇŞallatî ÇŞÄmiÊzatî Al-Sulá1Än QÄbÄ«s Li-l-buá,¥Ä«á1 Al-Êilmiyyatî Al-ÊzulÄ«m Wa-al-handasatî, 2017, 17, 232.	0.1	2
818	New Models for ICT-Based Medical Diagnosis. , 2013, , 892-911.		1
819	Electroencephalogram Lifting Recognition Using Unsupervised Gray-Based Competitive Clustering Networks. Lecture Notes in Electrical Engineering, 2013, , 95-103.	0.4	1
820	Wavelet Filter Proposal to Attenuate the Background Activity and High Frequencies in EEG Signals. , 2013, , .		0
822	EEG Signal Classification for Motor Imagery. International Journal of Advancements in Computing Technology, 2013, 5, 264-273.	0.1	2
823	WEBSpike: A New Proposition of Deterministic Finite Automata and Parallel Algorithm Based Web Application for EEG Spike Recognition. International Journal of Information Technology and Computer Science, 2013, 5, 93-102.	1.0	0
825	Violinists Playing with and without Music Notation: Investigating Hemispheric Brainwave Activity. Studies in Computational Intelligence, 2014, , 153-169.	0.9	1
828	Epileptic Seizure Detection using Spike Information of Intrinsic Mode Functions with Neural Network. International Journal of Engineering Research & Technology, 2015, V4, .	0.2	0

#	ARTICLE	IF	CITATIONS
829	Prediction and Detection of Epileptic Seizure. Advances in Bioinformatics and Biomedical Engineering Book Series, 2016, , 314-336.	0.4	0
830	A Study of Pattern Recognition in Children Using Single-Channel Electroencephalogram for Specialized Electroencephalographic Devices. IEJ Transactions on Electronics, Information and Systems, 2016, 136, 1047-1055.	0.2	0
831	Neurodynamics and Ion Channels: A Tutorial. , 2016, , 135-148.		0
832	PARAVALVULAR KAĞIT AKLI MEKANİK KALP KAPAK SES SİNYALLERİNİN AYRIK DALGACIK DİFERANSİYEL ANALİZİYLE İNCELENMESİ. Konya Journal of Engineering Sciences, 2016, 4, 65-65.	0.3	0
833	Hyperemesis Gravidarum and Cerebral Electrophysiology Determination of Cerebral Localization through Electroencephalography Signal Processing. Turk Noroloji Dergisi = Turkish Journal of Neurology, 2016, 22, 73-79.	0.3	1
834	A Study on the Relationship between Seizure Recurrence and EEG for Epilepsy. Korean Journal of Clinical Laboratory Science, 2016, 48, 388-393.	0.3	0
835	Controlling Prosthetic Limb Movements Using EEG Signals. Advances in Computational Intelligence and Robotics Book Series, 2017, , 211-233.	0.4	0
837	Intelligent Epileptiform Transients of EEG Signal Classifier. International Journal of Engineering and Technology, 2017, 9, 3958-3966.	0.1	0
839	Accuracy Enhancement of the Epileptic Seizure Detection in EEG Signals. Applied Mathematics and Information Sciences, 2017, 11, 1693-1702.	0.5	1
840	Study of Feature Extraction Algorithms for Epileptic Seizure Prediction Based on SVM. Lecture Notes in Electrical Engineering, 2019, , 2370-2377.	0.4	3
841	Research on Brain Signals via Artificial Neural Network and Swarm Intelligence Algorithms. International Journal of Applied Mathematics Electronics and Computers, 2019, 7, 27-37.	0.3	0
843	Parametric Bispectral Estimation of EEG Signals in Disorders of Consciousness. , 2019, , .		1
844	Development of an EEG signal analysis application through a convolution of a complex Morlet wavelet: preliminary results. ReCIBE, 2019, 8, B1-1-B1-19.	0.2	0
845	Using Neural Network with Random Weights and Mutual Information for Systolic Peaks Classification of PPC Signals. , 2020, , .		1
846	Epileptic Seizure Detection Using Machine Learning Techniques. Advances in Intelligent Systems and Computing, 2021, , 255-266.	0.6	0
847	Exploring the Performance of EEG Signal Classifiers for Alcoholism. Advances in Intelligent Systems and Computing, 2021, , 133-148.	0.6	0
848	Editorial: The Classification of Thoughts and IJNS. International Journal of Neural Systems, 2021, 31, 2103011.	5.2	0
849	A Feature Fusion Approach for Multiple Signal Classification. , 2020, , .		1



#	ARTICLE	IF	CITATIONS
850	Fuzzy entropy as a measure of EEG complexity during Rajayoga practice in long-term meditators. , 2020, , .		1
851	Feature Space Reduction, using PCA in the Algorithm for Epilepsy Detection, using an Adaptive Neuro-Fuzzy Inference System and Comparative Analysis. Acta Polytechnica Hungarica, 2020, 17, 89-107.	2.9	3
852	Design and Simulation of an Efficient FPGA Based Epileptic Seizure Detection System. Lecture Notes in Electrical Engineering, 2020, , 181-189.	0.4	0
853	Identification of Epileptic Seizure in EEG Signals Using DWT and ANN. , 2020, , .		1
854	Classification of Epilepsy Types from Electroencephalogram Time Series Using Continuous Wavelet Transform Scalogram-Based Convolutional Neural Network. Journal of Testing and Evaluation, 2021, 49, 2491-2506.	0.7	1
856	Classification of Surface Electromyogram Signals Acquired from the Forearm of a Healthy Volunteer. Advances in Medical Technologies and Clinical Practice Book Series, 0, , 315-333.	0.3	1
857	Data-Mining of Time-Domain Features from Neural Extracellular Field Data. Studies in Computational Intelligence, 2008, , 119-140.	0.9	4
858	EEG feature selection for ADHD detection in children. , 2020, , .		2
859	Vectored electroencephalograms. Psychiatry, 2005, 2, 10-2.	0.3	3
860	Real-time Detection of Precursors to Epileptic Seizures: Non-Linear Analysis of System Dynamics. Journal of Medical Signals and Sensors, 2014, 4, 103-12.	1.0	2
861	Semi-supervised automatic seizure detection using personalized anomaly detecting variational autoencoder with behind-the-ear EEG. Computer Methods and Programs in Biomedicine, 2022, 213, 106542.	4.7	21
862	Simple Detection of Epilepsy From EEG Signal Using Local Binary Pattern Transition Histogram. IEEE Access, 2021, 9, 150252-150267.	4.2	13
863	Smoothness Priority Approach Based Epileptic Seizure Classification Using ANN. , 2020, , .		1
864	Attention-based Graph ResNet with focal loss for epileptic seizure detection. Journal of Ambient Intelligence and Smart Environments, 2022, 14, 61-73.	1.4	2
865	The fast continuous wavelet transformation (fCWT) for real-time, high-quality, noise-resistant time-frequency analysis. Nature Computational Science, 2022, 2, 47-58.	8.0	39
867	Determining the Role of Synchrony Dynamics in Epileptic Brain Networks. , 2022, , 1-28.		0
868	Convolutional neural network based on recurrence plot for EEG recognition. Chaos, 2021, 31, 123120.	2.5	4
869	Significant Low-Dimensional Spectral-Temporal Features for Seizure Detection. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 668-677.	4.9	18



#	ARTICLE	IF	CITATIONS
870	Epileptic Seizure Detection Using Brain-Rhythmic Recurrence Biomarkers and ONASNet-Based Transfer Learning. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 979-989.	4.9	12
871	Multiview Feature Fusion Representation for Interictal Epileptiform Spikes Detection. International Journal of Neural Systems, 2022, 32, 2250014.	5.2	4
872	Bubble transfer spectral entropy and its application in epilepsy EEG analysis. Communications in Nonlinear Science and Numerical Simulation, 2022, 110, 106294.	3.3	2
873	Classification of EEG Signals in Neuromarketing Implementation Task. , 2021, , .		0
874	Modeling the efficacy of different anti-angiogenic drugs on treatment of solid tumors using 3D computational modeling and machine learning. Computers in Biology and Medicine, 2022, 146, 105511.	7.0	10
876	A study of deep learning approach for the classification of electroencephalogram (EEG) brain signals. , 2022, , 133-144.		12
877	Improved ensemble learning model with optimal feature selection for automated epileptic seizure detection. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2023, 11, 135-165.	1.9	1
878	Spatial Enhanced Pattern Through Graph Convolutional Neural Network for Epileptic EEG Identification. International Journal of Neural Systems, 2022, 32, .	5.2	10
879	Multi-channel neuro signal classification using Adam-based coyote optimization enabled deep belief network. Biomedical Signal Processing and Control, 2022, 77, 103774.	5.7	3
880	Epileptic Seizure Prediction Using Deep Neural Networks Via Transfer Learning and Multi-Feature Fusion. International Journal of Neural Systems, 2022, 32, .	5.2	22
881	Epileptic-seizure onset detection using PARAFAC model with cross-wavelet transformation on multi-channel EEG. Physical and Engineering Sciences in Medicine, 2022, , .	2.4	3
882	Temporal Phase Synchrony Disruption inÂDyslexia: Anomaly Patterns inÂAuditory Processing. Lecture Notes in Computer Science, 2022, , 13-22.	1.3	2
885	Interpretability and Optimisation of Convolutional Neural Networks Based on Sinc-Convolution. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 1758-1769.	6.3	3
886	Deep Convolution Generative Adversarial Network-Based Electroencephalogram Data Augmentation for Post-Stroke Rehabilitation with Motor Imagery. International Journal of Neural Systems, 2022, 32, .	5.2	18
887	Detection of Alzheimerâ€™s Dementia by Using Signal Decomposition and Machine Learning Methods. International Journal of Neural Systems, 2022, 32, .	5.2	9
889	A Review of Research on Feature Extraction for Emotion Recognition Based on EEG Signals. , 2022, , .		0
890	Automatic Seizure Identification from EEG Signals Based on Brain Connectivity Learning. International Journal of Neural Systems, 2022, 32, .	5.2	14
891	Epileptic Seizure Classification Using Combined Labels and a Genetic Algorithm. , 2022, , .		2

#	ARTICLE	IF	CITATIONS
892	Extreme value theory inspires explainable machine learning approach for seizure detection. Scientific Reports, 2022, 12, .	3.3	10
893	EPILEPTIC SEIZURE PREDICTION USING WAVELET TRANSFORM, FRACTAL DIMENSION, SUPPORT VECTOR MACHINE, AND EEG SIGNALS. Fractals, 2022, 30, .	3.7	4
894	Coordinating heterogeneous mobile sensing platforms for effectively monitoring a dispersed gas plume. Integrated Computer-Aided Engineering, 2022, , 1-19.	4.6	3
895	EEG signal classification via pinball universum twin support vector machine. Annals of Operations Research, 2023, 328, 451-492.	4.1	6
896	Clustered event related spectral perturbation (ERSP) feature in right hand motor imagery classification. Frontiers in Neuroscience, 0, 16, .	2.8	0
897	EEG signal classification using improved intuitionistic fuzzy twin support vector machines. Neural Computing and Applications, 2024, 36, 163-179.	5.6	1
898	Multimodal Emotion Classification Method and Analysis of Brain Functional Connectivity Networks. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 2022-2031.	4.9	2
899	Detection of Epilepsy Using Adaptive Neuro-Fuzzy Inference System and Comparative Analysis. Studies in Systems, Decision and Control, 2022, , 251-280.	1.0	0
900	Epileptic Seizure Detection Based on Variational Mode Decomposition and Deep Forest Using EEG Signals. Brain Sciences, 2022, 12, 1275.	2.3	10
901	An ensemble deep learning approach to evaluate haptic delay from a single trial EEG data. Frontiers in Robotics and AI, 0, 9, .	3.2	1
902	Machine Learning and Deep Learning Techniques for Epileptic Seizures Prediction: A Brief Review. Lecture Notes in Networks and Systems, 2023, , 13-21.	0.7	0
903	Investigation of the Effects of Two and Three Dimensional Paradigms on Event-Related Potentials Using Wavelet Transform Based Method. European Journal of Science and Technology, 0, , .	0.5	0
904	A robust epilepsy diagnosis method based on SDAE and CatBoost. , 2022, , .		0
905	Detecting epileptic seizures using machine learning and interpretable features of human EEG. European Physical Journal: Special Topics, 2023, 232, 673-682.	2.6	5
906	Human Perception Intelligent Analysis Based on EEG Signals. Electronics (Switzerland), 2022, 11, 3774.	3.1	0
907	LightSeizureNet: A Lightweight Deep Learning Model for Real-Time Epileptic Seizure Detection. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 1845-1856.	6.3	8
908	A Novel Approach for Multichannel Epileptic Seizure Classification Based on Internet of Things Framework Using Critical Spectral Verge Feature Derived from Flower Pollination Algorithm. Sensors, 2022, 22, 9302.	3.8	2
909	Six-Center Assessment of CNN-Transformer with Belief Matching Loss for Patient-Independent Seizure Detection in EEG. International Journal of Neural Systems, 2023, 33, .	5.2	6

#	ARTICLE	IF	CITATIONS
910	Dual-Modal Information Bottleneck Network for Seizure Detection. International Journal of Neural Systems, 2023, 33, .	5.2	9
911	Epileptic seizure prediction and classification based on statistical features using LSTM fully connected neural network. Journal of Intelligent and Fuzzy Systems, 2023, , 1-18.	1.4	1
912	Application of Wavelet Transform and Fractal Analysis for Esophageal pH-Metry to Determine a New Method to Diagnose Gastroesophageal Reflux Disease. Applied Sciences (Switzerland), 2023, 13, 214.	2.5	0
913	Seizure Classification Using BERT NLP and a Comparison of Source Isolation Techniques with Two Different Time-Frequency Analysis. , 2022, , .		0
914	Compact Convolutional Neural Network with Multi-Headed Attention Mechanism for Seizure Prediction. International Journal of Neural Systems, 2023, 33, .	5.2	11
915	Epileptic EEG Identification Based on Dual Q-Factor Signal Decomposition (DQSD), Fast and Adaptive Multivariate Empirical Mode Decomposition (FA-MVEMD) and Neural Networks. Circuits, Systems, and Signal Processing, 2023, 42, 3552-3588.	2.0	0
916	Microstates of Dynamic Directed Connectivity Networks Revealing Visual Color Influences on the Brain Information Processing During Learning. IEEE Access, 2023, 11, 14256-14273.	4.2	0
917	Determining the Role of Synchrony Dynamics in Epileptic Brain Networks. , 2023, , 3237-3264.		0
918	Designing an Embedded Feature Selection Algorithm for a Drowsiness Detector Model Based on Electroencephalogram Data. Sensors, 2023, 23, 1874.	3.8	2
919	MRCPPs-and-ERS/D-Oscillations-Driven Deep Learning Models for Decoding Unimanual and Bimanual Movements. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2023, 31, 1384-1393.	4.9	2
920	An automated epileptic seizure detection using optimized neural network from EEG signals. Expert Systems, 2023, 40, .	4.5	5
921	AI-Based Epileptic Seizure Detection and Prediction in Internet of Healthcare Things: A Systematic Review. IEEE Access, 2023, 11, 30690-30725.	4.2	4
922	Unsupervised Feature Representation Based on Deep Boltzmann Machine for Seizure Detection. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2023, 31, 1624-1634.	4.9	4
923	An Efficient Classification of Focal and Non-Focal EEG Signals Using Adaptive DCT Filter Bank. Circuits, Systems, and Signal Processing, 0, , .	2.0	0
924	Farklı Dalgacık Dönüşümü ve Farklı Türevleri Kullanılarak COVID-19'un Olay Öncesi P300 Potansiyeli Açısındaki Etkisinin İncelenmesi. Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 0, , .	0.3	0
925	Robust Automatic Speech Recognition System for the Recognition of Continuous Kannada Speech Sentences in the Presence of Noise. Wireless Personal Communications, 2023, 130, 2039-2058.	2.7	2
926	Human Emotion Classification based on EEG Signals Using Recurrent Neural Network And KNN. International Journal of Next-generation Computing, 0, , .	1.1	0
927	An Auxiliary Synthesis Framework for Enhancing EEG-Based Classification With Limited Data. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2023, 31, 2120-2131.	4.9	1

#	ARTICLE	IF	CITATIONS
928	An IoT-Based Novel Hybrid Seizure Detection Approach for Epileptic Monitoring. IEEE Transactions on Industrial Informatics, 2024, 20, 1420-1431.	11.3	2
929	Detection of Depression Using Weighted Spectral Graph Clustering With EEG Biomarkers. IEEE Access, 2023, 11, 57880-57894.	4.2	0
930	Block-level effect: caused by time-depend nature of Electroencephalogram. , 2023, , .		0
931	Linear mixed-effect models for correlated response to process electroencephalogram recordings. Cognitive Neurodynamics, 0, , .	4.0	0
932	EEG phase synchronization during absence seizures. Frontiers in Neuroinformatics, 0, 17, .	2.5	0
933	Evaluation of Unsupervised Anomaly Detection Techniques in Labelling Epileptic Seizures on Human EEG. Applied Sciences (Switzerland), 2023, 13, 5655.	2.5	6
934	Comprehensive Survey of Deep Learning Applications in the Diagnosis of Epilepsy. Lecture Notes in Networks and Systems, 2023, , 443-452.	0.7	1
935	An approach for ideal detection of Epileptic Seizures using CAD techniques - DWT, LDA and Machine Learning algorithms. , 2022, , .		0
936	Feature engineering of EEG applied to mental disorders: a systematic mapping study. Applied Intelligence, 2023, 53, 23203-23243.	5.3	1
937	Feature ranking chi-square method to improve the epileptic seizure prediction by employing machine learning algorithms. Waves in Random and Complex Media, 0, , 1-27.	2.7	1
938	Epileptic Seizure Prediction Using Attention Augmented Convolutional Network. International Journal of Neural Systems, 2023, 33, .	5.2	4
939	Electroencephalographic Characterization by Covariance Analysis in Men with Parkinsonâ€™s Disease Reveals Sex- and Age-Related Differences. Applied Sciences (Switzerland), 2023, 13, 9618.	2.5	0
940	Hybrid Network for Patient-Specific Seizure Prediction from EEG Data. International Journal of Neural Systems, 2023, 33, .	5.2	1
941	An ECG Signal Acquisition and Analysis System Based on Machine Learning with Model Fusion. Sensors, 2023, 23, 7643.	3.8	0
942	A novel SVMA and K-NN classifier based optical ML technique for seizure detection. Optical and Quantum Electronics, 2023, 55, .	3.3	4
943	A self-attention model for cross-subject seizure detection. Computers in Biology and Medicine, 2023, 165, 107427.	7.0	1
944	Lightweight Seizure Detection Based on Multi-Scale Channel Attention. International Journal of Neural Systems, 0, , .	5.2	0
945	Prediction of Empathy Induced by Synthesized Speech using Hilbert Marginal Spectrum Analysis. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
946	Prognostic Detection of Epilepsy Using ML and Deep Learning Algorithms. Cognitive Science and Technology, 2023, , 669-683.	0.4	0
947	Consumer-Grade Electroencephalogram and Functional Near-Infrared Spectroscopy Neurofeedback Technologies for Mental Health and Wellbeing. Sensors, 2023, 23, 8482.	3.8	1
948	Smart Societal Optimization-based Deep Learning Convolutional Neural Network Model for Epileptic Seizure Prediction. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 0, , 1-18.	1.9	0
949	Epileptic EEG Labeling with Anomaly Detection Machine Learning Algorithms. , 2023, , .		0
950	A new epileptic seizure prediction model based on maximal overlap discrete wavelet packet transform, homogeneity index, and machine learning using ECG signals. Biomedical Signal Processing and Control, 2024, 88, 105659.	5.7	1
951	Electrogastrography in patients with gastric motility disorders. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 0, , .	1.8	0
952	Machine Learning-Driven Threshold Optimization for Wavelet Packet Denoising in EEG-Based Mental State Classification. , 2023, , .		0
953	An efficient approach for denoising EOG artifact through optimal wavelet selection. International Journal of Information Technology (Singapore), 0, , .	2.7	0
954	Utilization of Artifact and Noise Affected Electrocardiogram for Simultaneous Heart Rate Computation and Motion Type Inference. , 2023, , .		0
955	A review on semi-supervised learning for EEG-based emotion recognition. Information Fusion, 2024, 104, 102190.	19.1	0
956	Disrupted organization of dynamic functional networks with application in epileptic seizure recognition. Neuroscience Informatics, 2024, 4, 100153.	4.5	0
957	An overview of machine learning and deep learning techniques for predicting epileptic seizures. Journal of Integrative Bioinformatics, 2023, , .	1.5	0
958	Epileptic Seizure Detection with an End-to-End Temporal Convolutional Network and Bidirectional Long Short-Term Memory Model. International Journal of Neural Systems, 2024, 34, , .	5.2	0
959	The applied principles of EEG analysis methods in neuroscience and clinical neurology. Military Medical Research, 2023, 10, , .	3.4	1
960	Robust Perceptual Wavelet Packet Features for the Recognition of Spontaneous Kannada Sentences. Wireless Personal Communications, 0, , , .	2.7	0
961	Diagnosis of schizophrenia based on transformation from EEG sub-bands to the image with deep learning architecture. Soft Computing, 0, , , .	3.6	0
962	Evaluation of Brain Electrical Activity of Visual Working Memory with Time-Frequency Analysis. Clinical EEG and Neuroscience, 0, , , .	1.7	1
963	Implementation of a non-linear SVM classification for seizure EEG signal analysis on FPGA. Engineering Applications of Artificial Intelligence, 2024, 131, 107826.	8.1	0

#	ARTICLE	IF	CITATIONS
964	Epileptic Seizure Classification Based on Random Neural Networks Using Discrete Wavelet Transform for Electroencephalogram Signal Decomposition. Applied Sciences (Switzerland), 2024, 14, 599.	2.5	0
965	METHODOLOGY FOR BUILDING A COMPUTERIZED ADVISORY EXPERT SYSTEM FOR THE DIAGNOSIS OF EPILEPSY IN CHILDREN. Bio-Medical Engineering, 2024, 57, 353-357.	0.5	0
966	Classification of epileptic based on fast Fourier transform and ensemble model. AIP Conference Proceedings, 2024, , .	0.4	0
967	Black-white hole pattern: an investigation on the automated chronic neuropathic pain detection using EEG signals. Cognitive Neurodynamics, 0, , .	4.0	0
968	Classification and automatic scoring of arousal intensity during sleep stages using machine learning. Scientific Reports, 2024, 14, .	3.3	0