Indications of nonlinear deterministic and finite-dimensional activity: Dependence on recording regions

Physical Review E 64, 061907

DOI: 10.1103/physreve.64.061907

Citation Report

#	Article	IF	CITATIONS
1	Characterizing the spatio-temporal dynamics of the epileptogenic process with nonlinear EEG analyses. , 0, , .		2
2	Seizure prediction by nonlinear EEG analysis. IEEE Engineering in Medicine and Biology Magazine, 2003, 22, 57-63.	0.8	127
3	Dynamical regimes underlying epileptiform events: role of instabilities and bifurcations in brain activity. Physica D: Nonlinear Phenomena, 2003, 186, 205-220.	2.8	49
4	Discerning nonstationarity from nonlinearity in seizure-free and preseizure EEG recordings from epilepsy patients. IEEE Transactions on Biomedical Engineering, 2003, 50, 634-639.	4.2	32
5	Stochastic processes of demarkovization and markovization in chaotic signals of human brain electric activity from EEGs during epilepsys. Journal of Experimental and Theoretical Physics, 2003, 96, 572-580.	0.9	2
6	Signal nonlinearity in fMRI: a comparison between BOLD and MION. IEEE Transactions on Medical Imaging, 2003, 22, 636-644.	8.9	49
7	Inability of Lyapunov Exponents to Predict Epileptic Seizures. Physical Review Letters, 2003, 91, 068102.	7.8	66
8	Bivariate surrogate techniques: Necessity, strengths, and caveats. Physical Review E, 2003, 68, 066202.	2.1	107
9	Estimation of interaction strength and direction from short and noisy time series. Physical Review E, 2003, 68, 046209.	2.1	108
10	Indications of nonlinear structures in brain electrical activity. Physical Review E, 2003, 67, 046204.	2.1	95
11	Pattern detection by cellular neuronal networks (CNN) in long-term recordings of a brain electrical activity in epilepsy. , 0, , .		2
12	Controlled test for predictive power of Lyapunov exponents: Their inability to predict epileptic seizures. Chaos, 2004, 14, 630-642.	2.5	47
13	Estimating measurement noise in a time series by exploiting nonstationarity. Chaos, Solitons and Fractals, 2004, 22, 807-819.	5.1	26
14	Epileptic detection using artificial neural networks. , 0, , .		5
15	Fluctuation Dynamics in Electroencephalogram Time Series. Lecture Notes in Computer Science, 2005, , 195-202.	1.3	3
16	Mutifractal Analysis of Electroencephalogram Time Series in Humans. Lecture Notes in Computer Science, 2005, , 921-926.	1.3	4
17	Recurrent neural networks employing Lyapunov exponents for EEG signals classification. Expert Systems With Applications, 2005, 29, 506-514.	7.6	448
18	Adaptive neuro-fuzzy inference system for classification of EEG signals using wavelet coefficients. Journal of Neuroscience Methods, 2005, 148, 113-121.	2.5	539

#	Article	IF	CITATIONS
19	Prediction of Seizure Onset in an In-Vitro Hippocampal Slice Model of Epilepsy Using Gaussian-Based and Wavelet-Based Artificial Neural Networks. Annals of Biomedical Engineering, 2005, 33, 798-810.	2.5	22
20	Artificial Neural Network Based Epileptic Detection Using Time-Domain and Frequency-Domain Features. Journal of Medical Systems, 2005, 29, 647-660.	3.6	360
21	Correlation dimension and integral do not predict epileptic seizures. Chaos, 2005, 15, 033106.	2.5	50
22	A Mixture of Experts Network Structure for EEG Signals Classification. , 2005, 2005, 2707-10.		11
23	Approximate Entropy of the Electroencephalogram in Healthy Awake Subjects and Absence Epilepsy Patients. Clinical EEG and Neuroscience, 2005, 36, 188-193.	1.7	37
24	Seizure Prediction in Epilepsy. Bioelectric Engineering, 2005, , 389-419.	0.7	2
25	Analysis of regularity in the EEG background activity of Alzheimer's disease patients with Approximate Entropy. Clinical Neurophysiology, 2005, 116, 1826-1834.	1.5	215
26	EEG nonstationarity during intracranially recorded seizures: statistical and dynamical analysis. Clinical Neurophysiology, 2005, 116, 1796-1807.	1.5	42
27	Nonlinear dynamical analysis of EEG and MEG: Review of an emerging field. Clinical Neurophysiology, 2005, 116, 2266-2301.	1.5	1,209
28	Estimation of coupling between oscillators from short time series via phase dynamics modeling: Limitations and application to EEG data. Chaos, 2005, 15, 024102.	2.5	34
29	Eigenvector Methods For Automated Detection Of Time-Varying Biomedical Signals., 0, , .		0
30	Elman neural networks for dynamic modeling of epileptic EEG. , 2006, 2006, 6145-8.		3
31	The effects of high-frequency oscillations in hippocampal electrical activities on the classification of epileptiform events using artificial neural networks. Journal of Neural Engineering, 2006, 3, 9-20.	3.5	22
32	A Stochastic Iterative Amplitude Adjusted Fourier Transform algorithm with improved accuracy. Nonlinear Processes in Geophysics, 2006, 13, 321-328.	1.3	58
33	Approximate entropy and mutual information analysis of the electroencephalogram in Alzheimer's disease patients., 2006,, 2.		5
34	Improved spatial characterization of the epileptic brain by focusing on nonlinearity. Epilepsy Research, 2006, 69, 30-44.	1.6	74
35	A non-subjective approach to the GP algorithm for analysing noisy time series. Physica D: Nonlinear Phenomena, 2006, 215, 137-145.	2.8	59
36	A distributed computing system for multivariate time series analyses of multichannel neurophysiological data. Journal of Neuroscience Methods, 2006, 152, 190-201.	2.5	18

#	Article	IF	CITATIONS
37	Context Based Error Modeling for Lossless Compression of EEG Signals Using Neural Networks. Journal of Medical Systems, 2006, 30, 439-448.	3.6	27
39	Fuzzy Similarity Index For Discrimination Of EEG Signals. , 2006, 2006, 5346-9.		4
40	Detecting Determinism in EEG Signals using Principal Component Analysis and Surrogate Data Testing. , 2006, 2006, 6209-12.		7
41	A Unifying Explanation of Primary Generalized Seizures Through Nonlinear Brain Modeling and Bifurcation Analysis. Cerebral Cortex, 2006, 16, 1296-1313.	2.9	414
42	NONLINEAR TIME SERIES ANALYSIS IN EPILEPSY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 3305-3323.	1.7	9
43	Multifractal Analysis of Epilepsy in Electroencephalogram. , 2007, , .		3
44	Automatic Recognition of Epilepsy from EEG using Artificial Neural Network and Discrete Wavelet Transform., 2007, , .		1
45	Automatic Seizure Detection Based on Time-Frequency Analysis and Artificial Neural Networks. Computational Intelligence and Neuroscience, 2007, 2007, 1-13.	1.7	358
46	Higher Order Spectral (HOS) Analysis Of Epileptic EEG Signals. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6496-9.	0.5	28
47	Electroencephalogram Background Activity Characterization with Approximate Entropy and Auto Mutual Information in Alzheimer's Disease Patients. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6192-5.	0.5	8
48	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
49	Identifying linear and non-linear behaviour in reduced complexity modelling output using surrogate data methods. Geomorphology, 2007, 90, 356-366.	2.6	7
50	A Method for Detecting Nonlinear Determinism in Normal and Epileptic Brain EEG Signals. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2008-11.	0.5	1
51	Neural Network Based Near- Lossless Compression of EEG Signals with Non Uniform Quantization. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 3236-40.	0.5	11
52	A New Approach for Classification of EEG Signals. , 2007, , .		0
53	Data Mining an EEG Dataset With an Emphasis on Dimensionality Reduction. , 2007, , .		13
54	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
55	Analysis of MEG recordings from Alzheimer's disease patients with sample and multiscale entropies. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6184-7.	0.5	8

#	Article	IF	CITATIONS
56	Manifold Analysis in Reconstructed State Space for Nonlinear Signal Classification., 2007,, 930-937.		4
57	Improved spiking neural networks for EEG classification and epilepsy and seizure detection. Integrated Computer-Aided Engineering, 2007, 14, 187-212.	4.6	339
58	Discrimination of locally stationary time series using wavelets. Computational Statistics and Data Analysis, 2007, 52, 879-895.	1.2	27
59	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
60	EEG signal classification using wavelet feature extraction and a mixture of expert model. Expert Systems With Applications, 2007, 32, 1084-1093.	7.6	956
61	Features extracted by eigenvector methods for detecting variability of EEG signals. Pattern Recognition Letters, 2007, 28, 592-603.	4.2	66
62	Analysis of the magnetoencephalogram background activity in Alzheimer's disease patients with auto-mutual information. Computer Methods and Programs in Biomedicine, 2007, 87, 239-247.	4.7	38
63	Multiclass Support Vector Machines for EEG-Signals Classification. IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 117-126.	3.2	319
64	Approximate Entropy-Based Epileptic EEG Detection Using Artificial Neural Networks. IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 288-295.	3.2	504
65	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
66	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
67	Expert systems for time-varying biomedical signals using eigenvector methods. Expert Systems With Applications, 2007, 32, 1045-1058.	7.6	10
68	A dimensionality reduction technique for efficient time series similarity analysis. Information Systems, 2008, 33, 115-132.	3.6	59
69	Nonlinear analysis of EEG signals: Surrogate data analysis. Irbm, 2008, 29, 239-244.	5.6	16
70	Epilepsy and Nonlinear Dynamics. Journal of Biological Physics, 2008, 34, 253-266.	1.5	97
71	Classification of EEG Recordings by Using Fast Independent Component Analysis and Artificial Neural Network. Journal of Medical Systems, 2008, 32, 17-20.	3.6	48
72	Approximate entropy and auto mutual information analysis of the electroencephalogram in Alzheimer's disease patients. Medical and Biological Engineering and Computing, 2008, 46, 1019-1028.	2.8	111
73	Toward an autonomous platform for spatioâ€temporal EEGâ€signal analysis based on cellular nonlinear networks. International Journal of Circuit Theory and Applications, 2008, 36, 623-639.	2.0	7

#	Article	IF	CITATIONS
74	Implementing eigenvector methods/probabilistic neural networks for analysis of EEG signals. Neural Networks, 2008, 21, 1410-1417.	5.9	19
75	Analysis of EEG signals during epileptic and alcoholic states using AR modeling techniques. Irbm, 2008, 29, 44-52.	5.6	94
76	Optimal classification of epileptic seizures in EEG using wavelet analysis and genetic algorithm. Signal Processing, 2008, 88, 1858-1867.	3.7	151
77	Properties of multivariate data investigated by fractal dimensionality. Journal of Neuroscience Methods, 2008, 172, 27-33.	2.5	11
78	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
79	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
80	Dynamical complexity detection in pre-seismic emissions using nonadditive Tsallis entropy. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 1161-1172.	2.6	81
81	Wavelet/mixture of experts network structure for EEG signals classification. Expert Systems With Applications, 2008, 34, 1954-1962.	7.6	110
82	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
83	Spectral and Nonlinear Analyses of MEG Background Activity in Patients With Alzheimer's Disease. IEEE Transactions on Biomedical Engineering, 2008, 55, 1658-1665.	4.2	69
84	Performance Evaluation of Neural Network and Linear Predictors for Near-Lossless Compression of EEG Signals. IEEE Transactions on Information Technology in Biomedicine, 2008, 12, 87-93.	3.2	53
85	An Adaptive Error Modeling Scheme for the Lossless Compression of EEG Signals. IEEE Transactions on Information Technology in Biomedicine, 2008, 12, 587-594.	3.2	33
86	Using recurrence plot for determinism analysis of EEG recordings in genetic absence epilepsy rats. Clinical Neurophysiology, 2008, 119, 1747-1755.	1.5	103
87	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
88	Parametric power spectrum analysis of epileptic seizure. , 2008, , .		0
89	Model order sensitivity of Burg Method for EEG diagnosis. , 2008, , .		1
90	A comparison of PCA, ICA and LDA in EEG signal classification using SVM. , 2008, , .		6
91	Detection of epilepsy seizures and epileptic indicators in EEG signals. , 2008, , .		0

#	Article	IF	CITATIONS
92	Automated Detection of Epileptic Seizure Using Artificial Neural Network., 2008,,.		1
93	Automatic identification of epilepsy by HOS and power spectrum parameters using EEG signals: A comparative study., 2008, 2008, 3824-7.		28
94	Automated Detection of Epileptic Seizures Using Wavelet Entropy Feature with Recurrent Neural Network Classifier. , 2008, , .		10
95	A rule based approach to classification of EEG datasets: A comparison between ANFIS and rough sets. , 2008, , .		2
96	Signal characterization using Fractal Dimension. , 2008, , .		2
97	Discrimination between Ictal and Seizure-Free EEG Signals Using Empirical Mode Decomposition. Research Letters in Signal Processing, 2008, 2008, 1-5.	0.7	171
98	Measuring Time Series Predictability Using Support Vector Regression. Communications in Statistics Part B: Simulation and Computation, 2008, 37, 1183-1197.	1.2	6
99	On the application of the auto mutual information rate of decrease to biomedical signals. , 2008, 2008, 2137-40.		0
100	Analysis of EEG-signals in epilepsy: Spatio-temporal models. , 2008, , .		1
101	Alterations in sleep EEG activity during the hypopnoea episodes. , 2008, 2008, 3496-9.		1
102	Epileptic seizure detection in EEG recordings using phase congruency., 2008, 2008, 927-30.		6
103	Analysis of nonlinearity in normal and epileptic EEG signals. , 2008, , .		1
104	Characterization of healthy and epileptic brain EEG signals by monofractal and multifractal analysis. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	1
105	Evolving functional network properties and synchronizability during human epileptic seizures. Chaos, 2008, 18, 033119.	2.5	251
106	Are Correlation Dimension and Lyapunov Exponents Useful Tools for Prediction of Epileptic Seizures?. , 2008, , 471-495.		1
107	Deterministic dynamics of neural activity during absence seizures in rats. Physical Review E, 2009, 79, 041146.	2.1	35
108	Implementation of Source and Channel Coding for Power Reduction in Medical Application Wireless Sensor Network., 2009,,.		4
109	Automatic recognition of epileptic seizure in EEG via support vector machine and dimension fractal., 2009, , .		11

#	Article	IF	CITATIONS
110	A combined linear & nonlinear approach for classification of epileptic EEG signals. , 2009, , .		4
111	Interpretation of the auto-mutual information rate of decrease in the context of biomedical signal analysis. Application to electroencephalogram recordings. Physiological Measurement, 2009, 30, 187-199.	2.1	58
112	Automatic identification of epileptic electroencephalography signals using higher-order spectra. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2009, 223, 485-495.	1.8	58
113	Efficient Similarity Join over Multiple Stream Time Series. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 1544-1558.	5.7	5
114	Fine-grained permutation entropy as a measure of natural complexity for time series. Chinese Physics B, 2009, 18, 2690-2695.	1.4	50
115	Epileptic Seizure Detection in EEGs Using Time–Frequency Analysis. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 703-710.	3.2	614
116	Nonlinear features of surface EEG showing systematic brain signal adaptations with muscle force and fatigue. Brain Research, 2009, 1272, 89-98.	2.2	20
117	EEG signal compression based on classified signature and envelope vector sets. International Journal of Circuit Theory and Applications, 2009, 37, 351-363.	2.0	20
118	Pattern classification with mixtures of weighted least-squares support vector machine experts. Neural Computing and Applications, 2009, 18, 843-860.	5.6	4
119	Log Energy Entropy-Based EEG Classification with Multilayer Neural Networks in Seizure. Annals of Biomedical Engineering, 2009, 37, 2626-2630.	2.5	94
120	Cross-correlation aided support vector machine classifier for classification of EEG signals. Expert Systems With Applications, 2009, 36, 1329-1336.	7.6	222
121	Automatic EEG signal classification for epilepsy diagnosis with Relevance Vector Machines. Expert Systems With Applications, 2009, 36, 10054-10059.	7.6	62
122	Comparative study of nonlinear properties of EEG signals of normal persons and epileptic patients. Nonlinear Biomedical Physics, 2009, 3, 6.	1.5	36
123	Probabilistic neural networks combined with wavelet coefficients for analysis of electroencephalogram signals. Expert Systems, 2009, 26, 147-159.	4.5	26
124	Modified mixture of experts employing eigenvector methods and Lyapunov exponents for analysis of electroencephalogram signals. Expert Systems, 2009, 26, 339-354.	4.5	6
125	A new supervised learning algorithm for multiple spiking neural networks with application in epilepsy and seizure detection. Neural Networks, 2009, 22, 1419-1431.	5.9	385
126	A new approach for epileptic seizure detection using adaptive neural network. Expert Systems With Applications, 2009, 36, 172-180.	7.6	29
127	Measuring saliency of features representing EEG signals using signal-to-noise ratios. Expert Systems With Applications, 2009, 36, 501-509.	7.6	8

#	Article	IF	CITATIONS
128	Decision support systems for time-varying biomedical signals: EEG signals classification. Expert Systems With Applications, 2009, 36, 2275-2284.	7.6	44
129	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
130	Use of the Higuchi's fractal dimension for the analysis of MEG recordings from Alzheimer's disease patients. Medical Engineering and Physics, 2009, 31, 306-313.	1.7	131
131	Statistics over features: EEG signals analysis. Computers in Biology and Medicine, 2009, 39, 733-741.	7.0	96
132	On the discrimination of patho-physiological states in epilepsy by means of dynamical measures. Computers in Biology and Medicine, 2009, 39, 1073-1082.	7.0	11
133	Combined neural network model employing wavelet coefficients for EEG signals classification. , 2009, 19, 297-308.		237
134	Analysis of EEG signals by implementing eigenvector methods/recurrent neural networks., 2009, 19, 134-143.		70
135	Automatic detection of electroencephalographic changes using adaptive neuro-fuzzy inference system employing Lyapunov exponents. Expert Systems With Applications, 2009, 36, 9031-9038.	7.6	33
136	Context-based near-lossless compression of EEG signals using neural network predictors. AEU - International Journal of Electronics and Communications, 2009, 63, 311-320.	2.9	16
137	Classification of EEG signals using relative wavelet energy and artificial neural networks., 2009,,.		126
138	An investigation of EEG dynamics in an animal model of temporal lobe epilepsy using the maximum Lyapunov exponent. Experimental Neurology, 2009, 216, 115-121.	4.1	22
139	Analysis of epileptic EEG signals using higher order spectra. Journal of Medical Engineering and Technology, 2009, 33, 42-50.	1.4	106
140	A low-cost real-time closed-loop epileptic seizure monitor and controller. , 2009, , .		3
141	EEG seizure prediction: Measures and challenges. , 2009, 2009, 1864-7.		32
142	Nonlinear Dynamic Indications in Time Series of Epilepsy Electroencephalogram. , 2009, , .		0
143	Application of Fuzzy Similarity Index method in hypnosis analysis. , 2009, , .		1
144	Evolving simple feed-forward and recurrent ANNs for signal classification: A comparison. , 2009, , .		3
145	Nonlinear analysis of electroencephalogram and magnetoencephalogram recordings in patients with Alzheimer's disease. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 317-336.	3.4	155

#	Article	IF	CITATIONS
146	Beamformer-aided processing of EEG signals for analysing epileptic seizures. International Journal of Advanced Media and Communication, 2009, 3, 110.	0.2	8
147	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
148	Epileptic EEG detection using the linear prediction error energy. Expert Systems With Applications, 2010, 37, 5661-5665.	7.6	160
149	Epilepsy seizure detection using eigen-system spectral estimation and Multiple Layer Perceptron neural network. Biomedical Signal Processing and Control, 2010, 5, 147-157.	5.7	56
150	Alterations in Sleep EEG Activity During the Hypopnoea Episodes. Journal of Medical Systems, 2010, 34, 485-491.	3.6	6
151	Canonical bicoherence analysis of dynamic EEG data. Journal of Computational Neuroscience, 2010, 29, 23-34.	1.0	10
152	Modeling of movement-related potentials using a fractal approach. Journal of Computational Neuroscience, 2010, 28, 595-603.	1.0	5
153	A Prediction Approach for Multichannel EEG Signals Modeling Using Local Wavelet SVM. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 1485-1492.	4.7	33
154	Blur invariants: A novel representation in the wavelet domain. Pattern Recognition, 2010, 43, 3950-3957.	8.1	8
155	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
156	Epileptic seizure detection using multiwavelet transform based approximate entropy and artificial neural networks. Journal of Neuroscience Methods, 2010, 193, 156-163.	2.5	363
157	Lyapunov exponents/probabilistic neural networks for analysis of EEG signals. Expert Systems With Applications, 2010, 37, 985-992.	7.6	116
158	Entropies based detection of epileptic seizures with artificial neural network classifiers. Expert Systems With Applications, 2010, 37, 3284-3291.	7.6	157
159	Tackling EEG signal classification with least squares support vector machines: A sensitivity analysis study. Computers in Biology and Medicine, 2010, 40, 705-714.	7.0	56
160	Detection of seizures in EEG using subband nonlinear parameters and genetic algorithm. Computers in Biology and Medicine, 2010, 40, 823-830.	7.0	69
161	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
162	EEG signal classification using PCA, ICA, LDA and support vector machines. Expert Systems With Applications, 2010, 37, 8659-8666.	7.6	1,048
163	Classification of biological signals using linear and nonlinear features. Physiological Measurement, 2010, 31, 903-920.	2.1	47

#	Article	IF	CITATIONS
164	Biological Mechanism of the Locust Jumping Robot. , 2010, , .		2
165	Automatic Seizure Detection Using Higher Order Moments. , 2010, , .		8
166	Analysis of EEG signals using Advanced Generalized Fractal Dimensions. , 2010, , .		11
167	An efficient embedded hardware for high accuracy detection of epileptic seizures. , 2010, , .		11
168	Reduction of irrelevant and redundant data from TFRs for EEG signal classification. , 2010, 2010, 4010-3.		2
169	A Study on Discrete Wavelet-Based Noise Removal from EEG Signals. Advances in Experimental Medicine and Biology, 2010, 680, 593-599.	1.6	36
170	Improved forecasting of time series data of real system using genetic programming., 2010,,.		2
171	Discretization approach to EEG signal classification using Multilayer Perceptron Neural Network model. , 2010, , .		8
172	Advances in EEG Signal Processing for Epilepsy Detection. Lecture Notes in Electrical Engineering, 2010, , 321-334.	0.4	0
173	Analysis and classification of EEG signals using a hybrid clustering technique. , 2010, , .		24
174	EEG signal classification for epilepsy diagnosis based on AR model and RVM., 2010,,.		17
175	Fast detection of nonlinearity and nonstationarity in short and noisy time series. Europhysics Letters, 2010, 91, 30005.	2.0	10
176	Comparison of fractal dimension estimation algorithms for epileptic seizure onset detection. Journal of Neural Engineering, 2010, 7, 046007.	3 . 5	85
177	Denoising of surface EMG with a modified Wiener filtering approach. Journal of Electromyography and Kinesiology, 2010, 20, 366-373.	1.7	29
178	EEG analysis based on wavelet-spectral entropy for epileptic seizures detection. , 2010, , .		26
179	Application of multivariate empirical mode decomposition for seizure detection in EEG signals. , 2010, 2010, 1650-3.		26
180	Analysis of biomedical EEG signals using Wavelet Transforms and Multifractal Analysis. , 2010, , .		21
181	EEG single-channel seizure recognition using Empirical Mode Decomposition and normalized mutual information. , 2010, , .		8

#	Article	IF	CITATIONS
182	Spectral Entropy for Epileptic Seizures Detection. , 2010, , .		7
183	Nonlinear feature comparision of EEG using Correlation Dimension and Approximate Entropy. , 2010, , .		6
184	Feature extraction via dynamic PCA for epilepsy diagnosis and epileptic seizure detection. , 2010, , .		2
185	Statistical spectral feature extraction for classification of epileptic EEG signals. , 2010, , .		7
186	Investigation of temporal variability of epileptic EEG signals. , 2010, , .		5
187	Application Of medium-grain multiprocessor mapping methodology to epileptic seizure predictor. , 2010, , .		4
188	Comparison of temporal variability of epileptic ECoG signals. , 2010, , .		5
189	Hypnosis analysis by means of Similarity Index method. , 2010, , .		0
190	Clinical decision support system based on Jordan/Elman neural networks., 2011,,.		2
191	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
192	Time-frequency signal and image processing of non-stationary signals with application to the classification of newborn EEG abnormalities. , 2011 , , .		16
193	A new signal classification technique by means of Genetic Algorithms and kNN. , 2011, , .		15
194	Hidden dynamic learning for long-interval consecutive missing values reconstruction in EEG time series. , $2011, \dots$		2
195	Using recurrent ANNs for the detection of epileptic seizures in EEG signals. , 2011, , .		5
196	Discriminant Analysis for Epileptic Seizure Detection., 2011,,.		15
197	Simulation of ictal EEG with a neuronal population model. , 2011, , .		2
198	Comparative analysis of time frequency representations for discrimination of epileptic activity in EEG signals. , $2011, \dots$		4
199	AUTOMATIC DETECTION OF EPILEPTIC EEG SIGNALS USING HIGHER ORDER CUMULANT FEATURES. International Journal of Neural Systems, 2011, 21, 403-414.	5.2	170

#	Article	IF	CITATIONS
200	Uniform approach to linear and nonlinear interrelation patterns in multivariate time series. Physical Review E, 2011, 83, 066215.	2.1	27
201	Chaos-based encryption of biomedical EEG signals using random quantization technique. , 2011, , .		9
202	Quality-on-Demand Compression of EEG Signals for Telemedicine Applications Using Neural Network Predictors. International Journal of Telemedicine and Applications, 2011, 2011, 1-13.	2.0	14
203	A DCT based approach to epileptic seizure detection. , 2011, , .		1
204	EEG-based automatic epilepsy diagnosis using the instantaneous frequency with sub-band energies. , 2011, , .		11
205	Seizure prediction: Methods. Epilepsy and Behavior, 2011, 22, S94-S101.	1.7	98
206	Epilepsy diagnosis using probability density functions of EEG signals., 2011,,.		14
207	Binding under Conflict Conditions: State–Space Analysis of Multivariate EEG Synchronization. Journal of Cognitive Neuroscience, 2011, 23, 2363-2375.	2.3	7
208	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
209	Time-Frequency Based Feature Extraction for Non-Stationary Signal Classification. , 2011, , .		1
210	Parametric Construction of Episode Networks from Pseudoperiodic Time Series Based on Mutual Information. PLoS ONE, 2011, 6, e27733.	2.5	5
211	Scientific & Editorial Board. Neuroradiology Journal, 2011, 24, 6-10.	1.2	0
212	Forbidden ordinal patterns of periictal intracranial EEG indicate deterministic dynamics in human epileptic seizures. Epilepsia, 2011, 52, 1771-1780.	5.1	47
213	Quantification of Brain Macrostates Using Dynamical Nonstationarity of Physiological Time Series. IEEE Transactions on Biomedical Engineering, 2011, 58, 1084-1093.	4.2	17
214	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
215	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
216	Epileptic EEG classification based on extreme learning machine and nonlinear features. Epilepsy Research, 2011, 96, 29-38.	1.6	263
217	Kernel machines for epilepsy diagnosis via EEG signal classification: A comparative study. Artificial Intelligence in Medicine, 2011, 53, 83-95.	6.5	57

#	Article	IF	CITATIONS
218	A two-dimensional approach for lossless EEG compression. Biomedical Signal Processing and Control, 2011, 6, 387-394.	5.7	61
219	Classifying Epilepsy Diseases Using Artificial Neural Networks and Genetic Algorithm. Journal of Medical Systems, 2011, 35, 489-498.	3.6	30
220	Application of Higher Order Spectra to Identify Epileptic EEG. Journal of Medical Systems, 2011, 35, 1563-1571.	3.6	129
221	Improved generalized fractal dimensions in the discrimination between Healthy and Epileptic EEG Signals. Journal of Computational Science, 2011, 2, 31-38.	2.9	35
222	Space–time network connectivity and cortical activations preceding spike wave discharges in human absence epilepsy: a MEG study. Medical and Biological Engineering and Computing, 2011, 49, 555-565.	2.8	96
223	Complexity measures of brain wave dynamics. Cognitive Neurodynamics, 2011, 5, 171-182.	4.0	83
224	Seizure classification in EEG signals utilizing Hilbert-Huang transform. BioMedical Engineering OnLine, 2011, 10, 38.	2.7	188
225	Classification of electroencephalogram signals with combined time and frequency features. Expert Systems With Applications, 2011, 38, 10499-10505.	7.6	162
226	Automatic feature extraction using genetic programming: An application to epileptic EEG classification. Expert Systems With Applications, 2011, 38, 10425-10436.	7.6	222
227	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
228	Fuzzy clustering of time series in the frequency domain. Information Sciences, 2011, 181, 1187-1211.	6.9	92
229	EEG simulation by 2D interconnected chaotic oscillators. Chaos, Solitons and Fractals, 2011, 44, 1-8.	5.1	0
230	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
231	Synaptic plasticity based model for epileptic seizures. Automatica, 2011, 47, 1183-1192.	5.0	6
232	Time-frequency characterization of electrocorticographic recordings of epileptic patients using frequency-entropy similarity: A comparison to other bi-variate measures. Journal of Neuroscience Methods, 2011, 194, 358-373.	2.5	6
233	Time-varying model identification for time–frequency feature extraction from EEG data. Journal of Neuroscience Methods, 2011, 196, 151-158.	2.5	36
234	Re-evaluating the performance of the nonlinear prediction error for the detection of deterministic dynamics. Physica D: Nonlinear Phenomena, 2011, 240, 695-700.	2.8	5
235	PyEEG: An Open Source Python Module for EEG/MEG Feature Extraction. Computational Intelligence and Neuroscience, 2011, 2011, 1-7.	1.7	111

#	Article	IF	CITATIONS
236	A new approach for feature extraction of EEG signal using GARCH variance series. , 2011, , .		2
237	Multiscale fractal dimension technique for characterization and analysis of biomedical signals. , 2011 , , .		4
238	Epileptic EEG Detection via a Novel Pattern Recognition Framework. , 2011, , .		5
239	EEG seizure identification by using optimized wavelet decomposition., 2011, 2011, 2675-8.		1
240	Characterization of entropy measures against data loss: Application to EEG records. , 2011, 2011, 6110-3.		4
241	Epileptic seizure detection using GARCH model on EEG signals. , 2011, , .		2
242	Classification of Multi-Types of EEG Time Series Based on Embedding Dimension Characteristic Parameter. Key Engineering Materials, 0, 474-476, 1987-1992.	0.4	0
243	Classification of Stationary Signals with Mixed Spectrum. International Journal of Biostatistics, 2011, 7, 1-17.	0.7	O
244	EEG non-linear feature extraction using correlation dimension and Hurst exponent. Neurological Research, 2011, 33, 908-912.	1.3	47
245	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
246	Seizure detection using wavelet transform and a new statistical feature. , 2011, , .		7
247	Complexity analysis of EEG signals evoked by manual acupuncture. , 2011, , .		0
248	Dispersion measures and entropy for seizure detection. , 2011, , .		8
249	Detection of epileptic seizures using chaotic and statistical features in the EMD domain., 2011,,.		12
250	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
251	An EEG Analysis Research For Epileptics Using Probabilistic Neural Network. Advanced Materials Research, 2012, 605-607, 2270-2273.	0.3	O
252	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
253	AUTOMATED IDENTIFICATION OF EPILEPTIC AND ALCOHOLIC EEG SIGNALS USING RECURRENCE QUANTIFICATION ANALYSIS. Journal of Mechanics in Medicine and Biology, 2012, 12, 1240028.	0.7	11

#	Article	IF	CITATIONS
254	EEG Classification Approach Based on the Extreme Learning Machine and Wavelet Transform. Clinical EEG and Neuroscience, 2012, 43, 127-132.	1.7	16
255	Optimally robust extrema filters for time series data. , 2012, , .		3
256	Comparative study between Sample Entropy and Detrended Fluctuation Analysis performance on EEG records under data loss., 2012, 2012, 4233-6.		5
257	Frequency analysis of eyes open and eyes closed EEG signals using the Hilbert-Huang Transform. , 2012, 2012, 2865-8.		6
258	Biomedical Data Analysis by Supervised Manifold Learning. , 2012, 2012, 41-4.		2
259	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
260	MULTIFRACTAL-WAVELET BASED DENOISING IN THE CLASSIFICATION OF HEALTHY AND EPILEPTIC EEG SIGNALS. Fluctuation and Noise Letters, 2012, 11, 1250034.	1.5	15
261	SIMULATION OF HEALTHY AND EPILEPTIFORM BRAIN ACTIVITY USING CELLULAR AUTOMATA. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250229.	1.7	13
262	Immune clonal algorithm based feature selection for epileptic EEG signal classification. , 2012, , .		7
263	Multiscale analysis to facilitate joint chaos and fractal analysis of biosignals. , 2012, , .		1
264	Evidence Theory-Based Approach for Epileptic Seizure Detection Using EEG Signals., 2012,,.		5
265	A nearest neighbor based approach for classifying epileptiform EEG using nonlinear DWT features. , 2012, , .		6
266	An Analysis Research for Digitized Features of Epileptic EEG Using SVM. Applied Mechanics and Materials, 0, 239-240, 1169-1172.	0.2	2
267	EEG Signal Classification Using Empirical Mode Decomposition and Support Vector Machine. Advances in Intelligent and Soft Computing, 2012, , 623-635.	0.2	31
268	Performance Analysis of A Feed-Forward Artifical Neural Network With Small-World Topology. Procedia Technology, 2012, 1, 291-296.	1.1	13
269	Estimation of epileptic seizure by using Lyapunov exponent, wavelet entropy and Artificial Neural Networks. , 2012, , .		О
270	Relative wavelet energy and wavelet entropy based epileptic brain signals classification. Biomedical Engineering Letters, 2012, 2, 147-157.	4.1	39
271	Epileptic EEG Signal Classification with ANFIS Based on Harmony Search Method., 2012,,.		10

#	Article	IF	Citations
272	Using sequential floating forward selection algorithm to detect epileptic seizure in EEG signals. , 2012, , .		9
273	Classifying discrete interval densities of EEG signals by using DWT and SVM., 2012, , .		2
274	Symbolic representation and clustering of bio-medical time-series data using non-parametric segmentation and cluster ensemble. , 2012, , .		0
275	BP Neural Networks with Harmony Search Method-based Training for Epileptic EEG Signal Classification. , 2012, , .		5
276	Assessing entropy and fractal dimensions as discriminants of seizures in EEG time series. , 2012, , .		7
277	Analysing epileptic EEGs with a visibility graph algorithm. , 2012, , .		10
278	A High-Performance Lossless Compression Scheme for EEG Signals Using Wavelet Transform and Neural Network Predictors. International Journal of Telemedicine and Applications, 2012, 2012, 1-8.	2.0	29
279	Automatic Epileptic Seizure Detection in EEGs Using Time-Frequency Analysis and Probabilistic Neural Network., 2012,,.		4
280	Feature extraction of electroencephalogram signals applied to epilepsy. , 2012, , .		1
281	Epileptic EEG signal classification with marching pursuit based on harmony search method., 2012,,.		8
282	Features extraction of EEG signals using approximate and sample entropy. , 2012, , .		14
283	Automatic epileptic seizure detection in EEGs based on optimized sample entropy and extreme learning machine. Journal of Neuroscience Methods, 2012, 210, 132-146.	2.5	218
284	Automatic seizure detection based on star graph topological indices. Journal of Neuroscience Methods, 2012, 209, 410-419.	2.5	13
285	Retained energy-based coding for EEG signals. Medical Engineering and Physics, 2012, 34, 892-899.	1.7	14
286	Using genetic algorithms and k-nearest neighbour for automatic frequency band selection for signal classification. IET Signal Processing, 2012, 6, 186.	1.5	11
287	Nonrandomness, nonlinear dependence, and nonstationarity of electroencephalographic recordings from epilepsy patients. Physical Review E, 2012, 86, 046206.	2.1	297
288	A methodology for time-frequency image processing applied to the classification of non-stationary multichannel signals using instantaneous frequency descriptors with application to newborn EEG signals. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.7	48
289	Automatic feature extraction using generalised autoregressive conditional heteroscedasticity model: an application to electroencephalogram classification. IET Signal Processing, 2012, 6, 829-838.	1.5	14

#	Article	IF	CITATIONS
290	On the relation between correlation dimension, approximate entropy and sample entropy parameters, and a fast algorithm for their calculation. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 6601-6610.	2.6	35
291	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
292	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
293	On the Use of Wavelet Neural Networks in the Task of Epileptic Seizure Detection from Electroencephalography Signals. Procedia Computer Science, 2012, 11, 149-159.	2.0	18
294	Epilepsy diagnosis based on generalized feed forward neural network. Interdisciplinary Sciences, Computational Life Sciences, 2012, 4, 209-214.	3.6	4
295	Epileptic EEG signal analysis and identification based on nonlinear features. , 2012, , .		4
296	Exploration of instantaneous amplitude and frequency features for epileptic seizure prediction. , 2012, , .		8
297	Time–frequency based feature selection for discrimination of non-stationary biosignals. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.7	11
298	Energy Distribution of EEG Signal Components by Wavelet Transform. , 0, , .		27
299	Automated Epileptic Seizure Detection Methods: A Review Study. , 0, , .		45
300	Wrapper based wavelet feature optimization for EEG signals. Biomedical Engineering Letters, 2012, 2, 24-37.	4.1	10
301	Multi-feature Characterization of Epileptic Activity for Construction of an Automated Internet-based Annotated Classification. Journal of Medical Systems, 2012, 36, 1155-1163.	3.6	1
302	Classification of Epilepsy Using High-Order Spectra Features and Principle Component Analysis. Journal of Medical Systems, 2012, 36, 1731-1743.	3.6	41
303	Epileptic Seizure Detection Using Probability Distribution Based On Equal Frequency Discretization. Journal of Medical Systems, 2012, 36, 2219-2224.	3.6	21
304	Entropy measures for biological signal analyses. Nonlinear Dynamics, 2012, 68, 431-444.	5.2	75
305	Correlation dimension based lossless compression of EEG signals. Biomedical Signal Processing and Control, 2012, 7, 379-388.	5.7	37
306	Automated diagnosis of epileptic EEG using entropies. Biomedical Signal Processing and Control, 2012, 7, 401-408.	5.7	567
307	EPILEPSIAE – A European epilepsy database. Computer Methods and Programs in Biomedicine, 2012, 106, 127-138.	4.7	153

#	Article	IF	CITATIONS
308	Detection of epileptic electroencephalogram based on Permutation Entropy and Support Vector Machines. Expert Systems With Applications, 2012, 39, 202-209.	7.6	435
309	Timeâ€"frequency distributions in the classification of epilepsy from EEG signals. Expert Systems With Applications, 2012, 39, 11413-11422.	7.6	35
310	Brain computer interface control via functional connectivity dynamics. Pattern Recognition, 2012, 45, 2123-2136.	8.1	83
311	Editorial: Special issue on time series analysis in the biological sciences. Journal of Time Series Analysis, 2012, 33, 701-703.	1.2	12
312	AUTOMATED DIAGNOSIS OF EPILEPSY USING CWT, HOS AND TEXTURE PARAMETERS. International Journal of Neural Systems, 2013, 23, 1350009.	5.2	113
313	Wavelet Analysis of Electrical Signals from Brain: The Electroencephalogram. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 283-289.	0.3	4
314	Recurrence Network Analysis of the Synchronous EEG Time Series in Normal and Epileptic Brains. Cell Biochemistry and Biophysics, 2013, 66, 331-336.	1.8	10
315	Classification of signals by means of Genetic Programming. Soft Computing, 2013, 17, 1929-1937.	3.6	18
316	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
317	Neuro-fuzzy controller to navigate an unmanned vehicle. SpringerPlus, 2013, 2, 188.	1.2	14
318	Epileptic Seizure Identification from Electroencephalography Signal Using DE-RBFNs Ensemble. Procedia Computer Science, 2013, 23, 84-95.	2.0	20
319	Analysis of nonlinear dynamics of healthy and epileptic EEG signals using recurrence based complex network approach., 2013,,.		12
320	Performance evaluation for compression-accuracy trade-off using compressive sensing for EEG-based epileptic seizure detection in wireless tele-monitoring. , 2013, , .		13
321	Efficient EEG analysis for seizure monitoring in epileptic patients. , 2013, , .		11
322	A machine learning framework for space medicine predictive diagnostics with physiological signals. , 2013, , .		4
323	Automated Artifact Removal From the Electroencephalogram. Clinical EEG and Neuroscience, 2013, 44, 291-306.	1.7	55
324	Fractal Dimension in Epileptic EEG Signal Analysis. Understanding Complex Systems, 2013, , 103-157.	0.6	4
325	Comparison of complexity measures using two complex system analysis methods applied to the epileptic ECoG. Journal of the Korean Physical Society, 2013, 63, 1659-1665.	0.7	7

#	Article	IF	Citations
326	Adaptive compression and optimization for real-time energy-efficient wireless EEG monitoring systems. , 2013, , .		5
327	Analysis of EEG signals by emprical mode decomposition and mutual information. , 2013, , .		0
328	Robust Extrema Features for Time-Series Data Analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 1464-1479.	13.9	16
329	Feature extraction based on sparse representation with application to epileptic EEG classification. International Journal of Imaging Systems and Technology, 2013, 23, 104-113.	4.1	6
330	Epilepsy activity detection based on optimized one-class classifiers. , 2013, , .		0
331	Optimal sampling frequency in wavelet-based signal feature extraction using particle swarm optimization., 2013, 2013, 993-6.		3
332	Detection of epileptics during seizure free periods., 2013,,.		6
333	EEG epileptic seizure detection using k-means clustering and marginal spectrum based on ensemble empirical mode decomposition. , $2013, , .$		24
334	Artifact Processing of Epileptic EEG Signals: An Overview of Different Types of Artifacts. , 2013, , .		10
335	Empirical mode decomposition based sparse dictionary learning with application to signal classification., 2013,,.		8
336	Human seizure detection using quadratic Rényi entropy. , 2013, , .		4
337	Adaptive energy-aware encoding for DWT-based wireless EEG tele-monitoring system., 2013,,.		7
338	Monitoring spike train synchrony. Journal of Neurophysiology, 2013, 109, 1457-1472.	1.8	127
339	EEG feature extraction and selection techniques for epileptic detection: A comparative study. , 2013 , , .		8
340	Wavelet Denoising Based on the MAP Estimation Using the BKF Prior With Application to Images and EEG Signals. IEEE Transactions on Signal Processing, 2013, 61, 1880-1894.	5.3	37
341	Characterizing an ensemble of interacting oscillators: The mean-field variability index. Physical Review E, 2013, 87, 012905.	2.1	14
342	Empirical Mode Decomposition: Real-Time Implementation and Applications. Journal of Signal Processing Systems, 2013, 73, 43-58.	2.1	23
343	Detection of Seizure and Epilepsy Using Higher Order Statistics in the EMD Domain. IEEE Journal of Biomedical and Health Informatics, 2013, 17, 312-318.	6.3	211

#	Article	IF	Citations
344	A New Framework Based on Recurrence Quantification Analysis for Epileptic Seizure Detection. IEEE Journal of Biomedical and Health Informatics, 2013, 17, 572-578.	6.3	76
345	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
346	Automatic Seizure Detection in Rats Using Laplacian EEG and Verification with Human Seizure Signals. Annals of Biomedical Engineering, 2013, 41, 645-654.	2.5	28
347	A novel direct feature-based seizure detector: Using the entropy of degree distribution of epileptic EEG signals. , 2013, , .		0
348	Kernel Earth Mover's Distance for EEG Classification. Clinical EEG and Neuroscience, 2013, 44, 182-187.	1.7	19
349	EEG seizure detection and epilepsy diagnosis using a novel variation of Empirical Mode Decomposition. , 2013, 2013, 4314-7.		23
350	EEG Databases for Emotion Recognition. , 2013, , .		62
351	Wavelet entropy based EEG analysis for seizure detection., 2013,,.		12
352	Effectiveness of Wavelet Denoising on Electroencephalogram Signals. Journal of Applied Research and Technology, 2013, 11, 156-160.	0.9	82
353	High-Performance Seizure Detection System Using a Wavelet-Approximate Entropy-fSVM Cascade With Clinical Validation. Clinical EEG and Neuroscience, 2013, 44, 247-256.	1.7	44
354	Reliable epileptic seizure detection using an improved wavelet neural network. Australasian Medical Journal, 2013, 6, 308-314.	0.1	28
355	Qualitative and Quantitative Evaluation of EEG Signals in Epileptic Seizure Recognition. International Journal of Intelligent Systems and Applications, 2013, 5, 41-46.	1.1	22
356	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
357	Automated pre-ictal phase detection algorithm from EEG signals. , 2013, , .		4
358	A SIGNAL-TUNED GABOR TRANSFORM WITH APPLICATION TO EEG ANALYSIS. International Journal of Modern Physics C, 2013, 24, 1350017.	1.7	8
359	Highly comparative time-series analysis: the empirical structure of time series and their methods. Journal of the Royal Society Interface, 2013, 10, 20130048.	3.4	270
360	Testing time series irreversibility using complex network methods. Europhysics Letters, 2013, 102, 10004.	2.0	78
361	EPILEPTIC SEIZURE DETECTION IN EEG SIGNALS USING MULTIFRACTAL ANALYSIS AND WAVELET TRANSFORM. Fractals, 2013, 21, 1350011.	3.7	46

#	Article	IF	CITATIONS
362	COMPARISON OF ICTAL AND INTERICTAL EEG SIGNALS USING FRACTAL FEATURES. International Journal of Neural Systems, 2013, 23, 1350028.	5.2	49
363	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
365	Non-Linear Dynamical Classification of Short Time Series of the Rössler System in High Noise Regimes. Frontiers in Neurology, 2013, 4, 182.	2.4	20
366	Coercively Adjusted Auto Regression Model for Forecasting in Epilepsy EEG. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-12.	1.3	19
367	Detection of Epileptic Seizure Event and Onset Using EEG. BioMed Research International, 2014, 2014, 1-7.	1.9	129
368	Adaptive Neuro-Fuzzy Inference System for Classification of Background EEG Signals from ESES Patients and Controls. Scientific World Journal, The, 2014, 2014, 1-8.	2.1	19
369	Dynamic Principal Component Analysis with Nonoverlapping Moving Window and Its Applications to Epileptic EEG Classification. Scientific World Journal, The, 2014, 2014, 1-10.	2.1	14
370	Estimation of effective connectivity via data-driven neural modeling. Frontiers in Neuroscience, 2014, 8, 383.	2.8	50
371	Detecting determinism from point processes. Physical Review E, 2014, 90, 062906.	2.1	6
372	Automated epileptic seizure detection using relevant features in support vector machines. , 2014, , .		3
373	Bessel k-form parameters in the dual tree complex wavelet transform domain for the detection of epilepsy and seizure. , 2014, , .		0
374	A Novel Time-Frequency Analysis Approach for Nonstationary Time Series Using Multiresolution Wavelet. , 2014, , .		0
375	Automatic seizure detection in long-term scalp EEG using Weighted Permutation Entropy and Support Vector Machine. , 2014, , .		3
376	Characterization of dynamical systems under noise using recurrence networks: Application to simulated and EEG data. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 3464-3474.	2.1	30
377	Examination of the wavelet-based approach for measuring self-similarity of epileptic electroencephalogram data. Journal of Zhejiang University: Science C, 2014, 15, 1147-1153.	0.7	3
378	Robust expert system design for automated detection of epileptic seizures using SVM classifier. , 2014, , .		10
379	EPILEPTIC EEG CLASSIFICATION BASED ON KERNEL SPARSE REPRESENTATION. International Journal of Neural Systems, 2014, 24, 1450015.	5.2	59
380	Effectiveness of combined time-frequency imageand signal-based features for improving the detection and classification of epileptic seizure activities in EEG signals. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
381	Memristive Reservoir Computing Architecture for Epileptic Seizure Detection. Procedia Computer Science, 2014, 41, 249-254.	2.0	32
382	Seizure detection using Bessel k-form parameters in the empirical mode decomposition domain. , 2014, , .		1
383	Classification of Epileptoid Oscillations in EEG Using Shannon's Entropy Amplitude Probability Distribution. Lecture Notes in Computer Science, 2014, , 247-252.	1.3	2
384	Comparative Study of Entropy Sensitivity to Missing Biosignal Data. Entropy, 2014, 16, 5901-5918.	2.2	25
385	Reexamination of characteristic of spectral exponent of epileptic EEGs corresponding to levels in wavelet-based fractal analysis. , 2014, , .		0
386	Performance Comparison of classification algorithms for EEG-based remote epileptic seizure detection in Wireless Sensor Networks. , 2014, , .		10
387	Epileptic electroencephalogram classification. , 2014, , .		3
388	Principal component analysis-based neural network with fuzzy membership function for epileptic seizure detection., 2014,,.		7
389	On the use of time-frequency features for detecting and classifying epileptic seizure activities in non-stationary EEG signals. , 2014 , , .		20
390	Novel feature extraction method based on weight difference of weighted network for epileptic seizure detection., 2014, 2014, 3256-9.		2
391	Transductive domain adaptive learning for epileptic electroencephalogram recognition. Artificial Intelligence in Medicine, 2014, 62, 165-177.	6.5	39
392	Classification of seizure and seizure-free EEG signals using multi-level local patterns. , 2014, , .		18
393	Comparison study of seizure detection using stationary and nonstationary methods., 2014, 2014, 3272-5.		0
394	Copulas and time series with long-ranged dependencies. Physical Review E, 2014, 89, 042117.	2.1	14
395	Classification of EEG signals using a novel genetic programming approach. , 2014, , .		13
396	On application of rational Discrete Short Time Fourier Transform in epileptic seizure classification. , 2014, , .		15
397	Detection of epileptic seizure from EEG signals by using recurrence quantification analysis. , 2014, , .		2
398	Normal inverse Gaussian parameters in the empirical mode decomposition domain for the detection of epilepsy and seizure. , 2014 , , .		1

#	Article	IF	CITATIONS
399	Machine learning approach for epileptic seizure detection using wavelet analysis of EEG signals. , 2014, , .		32
400	A subband correlation-based method for the automatic detection of epilepsy and seizure in the dual tree complex wavelet transform domain. , 2014, , .		2
401	Modular based dynamic analysis of EEG signals using non-linear feature. , 2014, , .		2
402	Classification of seizure and nonseizure EEG signals exploiting higher order statistics of the dominant Intrinsic mode function. , 2014, , .		2
403	Analysis of epileptic seizure EEG signals using reconstructed phase space of intrinsic mode functions. , 2014, , .		7
404	Haralick feature extraction from time-frequency images for epileptic seizure detection and classification of EEG data., 2014,,.		15
405	Ordinal Patterns, Entropy, and EEG. Entropy, 2014, 16, 6212-6239.	2.2	68
406	Epileptic seizure detection using PCA on wavelet subbands. , 2014, , .		2
407	EEG signal classification using Principal Component Analysis and Wavelet Transform with Neural Network. , 2014, , .		26
408	A generalized preprocessing and feature extraction platform for scalp EEG signals on FPGA. , 2014, , .		8
409	Data preparation for KDD through automatic reasoning based on description logic. Information Systems, 2014, 44, 54-72.	3.6	14
410	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
411	Automatic EEG seizure detection using dual-tree complex wavelet-Fourier features. Expert Systems With Applications, 2014, 41, 2391-2394.	7.6	141
412	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
413	Epileptic seizure detection using DWT based fuzzy approximate entropy and support vector machine. Neurocomputing, 2014, 133, 271-279.	5.9	270
414	Epileptic seizure detection in EEGs signals using a fast weighted horizontal visibility algorithm. Computer Methods and Programs in Biomedicine, 2014, 115, 64-75.	4.7	135
415	Transmission Delay Minimization for Energy Constrained Communication in Wireless Body Area Sensor Networks. , 2014, , .		5
416	Classification of ictal and seizure-free EEG signals using fractional linear prediction. Biomedical Signal Processing and Control, 2014, 9, 1-5.	5.7	231

#	Article	IF	CITATIONS
417	Real-time implementation and evaluation of an adaptive energy-aware data compression for wireless EEG monitoring systems. , 2014 , , .		19
418	Subband correlation for EEG data in the dual tree complex wavelet transform domain for the detection of epilepsy and seizure. , 2014, , .		3
419	Automatic processing of EEG signals for seizure detection using soft computing techniques. , 2014, , .		3
420	Correntropy measures to detect daytime sleepiness from EEG signals. Physiological Measurement, 2014, 35, 2067-2083.	2.1	13
421	Pre-ictal phase detection with SVMs. , 2014, , .		0
422	1D-local binary pattern based feature extraction for classification of epileptic EEG signals. Applied Mathematics and Computation, 2014, 243, 209-219.	2.2	251
423	The neoteric feature extraction method of epilepsy EEG based on the vertex strength distribution of weighted complex network. , $2014, , .$		2
424	A general framework for time series data mining based on event analysis: Application to the medical domains of electroencephalography and stabilometry. Journal of Biomedical Informatics, 2014, 51, 219-241.	4.3	12
425	Data smashing: uncovering lurking order in data. Journal of the Royal Society Interface, 2014, 11, 20140826.	3.4	17
426	Detecting determinism with improved sensitivity in time series: Rank-based nonlinear predictability score. Physical Review E, 2014, 90, 032913.	2.1	13
427	Multifractal detrended cross-correlation analysis for epileptic patient in seizure and seizure free status. Chaos, Solitons and Fractals, 2014, 67, 1-10.	5.1	59
428	The Effect of Multiscale PCA De-noising in Epileptic Seizure Detection. Journal of Medical Systems, 2014, 38, 131.	3.6	47
429	Methods for Seizure Detection and Prediction: An Overview. Neuromethods, 2014, , 131-157.	0.3	41
430	Epileptic seizure detection from EEG signal using Discrete Wavelet Transform and Ant Colony classifier. , 2014, , .		28
431	Interference-aware energy-efficient cross-layer design for healthcare monitoring applications. Computer Networks, 2014, 74, 64-77.	5.1	18
432	A framework on wavelet-based nonlinear features and extreme learning machine for epileptic seizure detection. Biomedical Signal Processing and Control, 2014, 10, 1-10.	5.7	74
433	Classification of cyclical time series using complex demodulation. Statistics and Computing, 2014, 24, 1031-1046.	1.5	1
434	A novel statistical algorithm for multiclass EEG signal classification. Engineering Applications of Artificial Intelligence, 2014, 34, 154-167.	8.1	59

#	Article	IF	Citations
435	Classification of seizure based on the time-frequency image of EEG signals using HHT and SVM. Biomedical Signal Processing and Control, 2014, 13, 15-22.	5.7	209
436	Examination of scale-invariant characteristics of epileptic electroencephalograms using wavelet-based analysis. Computers and Electrical Engineering, 2014, 40, 1766-1773.	4.8	8
437	Multifractal parameters as an indication of different physiological and pathological states of the human brain. Physica A: Statistical Mechanics and Its Applications, 2014, 396, 155-163.	2.6	48
438	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
439	Filtering and thresholding the analytic signal envelope in order to improve peak and spike noise reduction in EEG signals. Medical Engineering and Physics, 2014, 36, 547-553.	1.7	14
440	Are electroencephalogram (EEG) signals pseudo-random number generators?. Journal of Computational and Applied Mathematics, 2014, 268, 1-4.	2.0	24
441	Attractor reconstruction for plethysmographic biosignals. , 2014, , .		3
442	Genetic algorithms tuned expert model for detection of epileptic seizures from EEG signatures. Applied Soft Computing Journal, 2014, 19, 8-17.	7.2	53
443	Using Permutation Entropy to Measure the Changes in EEG Signals During Absence Seizures. Entropy, 2014, 16, 3049-3061.	2.2	85
444	ldentification and monitoring of brain activity based on stochastic relevance analysis of short–time EEG rhythms. BioMedical Engineering OnLine, 2014, 13, 123.	2.7	22
445	Efficiency analysis of control algorithms in spatially distributed systems with chaotic behavior. International Journal of Applied Mathematics and Computer Science, 2014, 24, 759-770.	1.5	2
446	Automatic seizure detection based on Teager Energy Cepstrum and pattern recognition neural networks. QScience Connect, 2014, 2014, .	0.3	5
447	Detection of epileptic seizure in EEG signals using window width optimized S-transform and artificial neural networks. , 2015 , , .		9
448	Different approaches of analysing EEG signals for seizure detection. International Journal of Signal and Imaging Systems Engineering, 2015, 8, 28.	0.6	9
449	Wavelet-based multi-class discrimination of EEG for seizure detection. International Journal of Biomedical Engineering and Technology, 2015, 19, 266.	0.2	15
450	TIME-FREQUENCY PROCESSING METHOD OF EPILEPTIC EEG SIGNALS. Biomedical Engineering - Applications, Basis and Communications, 2015, 27, 1550015.	0.6	3
451	Recurrence network analysis of multiple local field potential bands from the orofacial portion of primary motor cortex., 2015, 2015, 5343-6.		0
452	On the use of harmony search algorithm in the training of wavelet neural networks. AIP Conference Proceedings, 2015, , .	0.4	0

#	Article	IF	Citations
453	Epilepsy Recognition by Higher Order Spectra Analysis of EEG Signals. Advances in Information Quality and Management, 2014, , 5534-5541.	0.2	4
454	Detection of ictal patterns in electroencephalogram signals using 3D phase trajectories. , 2015, , .		3
455	Detection of epileptic seizure using wavelet transformation and spike based features., 2015,,.		6
456	FPGA implementation of second-order difference plot for epileptic seizure detection in EEG signals. , 2015, , .		2
457	Prognosis of epileptic seizures using EEG signals. , 2015, , .		3
458	Entropies from Markov Models as Complexity Measures of Embedded Attractors. Entropy, 2015, 17, 3595-3620.	2.2	13
459	Detection of epileptiform activity in EEG signals based on time-frequency and non-linear analysis. Frontiers in Computational Neuroscience, 2015, 9, 38.	2.1	116
460	Prediction of Nociceptive Responses during Sedation by Linear and Non-Linear Measures of EEG Signals in High Frequencies. PLoS ONE, 2015, 10, e0123464.	2.5	12
461	Exploring Sampling in the Detection of Multicategory EEG Signals. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-12.	1.3	54
462	Ensemble Classifier for Epileptic Seizure Detection for Imperfect EEG Data. Scientific World Journal, The, 2015, 2015, 1-15.	2.1	66
463	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
464	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
465	Estimation of Teager energy using the Hilbert–Huang transform. IET Signal Processing, 2015, 9, 82-87.	1.5	13
466	A new method for predicting epilepsy seizure. , 2015, , .		2
467	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
468	Energy-efficient on-board processing technique for wireless epileptic seizure detection systems. , 2015, , .		5
469	Dynamic response signatures of a scaled model platform for floating wind turbines in an ocean wave basin. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140078.	3.4	26
470	Epilepsy diagnosis using artificial neural network learned by PSO\$^{dag}\$. Turkish Journal of Electrical Engineering and Computer Sciences, 2015, 23, 421-432.	1.4	34

#	Article	IF	CITATIONS
471	Energy-cost-distortion optimization for delay-sensitive M-health applications. , 2015, , .		2
472	Unscrambling Nonlinear Dynamics in Synthetic Aperture Radar Imagery. IEEE Access, 2015, 3, 177-194.	4.2	20
473	SVM based automated EEG seizure detection using 'Coiflets' wavelet packets., 2015,,.		2
474	Signatures of chaotic and stochastic dynamics uncovered with $\langle i \rangle \hat{l} \mu \langle i \rangle$ -recurrence networks. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20150349.	2.1	13
475	Detection of seizures in intracranial EEG: UPenn and Mayo Clinic's Seizure Detection Challenge. , 2015, 2015, 6582-5.		16
476	Recurrence network analysis of wide band oscillations of local field potentials from the primary motor cortex reveals rich dynamics, 2015, , .		2
477	EEG Signals Classification Based on Wavelet Packet and Ensemble Extreme Learning Machine. , 2015, , .		3
478	A nonlinear feature based epileptic seizure detection using least square support vector machine classifier. , 2015, , .		24
479	Distribution entropy analysis of epileptic EEG signals., 2015, 2015, 4170-3.		10
480	Classification of EEG signals for detection of epileptic seizure activities based on LBP descriptor of time-frequency images. , 2015 , , .		10
481	A lossless data reduction technique for wireless EEG recorders and its use in selective data filtering for seizure monitoring., 2015, 2015, 6186-9.		2
482	Multiscale Lempel–Ziv complexity for EEG measures. Clinical Neurophysiology, 2015, 126, 541-548.	1.5	58
483	Inspecting temporal scales with non-linear signal features: A way to extract more information from brain activity?. Clinical Neurophysiology, 2015, 126, 435-436.	1.5	1
484	Hilbert marginal spectrum analysis for automatic seizure detection in EEG signals. Biomedical Signal Processing and Control, 2015, 18, 179-185.	5.7	139
485	Designing a robust feature extraction method based on optimum allocation and principal component analysis for epileptic EEG signal classification. Computer Methods and Programs in Biomedicine, 2015, 119, 29-42.	4.7	91
486	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
487	Classifying Epileptic EEG Signals with Delay Permutation Entropy and Multi-scale K-Means. Advances in Experimental Medicine and Biology, 2015, 823, 143-157.	1.6	12
488	Permutation min-entropy: An improved quantifier for unveiling subtle temporal correlations. Europhysics Letters, 2015, 109, 10005.	2.0	55

#	Article	IF	CITATIONS
489	Comparison of classification methods on EEG signals based on wavelet packet decomposition. Neural Computing and Applications, 2015, 26, 1217-1225.	5.6	51
490	Bioinspired neuromorphic module based on carbon nanotube/C60/polymer composite. Journal of Composite Materials, 2015, 49, 1809-1822.	2.4	3
491	Investigation and quantification of nonlinearity using surrogate data in a glow discharge plasma. Physics of Plasmas, 2015, 22, 022307.	1.9	4
492	EPILEPTIC EEG CLASSIFICATION USING NONLINEAR PARAMETERS ON DIFFERENT FREQUENCY BANDS. Journal of Mechanics in Medicine and Biology, 2015, 15, 1550040.	0.7	45
494	EEG-based investigation of brain connectivity changes in psychotic patients undergoing the primitive expression form of dance therapy: a methodological pilot study. Cognitive Neurodynamics, 2015, 9, 231-248.	4.0	9
495	RLNC-Aided Cooperative Compressed Sensing for Energy Efficient Vital Signal Telemonitoring. IEEE Transactions on Wireless Communications, 2015, 14, 3685-3699.	9.2	33
496	A Combined AdaBoost and NEWFM Technique for Medical Data Classification. Lecture Notes in Electrical Engineering, 2015, , 801-809.	0.4	10
497	Power analysis of a lossless data compression technique for wireless wearable biometric devices. , 2015, , .		3
498	Semi-automated patient-specific scalp EEG seizure detection with unsupervised machine learning. , 2015, , .		14
499	Epileptic seizure detection using HHT and SVM. , 2015, , .		2
500	Time-frequency image descriptors-based features for EEG epileptic seizure activities detection and classification. , 2015 , , .		11
501	Performance evaluation of contemporary classifiers for automatic detection of epileptic EEG., 2015, , .		1
502	Seizure detection exploiting EMD-wavelet analysis of EEG signals. , 2015, , .		9
503	An Analysis of Integration of Hill Climbing in Crossover and Mutation operation for EEG Signal Classification. , 2015, , .		14
504	Detection of Epileptic Seizures in EEG Signals with Rule-Based Interpretation by Random Forest Approach. Lecture Notes in Computer Science, 2015, , 738-744.	1.3	8
505	Application of entropies for automated diagnosis of epilepsy using EEG signals: A review. Knowledge-Based Systems, 2015, 88, 85-96.	7.1	370
506	Hidden pattern discovery on epileptic EEG with 1-D local binary patterns and epileptic seizures detection by grey relational analysis. Australasian Physical and Engineering Sciences in Medicine, 2015, 38, 435-446.	1.3	32
507	ORDER PATTERNS RECURRENCE ANALYSIS OF ELECTROENCEPHALOGRAM DURING SEVOFLURANE ANESTHESIA. Biomedical Engineering - Applications, Basis and Communications, 2015, 27, 1550049.	0.6	2

#	Article	IF	CITATIONS
508	Minimax Probability TSK Fuzzy System Classifier: A More Transparent and Highly Interpretable Classification Model. IEEE Transactions on Fuzzy Systems, 2015, 23, 813-826.	9.8	66
509	Electroencephalographic Data Analysis With Visibility Graph Technique for Quantitative Assessment of Brain Dysfunction. Clinical EEG and Neuroscience, 2015, 46, 218-223.	1.7	42
510	EEG signal analysis using spectral correlation function & EARCH model. Signal, Image and Video Processing, 2015, 9, 1461-1472.	2.7	12
511	Extracting and Selecting Distinctive EEG Features for Efficient Epileptic Seizure Prediction. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 1648-1659.	6.3	60
512	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
513	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
515	Variable weight neural networks and their applications on material surface and epilepsy seizure phase classifications. Neurocomputing, 2015, 149, 1177-1187.	5.9	18
516	Classification of seizure and seizure-free EEG signals using local binary patterns. Biomedical Signal Processing and Control, 2015, 15, 33-40.	5.7	147
517	Design and Analysis of a Neuromemristive Reservoir Computing Architecture for Biosignal Processing. Frontiers in Neuroscience, 2015, 9, 502.	2.8	60
518	Multivariate Generalized Multiscale Entropy Analysis. Entropy, 2016, 18, 411.	2.2	13
519	Classification of 5-S Epileptic EEG Recordings Using Distribution Entropy and Sample Entropy. Frontiers in Physiology, 2016, 7, 136.	2.8	56
520	Hardware Design of Seizure Detection Based on Wavelet Transform and Sample Entropy. Journal of Circuits, Systems and Computers, 2016, 25, 1650101.	1.5	8
521	Estimation of Teager Energy using EMD. , 2016, , .		3
522	Random Sampling in the Detection of Epileptic EEG Signals. Health Information Science, 2016, , 65-82.	0.4	1
524	A novel approach for epileptic EEG signals classification based on biclustering technique. , 2016, , .		2
525	Optical spectral characteristics of resonant cavity photodetectors. , 2016, , .		0
526	Detrended fluctuation analysis of EEG recordings for epileptic seizure detection. , 2016, , .		7
527	Feature extraction using combination of intrinsic mode functions and power spectrum for EEG signal classification. , $2016, $, .		10

#	Article	IF	CITATIONS
528	Time domain analysis of epileptic EEG for seizure detection. , 2016, , .		25
529	Overcoming drawback of feature instantaneous bandwidth using EMD for epileptic seizure classification by RMS frequency., 2016,,.		3
530	A study on EEG signals during eye-closed and eye-open using discrete wavelet transform. , 2016, , .		4
531	In-Network Data Reduction Approach Based on Smart Sensing. , 2016, , .		1
532	Classification of epileptic cerebral activity using robust features and support vector machines. , 2016, , .		3
533	Computer aided technique for Epilepsy classification using cross wavelet transform and RBF-kernel based support vector machine. , 2016, , .		2
534	User-centric network selection in multi-RAT systems. , 2016, , .		4
535	Design of adaptive EEG preprocessing algorithm for neurofeedback system. , 2016, , .		9
536	Analysis and Prediction of Epilepsy Based on Visibility Graph. , 2016, , .		8
537	Differentiation Between Normal and Epileptic EEG Using K-Nearest-Neighbors Technique. Lecture Notes in Computer Science, 2016, , 149-160.	1.3	4
538	Non linear analysis of epileptic EEG. , 2016, , .		1
539	Ll-regularization based EEG feature learning for detecting epileptic seizure. , 2016, , .		8
540	Comparative study of parameters of Multifractal Detrended Fluctuation Analysis on EEG bands. , 2016, , .		1
541	An adaptive learning approach for EEG-based computer aided diagnosis of epilepsy. , 2016, , .		2
542	Multiscale limited penetrable horizontal visibility graph for analyzing nonlinear time series. Scientific Reports, 2016, 6, 35622.	3.3	135
543	Energy Efficient EEG Monitoring System for Wireless Epileptic Seizure Detection. , 2016, , .		2
544	Classification of EEG signals using feature creation produced by grammatical evolution., 2016,,.		3
545	Digital neuromorphic design of a Liquid State Machine for real-time processing. , 2016, , .		12

#	Article	IF	CITATIONS
546	Seizure detection system: A comparative study on features and fusions. , 2016, , .		2
547	Objectives and Structures of the Book. Health Information Science, 2016, , 43-61.	0.4	0
548	Seizure detection using EEG: A survey of different techniques. , 2016, , .		11
549	Real time cascaded moving average filter for detrending of electroencephalogram signals. , 2016, , .		12
550	A novel approach for ensuring the privacy of EEG signals using application-specific feature extraction and AES algorithm. , $2016, , .$		6
551	Applying data mining techniques to medical time series: an empirical case study in electroencephalography and stabilometry. Computational and Structural Biotechnology Journal, 2016, 14, 185-199.	4.1	25
552	Classification of epileptic EEG signals based on simple random sampling and sequential feature selection. Brain Informatics, 2016, 3, 85-91.	3.0	73
553	A novel module based approach for classifying epileptic seizures using EEG signals. , 2016, , .		0
554	Multi-category EEG signal classification developing time-frequency texture features based Fisher Vector encoding method. Neurocomputing, 2016, 218, 251-258.	5.9	54
555	Hidden discriminative features extraction for supervised high-order time series modeling. Computers in Biology and Medicine, 2016, 78, 81-90.	7.0	0
556	Classification of EEG in eyes-open and eyes-closed state based on limited penetrable visibility graph. , 2016, , .		3
557	A DWT-entropy-ANN based architecture for epilepsy diagnosis using EEG signals. , 2016, , .		17
558	Epileptic seizure detection of electroencephalogram based on weighted-permutation entropy., 2016,,.		12
559	Assessing multiscale permutation entropy for short electroencephalogram recordings. Cluster Computing, 2016, 19, 2305-2314.	5.0	4
560	Weighted Visibility Graph With Complex Network Features in the Detection of Epilepsy. IEEE Access, 2016, 4, 6554-6566.	4.2	158
561	The classification based on ANFIS for EEG recordings. , 2016, , .		0
562	Total Variation Based Multi Feature Model for Epilepsy Detection Using Support Vector Machine. IETE Journal of Research, 2016, 62, 822-832.	2.6	4
563	A deep learning approach to EEG based epilepsy seizure determination. , 2016, , .		7

#	Article	IF	Citations
564	Dimensionality Reduction Effect Analysis of EEG Signals in Cross-Correlation Classifiers Performance. Lecture Notes in Computer Science, 2016, , 297-305.	1.3	1
565	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
566	Epileptic seizure detection from EEG signals by using wavelet and Hilbert transform., 2016,,.		9
567	A Cloud-Based Seizure Alert System for Epileptic Patients That Uses Higher-Order Statistics. Computing in Science and Engineering, 2016, 18, 56-67.	1.2	21
568	An Automatic Prediction of Epileptic Seizures Using Cloud Computing and Wireless Sensor Networks. Journal of Medical Systems, 2016, 40, 226.	3.6	45
569	Automatic epilepsy detection from EEG introducing a new edge weight method in the complex network. Electronics Letters, 2016, 52, 1430-1432.	1.0	43
570	A sequential method using multiplicative extreme learning machine for epileptic seizure detection. Neurocomputing, 2016, 214, 692-707.	5.9	34
571	lctal time-irreversible intracranial EEG signals as markers of the epileptogenic zone. Clinical Neurophysiology, 2016, 127, 3051-3058.	1.5	30
572	Based on multiscale permutation entropy analysis dynamic characteristics of EEG recordings. , 2016, , .		3
573	Analyzing EEG Signal Data for Detection of Epileptic Seizure: Introducing Weight on Visibility Graph with Complex Network Feature. Lecture Notes in Computer Science, 2016, , 56-66.	1.3	16
574	Feature selection using angle modulated simulated Kalman filter for peak classification of EEG signals. SpringerPlus, 2016, 5, 1580.	1.2	24
575	$\label{lem:control} \textbf{Gate/source-overlapped heterojunction Tunnel FET-based LAMSTAR neural network and its Application to EEG Signal Classification.\ , 2016, , .}$		3
576	User-centric network selection in multi-RAT systems. , 2016, , .		3
577	Bayesian Clustering of Functional Data Using Local Features. Bayesian Analysis, 2016, 11, .	3.0	21
578	Directionality volatility in electroencephalogram time series. AIP Conference Proceedings, 2016, , .	0.4	1
579	FPGA implementation of DWT EEG data compression for wireless body sensor networks. , 2016, , .		9
580	Prediction of neurological disorders using optimized neural network. , 2016, , .		10
581	Reconfigurable Digital Design of a Liquid State Machine for Spatio-Temporal Data. , 2016, , .		8

#	Article	IF	Citations
582	Fourier-Based Feature Extraction for Classification of EEG Signals Using EEG Rhythms. Circuits, Systems, and Signal Processing, 2016, 35, 3700-3715.	2.0	43
583	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
584	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
585	Classification of EEG signals using normal inverse Gaussian parameters in the dual-tree complex wavelet transform domain for seizure detection. Signal, Image and Video Processing, 2016, 10, 259-266.	2.7	95
586	A robust nonparametric framework for reconstruction of stochastic differential equation models. Physica A: Statistical Mechanics and Its Applications, 2016, 450, 294-304.	2.6	7
587	Takagi–Sugeno–Kang Transfer Learning Fuzzy Logic System for the Adaptive Recognition of Epileptic Electroencephalogram Signals. IEEE Transactions on Fuzzy Systems, 2016, 24, 1079-1094.	9.8	66
588	Epileptic seizure detection from EEG signals using logistic model trees. Brain Informatics, 2016, 3, 93-100.	3.0	72
589	A novel genetic programming approach for epileptic seizure detection. Computer Methods and Programs in Biomedicine, 2016, 124, 2-18.	4.7	55
590	A Novel Approach Based on Data Redundancy for Feature Extraction of EEG Signals. Brain Topography, 2016, 29, 207-217.	1.8	36
591	Different Scenarios on Denoising of Signals in the Intrinsic Mode Function Selection Framework. IETE Journal of Research, 2016, 62, 605-614.	2.6	6
592	A multiwavelet-based time-varying model identification approach for time–frequency analysis of EEG signals. Neurocomputing, 2016, 193, 106-114.	5.9	75
593	High-resolution time-frequency analysis of EEG signals using multiscale radial basis functions. Neurocomputing, 2016, 195, 96-103.	5.9	32
594	Time–frequency texture descriptors of EEG signals for efficient detection of epileptic seizure. Brain Informatics, 2016, 3, 101-108.	3.0	46
595	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
596	A novel robust diagnostic model to detect seizures in electroencephalography. Expert Systems With Applications, 2016, 56, 116-130.	7.6	162
597	Learning Recurrent Waveforms Within EEGs. IEEE Transactions on Biomedical Engineering, 2016, 63, 43-54.	4.2	28
598	A new approach for selecting the number of the eigenvalues in singular spectrum analysis. Journal of the Franklin Institute, 2016, 353, 1-16.	3.4	34
599	Development of a Self-Regulating Evolving Spiking Neural Network for classification problem. Neurocomputing, 2016, 171, 1216-1229.	5.9	61

#	Article	IF	CITATIONS
600	A soft computing framework for classifying time series based on fuzzy sets of events. Information Sciences, 2016, 330, 125-144.	6.9	14
601	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
602	Improved multiscale permutation entropy for biomedical signal analysis: Interpretation and application to electroencephalogram recordings. Biomedical Signal Processing and Control, 2016, 23, 28-41.	5.7	125
603	A signal invariant wavelet function selection algorithm. Medical and Biological Engineering and Computing, 2016, 54, 629-642.	2.8	20
604	Lossless image compression: application of Bi-level Burrows Wheeler Compression Algorithm (BBWCA) to 2-D data. Multimedia Tools and Applications, 2017, 76, 12391-12416.	3.9	15
605	A novel machine learning method based on generalized behavioral learning theory. Neural Computing and Applications, 2017, 28, 3921-3939.	5.6	24
606	Micro/nanostructured surface modification using femtosecond laser pulses on minimally invasive electrosurgical devices. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 865-873.	3.4	14
607	Ictal EEG classification based on amplitude and frequency contours of IMFs. Biocybernetics and Biomedical Engineering, 2017, 37, 172-183.	5.9	25
608	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
609	Local pattern transformation based feature extraction techniques for classification of epileptic EEG signals. Biomedical Signal Processing and Control, 2017, 34, 81-92.	5.7	142
610	A simple and fast representation space for classifying complex time series. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 1021-1028.	2.1	22
611	Time-frequency image based features for classification of epileptic seizures from EEG signals. Biomedical Physics and Engineering Express, 2017, 3, 015012.	1.2	24
612	Automatic Epileptic Seizure Detection in EEG Using Nonsubsampled Wavelet–Fourier Features. Journal of Medical and Biological Engineering, 2017, 37, 123-131.	1.8	57
613	Distributed in-network processing and resource optimization over mobile-health systems. Journal of Network and Computer Applications, 2017, 82, 65-76.	9.1	15
614	A model-free characterization of recurrences in stationary time series. Physica A: Statistical Mechanics and Its Applications, 2017, 474, 312-318.	2.6	6
615	Automated epileptic seizure detection using improved correlation-based feature selection with random forest classifier. Neurocomputing, 2017, 241, 204-214.	5.9	214
616	Robust electroencephalogram phase estimation with applications in brain-computer interface systems. Physiological Measurement, 2017, 38, 501-523.	2.1	9
618	How an epileptic EEG segment, used as reference, can influence a cross-correlation classifier?. Applied Intelligence, 2017, 47, 178-196.	5.3	14

#	Article	IF	CITATIONS
619	Coupling strength versus coupling impact in nonidentical bidirectionally coupled dynamics. Physical Review E, 2017, 95, 012210.	2.1	8
620	Epileptic seizure detection in EEG signal with GModPCA and support vectorÂmachine. Bio-Medical Materials and Engineering, 2017, 28, 141-157.	0.6	19
621	Real-Time Epileptic Seizure Detection Using EEG. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 2146-2156.	4.9	171
622	Epileptic seizure classification using statistical features of EEG signal. , 2017, , .		10
623	Spatiotemporal signal classification via principal components of reservoir states. Neural Networks, 2017, 91, 66-75.	5.9	11
624	HOKF: High Order Kalman Filter for Epilepsy Forecasting Modeling. BioSystems, 2017, 158, 57-67.	2.0	3
625	Automated identification of epileptic seizures in EEG signals based on phase space representation and statistical features in the CEEMD domain. Biomedical Signal Processing and Control, 2017, 38, 148-157.	5.7	43
626	Reservoir Computing in Embedded Systems: Three variants of the reservoir algorithm. IEEE Consumer Electronics Magazine, 2017, 6, 67-73.	2.3	7
627	Analysis of physiological signals using state space correlation entropy. Healthcare Technology Letters, 2017, 4, 30-33.	3.3	24
628	A new near-lossless EEG compression method using ANN-based reconstruction technique. Computers in Biology and Medicine, 2017, 87, 87-94.	7.0	14
629	Non-linear classifiers applied to EEG analysis for epilepsy seizure detection. Expert Systems With Applications, 2017, 86, 99-112.	7.6	53
630	Deep long short-term memory structures model temporal dependencies improving cognitive workload estimation. Pattern Recognition Letters, 2017, 94, 96-104.	4.2	107
631	Stockwell transform for epileptic seizure detection from EEG signals. Biomedical Signal Processing and Control, 2017, 38, 108-118.	5.7	49
632	Dynamic complexity measures and entropy paths for modelling and comparison of evolution of patients with drug resistant epileptic encephalopathy syndromes (DREES). Metabolic Brain Disease, 2017, 32, 1553-1569.	2.9	6
633	Comparison of connectivity analyses for resting state EEG data. Journal of Neural Engineering, 2017, 14, 036017.	3.5	66
634	Symbolic time series analysis of electroencephalographic (EEG) epileptic seizure and brain dynamics with eye-open and eye-closed subjects during resting states. Journal of Physiological Anthropology, 2017, 36, 21.	2.6	41
635	A new approach to characterize epileptic seizures using analytic time-frequency flexible wavelet transform and fractal dimension. Pattern Recognition Letters, 2017, 94, 172-179.	4.2	330
636	Time–frequency localized three-band biorthogonal wavelet filter bank using semidefinite relaxation and nonlinear least squares with epileptic seizure EEG signal classification. , 2017, 62, 259-273.		115

#	Article	IF	CITATIONS
637	Biogeography based hybrid scheme for automatic detection of epileptic seizures from EEG signatures. Applied Soft Computing Journal, 2017, 51, 116-129.	7.2	21
638	Dynamic Network Selection in Heterogeneous Wireless Networks: A user-centric scheme for improved delivery. IEEE Consumer Electronics Magazine, 2017, 6, 53-60.	2.3	17
639	An optimum allocation sampling based feature extraction scheme for distinguishing seizure and seizure-free EEG signals. Health Information Science and Systems, 2017, 5, 7.	5.2	21
640	EEG seizure detection by integrating slantlet transform with sparse coding., 2017,,.		3
641	Detecting nonlinearity in short and noisy time series using the permutation entropy. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 3627-3635.	2.1	22
642	Predictive Models for Differentiation Between Normal and Abnormal EEG Through Cross-Correlation and Machine Learning Techniques. Lecture Notes in Computer Science, 2017, , 134-145.	1.3	1
643	A NOVEL APPROACH TO DETECT EPILEPTIC SEIZURES USING A COMBINATION OF TUNABLE-Q WAVELET TRANSFORM AND FRACTAL DIMENSION. Journal of Mechanics in Medicine and Biology, 2017, 17, 1740003.	0.7	91
644	Spatiotemporal changes in regularity of gamma oscillations contribute to focal ictogenesis. Scientific Reports, 2017, 7, 9362.	3.3	21
645	Detection of epileptic seizure and seizureâ€free EEG signals employing generalised <i>S</i> â€transform. IET Science, Measurement and Technology, 2017, 11, 847-855.	1.6	37
646	Using missing ordinal patterns to detect nonlinearity in time series data. Physical Review E, 2017, 96, 022218.	2.1	19
647	Efficient epileptic seizure detection based on electroencephalography signal., 2017, , .		2
648	Diagnosis of multiple sclerosis from EEG signals using nonlinear methods. Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 785-797.	1.3	17
649	Classification of EEG signals for epileptic seizures using hybrid artificial neural networks based wavelet transforms and fuzzy relations. Expert Systems With Applications, 2017, 88, 419-434.	7.6	74
650	A novel approach for time–frequency localization of scaling functions and design of three-band biorthogonal linear phase wavelet filter banks. , 2017, 69, 309-322.		37
651	Seizure detection from EEG signals using Multivariate Empirical Mode Decomposition. Computers in Biology and Medicine, 2017, 88, 132-141.	7.0	105
652	Optimal configuration of multilayer perceptron neural network classifier for recognition of intracranial epileptic seizures. Expert Systems With Applications, 2017, 89, 205-221.	7.6	73
653	Delay Differential Analysis of Seizures in Multichannel Electrocorticography Data. Neural Computation, 2017, 29, 3181-3218.	2.2	13
654	Effective and extensible feature extraction method using genetic algorithm-based frequency-domain feature search for epileptic EEG multiclassification. Medicine (United States), 2017, 96, e6879.	1.0	47

#	Article	IF	CITATIONS
655	Classify epileptic EEG signals using weighted complex networks based community structure detection. Expert Systems With Applications, 2017, 90, 87-100.	7.6	70
656	Robust Nonparametric Nearest Neighbor Random Process Clustering. IEEE Transactions on Signal Processing, 2017, 65, 6009-6023.	5. 3	3
657	Walsh transform with moving average filtering for data compression in wireless sensor networks. , 2017, , .		9
658	Real-time classification of EEG signals implemented on DSPIC for the diagnosis of epilepsy. , 2017, , .		4
659	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
660	The use of one-class classifiers for differentiating healthy from epileptic EEG segments. , 2017, , .		3
661	A new chaotic feature for EEG classification based seizure diagnosis. , 2017, , .		2
662	Automated epileptic seizure detection in EEGs using increment entropy. , 2017, , .		5
663	Stochastic and deterministic stationarity analysis of EEG data. , 2017, , .		3
664	Classification of Normal, Ictal and Inter-ictal EEG via Direct Quadrature and Random Forest Tree. Journal of Medical and Biological Engineering, 2017, 37, 843-857.	1.8	21
665	A new method for epileptic seizure classification in EEG using adapted wavelet packets., 2017,,.		19
666	High-resolution time–frequency representation of EEG data using multi-scale wavelets. International Journal of Systems Science, 2017, 48, 2658-2668.	5.5	18
667	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
668	Bayesian Takagi–Sugeno–Kang Fuzzy Classifier. IEEE Transactions on Fuzzy Systems, 2017, 25, 1655-1671.	9.8	36
669	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
670	Forecasting Chaotic Time Series Via Anfis Supported by Vortex Optimization Algorithm: Applications on Electroencephalogram Time Series. Arabian Journal for Science and Engineering, 2017, 42, 3103-3114.	3.0	15
671	AR based quadratic feature extraction in the VMD domain for the automated seizure detection of EEG using random forest classifier. Biomedical Signal Processing and Control, 2017, 31, 550-559.	5.7	126
672	Electroencephalogram signal classification based on shearlet and contourlet transforms. Expert Systems With Applications, 2017, 67, 140-147.	7.6	28

#	Article	IF	CITATIONS
673	Automated Diagnosis of Epilepsy Using Key-Point-Based Local Binary Pattern of EEG Signals. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 888-896.	6.3	181
674	Detection of epilepsy with Electroencephalogram using rule-based classifiers. Neurocomputing, 2017, 228, 283-290.	5.9	43
675	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
676	LMD Based Features for the Automatic Seizure Detection of EEG Signals Using SVM. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 1100-1108.	4.9	165
677	EEG Classification and Short-Term Epilepsy Prognosis Using Brain Computer Interface Software. , 2017, , .		7
678	Epileptic seizure detection based on EEG signal analysis using hierarchy based Hidden Markov Model. , 2017, , .		8
679	Classification of seizure and non-seizure activity in seizure patients using time-frequency domain processing of gamma band EEG signals. , 2017, , .		4
680	Logistic regression Gaussian mixture model and softmax discriminant classifier for epilepsy classification from EEG signals. , 2017, , .		18
681	Epileptic seizure detection using discrete wavelet transform based support vector machine., 2017,,.		2
682	Classification of seizure and non-seizure EEG signals based on EMD-TQWT method. , 2017, , .		19
683	A fuzzy classifier based detection for epileptic seizure signals. , 2017, , .		1
684	Epileptic seizure detection based on expected activity measurement and Neural Network classification. , 2017, 2017, 2814-2817.		4
685	Wavelet Based Classification of Epileptic Seizures in EEG Signals. , 2017, , .		16
686	Effect of tuning TQWT parameters on epileptic seizure detection from EEG signals. , 2017, , .		5
687	Epileptic seizure classification using novel entropy features applied on maximal overlap discrete wavelet packet transform of EEG signals. , 2017, , .		6
688	Automated identification of epileptic seizure EEG signals using empirical wavelet transform based Hilbert marginal spectrum. , 2017, , .		18
689	Automated identification system for seizure EEG signals using tunable-Q wavelet transform. Engineering Science and Technology, an International Journal, 2017, 20, 1486-1493.	3.2	15
690	Detection of epilepsy based on discrete wavelet transform and Teager-Kaiser energy operator., 2017,,.		15

#	ARTICLE	IF	CITATIONS
691	Conditional linear random process and random coefficient autoregressive model for EEG analysis. , 2017, , .		4
692	Classified research on epilepsy electroencephalogram of RBF neutral network based on particle swarm., 2017,,.		0
693	Detection of epilepsy using Hilbert transform and KNN based classifier. , 2017, , .		4
694	A subspace projection based feature fusion: An application to EEG clustering. , 2017, , .		O
695	Epileptic seizure detection based on selected features of different complexities using ANN., 2017,,.		2
696	State transfer network of time series based on visibility graph analysis for classifying and prediction of epilepsy seizures. , 2017, , .		3
697	A novel wavelet-based model for EEG epileptic seizure detection using multi-context learning. , 2017, , .		20
698	EEG signals classification for epileptic detection. , 2017, , .		7
699	High-yield passive Si photodiode array towards optical neural recording., 2017,,.		2
700	Seizure activity classification using parameters of Gaussian PDF in the gamma and theta band DWT coefficients of EEG signals. , 2017, , .		0
701	Identification of epileptic seizures using Hilbert transform and learning vector quantization based classifier., 2017,,.		2
702	Epileptic seizure detection using correlation dimension, lempel-ziv complexity and geometric features. , 2017, , .		0
703	High performance EEG feature extraction for fast epileptic seizure detection., 2017,,.		2
704	A dedicated bit-serial hardware neuron for massively-parallel neural networks in fast epilepsy diagnosis. , 2017, , .		3
705	A low complexity solution for epilepsy detection using an improved version of the reaction-diffusion transform. , 2017, , .		4
706	A Hybrid Approach Based on Higher Order Spectra for Clinical Recognition of Seizure and Epilepsy Using Brain Activity. Basic and Clinical Neuroscience, 2017, 8, 479-492.	0.6	8
707	Classification of Normal and Pre-Ictal EEG Signals Using Permutation Entropies and a Generalized Linear Model as a Classifier. Entropy, 2017, 19, 72.	2.2	20
708	A Removal of Eye Movement and Blink Artifacts from EEG Data Using Morphological Component Analysis. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-17.	1.3	47

#	Article	IF	CITATIONS
709	Time Series Classification via Topological Data Analysis. Transactions of the Japanese Society for Artificial Intelligence, 2017, 32, D-G72_1-12.	0.1	57
710	Prediction of Disorder of Brain using EEG Signal Processing in MATLAB GUI Platform. , 2017, , .		1
711	Tunable-Q Wavelet Transform Based Multiscale Entropy Measure for Automated Classification of Epileptic EEG Signals. Applied Sciences (Switzerland), 2017, 7, 385.	2.5	213
712	Permutation Entropy: New Ideas and Challenges. Entropy, 2017, 19, 134.	2.2	55
713	Kernel-Based Relevance Analysis with Enhanced Interpretability for Detection of Brain Activity Patterns. Frontiers in Neuroscience, 2017, 11, 550.	2.8	16
714	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
715	A high-performance seizure detection algorithm based on Discrete Wavelet Transform (DWT) and EEG. PLoS ONE, 2017, 12, e0173138.	2.5	116
716	Comparative analysis of bagâ€ofâ€words models for ECGâ€based biometrics. IET Biometrics, 2017, 6, 495-502.	2.5	17
717	Phase and amplitude coupling feature extraction and recognition of Ictal EEG using VMD., 2017,,.		9
718	Univariate and Multivariate Generalized Multiscale Entropy to Characterise EEG Signals in Alzheimer's Disease. Entropy, 2017, 19, 31.	2.2	47
719	Bimodal Gaussian PDF of the Dominant IMFs of EEG Signals for Seizure Activity Classification. , 2017, , .		0
720	Symbolic Analysis of Brain Dynamics Detects Negative Stress. Entropy, 2017, 19, 196.	2.2	39
721	Epileptic Seizures., 2017,, 63-74.		0
722	Time–frequency representation using IEVDHM–HT with application to classification of epileptic EEG signals. IET Science, Measurement and Technology, 2018, 12, 72-82.	1.6	104
723	Electroencephalographic feature evaluation for improving personal authentication performance. Neurocomputing, 2018, 287, 93-101.	5.9	26
724	Fuzzy Entropy and Its Application for Enhanced Subspace Filtering. IEEE Transactions on Fuzzy Systems, 2018, 26, 1970-1982.	9.8	23
725	Dual tree complex wavelet transform based analysis of epileptiform discharges. International Journal of Information Technology (Singapore), 2018, 10, 543-550.	2.7	3
726	Epileptic EEG Identification via LBP Operators on Wavelet Coefficients. International Journal of Neural Systems, 2018, 28, 1850010.	5.2	39

#	Article	IF	CITATIONS
727	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
728	EEG signal classification using universum support vector machine. Expert Systems With Applications, 2018, 106, 169-182.	7.6	185
729	Generalized Stockwell transform and SVD-based epileptic seizure detection in EEG using random forest. Biocybernetics and Biomedical Engineering, 2018, 38, 519-534.	5.9	61
730	Low-complexity hardware design methodology for reliable and automated removal of ocular and muscular artifact from EEG. Computer Methods and Programs in Biomedicine, 2018, 158, 123-133.	4.7	20
731	Ictal EEG Classification based on State Space Modeling of Intrinsic Mode functions. Procedia Computer Science, 2018, 125, 468-475.	2.0	2
732	User-Centric Networks Selection With Adaptive Data Compression for Smart Health. IEEE Systems Journal, 2018, 12, 3618-3628.	4.6	20
733	Hardware design of multiclass SVM classification for epilepsy and epileptic seizure detection. IET Circuits, Devices and Systems, 2018, 12, 108-115.	1.4	44
734	An epileptic seizure detection system based on cepstral analysis and generalized regression neural network. Biocybernetics and Biomedical Engineering, 2018, 38, 201-216.	5.9	54
735	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
736	VLSI Design of SVM-Based Seizure Detection System With On-Chip Learning Capability. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 171-181.	4.0	44
737	Detecting Epilepsy in EEG Signals Using Time, Frequency and Time-Frequency Domain Features. Studies in Systems, Decision and Control, 2018, , 167-182.	1.0	13
738	Epileptic seizure detection in EEG signal using machine learning techniques. Australasian Physical and Engineering Sciences in Medicine, 2018, 41, 81-94.	1.3	62
739	Epilepsy and seizure characterisation by multifractal analysis of EEG subbands. Biomedical Signal Processing and Control, 2018, 41, 264-270.	5.7	55
740	Epileptic seizure detection from EEG signals with phase–amplitude cross-frequency coupling and support vector machine. International Journal of Modern Physics B, 2018, 32, 1850086.	2.0	12
741	Epileptic Seizure Mining via Novel Empirical Wavelet Feature with J48 and KNN Classifier. Advances in Intelligent Systems and Computing, 2018, , 221-228.	0.6	4
742	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
743	EEG-Based Transceiver Design With Data Decomposition for Healthcare IoT Applications. IEEE Internet of Things Journal, 2018, 5, 3569-3579.	8.7	42
744	Automated epileptic seizure detection by analyzing wearable EEG signals using extended correlation-based feature selection. , $2018, , .$		7

#	Article	IF	CITATIONS
745	EEG based epileptiform pattern recognition inside and outside the seizure states. Biomedical Signal Processing and Control, 2018, 43, 204-215.	5.7	25
746	A Novel Signal Modeling Approach for Classification of Seizure and Seizure-Free EEG Signals. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 925-935.	4.9	122
747	Information-theoretic model selection for optimal prediction of stochastic dynamical systems from data. Physical Review E, 2018, 97, 032206.	2.1	6
748	Robust detection of epileptic seizures based on L1-penalized robust regression of EEG signals. Expert Systems With Applications, 2018, 104, 153-167.	7.6	41
749	Fourier–Bessel series expansion based empirical wavelet transform for analysis of non-stationary signals. , 2018, 78, 185-196.		128
750	A Novel Approach for Real-Time Recognition of Epileptic Seizures Using Minimum Variance Modified Fuzzy Entropy. IEEE Transactions on Biomedical Engineering, 2018, 65, 2612-2621.	4.2	52
751	Epileptic Seizure Classification of EEGs Using Time–Frequency Analysis Based Multiscale Radial Basis Functions. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 386-397.	6.3	118
752	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
753	Fuzzy distribution entropy and its application in automated seizure detection technique. Biomedical Signal Processing and Control, 2018, 39, 360-377.	5.7	78
754	Detection of epileptic dysfunctions in EEG signals using Hilbert vibration decomposition. Biomedical Signal Processing and Control, 2018, 40, 33-40.	5.7	38
755	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
756	Generalized Hurst exponent estimates differentiate EEG signals of healthy and epileptic patients. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 378-385.	2.6	56
757	Electroencephalography (EEG) signal processing for epilepsy and autism spectrum disorder diagnosis. Biocybernetics and Biomedical Engineering, 2018, 38, 16-26.	5.9	114
758	A new similarity index for nonlinear signal analysis based on local extrema patterns. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 288-299.	2.1	10
759	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
760	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
761	An accurate system to distinguish between normal and abnormal electroencephalogram records with epileptic seizure free intervals. Biomedical Signal Processing and Control, 2018, 40, 312-317.	5.7	27
762	Confidence intervals and hypothesis testing for the Permutation Entropy with an application to epilepsy. Communications in Nonlinear Science and Numerical Simulation, 2018, 57, 388-401.	3.3	14

#	Article	IF	CITATIONS
763	Local Transformed Features for Epileptic Seizure Detection in EEG Signal. Journal of Medical and Biological Engineering, 2018, 38, 222-235.	1.8	14
764	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
765	Performance evaluation of empirical mode decomposition, discrete wavelet transform, and wavelet packed decomposition for automated epileptic seizure detection and prediction. Biomedical Signal Processing and Control, 2018, 39, 94-102.	5.7	304
766	Synchronization Analysis of EEG Epilepsy by Visibility Graph Similarity. , 2018, , .		0
767	A New Signal Processing Approach for Discrimination of EEG Recordings. Stats, 2018, 1, 155-168.	0.9	6
768	Stacked Autoencoders Based Deep Learning Approach for Automatic Epileptic Seizure Detection. , 2018, , .		8
769	Epileptic Seizure Detection Using Temporal Based Measures in EEG Signal. , 2018, , .		3
770	Random Matrix-Improved Kernels For Large Dimensional Spectral Clustering. , 2018, , .		3
771	A Fast and Accurate Approach for Real-Time Seizure Detection in the IoMT., 2018,,.		11
772	Detection of Epilepsy Using MFCC-Based Feature and XGBoost. , 2018, , .		10
773	Classification of seizure and seizure-free EEG signals using Hjorth parameters. , 2018, , .		9
774	Range Entropy: A Bridge between Signal Complexity and Self-Similarity. Entropy, 2018, 20, 962.	2.2	41
775	Entropy based features in FAWT framework for automated detection of epileptic seizure EEG signals. , 2018, , .		8
776	StationPlot: A New Non-stationarity Quantification Tool for Detection of Epileptic Seizures. , 2018, , .		2
777	Limited evaluation cooperative co-evolutionary differential evolution for large-scale neuroevolution. , 2018, , .		10
778	FPGA Implementation of High Accuracy Automatic Epileptic Seizure Detection System., 2018,,.		11
779	Impact of lossy data compression techniques on EEG-based pattern recognition systems. , 2018, , .		4
780	A Multiclass Epilepsy Identification Technique Using Wavelet-Based Features. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
781	Automatic Seizure Detection Based on Nonlinear Dynamical Analysis of EEG Signals and Mutual Information. Basic and Clinical Neuroscience, 2018, 9, 227-240.	0.6	18
782	Automated Classification of Epileptic EEG Signals Based on Multi-Feature Extraction. , 2018, , .		2
783	Do Features From Short Durational Segments Classify Epileptic EEG Signals Effectively?., 2018,,.		0
784	Deep Convolutional Bidirectional LSTM Recurrent Neural Network for Epileptic Seizure Detection. , 2018, , .		37
785	Biomimetic, Soft-Material Synapse for Neuromorphic Computing: from Device to Network., 2018, , .		14
786	Feature selection applied to wavelet packet transform for an efficient EEG signal classification. , 2018, , .		0
787	Epilepsy EEG classification using morphological component analysis. Eurasip Journal on Advances in Signal Processing, 2018, 2018, .	1.7	8
788	Quantitying Nonlinear Dynamic Complexity of Epileptic EEG by Conditional Entropy Based on Different Entropy Measures. , 2018, , .		0
789	Epileptic Seizure Detection Employing Cross-Hyperbolic Stockwell Transform. , 2018, , .		7
790	Synchronization Analysis of EEG Epilepsy by Visibility Network Graph and Cross-correlation., 2018,,.		1
791	A Study of Combined Lossy Compression and Seizure Detection on Epileptic EEG Signals. Procedia Computer Science, 2018, 126, 156-165.	2.0	7
792	A comparative study of machine learning algorithms for physiological signal classification. Procedia Computer Science, 2018, 126, 1977-1984.	2.0	17
793	Using Accuracy Measure for Improving the Training of LSTM with Metaheuristic Algorithms. Procedia Computer Science, 2018, 140, 324-333.	2.0	33
794	Epileptic Seizure Detection using DWT Based Weighted Visibility Graph. , 2018, , .		1
795	A New Bionic Model and Its Application to Epileptic Electroencephalograph Recognition. , 2018, , .		0
796	A Robust and Fast Seizure Detector for IoT Edge. , 2018, , .		12
797	Comparison of Hilbert Vibration Decomposition with Empirical Mode Decomposition for Classifying Epileptic Seizures. , 2018, , .		0
798	Detection of Epileptic Seizure Event in EEG Signals Using Variational Mode Decomposition and Mode Spectral Entropy., 2018,,.		6

#	Article	IF	CITATIONS
799	Abnormal brain detection and analysis of EEG signals. , 2018, , .		0
800	Cost-Sensitive Deep Active Learning for Epileptic Seizure Detection. , 2018, , .		29
801	Deep Classification of Epileptic Signals. , 2018, 2018, 332-335.		42
802	Biosignal Data Augmentation Based on Generative Adversarial Networks. , 2018, 2018, 368-371.		57
803	MCA Based Epilepsy EEG Classification Using Time Frequency Domain Features., 2018, 2018, 3398-3401.		1
804	Complexity Analysis of Physiological Time Series Using a Novel Permutation-Ratio Entropy. IEEE Access, 2018, 6, 67653-67664.	4.2	4
805	Compressed Sensing Based Seizure Detection for an Ultra Low Power Multi-core Architecture. , 2018, , .		3
806	A multi-context learning approach for EEG epileptic seizure detection. BMC Systems Biology, 2018, 12, 107.	3.0	21
807	Automated System for Epileptic EEG Detection Using Iterative Filtering., 2018, 2, 1-4.		73
808	Hypergraphs in Phase-Space: A New Method for Predicting Epileptic Seizures. , 2018, , .		0
809	Minimum Precision Requirements for Deep Learning with Biomedical Datasets., 2018,,.		2
810	Epileptic Seizure Detection using Deep Convolutional Autoencoder. , 2018, , .		21
811	Model Selection for Body Temperature Signal Classification Using Both Amplitude and Ordinality-Based Entropy Measures. Entropy, 2018, 20, 853.	2.2	14
812	A Distributed Descriptor Characterizing Structural Irregularity of EEG Time Series for Epileptic Seizure Detection., 2018, 2018, 3386-3389.		0
813	Fractional fuzzy entropy algorithm and the complexity analysis for nonlinear time series. European Physical Journal: Special Topics, 2018, 227, 943-957.	2.6	33
814	Classification Asymptotics in the Random Matrix Regime. , 2018, , .		5
815	Analysis of Conscious Alert System from EEG data using LabView. , 2018, , .		1
816	Multilevel Wavelet Packet Entropy and Support Vector Machine for Epileptic EEG Classification., 2018,		20

#	Article	IF	CITATIONS
817	Differentiation between Normal and Interictal EEG Using Multitaper Spectral Classifiers., 2018,,.		4
818	Multiscale permutation Rényi entropy and its application for EEG signals. PLoS ONE, 2018, 13, e0202558.	2.5	18
819	Amplitude- and Fluctuation-Based Dispersion Entropy. Entropy, 2018, 20, 210.	2.2	132
820	Sample Entropy on Multidistance Signal Level Difference for Epileptic EEG Classification. Scientific World Journal, The, 2018, 2018, 1-6.	2.1	25
821	Patterns with Equal Values in Permutation Entropy: Do They Really Matter for Biosignal Classification?. Complexity, 2018, 2018, 1-15.	1.6	32
822	Accounting For Order-Frame Length Tradeoff of Savitzky-Golay Smoothing Filters. , 2018, , .		6
823	An Automated Approach for Epilepsy Detection Based on Tunable $<$ i> Q $<$ /i>-Wavelet and Firefly Feature Selection Algorithm. International Journal of Biomedical Imaging, 2018, 2018, 1-12.	3.9	23
824	An effective approach to classify epileptic EEG signal using local neighbor gradient pattern transformation methods. Australasian Physical and Engineering Sciences in Medicine, 2018, 41, 1029-1046.	1.3	15
825	Robust Detection of Epileptic Seizures Using Deep Neural Networks. , 2018, , .		14
826	Low-Power and Low-Cost Dedicated Bit-Serial Hardware Neural Network for Epileptic Seizure Prediction System. IEEE Journal of Translational Engineering in Health and Medicine, 2018, 6, 1-9.	3.7	17
827	Classification for Imperfect EEG Epileptic Seizure in IoT applications: A Comparative Study., 2018,,.		9
828	Classification of Seizure Through SVM Based Classifier. , 2018, , .		2
829	Seizure onset detection based on frequency domain metric of empirical mode decomposition. Signal, Image and Video Processing, 2018, 12, 1489-1496.	2.7	19
830	Automated class-based compression for real-time epileptic seizure detection. , 2018, , .		9
831	Classification of single-channel EEG signals for epileptic seizures detection based on hybrid features. Technology and Health Care, 2018, 26, 337-346.	1.2	31
832	Chaotic Dynamics in Brain Activity: An Approach Based on Cross-Prediction Errors for Nonstationary Signals. Advances in Data Science and Adaptive Analysis, 2018, 10, 1840003.	0.4	0
833	An Efficient Framework for the Analysis of Big Brain Signals Data. Lecture Notes in Computer Science, 2018, , 199-207.	1.3	6
834	Deep Convolution Neural Network and Autoencoders-Based Unsupervised Feature Learning of EEG Signals. IEEE Access, 2018, 6, 25399-25410.	4.2	143

#	Article	IF	CITATIONS
836	Geometric classification of brain network dynamics via conic derivative discriminants. Journal of Neuroscience Methods, 2018, 308, 88-105.	2.5	1
837	OCEAN: An On-Chip Incremental-Learning Enhanced Artificial Neural Network Processor With Multiple Gated-Recurrent-Unit Accelerators. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2018, 8, 519-530.	3.6	17
838	Patient-specific seizure detection in long-term EEG using signal-derived empirical mode decomposition (EMD)-based dictionary approach. Journal of Neural Engineering, 2018, 15, 056004.	3.5	32
839	EEG signal analysis of patients with epilepsy disorder using machine learning techniques. , 2018, , .		3
840	Classification of epileptic EEG signals by wavelet based CFC. , 2018, , .		8
841	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
842	Epileptic EEG signal classification using optimum allocation based power spectral density estimation. IET Signal Processing, 2018, 12, 738-747.	1.5	26
843	A Comparison of Neuromorphic Classification Tasks. , 2018, , .		10
844	Discrimination of multi-class EEG signal in phase space of variability for epileptic seizure detection using error correcting output code (ECOC). International Journal of Information Technology (Singapore), 2018, , 1.	2.7	3
845	Classification of EEG signals using spiking neural networks., 2018,,.		3
846	Bio-Signal Complexity Analysis in Epileptic Seizure Monitoring: A Topic Review. Sensors, 2018, 18, 1720.	3.8	27
847	Dynamic Mode Decomposition Based Epileptic Seizure Detection from Scalp EEG. IEEE Access, 2018, 6, 38683-38692.	4.2	71
848	MMSFL-OWFB: A novel class of orthogonal wavelet filters for epileptic seizure detection. Knowledge-Based Systems, 2018, 160, 265-277.	7.1	86
849	A New Generalized Deep Learning Framework Combining Sparse Autoencoder and Taguchi Method for Novel Data Classification and Processing. Mathematical Problems in Engineering, 2018, 2018, 1-13.	1.1	37
850	Detection of Epileptic EEG Signal Using Improved Local Pattern Transformation Methods. Circuits, Systems, and Signal Processing, 2018, 37, 5554-5575.	2.0	19
851	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
852	Discriminant feature level fusion based learning for automatic staging of EEG signals. Healthcare Technology Letters, 2018, 5, 226-230.	3.3	2
853	E-Embed: A time series visualization framework based on earth mover's distance. Journal of Visual Languages and Computing, 2018, 48, 110-122.	1.8	1

#	Article	IF	CITATIONS
854	Denoising Sparse Autoencoder-Based Ictal EEG Classification. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1717-1726.	4.9	62
855	A stable feature extraction method in classification epileptic EEG signals. Australasian Physical and Engineering Sciences in Medicine, 2018, 41, 721-730.	1.3	25
856	Automatic epileptic seizure detection based on empirical mode decomposition and deep neural network. , $2018, , .$		32
858	Surrogate data for hypothesis testing of physical systems. Physics Reports, 2018, 748, 1-60.	25.6	272
859	Detection of epileptic seizure based on entropy analysis of short-term EEG. PLoS ONE, 2018, 13, e0193691.	2.5	76
860	Adaptive Hybrid Feature Selection-Based Classifier Ensemble for Epileptic Seizure Classification. IEEE Access, 2018, 6, 29132-29145.	4.2	21
861	Automatic seizure detection based on kernel robust probabilistic collaborative representation. Medical and Biological Engineering and Computing, 2019, 57, 205-219.	2.8	14
862	Generalized Hidden-Mapping Transductive Transfer Learning for Recognition of Epileptic Electroencephalogram Signals. IEEE Transactions on Cybernetics, 2019, 49, 2200-2214.	9.5	49
863	N-WRETS: Near-Lossless Wireless Real-time Efficient Electroencephalogram Transmission Solution to Support Sleep Disorder Monitoring Platforms. Telemedicine Journal and E-Health, 2019, 25, 116-125.	2.8	4
864	Epileptic Seizure Detection Using Empirical Mode Decomposition Based Fuzzy Entropy and Support Vector Machine. Lecture Notes in Electrical Engineering, 2019, , 109-118.	0.4	6
865	Accurate Classification of Seizure and Seizure-Free Intervals of Intracranial EEG Signals From Epileptic Patients. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 791-796.	4.7	77
866	Two-stage wavelet shrinkage and EEG-EOG signal contamination model to realize quantitative validations for the artifact removal from multiresource biosignals. Biomedical Signal Processing and Control, 2019, 47, 96-114.	5.7	6
867	Exploration of time–frequency reassignment and homologous inter-hemispheric asymmetry analysis of MCI–AD brain activity. BMC Neuroscience, 2019, 20, 38.	1.9	6
868	Detection of Non Random Phase Signal in Additive Noise with Surrogate Analysis., 2019,,.		5
869	Exploring Douglas-Peucker Algorithm in the Detection of Epileptic Seizure from Multicategory EEG Signals. BioMed Research International, 2019, 2019, 1-19.	1.9	18
870	Wavelet-Based EEG Processing for Epilepsy Detection Using Fuzzy Entropy and Associative Petri Net. IEEE Access, 2019, 7, 103255-103262.	4.2	131
871	Neuro-Detect: A Machine Learning-Based Fast and Accurate Seizure Detection System in the IoMT. IEEE Transactions on Consumer Electronics, 2019, 65, 359-368.	3.6	56
872	Epilepsy Detection in EEG Signal using Recurrent Neural Network. , 2019, , .		21

#	Article	IF	CITATIONS
873	Seizure Detection Using Least Eeg Channels by Deep Convolutional Neural Network., 2019,,.		30
874	Epileptic Brain Dynamics. Understanding Complex Systems, 2019, , 261-271.	0.6	0
875	EPILEPTIC Seizure Classification Using Gradient Tree Boosting Classifier., 2019,,.		3
876	Reliability analysis of complex brain networks based on chaotic time series. Microelectronics Reliability, 2019, 99, 295-301.	1.7	2
877	EEG-Based Seizure Diagnosis Using Discriminative Fractal Features from Feature Selection. Lecture Notes in Computer Science, 2019, , 436-447.	1.3	0
878	Epileptic seizure identification using entropy of FBSE based EEG rhythms. Biomedical Signal Processing and Control, 2019, 53, 101569.	5 . 7	113
879	Examining nonlinearity using complexity and entropy. Chaos, 2019, 29, 063109.	2.5	7
880	A Deep Learning Approach to Phase-Space Analysis for Seizure Detection. , 2019, , .		2
881	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
882	Deciphering Dynamical Nonlinearities in Short Time Series Using Recurrent Neural Networks. Scientific Reports, 2019, 9, 14158.	3.3	0
883	Epileptic Seizure Classification based on the Combined Features. , 2019, , .		2
884	A Hybrid Scheme Using PCA and ICA Based Statistical Feature for Epileptic Seizure Recognition from EEG Signal. , 2019, , .		8
885	An efficient intelligent system for the classification of electroencephalography (EEG) brain signals using nuclear features for human cognitive tasks. Journal of Intelligent and Fuzzy Systems, 2019, 37, 913-928.	1.4	3
886	A strategy combining intrinsic time-scale decomposition and a feedforward neural network for automatic seizure detection. Physiological Measurement, 2019, 40, 095004.	2.1	7
887	Study on Real-time Prediction Method of Seizures based on YOLOV3 for EEG Spike Wave Detection. , 2019, , .		1
888	Ranking Power Spectra: A Proof of Concept. Entropy, 2019, 21, 1057.	2.2	6
889	Signal2Image Modules in Deep Neural Networks for EEG Classification. , 2019, 2019, 702-705.		19
890	Correlation dimension to determine changes in subbands of epileptic signals. , 2019, , .		O

#	Article	IF	CITATIONS
891	Additive Explanations for Anomalies Detected from Multivariate Temporal Data., 2019,,.		17
892	Novel Automatic Epilepsy Detection Method Multi-weight Transition Network. , 2019, 2019, 2560-2563.		1
893	A Convenient Method for Learning to Classify Biomedical and Other Complex Signals based on Neuronal Boolean Complexity. , 2019, , .		0
894	Adaptive-Halting Policy Network for Early Classification. , 2019, , .		21
895	Biosignal Generation and Latent Variable Analysis With Recurrent Generative Adversarial Networks. IEEE Access, 2019, 7, 144292-144302.	4.2	18
896	Real-Time Implementation of a Multidomain Feature Fusion Model Using Inherently Available Large Sensor Data. IEEE Transactions on Industrial Informatics, 2019, 15, 6231-6239.	11.3	12
897	Persistent homology of complex networks for dynamic state detection. Physical Review E, 2019, 100, 022314.	2.1	47
898	Classification of Extracranial and Intracranial EEG Signals by using Finite Impulse Response Filter through Ensemble Learning. , 2019, , .		4
899	Multifractal Analysis for Cumulant-Based Epileptic Seizure Detection in Eeg Time Series., 2019,,.		1
900	A novel local senary pattern based epilepsy diagnosis system using EEG signals. Australasian Physical and Engineering Sciences in Medicine, 2019, 42, 939-948.	1.3	36
901	A 65-nm CMOS Lossless Bio-Signal Compression Circuit With 250 FemtoJoule Performance Per Bit. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 1087-1100.	4.0	8
902	Compress or Interfere?. , 2019, , .		0
903	Design of a Network Permutation Entropy and Its Applications for Chaotic Time Series and EEG Signals. Entropy, 2019, 21, 849.	2.2	12
904	A Novel Doubly Reweighting Multisource Transfer Learning Framework. IEEE Transactions on Emerging Topics in Computational Intelligence, 2019, 3, 380-391.	4.9	4
905	Deep Learning Classification for Epilepsy Detection Using a Single Channel Electroencephalography (EEG)., 2019,,.		9
906	Interpretation of Entropy Algorithms in the Context of Biomedical Signal Analysis and Their Application to EEG Analysis in Epilepsy. Entropy, 2019, 21, 840.	2.2	24
907	Patient Nonspecific Epilepsy Detection Using EEG. Advances in Intelligent Systems and Computing, 2019, 541-548.	0.6	3
908	EEG ENHANCEMENT USING EXTENDED KALMAN FILTER TO TRAIN MULTI-LAYER PERCEPTRON. Biomedical Engineering - Applications, Basis and Communications, 2019, 31, 1950005.	0.6	6

#	Article	IF	Citations
909	Classification for EEG report generation and epilepsy detection. Neurocomputing, 2019, 335, 81-95.	5.9	21
910	Exploring Hermite transformation in brain signal analysis for the detection of epileptic seizure. IET Science, Measurement and Technology, 2019, 13, 35-41.	1.6	57
911	Multifractal Study of EEG Signal of Subjects with Epilepsy and Alzheimer's. , 2019, , 47-77.		0
913	Performance Evaluation of Discrete Wavelet Transform, and Wavelet Packet Decomposition for Automated Focal and Generalized Epileptic Seizure Detection. IETE Journal of Research, 2021, 67, 778-798.	2.6	9
914	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
915	Integrating Convolutional Neural Networks and Probabilistic Graphical Modeling for Epileptic Seizure Detection in Multichannel EEG. Lecture Notes in Computer Science, 2019, , 291-303.	1.3	9
916	Regression analysis for detecting epileptic seizure with different feature extracting strategies. Biomedizinische Technik, 2019, 64, 619-642.	0.8	13
917	Identification of Epileptic Seizures by Characterizing Instantaneous Energy Behavior of EEG. IEEE Access, 2019, 7, 70059-70076.	4.2	13
918	Automated Epileptic Seizure Detection Method Based on the Multi-attribute EEG Feature Pool and mRMR Feature Selection Method. Lecture Notes in Computer Science, 2019, , 45-59.	1.3	1
919	Damage Detection in Bridge Structures under Moving Vehicle Loads Using Delay Vector Variance Method. Journal of Performance of Constructed Facilities, 2019, 33, .	2.0	7
920	A novel filter–wrapper hybrid greedy ensemble approach optimized using the genetic algorithm to reduce the dimensionality of high-dimensional biomedical datasets. Applied Soft Computing Journal, 2019, 81, 105538.	7.2	32
921	Difficulty-weighted learning: A novel curriculum-like approach based on difficult examples for neural network training. Expert Systems With Applications, 2019, 135, 83-89.	7.6	1
922	Automated Epilepsy Diagnosis Using EEG With Test Set Evaluation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1106-1116.	4.9	18
923	Spectral information of EEG signals with respect to epilepsy classification. Eurasip Journal on Advances in Signal Processing, 2019, 2019, .	1.7	77
924	Deep learning-based electroencephalography analysis: a systematic review. Journal of Neural Engineering, 2019, 16, 051001.	3.5	710
925	Simultaneous Human Health Monitoring and Time-Frequency Sparse Representation Using EEG and ECG Signals. IEEE Access, 2019, 7, 85985-85994.	4.2	9
926	Embedded Dimension and Time Series Length. Practical Influence on Permutation Entropy and Its Applications. Entropy, 2019, 21, 385.	2.2	32
927	Anomaly detection for time series using temporal convolutional networks and Gaussian mixture model. Journal of Physics: Conference Series, 2019, 1187, 042111.	0.4	8

#	Article	IF	Citations
928	Automatic Diagnosis of Epileptic Seizure in Electroencephalography Signals Using Nonlinear Dynamics Features. IEEE Access, 2019, 7, 61046-61056.	4.2	48
929	Classification of epileptic EEG recordings using signal transforms and convolutional neural networks. Computers in Biology and Medicine, 2019, 109, 148-158.	7.0	117
930	Classification of Epileptic Seizures using Recurrence Plots and Machine Learning Techniques., 2019,,.		17
931	Distributed data clustering over networks. Pattern Recognition, 2019, 93, 603-620.	8.1	18
932	Recognition of Multiclass Epileptic EEG Signals Based on Knowledge and Label Space Inductive Transfer. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 630-642.	4.9	30
933	Introducing chaotic codes for the modulation of code modulated visual evoked potentials (c-VEP) in normal adults for visual fatigue reduction. PLoS ONE, 2019, 14, e0213197.	2.5	19
934	Early seizure detection for closed loop direct neurostimulation devices in epilepsy. Journal of Neural Engineering, 2019, 16, 041001.	3.5	25
935	An IoT-based Drug Delivery System for Refractory Epilepsy. , 2019, , .		6
936	A novel approach for classification of epileptic seizures using matrix determinant. Expert Systems With Applications, 2019, 127, 323-341.	7.6	79
937	Complex temporal patterns processing by a neural mass model of a cortical column. Cognitive Neurodynamics, 2019, 13, 379-392.	4.0	9
938	Wavelet based deep learning approach for epilepsy detection. Health Information Science and Systems, 2019, 7, 8.	5.2	46
939	Hybrid Approach for Classification of Electroencephalographic Signals Using Time–Frequency Images With Wavelets and Texture Features. , 2019, , 253-273.		15
940	Research on fatigue driving detection using forehead EEG based on adaptive multi-scale entropy. Biomedical Signal Processing and Control, 2019, 51, 50-58.	5.7	75
941	Grasshopper optimization algorithm–based approach for the optimization of ensemble classifier and feature selection to classify epileptic EEG signals. Medical and Biological Engineering and Computing, 2019, 57, 1323-1339.	2.8	18
942	EMPIRICAL MODE DECOMPOSITION-BASED PROCESSING FOR AUTOMATED DETECTION OF EPILEPSY. Journal of Mechanics in Medicine and Biology, 2019, 19, 1940003.	0.7	4
943	CONVOLUTIONAL LONG-SHORT TERM MEMORY NETWORKS MODEL FOR LONG DURATION EEG SIGNAL CLASSIFICATION. Journal of Mechanics in Medicine and Biology, 2019, 19, 1940005.	0.7	17
944	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
945	Deep learning for electroencephalogram (EEG) classification tasks: a review. Journal of Neural Engineering, 2019, 16, 031001.	3.5	833

#	Article	IF	Citations
946	Multiclass Alpha Integration of Scores from Multiple Classifiers. Neural Computation, 2019, 31, 806-825.	2.2	34
949	A NOVEL APPROACH FOR EPILEPSY DETECTION USING TIME–FREQUENCY LOCALIZED BI-ORTHOGONAL WAVELET FILTER. Journal of Mechanics in Medicine and Biology, 2019, 19, 1940007.	0.7	32
950	Classification of Epileptic Encephalogram Signals Using Area of Octagon. , 2019, , .		0
951	Using Local Minimum and Maximum Points in EEG for Diagnosis of Epilepsy. , 2019, , .		O
952	Epileptic Seizure Detection from Imbalanced EEG signal. , 2019, , .		3
953	An Epilepsy and Seizure Classification Approach Based on Multi-Spike Liquid State Machines. , 2019, , .		4
954	On Inner-Product Kernels of High Dimensional Data. , 2019, , .		2
955	Automated detection of epileptic seizures using DWT based features and SVM classifier., 2019,,.		1
956	Epilepsy Detection and Classification for Smart IoT Devices Using hybrid Technique., 2019,,.		4
957	THE ACTUATION SPECTRUM OF SPATIOTEMPORAL NETWORKS WITH POWER-LAW TIME DEPENDENCIES. International Journal of Modeling, Simulation, and Scientific Computing, 2019, 22, 1950023.	1.4	4
958	Testing the effectiveness of statistical features for binary and ternary epilepsy classification. , 2019, , .		0
959	Sequential Segmentation of EEG Signals for Epileptic Seizure Detection using Machine Learning. , 2019, , .		1
960	Fractional Linear Prediction Technique for EEG signals classification., 2019,,.		4
961	Epilepsy detection using multiclass classifier based on spectral features. , 2019, , .		2
962	A Cost-effective Method for Epileptic Seizure Classification. , 2019, , .		0
963	Automatic identification and analysis of epileptic seizure. , 2019, , .		O
964	Epileptic Seizure Detection and Classification using Support Vector Machine from Scalp EEG Signal. , 2019, , .		1
965	Classification of EEG Signals Using Hilbert-Huang Transform-Based Deep Neural Networks. , 2019, , .		1

#	Article	IF	CITATIONS
966	Higuchi and Katz Fractal Dimension for Detecting Interictal and Ictal State in Electroencephalogram Signal. , 2019 , , .		7
967	Automatic epileptic seizure detection in a mixed generalized and focal seizure dataset., 2019,,.		4
968	Epilepsy Detection Using Artificial Neural Network and Grasshopper Optimization Algorithm (GOA). , 2019, , .		3
969	A Deep Transfer Learning Approach for Seizure Detection Using RGB Features of Epileptic Electroencephalogram Signals., 2019,,.		2
970	Automatic Detection and Classification of Epileptic Seizure using Radial basis Function and Power Spectral Density. , 2019, , .		1
971	Multiresolution Spectral Analysis of Epileptic EEG Signals Using Various Wavelet Types. , 2019, , .		4
972	Epileptic Activity Detection in EEG Signals using Linear and Non-linear Feature Extraction Methods. , 2019, , .		3
973	An Artificial Neural Network Model for Epilepsy Seizure Detection. , 2019, , .		18
974	Performance Analysis of Supervised Machine Learning Algorithms for Epileptic Seizure Detection with high variability EEG datasets: A Comparative Study. , 2019, , .		3
975	Epileptic Seizure Detection via EEG using Tree-based Pipeline Optimization Tool. , 2019, , .		1
976	Epileptic seizures identification with autoregressive model and firefly optimization based classification. Evolving Systems, 2021, 12, 827-836.	3.9	17
977	Epileptic Seizure Detection Based on Bandwidth Features of EEG Signals. Procedia Computer Science, 2019, 161, 568-576.	2.0	2
978	Slope Entropy: A New Time Series Complexity Estimator Based on Both Symbolic Patterns and Amplitude Information. Entropy, 2019, 21, 1167.	2.2	43
979	Epileptic EEG Signal Classification using Multi-class Convolutional Neural Network. , 2019, , .		6
980	Epileptic States Recognition Using Transfer Learning. , 2019, 2019, 2539-2542.		1
981	Comparing clusterings using combination of the kappa statistic and entropy-based measure. Metron, 2019, 77, 253-270.	1.2	1
982	Redundancy Removed Dual-Tree Discrete Wavelet Transform to Construct Compact Representations for Automated Seizure Detection. Applied Sciences (Switzerland), 2019, 9, 5215.	2.5	9
983	Detection of Epilepsy Seizures in Neo-Natal EEG Using LSTM Architecture. IEEE Access, 2019, 7, 179074-179085.	4.2	69

#	ARTICLE	IF	CITATIONS
984	Epileptic EEG Identification Based on Deep Bi-LSTM Network., 2019,,.		8
985	Seizure and Non-Seizure EEG Signals Detection Using 1-D Convolutional Neural Network Architecture of Deep Learning Algorithm., 2019,,.		13
986	Semi-Supervised EEG Signals Classification System for Epileptic Seizure Detection. IEEE Signal Processing Letters, 2019, 26, 1922-1926.	3.6	38
987	IoT and cloud computing based automatic epileptic seizure detection using HOS features based random forest classification. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 15497-15512.	4.9	36
988	Epileptic Seizure Detection from EEG Signals Using Multiband Features with Feedforward Neural Network. , 2019, , .		9
989	Enhancing Feature Selection with Density Cluster for Better Clustering. Advances in Intelligent Systems and Computing, 2019, , 138-150.	0.6	1
990	A robust methodology for classification of epileptic seizures in EEG signals. Health and Technology, 2019, 9, 135-142.	3.6	66
991	Detection of Epileptic Seizure Using Wavelet Transform and Neural Network Classifier. Advances in Intelligent Systems and Computing, 2019, , 739-747.	0.6	9
993	Edge-based compression and classification for smart healthcare systems: Concept, implementation and evaluation. Expert Systems With Applications, 2019, 117, 1-14.	7.6	49
994	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
995	Detection of Seizure Event and Its Onset/Offset Using Orthonormal Triadic Wavelet Based Features. Irbm, 2019, 40, 103-112.	5.6	46
996	Gray-level co-occurrence matrix of Fourier synchro-squeezed transform for epileptic seizure detection. Biocybernetics and Biomedical Engineering, 2019, 39, 87-99.	5.9	52
997	Noninvasive method of epileptic detection using DWT and generalized regression neural network. Soft Computing, 2019, 23, 2645-2653.	3.6	15
998	Brain Health Assessment via Classification of EEG Signals for Seizure and Non-seizure Conditions Using Extreme Learning Machine (ELM). Advances in Intelligent Systems and Computing, 2019, , 97-111.	0.6	2
999	A feature extraction technique based on tunable Q-factor wavelet transform for brain signal classification. Journal of Neuroscience Methods, 2019, 312, 43-52.	2.5	67
1000	Adaptive multi-parent crossover GA for feature optimization in epileptic seizure identification. Applied Soft Computing Journal, 2019, 75, 575-587.	7.2	24
1001	Optimized deep neural network architecture for robust detection of epileptic seizures using EEG signals. Clinical Neurophysiology, 2019, 130, 25-37.	1.5	150
1002	Detecting Seizures From EEG Signals Using the Entropy of Visibility Heights of Hierarchical Neighbors. IEEE Access, 2019, 7, 7889-7896.	4.2	18

#	Article	IF	CITATIONS
1003	Probability-Based Approach for Epileptic Seizure Detection Using Hidden Markov Model. Communications in Computer and Information Science, 2019, , 268-281.	0.5	0
1004	Application of fractal dimension for EEG based diagnosis of encephalopathy. Analog Integrated Circuits and Signal Processing, 2019, 100, 429-436.	1.4	18
1005	Time-domain exponential energy for epileptic EEG signal classification. Neuroscience Letters, 2019, 694, 1-8.	2.1	67
1006	Epileptic seizure detection in EEG signals using sparse multiscale radial basis function networks and the Fisher vector approach. Knowledge-Based Systems, 2019, 164, 96-106.	7.1	103
1007	Cross-wavelet transform as a new prototype for classification of EEG signals. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2019, 7, 348-358.	1.9	5
1008	Fitting of experimental data using a fractional Kalman-like observer. ISA Transactions, 2019, 88, 153-169.	5 . 7	9
1009	The impact of musical experience on neural sound encoding performance. Neuroscience Letters, 2019, 694, 124-128.	2.1	29
1010	A new feature extraction and classification mechanisms For EEG signal processing. Multidimensional Systems and Signal Processing, 2019, 30, 1793-1809.	2.6	8
1011	A new framework using deep auto-encoder and energy spectral density for medical waveform data classification and processing. Biocybernetics and Biomedical Engineering, 2019, 39, 148-159.	5.9	44
1012	Predicting state transitions in brain dynamics through spectral difference of phase-space graphs. Journal of Computational Neuroscience, 2019, 46, 91-106.	1.0	8
1013	Classification of EEG Signals Using Hybrid Feature Extraction and Ensemble Extreme Learning Machine. Neural Processing Letters, 2019, 50, 1281-1301.	3.2	21
1014	Unsupervised EEG feature extraction based on echo state network. Information Sciences, 2019, 475, 1-17.	6.9	64
1015	Automatic identification of epileptic EEG signals through binary magnetic optimization algorithms. Neural Computing and Applications, 2019, 31, 1317-1329.	5.6	15
1016	EEG seizure classification based on exploiting phase space reconstruction and extreme learning. Cluster Computing, 2019, 22, 11477-11487.	5.0	9
1017	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
1018	Tsallis entropy: as a new single feature with the least computation time for classification of epileptic seizures. Cluster Computing, 2019, 22, 15213-15221.	5.0	19
1019	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
1020	Epileptic seizure detection using hybrid machine learning methods. Neural Computing and Applications, 2019, 31, 317-325.	5.6	179

#	Article	IF	CITATIONS
1021	A hybrid unsupervised approach toward EEG epileptic spikes detection. Neural Computing and Applications, 2020, 32, 2521-2532.	5.6	8
1022	A KSOM based neural network model for classifying the epilepsy using adjustable analytic wavelet transform. Multimedia Tools and Applications, 2020, 79, 10077-10098.	3.9	9
1023	Complexity-based classification of EEG signal in normal subjects and patients with epilepsy. Technology and Health Care, 2020, 28, 57-66.	1.2	33
1024	Detecting Epileptic Seizures Using Abe Entropy, Line Length and SVM Classifier. Advances in Intelligent Systems and Computing, 2020, , 169-178.	0.6	2
1025	Automatic detection of epileptic seizure based on approximate entropy, recurrence quantiffation analysis and convolutional neural networks. Artificial Intelligence in Medicine, 2020, 102, 101711.	6.5	73
1026	An evolutionary approach for efficient prototyping of large time series datasets. Information Sciences, 2020, 511, 74-93.	6.9	8
1027	Epileptic seizure recognition using EEG wavelet decomposition based on nonlinear and statistical features with support vector machine classification. Biomedizinische Technik, 2020, 65, 133-148.	0.8	16
1028	Epileptic seizure detection on EEG signals using machine learning techniques and advanced preprocessing methods. Biomedizinische Technik, 2020, 65, 33-50.	0.8	27
1029	Research on an olfactory neural system model and its applications based on deep learning. Neural Computing and Applications, 2020, 32, 5713-5724.	5.6	10
1030	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
1031	Semi-Supervised Learning Algorithm for Identifying High-Priority Drug–Drug Interactions Through Adverse Event Reports. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 57-68.	6.3	29
1032	Automatic epileptic seizure classification in multichannel EEG time series with linear discriminant analysis. Technology and Health Care, 2020, 28, 23-33.	1.2	5
1033	Epileptic Seizure Recognition Using Deep Neural Network. Advances in Intelligent Systems and Computing, 2020, , 21-28.	0.6	2
1034	Identification of epileptic seizures in EEG signals using time-scale decomposition (ITD), discrete wavelet transform (DWT), phase space reconstruction (PSR) and neural networks. Artificial Intelligence Review, 2020, 53, 3059-3088.	15.7	27
1035	Spectral density-based and measure-preserving ABC for partially observed diffusion processes. An illustration on Hamiltonian SDEs. Statistics and Computing, 2020, 30, 627-648.	1.5	13
1036	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
1037	Seizure detection in EGG signal with novel optimization algorithm for selecting optimal thresholded offset Gaussian feature. Biomedical Signal Processing and Control, 2020, 56, 101708.	5.7	8
1038	A Spatio-Temporal Model of Seizure Propagation in Focal Epilepsy. IEEE Transactions on Medical Imaging, 2020, 39, 1404-1418.	8.9	12

#	Article	IF	CITATIONS
1039	Detection of focal epilepsy in brain maps through a novel pattern recognition technique. Neural Computing and Applications, 2020, 32, 10143-10157.	5 . 6	5
1040	A method for outlier detection based on cluster analysis and visual expert criteria. Expert Systems, 2020, 37, e12473.	4.5	14
1041	Linear and nonlinear interrelations show fundamentally distinct network structure in preictal intracranial EEG of epilepsy patients. Human Brain Mapping, 2020, 41, 467-483.	3.6	15
1042	Epileptic seizure detection in EEG signals using normalized IMFs in CEEMDAN domain and quadratic discriminant classifier. Biomedical Signal Processing and Control, 2020, 58, 101833.	5 . 7	18
1043	TTA, a new approach to estimate Hurst exponent with less estimation error and computational time. Physica A: Statistical Mechanics and Its Applications, 2020, 553, 124093.	2.6	14
1044	Classification of epilepsy period based on combination feature extraction methods and spiking swarm intelligent optimization algorithm. Concurrency Computation Practice and Experience, 2020, 33, e5550.	2.2	0
1045	A combined measure to differentiate EEG signals using fractal dimension and MFDFA-Hurst. Communications in Nonlinear Science and Numerical Simulation, 2020, 84, 105170.	3.3	25
1046	A review of feature extraction and performance evaluation in epileptic seizure detection using EEG. Biomedical Signal Processing and Control, 2020, 57, 101702.	5 . 7	195
1047	Pulsewidth Modulation-Based Algorithm for Spike Phase Encoding and Decoding of Time-Dependent Analog Data. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3920-3931.	11.3	7
1048	Prediction of epileptic seizures using fNIRS and machine learning. Journal of Intelligent and Fuzzy Systems, 2020, 38, 2055-2068.	1.4	6
1049	An efficient error-minimized random vector functional link network for epileptic seizure classification using VMD. Biomedical Signal Processing and Control, 2020, 57, 101787.	5.7	37
1050	A Tunable-Q wavelet transform and quadruple symmetric pattern based EEG signal classification method. Medical Hypotheses, 2020, 134, 109519.	1.5	44
1051	Deep Learning Approach for Epileptic Focus Localization. IEEE Transactions on Biomedical Circuits and Systems, 2020, 14, 209-220.	4.0	41
1052	Automated epileptic seizure waveform detection method based on the feature of the mean slope of wavelet coefficient counts using a hidden Markov model and EEG signals. ETRI Journal, 2020, 42, 217-229.	2.0	12
1053	Scattering transform-based features for the automatic seizure detection. Biocybernetics and Biomedical Engineering, 2020, 40, 77-89.	5.9	6
1054	A Novel Blending Hilbert -Kolmogorov Approach for Epileptic Seizures detection. , 2020, , .		O
1055	Deep Multi-scale Feature Fusion Convolutional Neural Network for Automatic Epilepsy Detection Using EEG Signals. , 2020, , .		7
1056	Seizure Onset Zone Lateralization Using a Non-linear Analysis of Micro vs. Macro Electroencephalographic Recordings During Seizure-Free Stages of the Sleep-Wake Cycle From Epilepsy Patients. Frontiers in Neurology, 2020, 11, 553885.	2.4	4

#	Article	IF	CITATIONS
1057	Epileptic EEG information entropy based on different entropy estimation methods. Journal of Physics: Conference Series, 2020, 1592, 012039.	0.4	0
1058	Loss Function Selection in NN based Classifiers: Try-outs with a Novel Method. , 2020, , .		1
1059	IoT based Efficient Epileptic Seizure Prediction System Using Deep Learning. , 2020, , .		15
1060	Layer-wise Pre-training Mechanism Based on Neural Network for Epilepsy Detection. , 2020, , .		0
1061	A Novel Recognition Strategy for Epilepsy EEG Signals Based on Conditional Entropy of Ordinal Patterns. Entropy, 2020, 22, 1092.	2.2	11
1062	Transfer discriminative dictionary learning with label consistency for classification of EEG signals of epilepsy. Journal of Ambient Intelligence and Humanized Computing, 2020, , 1.	4.9	8
1063	DWT-Net: Seizure Detection System with Structured EEG Montage and Multiple Feature Extractor in Convolution Neural Network. Journal of Sensors, 2020, 2020, 1-13.	1.1	10
1064	Classification of epileptic seizure dataset using different machine learning algorithms. Informatics in Medicine Unlocked, 2020, 21, 100444.	3.4	27
1065	EPILEPTIC EEG IDENTIFICATION BASED ON HYBRID FEATURE EXTRACTION. Journal of Mechanics in Medicine and Biology, 2020, 20, 2050025.	0.7	6
1066	Voxel Weight Matrix-Based Feature Extraction for Biomedical Applications. IEEE Access, 2020, 8, 121451-121459.	4.2	2
1067	Epileptic Seizure Detection Based on New Hybrid Models with Electroencephalogram Signals. Irbm, 2020, 41, 331-353.	5.6	21
1068	Implementation of Lightweight eHealth Applications on a Low-Power Embedded Processor. IEEE Access, 2020, 8, 121724-121732.	4.2	3
1069	Phase space elliptic density feature for epileptic EEG signals classification using metaheuristic optimization method. Knowledge-Based Systems, 2020, 205, 106276.	7.1	20
1070	A machine learning approach to epileptic seizure prediction using Electroencephalogram (EEG) Signal. Biocybernetics and Biomedical Engineering, 2020, 40, 1328-1341.	5.9	75
1071	A Hierarchical Discriminative Sparse Representation Classifier for EEG Signal Detection. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 1679-1687.	3.0	27
1072	MNL-Network: A Multi-Scale Non-local Network for Epilepsy Detection From EEG Signals. Frontiers in Neuroscience, 2020, 14, 870.	2.8	17
1073	A Novel Framework Using Deep Auto-Encoders Based Linear Model for Data Classification. Sensors, 2020, 20, 6378.	3.8	15
1074	Automatic Recognition of Epileptiform EEG Abnormalities Using Machine Learning Approaches. , 2020, , .		2

#	Article	IF	Citations
1075	Automatic seizure detection using neutrosophic classifier. Physical and Engineering Sciences in Medicine, 2020, 43, 1019-1028.	2.4	8
1076	Epileptic Seizure Detection and Experimental Treatment: A Review. Frontiers in Neurology, 2020, 11, 701.	2.4	30
1077	Epileptic seizure detection via logarithmic normalized functional values of singular values. Biomedical Signal Processing and Control, 2020, 62, 102086.	5.7	8
1078	Automatic Identification of Epileptic Seizures From EEG Signals Using Sparse Representation-Based Classification. IEEE Access, 2020, 8, 138834-138845.	4.2	16
1079	Evaluating five different adaptive decomposition methods for EEG signal seizure detection and classification. Biomedical Signal Processing and Control, 2020, 62, 102073.	5.7	49
1080	A Comparative Performance Evaluation of Classification Algorithms for Clinical Decision Support Systems. Mathematics, 2020, 8, 1814.	2.2	13
1081	Two Approaches to Machine Learning Classification of Time Series Based on Recurrence Plots. , 2020, , .		9
1082	Empirical Evaluation on the Impact of Class Overlap for EEG-Based Early Epileptic Seizure Detection. IEEE Access, 2020, 8, 180328-180340.	4.2	3
1083	Review of Methods for EEG Signal Classification and Development of New Fuzzy Classification-Based Approach. IEEE Access, 2020, 8, 189720-189734.	4.2	28
1084	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
1085	Collective almost synchronization-based model to extract and predict features of EEG signals. Scientific Reports, 2020, 10, 16342.	3.3	13
1086	Real-Time Automatic Seizure Detection Using Ordinary Kriging Method in an Edge-loMT Computing Paradigm. SN Computer Science, 2020, $1,1.$	3.6	17
1087	Smart Health Monitoring for Seizure Detection using Mobile Edge Computing. , 2020, , .		1
1088	Architecture of A Novel Low-Cost Hardware Neural Network. , 2020, , .		4
1089	Distributed Kriging-Bootstrapped DNN Model for Fast, Accurate Seizure Detection from EEG Signals. , 2020, , .		3
1090	A Novel Approach to Ensemble Classifiers: FsBoost-Based Subspace Method. Mathematical Problems in Engineering, 2020, 2020, 1-11.	1.1	3
1091	Neural signal analysis with memristor arrays towardsÂhigh-efficiency brain–machine interfaces. Nature Communications, 2020, 11, 4234.	12.8	82
1092	Automatic Seizure Prediction from Scalp EEG with Optimal Feature and Minimum Channels. , 2020, , .		3

#	ARTICLE	IF	Citations
1093	Compression Distortion-Rate Analysis of Biomedical Signals in Machine Learning Tasks in Biomedical Wireless Sensor Network Applications. , 2020, , .		1
1094	Locate the Bounding Box of Neural Networks with Intervals. Neural Processing Letters, 2020, 52, 2241-2251.	3.2	O
1095	Weighted Complex Network Based on Visibility Angle Measurement. , 2020, , .		0
1096	Detection of Epileptic Seizure Using STFT and Statistical Analysis. , 0, , .		4
1097	Detection of Focal and Non-Focal Electroencephalogram Signals Using Fast Walsh-Hadamard Transform and Artificial Neural Network. Sensors, 2020, 20, 4952.	3.8	42
1098	Graph Eigen Decomposition-Based Feature-Selection Method for Epileptic Seizure Detection Using Electroencephalography. Sensors, 2020, 20, 4639.	3.8	16
1099	Identification of seizure from single channel EEG using Support Vector Machine $\&$ Hilbert Vibration Decomposition. , 2020, , .		3
1100	DE-CNN: An Improved Identity Recognition Algorithm Based on the Emotional Electroencephalography. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-12.	1.3	6
1101	A Machine Learning Approach to Reduce Dimensional Space in Large Datasets. IEEE Access, 2020, 8, 148181-148192.	4.2	4
1102	General Framework for Multi-Classification of EEG Signals Based on Multi-Scale Properties. , 2020, , .		1
1103	A Dynamic Filtering DF-RNN Deep-Learning-Based Approach for EEG-Based Neurological Disorders Diagnosis. IEEE Access, 2020, 8, 206992-207007.	4.2	25
1104	Epileptic Seizure Classification Based on Gramian Angular Field Transformation and Deep Learning. , 2020, , .		8
1105	EpilepsyGAN: Synthetic Epileptic Brain Activities With Privacy Preservation. IEEE Transactions on Biomedical Engineering, 2021, 68, 2435-2446.	4.2	27
1106	Mutual Information of Multiple Rhythms for EEG Signals. Frontiers in Neuroscience, 2020, 14, 574796.	2.8	6
1107	A One-Dimensional CNN-LSTM Model for Epileptic Seizure Recognition Using EEG Signal Analysis. Frontiers in Neuroscience, 2020, 14, 578126.	2.8	72
1108	Automatic seizure detection based on imaged-EEG signals through fully convolutional networks. Scientific Reports, 2020, 10, 21833.	3.3	65
1109	Kriging-Bootstrapped DNN Hierarchical Model for Real-Time Seizure Detection from EEG Signals. , 2020, , .		0
1110	Krig-Detect: Exploring Alternative Kriging Methods for Real-Time Seizure Detection from EEG Signals. , 2020, , .		2

#	Article	IF	Citations
1111	SoC FPGA Accelerated Sub-Optimized Binary Fully Convolutional Neural Network for Robotic Floor Region Segmentation. Sensors, 2020, 20, 6133.	3.8	2
1112	EEG Signal Analysis for Diagnosing Neurological Disorders Using Discrete Wavelet Transform and Intelligent Techniques. Sensors, 2020, 20, 2505.	3.8	79
1113	GM-CPSO: A New Viewpoint to Chaotic Particle Swarm Optimization via Gauss Map. Neural Processing Letters, 2020, 52, 241-266.	3.2	21
1114	Seizures classification based on higher order statistics and deep neural network. Biomedical Signal Processing and Control, 2020, 59, 101921.	5.7	62
1115	Comparison of empirical mode decomposition and coarse-grained procedure for detecting pre-ictal and ictal condition in electroencephalography signal. Informatics in Medicine Unlocked, 2020, 19, 100325.	3.4	13
1116	Multiâ€kernelâ€based random vector functional link network with decomposed features for epileptic EEG signal classification. IET Signal Processing, 2020, 14, 162-174.	1.5	10
1117	Effective automated method for detection and suppression of muscle artefacts from single hannel EEG signal. Healthcare Technology Letters, 2020, 7, 35-40.	3.3	16
1118	A natural evolution optimization based deep learning algorithm for neurological disorder classification. Bio-Medical Materials and Engineering, 2020, 31, 73-94.	0.6	5
1119	A novel ensemble local graph structure based feature extraction network for EEG signal analysis. Biomedical Signal Processing and Control, 2020, 61, 102006.	5.7	31
1120	Epileptic Seizure Detection using Bidimensional Empirical Mode Decomposition and Distance Metric Learning on Scalogram., 2020, , .		5
1121	Extreme learning adaptive neuro-fuzzy inference system model for classifying the epilepsy using Q-Tuned wavelet transform. Journal of Intelligent and Fuzzy Systems, 2020, 39, 233-248.	1.4	11
1122	A Comparative Investigation of Mode Mixing in EEG Decomposition Using EMD, EEMD and M-EMD. , 2020, , .		10
1123	Detection of epileptical seizures based on alpha band statistical features. Wireless Personal Communications, 2020, 115, 909-925.	2.7	36
1124	An Improved kNN Classifier for Epilepsy Diagnosis. IEEE Access, 2020, 8, 100022-100030.	4.2	22
1125	Adaptive Filtering Approach With Forgetting Factor for Stochastic Signals Applied to EEG. IEEE Access, 2020, 8, 101274-101283.	4.2	1
1126	A Convolutional Neural Network for Seizure Detection. , 2020, , .		16
1127	Automatic Seizure Detection using Fully Convolutional Nested LSTM. International Journal of Neural Systems, 2020, 30, 2050019.	5.2	87
1128	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

#	Article	IF	CITATIONS
1129	EEG-Rhythm Specific Taylor–Fourier Filter Bank Implemented With O-Splines for the Detection of Epilepsy Using EEG Signals. IEEE Sensors Journal, 2020, 20, 6542-6551.	4.7	60
1130	On the Utilization of Reversible Colour Transforms for Lossless 2-D Data Compression. Applied Sciences (Switzerland), 2020, 10, 937.	2.5	0
1131	Fast Adaptive Gradient RBF Networks For Online Learning of Nonstationary Time Series. IEEE Transactions on Signal Processing, 2020, 68, 2015-2030.	5.3	25
1132	Diagnosis of epileptic EEG using a lagged Poincare plot in combination with the autocorrelation. Signal, Image and Video Processing, 2020, 14, 1309-1317.	2.7	13
1133	On the automatic parameter selection for permutation entropy. Chaos, 2020, 30, 033130.	2.5	26
1134	Network Dissensus via Distributed ADMM. IEEE Transactions on Signal Processing, 2020, 68, 2287-2301.	5.3	4
1135	Ordinary-Kriging Based Real-Time Seizure Detection in an Edge Computing Paradigm., 2020,,.		10
1136	Real-Time Localization of Epileptogenic Foci EEG Signals: An FPGA-Based Implementation. Applied Sciences (Switzerland), 2020, 10, 827.	2.5	4
1137	Synchronization of Chaos in Neural Systems. Frontiers in Applied Mathematics and Statistics, 2020, 6, .	1.3	16
1138	CNN-based Epilepsy detection using image like features of EEG signals. , 2020, , .		3
1139	Epileptic EEG Signal Classification using Exponential Energy and SVM. , 2020, , .		2
1140	Beta Band as a Biomarker for Classification between Interictal and Ictal States of Epileptical Patients. , 2020, , .		21
1141	Identification of epilepsy from intracranial EEG signals by using different neural network models. Computational Biology and Chemistry, 2020, 87, 107310.	2.3	13
1142	EEG Channel-Selection Method for Epileptic-Seizure Classification Based on Multi-Objective Optimization. Frontiers in Neuroscience, 2020, 14, 593.	2.8	49
1143	A New Method Based on CEEMD Combined With Iterative Feature Reduction for Aided Diagnosis of Epileptic EEG. Frontiers in Bioengineering and Biotechnology, 2020, 8, 669.	4.1	6
1144	Epilepsy EEG Signal Classification Algorithm Based on Improved RBF. Frontiers in Neuroscience, 2020, 14, 606.	2.8	21
1145	Modified-Distribution Entropy as the Features for the Detection of Epileptic Seizures. Frontiers in Physiology, 2020, 11, 607.	2.8	10
1146	Analysis of EEG using variational mode decomposition method for diagnosis of epilepsy. AIP Conference Proceedings, 2020, , .	0.4	1

#	Article	IF	CITATIONS
1147	High Performance Fractal Compression for EEG Health Network Traffic. Procedia Computer Science, 2020, 167, 1240-1249.	2.0	17
1148	Identification of Epileptic EEG Signals Using Convolutional Neural Networks. Applied Sciences (Switzerland), 2020, 10, 4089.	2.5	59
1149	An Artificial Neural Network Processor With a Custom Instruction Set Architecture for Embedded Applications. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 5200-5210.	5.4	10
1150	Analysis of EEG for classification vowel sounds. AIP Conference Proceedings, 2020, , .	0.4	1
1151	Wavelet Based Waveform Distortion Measures for Assessment of Denoised EEG Quality With Reference to Noise-Free EEG Signal. IEEE Signal Processing Letters, 2020, 27, 1260-1264.	3.6	22
1152	Adaptive boost LS-SVM classification approach for time-series signal classification in epileptic seizure diagnosis applications. Expert Systems With Applications, 2020, 161, 113676.	7.6	58
1153	A comparative analysis of signal processing and classification methods for different applications based on EEG signals. Biocybernetics and Biomedical Engineering, 2020, 40, 649-690.	5.9	129
1154	Deep C-LSTM Neural Network for Epileptic Seizure and Tumor Detection Using High-Dimension EEG Signals. IEEE Access, 2020, 8, 37495-37504.	4.2	43
1155	EEG dataset classification using CNN method. Journal of Physics: Conference Series, 2020, 1456, 012017.	0.4	38
1156	Mutual information rate of nonstationary statistical signals. Signal Processing, 2020, 171, 107531.	3.7	6
1157	Pair-Wise Matching of EEG Signals for Epileptic Identification via Convolutional Neural Network. IEEE Access, 2020, 8, 40008-40017.	4.2	11
1158	The mRMR-CNN based influential support decision system approach to classify EEG signals. Measurement: Journal of the International Measurement Confederation, 2020, 156, 107602.	5.0	24
1159	Feature extraction from EEG spectrograms for epileptic seizure detection. Pattern Recognition Letters, 2020, 133, 202-209.	4.2	42
1160	Epileptic Seizure Detection in EEG Signals Using a Unified Temporal-Spectral Squeeze-and-Excitation Network. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 782-794.	4.9	163
1161	QuPWM: Feature Extraction Method for Epileptic Spike Classification. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2814-2824.	6.3	8
1162	Stacking ensemble based deep neural networks modeling for effective epileptic seizure detection. Expert Systems With Applications, 2020, 148, 113239.	7.6	105
1163	Detecting Epileptic Seizures in EEG Signals with Complementary Ensemble Empirical Mode Decomposition and Extreme Gradient Boosting. Entropy, 2020, 22, 140.	2.2	65
1164	Classification Epileptic Seizures in EEG Using Time-Frequency Image and Block Texture Features. IEEE Access, 2020, 8, 9770-9781.	4.2	21

#	Article	IF	CITATIONS
1165	Automatic Detection of Epileptic Focus in Ripple and Fast Ripple Bands of Interictal iEEG based on Multi-band Analysis. , 2020, , .		0
1166	Multiband entropy-based feature-extraction method for automatic identification of epileptic focus based on high-frequency components in interictal iEEG. Scientific Reports, 2020, 10, 7044.	3.3	25
1167	Using the Information Provided by Forbidden Ordinal Patterns in Permutation Entropy to Reinforce Time Series Discrimination Capabilities. Entropy, 2020, 22, 494.	2.2	7
1168	Edge computing for energy-efficient smart health systems. , 2020, , 53-67.		12
1169	Comparative study for 8 computational intelligence algorithms for human identification. Computer Science Review, 2020, 36, 100237.	15.3	18
1170	Supervised domain generalization for integration of disparate scalp EEG datasets for automatic epileptic seizure detection. Computers in Biology and Medicine, 2020, 120, 103757.	7.0	25
1171	Detection of Epileptic Seizures using EEG Signals. , 2020, , .		9
1172	A Novel Deep Neural Network for Robust Detection of Seizures Using EEG Signals. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-9.	1.3	79
1173	Entropy-Based Pattern Learning Based on Singular Spectrum Analysis Components for Assessment of Physiological Signals. Complexity, 2020, 2020, 1-17.	1.6	6
1174	Energy-efficient EEG monitoring systems for wireless epileptic seizure detection., 2020,, 69-85.		2
1175	Growing and Pruning Selective Ensemble Regression for Nonlinear and Nonstationary Systems. IEEE Access, 2020, 8, 73278-73292.	4.2	7
1176	Revealing False Positive Features in Epileptic EEG Identification. International Journal of Neural Systems, 2020, 30, 2050017.	5.2	14
1177	Fuzzy Style K-Plane Clustering. IEEE Transactions on Fuzzy Systems, 2021, 29, 1518-1532.	9.8	13
1178	Sparsely Activated Networks. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1304-1313.	11.3	4
1179	Random projections: Data perturbation for classification problems. Wiley Interdisciplinary Reviews: Computational Statistics, 2021, 13, e1499.	3.9	9
1180	Seizure activity classification based on bimodal Gaussian modeling of the gamma and theta band IMFs of EEG signals. Biomedical Signal Processing and Control, 2021, 64, 102273.	5.7	10
1181	A comprehensive comparison of handcrafted features and convolutional autoencoders for epileptic seizures detection in EEG signals. Expert Systems With Applications, 2021, 163, 113788.	7.6	94
1182	Multi-Feature Fusion Approach for Epileptic Seizure Detection From EEG Signals. IEEE Sensors Journal, 2021, 21, 3533-3543.	4.7	50

#	Article	lF	Citations
1183	Epilepsy seizure detection using kurtosis based VMD's parameters selection and bandwidth features. Biomedical Signal Processing and Control, 2021, 64, 102255.	5.7	32
1184	A review of Hidden Markov models and Recurrent Neural Networks for event detection and localization in biomedical signals. Information Fusion, 2021, 69, 52-72.	19.1	27
1185	Automated inter-patient seizure detection using multichannel Convolutional and Recurrent Neural Networks. Biomedical Signal Processing and Control, 2021, 64, 102360.	5.7	26
1186	Evaluation of Sampling Methods for Scatterplots. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 1720-1730.	4.4	22
1187	Transition-based complexity-entropy causality diagram: A novel method to characterize complex systems. Communications in Nonlinear Science and Numerical Simulation, 2021, 95, 105660.	3.3	5
1188	AF-MNS: A Novel AM-FM Based Measure of Non-Stationarity. IEEE Communications Letters, 2021, 25, 990-994.	4.1	1
1189	A new stable nonlinear textural feature extraction method based EEG signal classification method using substitution Box of the Hamsi hash function: Hamsi pattern. Applied Acoustics, 2021, 172, 107607.	3.3	17
1190	Dissimilarity-based time–frequency distributions as features for epileptic EEG signal classification. Biomedical Signal Processing and Control, 2021, 64, 102268.	5.7	12
1191	Generalised rational approximation and its application to improve deep learning classifiers. Applied Mathematics and Computation, 2021, 389, 125560.	2.2	12
1192	AHW-BGOA-DNN: a novel deep learning model for epileptic seizure detection. Neural Computing and Applications, 2021, 33, 6065-6093.	5.6	20
1193	A robust deep learning approach for automatic classification of seizures against non-seizures. Biomedical Signal Processing and Control, 2021, 64, 102215.	5.7	53
1194	GRP-DNet: A gray recurrence plot-based densely connected convolutional network for classification of epileptiform EEG. Journal of Neuroscience Methods, 2021, 347, 108953.	2.5	25
1195	Brain epilepsy seizure detection using bio-inspired krill herd and artificial alga optimized neural network approaches. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 3317-3328.	4.9	11
1196	Random forest and rotation forest ensemble methods for classification of epileptic <scp>EEG</scp> signals based on improved <scp>1Dâ€LBP</scp> feature extraction. International Journal of Imaging Systems and Technology, 2021, 31, 189-203.	4.1	7
1197	Detection of Epileptic Seizure EEG Signal Using Multiscale Entropies and Complete Ensemble Empirical Mode Decomposition. Wireless Personal Communications, 2021, 116, 845-864.	2.7	19
1198	An Ensemble of Hyperdimensional Classifiers: Hardware-Friendly Short-Latency Seizure Detection With Automatic iEEG Electrode Selection. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 935-946.	6.3	27
1199	A novel time-varying modeling and signal processing approach for epileptic seizure detection and classification. Neural Computing and Applications, 2021, 33, 5525-5541.	5.6	10
1200	Complex networks and deep learning for EEG signal analysis. Cognitive Neurodynamics, 2021, 15, 369-388.	4.0	89

#	Article	IF	CITATIONS
1201	Toward a Quantitative Survey of Dimension Reduction Techniques. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 2153-2173.	4.4	140
1202	A novel automatic classification detection for epileptic seizure based on dictionary learning and sparse representation. Neurocomputing, 2021, 424, 179-192.	5.9	35
1203	Cognitive Computation and Systems. Research on Intelligent Manufacturing, 2021, , 17-34.	0.3	0
1204	Seizure Detection Using Deep Discriminative Multi-set Canonical Correlation Analysis. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 129-136.	0.3	0
1205	Epileptic Seizure Detection from EEG Signal Using the Imbalanced Data Techniques. Lecture Notes in Networks and Systems, 2021, , 301-312.	0.7	0
1206	An Extended K Nearest Neighbors-Based Classifier for Epilepsy Diagnosis. IEEE Access, 2021, 9, 73910-73923.	4.2	9
1207	A Hybrid Model for Epileptic Seizure Classification Using Wavelet Packet Decomposition and SVM. Lecture Notes in Networks and Systems, 2021, , 211-219.	0.7	1
1208	EEG Signal Analysis for Seizure Detection Using Recurrence Plots and Tchebichef Moments., 2021,,.		5
1209	Classification of Epileptic Electroencephalograms Using Time-Frequency and Back Propagation Methods. Computers, Materials and Continua, 2021, 69, 1427-1446.	1.9	2
1210	A Hybrid Mathematical Model Using DWT and SVM for Epileptic Seizure Classification. Communications in Computer and Information Science, 2021, , 203-218.	0.5	1
1211	Epileptic Seizure Detection Using Machine Learning Techniques. Advances in Medical Technologies and Clinical Practice Book Series, 2021, , 187-200.	0.3	0
1212	Epileptic Seizure Detection Using Tunable Q-Factor Wavelet Transform and Machine Learning. Lecture Notes in Networks and Systems, 2021, , 78-85.	0.7	2
1213	Time Series Classification Based on Complex Network. Big Data Management, 2021, , 205-222.	1.2	0
1214	A Comprehensive Survey of the Internet of Things (IoT) and Al-Based Smart Healthcare. IEEE Access, 2021, 9, 3660-3678.	4.2	142
1215	EEG Signal Classification Based On Fuzzy Classifiers. IEEE Transactions on Industrial Informatics, 2022, 18, 757-766.	11.3	20
1216	Integrated CWT-CNN for Epilepsy Detection Using Multiclass EEG Dataset. Computers, Materials and Continua, 2021, 69, 471-486.	1.9	8
1217	Dual stream neural networks for brain signal classification. Journal of Neural Engineering, 2021, 18, 016006.	3.5	1
1218	5G-Enabled UAV-to-Community Offloading: Joint Trajectory Design and Task Scheduling. IEEE Journal on Selected Areas in Communications, 2021, 39, 3306-3320.	14.0	70

#	Article	IF	CITATIONS
1219	Synaptic Scalingâ€"An Artificial Neural Network Regularization Inspired by Nature. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3094-3108.	11.3	5
1220	Design of EEG Based Classification of Brain States Using STFT by Deep Neural Network. Lecture Notes in Electrical Engineering, 2021, , 627-637.	0.4	4
1221	Deep Temporal Convolution Network for Time Series Classification. Sensors, 2021, 21, 603.	3.8	28
1222	Global research on artificial intelligence-enhanced human electroencephalogram analysis. Neural Computing and Applications, 0 , 1 .	5.6	11
1223	Exploration of Smart Medical Technology Based on Intelligent Computing Methods. Lecture Notes in Computer Science, 2021, , 284-293.	1.3	0
1224	Performance evaluation of fractal features toward seizure detection from electroencephalogram signals., 2021,, 297-309.		O
1225	Integrating old and new complexity measures toward automated seizure detection from long-term video EEG recordings. IScience, 2021, 24, 101997.	4.1	3
1226	Deep Learning in EEG: Advance of the Last Ten-Year Critical Period. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 348-365.	3.8	41
1227	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
1228	EEG signal processing for epilepsy seizure detection using 5-level Db4 discrete wavelet transform, GA-based feature selection and ANN/SVM classifiers. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 10395-10403.	4.9	50
1229	An Optimized Algorithm for Automatic Seizure Detection in Time Frequency Domain. Design Science and Innovation, 2021, , 663-669.	0.3	0
1230	Seizure Detection using Deep Multiset Canonical Correlation Analysis and Bayesian Optimization. Journal of Physics: Conference Series, 2021, 1748, 022034.	0.4	O
1231	Penalized Functional Connectivity Maps for Patients With Focal Epilepsy. IEEE Access, 2021, 9, 204-217.	4.2	2
1232	Epileptic Seizure: Classification Using Autoregression Features. International Journal of Current Research and Review (discontinued), 2021, 13, 123-131.	0.1	1
1233	Destek Vektör Makinaları ile EEG Sinyallerinden Epileptik Nöbet Sınıflandırması. Journal of Polytechni 0, , .	c. _{0.7}	4
1234	Sparse Twin Support Vector Clustering Using Pinball Loss. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3776-3783.	6.3	12
1235	Wavelet Transform as a Helping Tool During Eeg Analysis in Children with Epilepsy. Acta Informatica Medica, 2021, 29, 104.	1.1	0
1236	Wrapper Subset Feature Selection for Optimal Feature Selection in Epileptic Seizure Signal Classification. Lecture Notes in Electrical Engineering, 2021, , 567-577.	0.4	0

#	ARTICLE	IF	CITATIONS
1237	Epilepsi EEG Verilerinin Makine \tilde{A} –ÄŸrenmesi Teknikleriyle SÄ \pm nÄ \pm flandÄ \pm rÄ \pm lmasÄ \pm . European Journal of Science and Technology, 0, , .	0.5	1
1238	Cloud based ensemble machine learning approach for smart detection of epileptic seizures using higher order spectral analysis. Physical and Engineering Sciences in Medicine, 2021, 44, 313-324.	2.4	16
1239	A Deep Convolutional Neural Network Method to Detect Seizures and Characteristic Frequencies Using Epileptic Electroencephalogram (EEG) Data. IEEE Journal of Translational Engineering in Health and Medicine, 2021, 9, 1-12.	3.7	38
1240	One and Two Dimensional Convolutional Neural Networks for Seizure Detection Using EEG Signals. , 2021, , .		3
1241	Interactive Reinforcement Learning for Feature Selection with Decision Tree in the Loop. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	5.7	9
1242	COMIRE: A Consistence-Based Mislabeled Instances Removal Method. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3135-3145.	11.3	1
1244	Epileptic Seizure Detection Using CNN. Communications in Computer and Information Science, 2021, , 3-16.	0.5	1
1245	Seizure Detection with Local Binary Pattern and CNN Classifier. Journal of Physics: Conference Series, 2021, 1767, 012029.	0.4	6
1246	An automated classification of EEG signals based on spectrogram and CNN for epilepsy diagnosis. Analog Integrated Circuits and Signal Processing, 2021, 108, 101-110.	1.4	25
1247	Selection of Embedding Dimension and Delay Time in Phase Space Reconstruction via Symbolic Dynamics. Entropy, 2021, 23, 221.	2.2	22
1248	Machine learning-based EEG signals classification model for epileptic seizure detection. Multimedia Tools and Applications, 2021, 80, 17849-17877.	3.9	69
1249	Absence seizure detection classifying matching pursuit features of EEG signals. EAI Endorsed Transactions on Bioengineering and Bioinformatics, 2021, 1, 166556.	0.9	1
1250	ROC Analysis of EEG Subbands for Epileptic Seizure Detection using NaÃ-ve Bayes Classifier. Journal of Mobile Multimedia, 0, , .	0.9	16
1251	Hybrid evolutionary network architecture search (<scp>HyENAS</scp>) for convolution class of deep neural networks with applications. Expert Systems, 2023, 40, e12690.	4.5	2
1253	Classification of epileptic seizure using feature selection based on fuzzy membership from EEG signal. Technology and Health Care, 2021, 29, 519-529.	1.2	3
1254	Automated EEG Analysis for Early Diagnosis of Epilepsy: A Comparative Study to Determine Relative Accuracy of Arithmetic and Huffman Coding Algorithms. , 2021, , .		1
1255	The identification of fractional order systems by multiscale multivariate analysis. Chaos, Solitons and Fractals, 2021, 144, 110735.	5.1	9
1256	A comprehensive survey on optimizing deep learning models by metaheuristics. Artificial Intelligence Review, 2022, 55, 829-894.	15.7	32

#	Article	IF	Citations
1257	Testing Jump-Diffusion in Epileptic Brain Dynamics: Impact of Daily Rhythms. Entropy, 2021, 23, 309.	2.2	3
1258	Diagnosis and prognosis of mental disorders by means of EEG and deep learning: a systematic mapping study. Artificial Intelligence Review, 2022, 55, 1209-1251.	15.7	26
1259	Detection of Epileptic Seizures using Convolutional Neural Network., 2021,,.		20
1260	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
1261	Bad Timing for Epileptic Networks: Role of Temporal Dynamics in Seizures and Cognitive Deficits. Epilepsy Currents, 2021, 21, 177-182.	0.8	0
1262	Adopting Artificial Intelligence Powered ConvNet To Detect Epileptic Seizures. , 2021, , .		16
1263	New fog computing enabled lossless EEG data compression scheme in IoT networks. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 3257-3270.	4.9	14
1264	Energy-Efficient Networks Selection Based Deep Reinforcement Learning for Heterogeneous Health Systems., 2021,,.		0
1265	Novel multi-view Takagi–Sugeno–Kang fuzzy system for epilepsy EEG detection. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 5625-5645.	4.9	2
1266	Very large scale integration implementation of seizure detection system with onâ€chip support vector machine classifier. IET Circuits, Devices and Systems, 0, , .	1.4	0
1267	Epileptic seizures classification in EEG using PCA based genetic algorithm through machine learning. , 2021, , .		7
1268	Is EEG a Useful Examination Tool for Diagnosis of Epilepsy and Comorbid Psychiatric Disorders?., 0,,.		0
1269	Epilepsy attacks recognition based on 1D octal pattern, wavelet transform and EEG signals. Multimedia Tools and Applications, 2021, 80, 25197-25218.	3.9	21
1270	Binary and multiclass classifiers based on multitaper spectral features for epilepsy detection. Biomedical Signal Processing and Control, 2021, 66, 102469.	5.7	9
1271	Quantifying randomness and complexity of a signal via maximum fuzzy membership difference entropy. Measurement: Journal of the International Measurement Confederation, 2021, 174, 109053.	5.0	5
1272	Classifying the Epilepsy Based on the Phase Space Sorted With the Radial Poincaré Sections in Electroencephalography. Caspian Journal of Neurological Sciences, 2021, 7, 60-73.	0.2	1
1273	KBER: A kernel bandwidth estimate using the Ricci curvature. Communications in Statistics - Theory and Methods, 0 , $1-13$.	1.0	0
1274	A Multi-View SVM Approach for Seizure Detection from Single Channel EEG Signals. IETE Journal of Research, 2023, 69, 3120-3131.	2.6	7

#	Article	IF	CITATIONS
1275	Seizure Detection Based on Adaptive Feature Extraction by Applying Extreme Learning Machines. Traitement Du Signal, 2021, 38, 331-340.	1.3	13
1276	A New Method for Separating EMI Signal Based on CEEMDAN and ICA. Neural Processing Letters, 2021, 53, 2243-2259.	3.2	4
1277	Variational mode decomposition-based seizure classification using Bayesian regularized shallow neural network. Biocybernetics and Biomedical Engineering, 2021, 41, 402-418.	5.9	9
1278	Wavelet transform-based feature extraction approach for epileptic seizure classification., 2021,,.		7
1279	Adaptive Sparse Detector for Suppressing Powerline Component in EEG Measurements. Frontiers in Public Health, 2021, 9, 669190.	2.7	4
1280	Assessing multi-layered nonlinear characteristics of ECG/EEG signal via adaptive kernel density estimation-based hierarchical entropies. Biomedical Signal Processing and Control, 2021, 67, 102520.	5.7	3
1281	Intracranial Epileptic Seizures Detection Based on an Optimized Neural Network Classifier. Chinese Journal of Electronics, 2021, 30, 419-425.	1.5	2
1282	Epileptic Seizures Detection Using Deep Learning Techniques: A Review. International Journal of Environmental Research and Public Health, 2021, 18, 5780.	2.6	194
1283	Improved epileptic seizure detection using singular spectrum empirical mode decomposition and machine learning approach. Journal of Statistics and Management Systems, 2022, 25, 103-123.	0.6	4
1284	Classifying Electroencephalogram (EEG) Signals Using BAT-SVM Classifier for Detecting Epilepsy. International Journal of Service Science, Management, Engineering, and Technology, 2021, 12, 96-115.	1.1	0
1285	Automatic epileptic seizure detection via Stein kernel-based sparse representation. Computers in Biology and Medicine, 2021, 132, 104338.	7.0	37
1286	Stochasticity, Nonlinear Value Functions, and Update Rules in Learning Aesthetic Biases. Frontiers in Human Neuroscience, 2021, 15, 639081.	2.0	3
1287	Multifuse multilayer multikernel RVFLN+ of process modes decomposition and approximate entropy data from iEEG/sEEG signals for epileptic seizure recognition. Computers in Biology and Medicine, 2021, 132, 104299.	7.0	14
1288	Automatic detection of Epilepsy based on EMD-VMD feature components and ReliefF algorithm. , 2021, , .		2
1289	EZcap: A Novel Wearable for Real-Time Automated Seizure Detection From EEG Signals. IEEE Transactions on Consumer Electronics, 2021, 67, 166-175.	3.6	13
1290	Automated detection of epileptic seizures using multiscale and refined composite multiscale dispersion entropy. Chaos, Solitons and Fractals, 2021, 146, 110939.	5.1	18
1291	Data Balanced Bagging Ensemble of Convolutional-LSTM Neural Networks for Time Series Data Classification with an Imbalanced Dataset., 2021,,.		1
1292	Comprehensive Analysis of EEG Datasets for Epileptic Seizure Prediction. , 2021, , .		6

#	Article	IF	CITATIONS
1293	Windowing Compensation in Fourier Based Surrogate Analysis., 2021,,.		1
1294	Computer-Aided Intracranial EEG Signal Identification Method Based on a Multi-Branch Deep Learning Fusion Model and Clinical Validation. Brain Sciences, 2021, 11, 615.	2.3	18
1295	Automatic identification of epileptic seizures using volume of phase space representation. Physical and Engineering Sciences in Medicine, 2021, 44, 545-556.	2.4	2
1296	Effective epileptic seizure detection by using level-crossing EEG sampling sub-bands statistical features selection and machine learning for mobile healthcare. Computer Methods and Programs in Biomedicine, 2021, 203, 106034.	4.7	29
1297	Comparative classification techniques for identification of brain states using TQWT decomposition. Journal of Intelligent and Fuzzy Systems, 2021, 41, 5287-5297.	1.4	15
1298	A novel automated seizure detection system from EMD-MSPCA denoised EEG: Refined composite multiscale sample, fuzzy and permutation entropies based scheme. Biomedical Signal Processing and Control, 2021, 67, 102514.	5.7	8
1299	Semi-Supervised Time Series Classification by Temporal Relation Prediction. , 2021, , .		17
1300	Weighted recurrence network for characterizing continuous dynamical systems. Modern Physics Letters B, 2021, 35, 2150361.	1.9	1
1301	Detection of epileptic seizures from EEG signals with Hilbert Huang Transformation. Cumhuriyet Science Journal, 2021, 42, 508-514.	0.3	5
1302	Classification of Dementia in EEG with a Two-Layered Feed Forward Artificial Neural Network. Engineering, Technology & Applied Science Research, 2021, 11, 7135-7139.	1.9	4
1303	Epileptic Seizure Recognition Using Reduced Deep Convolutional Stack Autoencoder and Improved Kernel RVFLN From EEG Signals. IEEE Transactions on Biomedical Circuits and Systems, 2021, 15, 595-605.	4.0	19
1304	Destek Vektör Makinesi ile Yeni Oz Benzerlik İndeksi Kullanarak Epilepsi Tespiti Epilepsy Detection Using a Novel Self Similarity Index Combined with Support Vector Machine. , 2021, , .		0
1305	Analysis of EEG Data Using Complex Geometric Structurization. Neural Computation, 2021, 33, 1942-1969.	2.2	2
1306	Classification of EEG Signals using Nonlinear Features and Preprocessing Techniques. International Journal of Engineering and Advanced Technology, 2021, 10, 297-301.	0.3	0
1307	Recognition of Imbalanced Epileptic EEG Signals by a Graph-Based Extreme Learning Machine. Wireless Communications and Mobile Computing, 2021, 2021, 1-12.	1.2	30
1308	Epileptic EEG Signal Classification Using Convolutional Neural Network Based on Multi-Segment of EEG Signal. International Journal of Intelligent Engineering and Systems, 2021, 14, 160-176.	0.6	4
1309	Pattern recognition of epilepsy using parallel probabilistic neural network. Applied Intelligence, 2022, 52, 2001-2012.	5.3	4
1310	Internet of UAVs Based Remote Health Monitoring: An Online eHealth System. IEEE Wireless Communications, 2021, 28, 15-21.	9.0	3

#	Article	IF	CITATIONS
1311	Designing Efficient NoC-Based Neural Network Architectures for Identification of Epileptic Seizure. SN Computer Science, 2021, 2, 1.	3.6	2
1312	Determining threshold value on information gain feature selection to increase speed and prediction accuracy of random forest. Journal of Big Data, 2021, 8, .	11.0	27
1313	Detection of epileptic seizures from compressively sensed EEG signals for wireless body area networks. Expert Systems With Applications, 2021, 172, 114630.	7.6	16
1314	Identification of focal epileptic regions from electroencephalographic data: Feigenbaum graphs. Revista Mexicana De FAsica, 2021, 67, 324-333.	0.4	O
1315	A Study on Seizure Detection of EEG Signals Represented in 2D. Sensors, 2021, 21, 5145.	3.8	13
1316	Performance Analysis of Convolutional Neural Network Based EEG Epileptic Seizure Classification in Presence of Ocular Artifacts., 2021, , .		2
1317	Revisiting ICEEMDAN and EEG rhythms. Biomedical Signal Processing and Control, 2021, 68, 102701.	5.7	9
1318	Synchroextracting chirplet transform-based epileptic seizures detection using EEG. Biomedical Signal Processing and Control, 2021, 68, 102699.	5.7	9
1319	IMPROVED ARTIFICIAL NEURAL NETWORK FOR EPILEPTIC SEIZURES DETECTION. Journal of Mechanics in Medicine and Biology, 2021, 21, 2150045.	0.7	2
1320	Machine learning for detection of interictal epileptiform discharges. Clinical Neurophysiology, 2021, 132, 1433-1443.	1.5	50
1321	A new dissimilarity measure based on ordinal pattern for analyzing physiological signals. Physica A: Statistical Mechanics and Its Applications, 2021, 574, 125997.	2.6	5
1322	Research on epileptic EEG recognition based on improved residual networks of 1-D CNN and indRNN. BMC Medical Informatics and Decision Making, 2021, 21, 100.	3.0	9
1323	Robust EEG feature learning model based on an adaptive weight and pairwise-fused LASSO. Biomedical Signal Processing and Control, 2021, 68, 102728.	5.7	4
1324	Ramanujan Periodic Subspace Based Epileptic EEG Signals Classification. , 2021, 5, 1-4.		9
1325	Autonomous deep feature extraction based method for epileptic EEG brain seizure classification. Neurocomputing, 2021, 444, 30-37.	5.9	35
1326	Classification and analysis of epileptic EEG recordings using convolutional neural network and class activation mapping. Biomedical Signal Processing and Control, 2021, 68, 102720.	5.7	19
1327	Coreset Clustering on Small Quantum Computers. Electronics (Switzerland), 2021, 10, 1690.	3.1	8
1328	Graph-Based Deep Learning for Medical Diagnosis and Analysis: Past, Present and Future. Sensors, 2021, 21, 4758.	3.8	90

#	Article	IF	CITATIONS
1329	Resting-state EEG for the diagnosis of idiopathic epilepsy and psychogenic nonepileptic seizures: A systematic review. Epilepsy and Behavior, 2021, 121, 108047.	1.7	25
1330	Timeâ€"Frequency Statistical Features of Delta Band for Detection of Epileptic Seizures. Wireless Personal Communications, 2022, 122, 489-499.	2.7	17
1331	Subbands and cumulative sum of subbands based nonlinear features enhance the performance of epileptic seizure detection. Biomedical Signal Processing and Control, 2021, 69, 102827.	5.7	15
1332	Analysis of Artifacts Removal Techniques in EEG Signals for Energy-Constrained Devices., 2021,,.		0
1333	Hjorth Parameter based Seizure Diagnosis using Cluster Analysis. Journal of Physics: Conference Series, 2021, 1998, 012020.	0.4	2
1334	Privacy Preserving Classification of EEG Data Using Machine Learning and Homomorphic Encryption. Applied Sciences (Switzerland), 2021, 11, 7360.	2.5	16
1335	Large-Scale Subspace Clustering via k-Factorization., 2021,,.		10
1336	Multi-distance fluctuation based dispersion fractal for epileptic seizure detection in EEG signal. Biomedical Signal Processing and Control, 2021, 69, 102938.	5.7	10
1337	Distribution of equal states for amplitude fluctuations in epileptic EEG. Biomedical Signal Processing and Control, 2021, 69, 102738.	5.7	3
1338	Train RBF networks with a hybrid genetic algorithm. Evolutionary Intelligence, 2023, 16, 375-381.	3.6	7
1339	Compressing Biosignal for Diagnosing Chronic Diseases. Journal of Physics: Conference Series, 2021, 1998, 012018.	0.4	0
1340	Epileptic Seizure Detection using Deep Ensemble Network with Empirical Wavelet Transform. Measurement Science Review, 2021, 21, 110-116.	1.0	9
1341	A progressive deep wavelet cascade classification model for epilepsy detection. Artificial Intelligence in Medicine, 2021, 118, 102117.	6.5	15
1342	Radius selection using kernel density estimation for the computation of nonlinear measures. Chaos, 2021, 31, 083131.	2.5	6
1343	A Novel Machine Learning Model for the Detection of Epilepsy and Epileptic Seizures Using Electroencephalographic Signals Based on Chaos and Fractal Theories. Mathematical Problems in Engineering, 2021, 2021, 1-10.	1.1	10
1344	Analysis of epileptic seizures based on EEG using recurrence plot images and deep learning. Biomedical Signal Processing and Control, 2021, 69, 102854.	5.7	28
1345	Automatic epileptic seizure detection using LSTM networks. World Journal of Engineering, 2022, 19, 224-229.	1.6	7
1346	BBW: a batch balance wrapper for training deep neural networks on extremely imbalanced datasets with few minority samples. Applied Intelligence, 2022, 52, 6723-6738.	5.3	5

#	Article	IF	CITATIONS
1347	A computationally efficient automated seizure detection method based on the novel idea of multiscale spectral features. Biomedical Signal Processing and Control, 2021, 70, 102990.	5.7	6
1348	Automatic epileptic seizure detection approach based on multi-stage Quantized Kernel Least Mean Square filters. Biomedical Signal Processing and Control, 2021, 70, 103031.	5.7	9
1349	Automated FBSE-EWT based learning framework for detection of epileptic seizures using time-segmented EEG signals. Computers in Biology and Medicine, 2021, 136, 104708.	7.0	36
1350	Automated detection of abnormalities from an EEG recording of epilepsy patients with a compact convolutional neural network. Biomedical Signal Processing and Control, 2021, 70, 103013.	5.7	20
1351	A hybrid machine learning model for classifying time series. Neural Computing and Applications, 0, , 1.	5.6	0
1352	Applying nonlinear measures to the brain rhythms: an effective method for epilepsy diagnosis. BMC Medical Informatics and Decision Making, 2021, 21, 270.	3.0	2
1353	Advances in Artificial Intelligence for the Identification of Epileptiform Discharges. Intelligent Systems Reference Library, 2022, , 3-25.	1.2	0
1354	Modeling of seizure and seizure-free EEG signals based on stochastic differential equations. Chaos, Solitons and Fractals, 2021, 150, 111104.	5.1	16
1356	Surface EEG based epileptic seizure detection using wavelet based features and dynamic mode decomposition power along with KNN classifier. Multimedia Tools and Applications, 2022, 81, 42057-42077.	3.9	3
1357	New feature extraction for automated detection of epileptic seizure using complex network framework. Applied Acoustics, 2021, 180, 108098.	3.3	13
1358	Deep long short term memory based minimum variance kernel random vector functional link network for epileptic EEG signal classification. Engineering Applications of Artificial Intelligence, 2021, 105, 104426.	8.1	16
1359	Detection and classification of epileptic EEG signals by the methods of nonlinear dynamics. Chaos, Solitons and Fractals, 2021, 151, 111032.	5.1	19
1360	One dimensional convolutional neural networks for seizure onset detection using long-term scalp and intracranial EEG. Neurocomputing, 2021, 459, 212-222.	5.9	51
1361	Automated EEG signal classification using chaotic local binary pattern. Expert Systems With Applications, 2021, 182, 115175.	7.6	10
1362	Brain network topology unraveling epilepsy and ASD Association: Automated EEG-based diagnostic model. Expert Systems With Applications, 2021, 186, 115762.	7.6	15
1363	Deep Learning for Medical Anomaly Detection – A Survey. ACM Computing Surveys, 2022, 54, 1-37.	23.0	96
1364	Concepts of EEG analysis and seizures. , 2022, , 29-50.		0
1365	On the Evaluation of Generative Adversarial Networks By Discriminative Models. , 2021, , .		2

#	Article	IF	Citations
1366	Selection of optimal wavelet features for epileptic EEG signal classification with LSTM. Neural Computing and Applications, 2023, 35, 1077-1097.	5.6	26
1367	Visualizing the Finer Cluster Structure of Large-Scale and High-Dimensional Data. Lecture Notes in Computer Science, 2021, , 361-372.	1.3	0
1368	Classification of Epileptic Seizures using Ensemble Empirical Mode Decomposition and Least Squares Support Vector Machine. , 2021, , .		0
1369	Classification of Epileptic EEG Signal from Normal EEG Using Wavelet Transforms. Lecture Notes in Electrical Engineering, 2021, , 775-784.	0.4	0
1370	Deep Reinforcement Learning for Network Selection Over Heterogeneous Health Systems. IEEE Transactions on Network Science and Engineering, 2022, 9, 258-270.	6.4	17
1371	A Scalable System-on-Chip Acceleration for Deep Neural Networks. IEEE Access, 2021, 9, 95412-95426.	4.2	8
1372	Seizure Detection of Epileptic EEG Based on Multiple Phase-Amplitude Coupling Methods. Advances in Cognitive Neurodynamics, 2021, , 3-13.	0.1	0
1374	A novel twoâ€band equilateral wavelet filter bank method for an automated detection of seizure from <scp>EEG</scp> signals. International Journal of Imaging Systems and Technology, 2020, 30, 978-993.	4.1	15
1375	Attribute Selection for EEG Signal Classification Using Rough Sets and Neural Networks. Lecture Notes in Computer Science, 2006, , 408-417.	1.3	3
1377	Epilepsy: Extreme Events in the Human Brain. The Frontiers Collection, 2006, , 123-143.	0.2	16
1378	Scalable Hypothesis Tests for Detection of Epileptic Seizures. Advances in Intelligent Systems and Computing, 2019, , 157-166.	0.6	3
1379	Proposing Real-Time Smart Healthcare Model Using IoT., 2020,, 25-41.		3
1380	An Algorithm for Reducing the Number of Distinct Branching Conditions in a Decision Forest. Lecture Notes in Computer Science, 2020, , 578-589.	1.3	3
1381	Classification of Time Realizations Using Machine Learning Recognition of Recurrence Plots. Advances in Intelligent Systems and Computing, 2021, , 687-696.	0.6	9
1383	Identification of Epilepsy Seizures Using Multi-resolution Analysis and Artificial Neural Networks. Studies in Computational Intelligence, 2014, , 337-351.	0.9	4
1384	Epilepsy Seizure Detection in EEG Signals Using Wavelet Transforms and Neural Networks. Lecture Notes in Electrical Engineering, 2015, , 261-269.	0.4	23
1385	Classification of Electroencephalogram Signals Using Wavelet Transform and Particle Swarm Optimization. Lecture Notes in Computer Science, 2014, , 352-362.	1.3	2
1386	Classification of Normal and Epileptic Seizure EEG Signals Based on Empirical Mode Decomposition. Studies in Fuzziness and Soft Computing, 2015, , 367-388.	0.8	31

#	Article	IF	CITATIONS
1387	PROCESS: Projection-Based Classification of ÂElectroencephalograph Signals. Lecture Notes in Computer Science, 2015, , 91-100.	1.3	8
1388	Automated EEG Signals Analysis Using Quantile Graphs. Lecture Notes in Computer Science, 2017, , 95-103.	1.3	9
1389	Developing a Tunable Q-Factor Wavelet Transform Based Algorithm for Epileptic EEG Feature Extraction. Lecture Notes in Computer Science, 2017, , 45-55.	1.3	4
1390	ApEn-Based Epileptic EEG Classification Using Support Vector Machine. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 75-85.	0.3	1
1391	Genetic Programming Based Approach for Synchronization with Parameter Mismatches in EEG. Lecture Notes in Computer Science, 2009, , 13-24.	1.3	1
1392	Classification of EEG Signals Using Sampling Techniques and Least Square Support Vector Machines. Lecture Notes in Computer Science, 2009, , 375-382.	1.3	30
1393	Adaptive Fuzzy Inference Neural Network System for EEG Signal Classification. Intelligent Systems Reference Library, 2010, , 453-471.	1.2	3
1394	Distributed Storage of Large-Scale Multidimensional Electroencephalogram Data Using Hadoop and HBase., 2011,, 331-347.		17
1396	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
1397	Classifying the Epilepsy EEG Signal by Hybrid Model of CSHMM on the Basis of Clinical Features of Interictal Epileptiform Discharges. Lecture Notes in Electrical Engineering, 2016, , 377-385.	0.4	1
1399	Optimal Design of Three-Band Orthogonal Wavelet Filter Bank with Stopband Energy for Identification of Epileptic Seizure EEG Signals. Advances in Intelligent Systems and Computing, 2019, , 197-207.	0.6	3
1400	Automated Identification System for Focal EEG Signals Using Fractal Dimension of FAWT-Based Sub-bands Signals. Advances in Intelligent Systems and Computing, 2019, , 583-596.	0.6	18
1401	Computer-Aided Diagnosis of Epilepsy Using Bispectrum of EEG Signals., 2019,, 197-220.		7
1402	Automated Identification of Epileptic Seizures from EEG Signals Using FBSE-EWT Method. Series in Bioengineering, 2020, , 157-179.	0.6	11
1405	Univariate Feature Selection Techniques for Classification of Epileptic EEG Signals. Lecture Notes in Bioengineering, 2021, , 345-365.	0.4	2
1406	Evolutionary Based Weight Decaying Method for Neural Network Training. Neural Processing Letters, 2018, 47, 463.	3.2	4
1407	Permutation-based time irreversibility in epileptic electroencephalograms. Nonlinear Dynamics, 2020, 100, 907-919.	5.2	23
1408	A dynamic center and multi threshold point based stable feature extraction network for driver fatigue detection utilizing EEG signals. Cognitive Neurodynamics, 2021, 15, 223-237.	4.0	34

#	Article	IF	CITATIONS
1409	Effective epileptic seizure detection based on the event-driven processing and machine learning for mobile healthcare. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 3619-3631.	4.9	12
1410	Noisy EEG signals classification based on entropy metrics. Performance assessment using first and second generation statistics. Computers in Biology and Medicine, 2017, 87, 141-151.	7.0	21
1411	An investigation into the nonlinear coupling between CA1 layers and the dentate gyrus Behavioral Neuroscience, 2020, 134, 491-515.	1.2	7
1412	SeizureNet: a model for robust detection of epileptic seizures based on convolutional neural network. Cognitive Computation and Systems, 2020, 2, 119-124.	1.4	12
1413	EMI signal feature enhancement based on extreme energy difference and deep autoâ€encoder. IET Signal Processing, 2018, 12, 852-856.	1.5	4
1414	Capturing time-varying brain dynamics. EPJ Nonlinear Biomedical Physics, 2017, 5, 2.	0.8	27
1415	Consistency of local activation parameters at sensor- and source-level in neural signals. Journal of Neural Engineering, 2020, 17, 056020.	3.5	14
1416	Random matrix improved covariance estimation for a large class of metrics*. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 124011.	2.3	1
1418	On the marriage of Kolmogorov complexity and multi-fractal parameters for epileptic seizure classification. , $2016, , .$		3
1419	DUAL: Acceleration of Clustering Algorithms using Digital-based Processing In-Memory. , 2020, , .		51
1420	Synchronization analysis of epilepsy data using global field synchronization., 2017,,.		4
1421	EEG Person Identification Using Facenet, LSTM-RNN and SVM. , 2020, , .		6
1422	Epileptical Seizure Detection: Performance analysis of gamma band in EEG signal Using Short-Time Fourier Transform. , 2019, , .		29
1423	Smart Diagnosis. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-21.	4.3	8
1424	The Speed and Accuracy Evaluation of Random Forest Performance by Selecting Features in the Transformation Data. , 2020, , .		3
1425	Detection of Epileptic Seizure Using Pretrained Deep Convolutional Neural Network and Transfer Learning. European Neurology, 2020, 83, 602-614.	1.4	107
1426	Particularities of data mining in medicine: lessons learned from patient medical time series data analysis. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	2.4	16
1427	A review of epileptic seizure detection using machine learning classifiers. Brain Informatics, 2020, 7, 5.	3.0	209

#	Article	IF	CITATIONS
1428	Feature-Based Time-Series Analysis. , 2018, , 87-116.		55
1430	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
1431	FPGA Based Architecture Implementation for Epileptic Seizure Detection Using One Way ANOVA and Genetic Algorithm Biomedical and Pharmacology Journal, 2019, 12, 1543-1553.	0.5	9
1432	Facilitating Joint Chaos and Fractal Analysis of Biosignals through Nonlinear Adaptive Filtering. PLoS ONE, 2011, 6, e24331.	2.5	114
1433	EPILEPTIC SEIZURE DETECTION USING A NEURAL NETWORK ENSEMBLE METHOD AND WAVELET TRANSFORM. Neural Network World, 2012, 22, 291-310.	0.8	11
1434	Comparison of the EEG Signal Classifiers LDA, NBC and GNBC Based on Time-Frequency Features. , 2017, 21, 39-45.	0.1	7
1435	Classification of Epilepsy Using Distance-Based Feature Selection. Journal of Digital Convergence, 2014, 12, 321-327.	0.1	3
1436	Trident: Efficient 4PC Framework for Privacy Preserving Machine Learning. , 2020, , .		62
1437	Detection and Prediction of Absence Seizures Based on Nonlinear Analysis of the EEG in Wag/Rij Animal Model. International Clinical Neuroscience Journal, 2018, 5, 21-27.	0.1	6
1438	Classification of Brainwave Signals Based on Hybrid Deep Learning and an Evolutionary Algorithm. Journal of Zankoy Sulaimani - Part A, 2019, 21, 35-44.	0.1	3
1439	Automatic Detection of Epilepsy Using EEG Energy and Frequency Bands. International Journal of Applied Mathematics Electronics and Computers, 2017, 1, 36-41.	0.3	4
1440	A Deep Learning of Time Series for Efficient Analysis. International Journal of Future Computer and Communication, 2017, 6, 123-127.	1.3	2
1441	Epileptic State Detection: Pre-ictal, Inter-ictal, Ictal. International Journal of Intelligent Systems and Applications in Engineering, 2015, 3, 14.	1.5	11
1442	A Novel Geometrical Method for Discrimination of Normal, Interictal and Ictal EEG Signals. Traitement Du Signal, 2020, 37, 59-68.	1.3	10
1443	pdc : An <i>R</i> Package for Complexity-Based Clustering of Time Series. Journal of Statistical Software, 2015, 67, .	3.7	31
1444	A Hybrid Particle Swarm Optimization and Neural Network with Fuzzy Membership Function Technique for Epileptic Seizure Classification. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2015, 19, 447-455.	0.9	8
1446	Implementation of Bagged SVM Ensemble Model for Classification of Epileptic States Using EEG. Current Pharmaceutical Biotechnology, 2019, 20, 755-765.	1.6	10
1447	Kullback-Leibler Entropy Analysis of the Electroencephalogram Background Activity in Alzheimer's Disease Patients., 2012,,.		2

#	Article	IF	CITATIONS
1448	Classification of patient by analyzing EEG signal using DWT and least square support vector machine. Advances in Science, Technology and Engineering Systems, 2017, 2, 1280-1289.	0.5	8
1449	Data Mining Based Approach for Evaluation of EEG Signals for Epilepsy Detection. WSEAS Transactions on Biology and Biomedicine, 2020, 17, 48-57.	0.5	4
1450	Swarm Negative Selection Algorithm for Electroencephalogram Signals Classification. Journal of Computer Science, 2009, 5, 995-1002.	0.6	4
1451	Determination of autoregressive model orders for seizure detection. Turkish Journal of Electrical Engineering and Computer Sciences, 0, , .	1.4	7
1452	On entropy, entropy-like quantities, and applications. Discrete and Continuous Dynamical Systems - Series B, 2015, 20, 3301-3343.	0.9	13
1453	Permutation entropy: Influence of amplitude information on time series classification performance. Mathematical Biosciences and Engineering, 2019, 16, 6842-6857.	1.9	17
1454	Methodology for Epilepsy and Epileptic Seizure Recognition using Chaos Analysis of Brain Signals. Advances in Computational Intelligence and Robotics Book Series, 2013, , 20-36.	0.4	9
1455	Electroencephalogram signal classification for automated epileptic seizure detection using genetic algorithm. Journal of Natural Science, Biology and Medicine, 2017, 8, 159.	1.0	14
1456	Feature Extraction by Multi-Scale Principal Component Analysis and Classification in Spectral Domain. Engineering, 2013, 05, 268-271.	0.8	2
1457	Extracting a seizure intensity index from one-channel EEG signal using bispectral and detrended fluctuation analysis. Journal of Biomedical Science and Engineering, 2010, 03, 253-261.	0.4	15
1458	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
1459	Statistical analysis of Epileptic activities based on Histogram and Wavelet-Spectral entropy. Journal of Biomedical Science and Engineering, 2011, 04, 207-213.	0.4	10
1460	Optimal Classification of Epileptic EEG Signals Using Neural Networks and Harmony Search Methods. Journal of Software, 2014, 9, .	0.6	1
1461	Reconfigurable Hardware Design for Automatic Epilepsy Seizure Detection using EEG Signals. Engineering, Technology & Applied Science Research, 2020, 10, 5803-5807.	1.9	5
1462	Balanced Communication-Avoiding Support Vector Machine when Detecting Epilepsy based on EEG Signals. Engineering, Technology & Applied Science Research, 2020, 10, 6462-6468.	1.9	6
1463	Automatic Seizure Detection using Inter Quartile Range. International Journal of Computer Applications, 2012, 44, 1-5.	0.2	6
1464	Classification of EEG Signals for Epileptic Seizures Using Linear and Non-linear Classifiers Based Wavelet Transforms and Information Criteria. Turkiye Klinikleri Journal of Biostatistics, 2019, 11, 102-122.	0.2	4
1465	Exploiting Patterns for Handling Incomplete Coevolving EEG Time Series. International Journal of Contents, 2013, 9, 1-10.	0.1	3

#	Article	IF	CITATIONS
1466	Title is missing!. Journal of Medical and Biological Engineering, 2013, , .	1.8	2
1467	Title is missing!. Journal of Medical and Biological Engineering, 2013, 33, 526.	1.8	66
1468	Multiscaled Complexity Analysis of EEG Epileptic Seizure Using Entropy-Based Techniques. Archives of Neuroscience, $2018, 5, .$	0.3	23
1469	Classification of Epileptic EEG Signals using Time-Delay Neural Networks and Probabilistic Neural Networks. International Journal of Information Engineering and Electronic Business, 2013, 5, 59-67.	1.2	7
1470	Classification of EEG signals using Hyperbolic Tangent-Tangent Plot. International Journal of Intelligent Systems and Applications, 2014, 6, 39-45.	1.1	1
1471	Intelligent Training Algorithm for Artificial Neural Network EEG Classifications. International Journal of Intelligent Systems and Applications, 2018, 10, 33-41.	1.1	15
1472	Automatic seizure detection of electroencephalogram signals based on frequency slice wavelet transform and SVM. Wuli Xuebao/Acta Physica Sinica, 2016, 65, 038703.	0.5	11
1473	Hidden Markov model based epileptic seizure detection using tunable Q wavelet transform. Journal of Biomedical Research, 2020, 34, 170.	1.6	20
1474	Deep learning approach to detect seizure using reconstructed phase space images. Journal of Biomedical Research, 2020, 34, 240.	1.6	48
1475	Analysis of Epileptic EEG Signals with Simple Random Sampling J48 Algorithm. International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB), 2014, 4, 78-81.	0.2	3
1476	EEG Subband Analysis using Approximate Entropy for the Detection of Epilepsy. IOSR Journal of Computer Engineering, 2014, 16, 21-27.	0.1	5
1477	Feature Extraction for Classification Methods of EEG Signals. Advances in Intelligent Systems and Computing, 2021, , 381-392.	0.6	0
1478	Epileptic seizure detection using STFT based peak mean feature and support vector machine. , 2021, , .		1
1479	Epileptic Seizure Classification using LSTM. , 2021, , .		4
1480	Epileptic Seizure Detection Using Deep Bidirectional Long Short-Term Memory Network. Advances in Intelligent Systems and Computing, 2022, , 893-906.	0.6	1
1481	Multivariate functional generalized additive models. Journal of Statistical Computation and Simulation, 2022, 92, 875-893.	1.2	1
1482	A Deep Learning-Based Classification Method for Different Frequency EEG Data. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-13.	1.3	13
1483	Performance Analysis of Data Fusion Methods Applied to Epileptic Seizure Recognition. Journal of Artificial Intelligence and Soft Computing Research, 2022, 12, 5-17.	4.3	3

#	ARTICLE	IF	Citations
1484	Essentials of Predicting Epileptic Seizures Based on EEG Using Machine Learning: A Review. Open Biomedical Engineering Journal, 2021, 15, 90-104.	0.5	4
1485	GenClass: A parallel tool for data classification based on Grammatical Evolution. SoftwareX, 2021, 16, 100830.	2.6	6
1486	Unified Modeling and Analysis of Primary Generalized Seizures. , 2008, , 387-402.		0
1487	Relevance Vector Machine Applied to EEG Signals Classification. , 2008, , .		1
1488	Classification of Seizures in EEG Using Wavelet-Chaos Methodology and Genetic Algorithm. IFMBE Proceedings, 2009, , 564-567.	0.3	0
1489	Neural Network Approaches for EEG Classification. , 2009, , 165-182.		0
1491	Use of Time-Frequency Transforms and Kernel PCA to Classify Epileptic Patients from Control Subjects. Lecture Notes in Computer Science, 2010, , 465-472.	1.3	1
1494	Wavelet Domain Blur Invariants for 1D Discrete Signals. Lecture Notes in Computer Science, 2011, , 69-79.	1.3	0
1495	EPILEPTIC ELECTROENCEPHALOGRAM SIGNAL CLASSIFICATION BASED ON SPARSE REPRESENTATION. , 2011, , .		3
1496	EEG Signals Classification by Using an Ensemble TPUnit Neural Networks for the Diagnosis of Epilepsy. International Journal of Machine Learning and Computing, 2012, , 758-761.	0.6	4
1497	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
1498	Seizure Prediction., 2013,, 685-723.		1
1499	Complexity Measures for Normal and Epileptic EEG Signals using ApEn, SampEn and SEN. International Journal of Computer and Communication Technology, 2013, , 95-101.	0.1	2
1500	The Hybrid Classification Model Thanks to Artificial Neural Network and Artificial Immune Systems for Diagnosis of Epilepsy from Electroencephalography. Journal of Advances in Computer Networks, 2014, 2, 31-34.	0.2	O
1501	Comparison of linear, logarithmic and mel-frequency filter-bank energy cepstra in automatic seizure detection using radial basis function neural network. El Mednifico Journal, 2014, 2, 82.	0.1	1
1502	Modeling Epileptic EEG Time Series by State Space Model and Kalman Filtering Algorithm. International Journal of Intelligent Systems and Applications, 2014, 6, 26-34.	1.1	2
1503	Analysis of EEG Dynamics in Epileptic Patients and Healthy Subjects Using Hilbert Transform Scatter Plots. Open Access Library Journal (oalib), 2015, 02, 1-14.	0.2	5
1504	Recognition of epilepsy electroencephalography based on AdaBoost algorithm. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 128701.	0.5	11

#	Article	IF	CITATIONS
1505	Epileptic Seizure Detection using Spike Information of Intrinsic Mode Functions with Neural Network. International Journal of Engineering Research & Technology, 2015, V4, .	0.2	0
1506	An Improved Method for Classification of Epileptic EEG Signals based on Spectral Features using k-NN. International Journal of Electronics and Communication Engineering, 2015, 2, 22-25.	0.2	0
1507	Compound method of time series classification. Nonlinear Analysis: Modelling and Control, 2015, 20, 545-560.	1.6	4
1508	Selection of Wavelet Features for Biomedical Signals Using SVM Learning. Advances in Data Mining and Database Management Book Series, 2016, , 299-308.	0.5	O
1509	Nonlinear Time Series Analysis in a Nutshell. , 2016, , 149-162.		0
1510	Epileptic Seizure Prediction using Power Spectrum and Amplitude Analysis of Beta Band of EEG Signals. International Journal of Computer Applications, 2016, 155, 13-17.	0.2	4
1513	Accuracy Enhancement of the Epileptic Seizure Detection in EEG Signals. Applied Mathematics and Information Sciences, 2017, 11, 1693-1702.	0.5	1
1515	Prediction of Electroencephalogram Time Series via Artificial Neuro-Fuzzy Inference System Trained by League Championship Algorithm. Advances in Bioinformatics and Biomedical Engineering Book Series, 2018, , 232-248.	0.4	0
1516	EEG Signal Classification for Epileptogenic Zone and Seizure Zone. Advances in Intelligent Systems and Computing, 2018, , 45-52.	0.6	2
1517	Analysis of non-seizure and seizure activity using intracranial EEG signals and empirical mode decomposition based approximate entropy. Biomedical Research (Aligarh, India), 0, , .	0.1	7
1518	EEG Analysis Using a Wavelet Packet Transforms Mean Energy and Mean Teager Energy with an Artificial Neuro-Fuzzy System. Green Energy and Technology, 2018, , 627-635.	0.6	4
1519	Online Single-Channel Seizure Prediction, Based on Seizure Genesis Model of Depth-EEG Signals Using Extended Kalman Filter. Signal and Data Processing, 2018, 15, 3-28.	0.1	1
1520	Diagnosing epileptic seizures by EEG signals using multilayer perceptron. Annals of Electrical and Electronic Engineering, 2018, 1, 1-5.	0.1	0
1521	Nonlinear Analysis of EEG Dynamics in Different Epilepsy States Using Lagged PoincarÉ Maps. International Journal of Image Graphics and Signal Processing, 2018, 10, 61-67.	1.2	1
1522	Evaluation of window size in classification of epileptic short-term EEG signals using a Brain Computer Interface software. Engineering, Technology & Applied Science Research, 2018, 8, 3093-3097.	1.9	11
1524	Epileptic Seizure Detection Based on ECoG Signal. Lecture Notes in Computer Science, 2019, , 193-202.	1.3	1
1525	Feature Extraction and Classification of Epileptic EEG Signals Using Wavelet Transforms and Artificial Neural Networks. Lecture Notes in Computational Vision and Biomechanics, 2019, , 1471-1482.	0.5	0
1526	Eta Correlation Coefficient Based Feature Selection Algorithm for Machine Learning: E-Score Feature Selection Algorithm. Journal of Intelligent Systems Theory and Applications, 2019, 2, 7-12.	0.6	4

#	ARTICLE	IF	Citations
1527	Epileptic Seizure Detection and Classification Using Machine Learning. Advances in Medical Technologies and Clinical Practice Book Series, 2019, , 152-164.	0.3	2
1528	Stationary Wavelet Transform for Automatic Epileptic Seizure Detection. Communications in Computer and Information Science, 2019, , 38-45.	0.5	O
1529	Análisis de electroencefalograma usando redes neuronales artificiales. Acta Universitaria, 0, 29, 1-24.	0.2	0
1531	The State of the Art in Feature Extraction Methods for EEG Classification. UHD Journal of Science and Technology, 2019, 3, 16-23.	0.4	0
1532	Methods of Nonlinear Time Series Analysis and Applications: A Review. Energy, Environment, and Sustainability, 2020, , 9-27.	1.0	1
1533	CluStream-GT: Online Clustering for Personalization in the Health Domain. , 2019, , .		3
1534	A Novel Seizure Diagnostic Model based on Generalized Hurst Exponent and Extremely Randomized Trees. , 2019, , .		2
1535	Complexity analysis and dynamic characteristics of EEG using MODWT based entropies for identification of seizure onset. Journal of Biomedical Research, 2020, 34, 213.	1.6	6
1536	BiS-KM: Enabling Any-Precision K-Means on FPGAs. , 2020, , .		7
1537	EEG Sinyallerinden Epileptik Nöbet Tahmini Üzerine Bir Çalışma. Academic Platform Journal of Engineering and Science, 2020, 8, 279-285.	0.6	1
1538	Classification of Noisy Epileptic EEG Signals Using Fortified Long Short-term Memory Network. , 2020,		0
1539	Performance Evaluation of Spectrogram Based Epilepsy Detection Techniques Using Gray Scale Features. Journal of Ravishankar University, 2020, 33, 01-07.	0.2	0
1540	Comparative Study on Machine Learning Classifiers for Epileptic Seizure Detection in Reference to EEG Signals. Advances in Intelligent Systems and Computing, 2021, , 185-194.	0.6	6
1542	Classification of EEG signals based on time-frequency analysis and spiking neural network. , 2020, , .		0
1543	A Review on Automatic Epilepsy Detection from EEG Signals. Lecture Notes in Electrical Engineering, 2021, , 1441-1454.	0.4	0
1544	Identification of Epilepsy utilizing Hilbert Transform and SVM based Classifier. , 2020, , .		1
1545	A Review of Methods of Diagnosis and Complexity Analysis of Alzheimer's Disease Using EEG Signals. BioMed Research International, 2021, 2021, 1-15.	1.9	17
1546	Kombine Derin Öğrenme Tabanlı Epileptik Nöbet Teşhisi. European Journal of Science and Technology, 0, ,	. 0.5	O

#	Article	IF	CITATIONS
1547	Biomedical Engineering Fundamentals., 2020,, 547-605.		1
1548	Detection of Epileptic Seizure Based on ReliefF Algorithm and Multi-support Vector Machine. Advances in Intelligent Systems and Computing, 2020, , 13-28.	0.6	1
1549	EEG Based Brain State Classification Technique Using Support Vector Machine -A Design Approach. , 2020, , .		20
1550	Sonlu Dürtü Yanıtı Filtresi ve Yapay Sinir Ağları Eğitim Algoritmaları tabanlı Epileptik EEG Sinyalir Sınıflandırılması. Uludağ University Journal of the Faculty of Engineering, 0, , 1431-1444.	nin 0.2	0
1551	End-to-end electroencephalogram (EEG) motor imagery classification with Long Short-Term. , 2020, , .		6
1552	Detection of Epileptic Seizures from Wavelet Scalogram of EEG Signal Using Transfer Learning with AlexNet Convolutional Neural Network. , 2020, , .		6
1553	Automatic Detection of Epilepsy EEG based on CNN-LSTM Network Combination Model., 2020,,.		6
1554	A Sequential Graph Convolutional Network with Frequency-domain Complex Network of EEG Signals for Epilepsy Detection. , 2020, , .		9
1555	Optimisation of deep neural networks for identification of epileptic abnormalities from electroencephalogram signals. Heliyon, 2020, 6, e05694.	3.2	3
1556	Deep Learning Identifies Brain Cognitive Load Via EEG Signals. , 2020, , .		4
1557	An Efficient NoC-based ANN Framework for Epileptic Seizure Recognition. , 2020, , .		0
1558	Reconstructed phase space portraits for detecting brain diseases using deep learning. Biomedical Signal Processing and Control, 2022, 71, 103278.	5.7	6
1559	Fuzzy-Based Automatic Epileptic Seizure Detection Framework. Computers, Materials and Continua, 2022, 70, 5601-5630.	1.9	3
1560	A multi scale time–frequency analysis on Electroencephalogram signals. Physica A: Statistical Mechanics and Its Applications, 2022, 586, 126516.	2.6	5
1561	A Survey of Deep Active Learning. ACM Computing Surveys, 2022, 54, 1-40.	23.0	294
1562	Hardware/Algorithm Co-optimization for Fully-Parallelized Compact Decision Tree Ensembles on FPGAs. Lecture Notes in Computer Science, 2020, , 345-357.	1.3	6
1563	Deep Unsupervised Active Learning via Matrix Sketching. IEEE Transactions on Image Processing, 2021, 30, 9280-9293.	9.8	7
1564	Epileptic seizure detection using EEG signals and extreme gradient boosting. Journal of Biomedical Research, 2020, 34, 228.	1.6	21

#	Article	IF	CITATIONS
1565	Classification of Epileptic Seizure in EEG Signal Using Support Vector Machine and EMD. Advances in Healthcare Information Systems and Administration Book Series, 2020, , 80-95.	0.2	2
1566	Nature-Inspired Algorithm-Based Feature Optimization for Epilepsy Detection. Advances in Intelligent Systems and Computing, 2020, , 259-269.	0.6	0
1567	A Multiclass Classification of Epileptic Activity in Patients Using Wavelet Decomposition. Advances in Intelligent Systems and Computing, 2020, , 413-426.	0.6	0
1568	Alterations of Neuronal Dynamics as a Mechanism for Cognitive Impairment in Epilepsy. Current Topics in Behavioral Neurosciences, 2020, , 65-106.	1.7	2
1569	Automated Seizure Classification Using Deep Neural Network Based on Autoencoder. Advances in Healthcare Information Systems and Administration Book Series, 2020, , 1-19.	0.2	3
1570	Identification of Epileptic Seizure in EEG Signals Using DWT and ANN. , 2020, , .		1
1571	Three Channel Wavelet Filter Banks With Minimal Time Frequency Spread for Classification of Seizure-Free and Seizure EEG Signals. Advances in Healthcare Information Systems and Administration Book Series, 2020, , 220-236.	0.2	2
1572	A new Machine Learning approach for epilepsy diagnostic based on Sample Entropy. IFAC-PapersOnLine, 2021, 54, 346-351.	0.9	1
1574	A Statistical Summary Analysis of Window-Based Extracted Features for EEG Signal Classification. , 2021, , .		0
1575	Energy Constraints Improve Liquid State Machine Performance. , 2020, , .		0
1576	Epileptic EEG Signal Classification Using Convolutional Neural Networks Based on Optimum Window Length and FFT's Length., 2020,,.		0
1577	Learning to Selectively Update State Neurons in Recurrent Networks. , 2020, , .		0
1578	Automated Identification of Interictal Activity from EEG Signal Using Non-linear Features. Advances in Intelligent Systems and Computing, 2021, , 1-8.	0.6	0
1579	A Framework to Evaluate and Classify the Clinical-Level EEG Signals with Epilepsy. Lecture Notes in Networks and Systems, 2021, , 111-121.	0.7	0
1580	Epileptic Seizure Detection Using Deep Recurrent Neural Networks in EEG Signals. Lecture Notes in Bioengineering, 2021, , 189-198.	0.4	4
1582	Analysis of statistical coefficients and autoregressive parameters over intrinsic mode functions (IMFs) for epileptic seizure detection. Biomedizinische Technik, 2020, 65, 693-704.	0.8	2
1584	Analysis of EEG signal for seizure detection based on WPT. Electronics Letters, 2020, 56, 1381-1383.	1.0	7
1585	A Brief Survey of Computational Models of Normal and Epileptic EEG Signals: A Guideline to Model-based Seizure Prediction. Journal of Medical Signals and Sensors, 2011, 1, 62-72.	1.0	2

#	Article	IF	CITATIONS
1586	Application of approximate entropy on dynamic characteristics of epileptic absence seizure. Neural Regeneration Research, 2012, 7, 572-7.	3.0	7
1587	SeizureBank: A Repository of Analysis-ready Seizure Signal Data. AMIA Annual Symposium proceedings, 2019, 2019, 1111-1120.	0.2	1
1588	An efficient epileptic seizure classification system using empirical wavelet transform and multi-fuse reduced deep convolutional neural network with digital implementation. Biomedical Signal Processing and Control, 2022, 72, 103281.	5.7	16
1589	Classification Algorithms Used In The Study of EEG-Based Epileptic Seizure Detection. , 2021, , .		0
1590	EEG Signal Enhancement and Spectrum Estimation Using Fourier Transform Magnitude Response Derivative Functions. Journal of Mobile Multimedia, 0, , .	0.9	0
1591	Generative adversarial network and convolutional neural network-based EEG imbalanced classification model for seizure detection. Biocybernetics and Biomedical Engineering, 2022, 42, 1-15.	5.9	17
1592	Neural Decoding of EEG Signals with Machine Learning: A Systematic Review. Brain Sciences, 2021, 11, 1525.	2.3	68
1593	ESIMD : Epileptic seizure identification using metaheuristic deep learning technique. Expert Systems, 0, , e12897.	4.5	2
1594	Epileptic seizure classification using level-crossing EEG sampling and ensemble of sub-problems classifier. Expert Systems With Applications, 2022, 191, 116356.	7.6	9
1595	An Automatic Method for Epileptic Seizure Detection Based on Deep Metric Learning. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2147-2157.	6.3	17
1596	EEG Signals Classification inÂTime-Frequency Images byÂFusing Rotation-Invariant Local Binary Pattern andÂGray Level Co-occurrence Matrix Features. Lecture Notes in Computer Science, 2021, , 347-358.	1.3	1
1597	Epilepsy EEG classification method based on supervised locality preserving canonical correlation analysis. Mathematical Biosciences and Engineering, 2021, 19, 624-642.	1.9	5
1598	Fuzzy Dispersion Entropy: A Nonlinear Measure for Signal Analysis. IEEE Transactions on Fuzzy Systems, 2022, 30, 3785-3796.	9.8	23
1599	Epileptic Seizure Detection in EEG Signals Using Discriminative Stein Kernel-Based Sparse Representation. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	4.7	6
1600	Edge-Assisted Solutions for IoT-Based Connected Healthcare Systems: A Literature Review. IEEE Internet of Things Journal, 2022, 9, 9419-9443.	8.7	16
1601	Gradient Boosted Neural Decision Forest. IEEE Transactions on Services Computing, 2021, , 1-1.	4.6	3
1602	EEGWaveNet: Multiscale CNN-Based Spatiotemporal Feature Extraction for EEG Seizure Detection. IEEE Transactions on Industrial Informatics, 2022, 18, 5547-5557.	11.3	47
1603	Simple Detection of Epilepsy From EEG Signal Using Local Binary Pattern Transition Histogram. IEEE Access, 2021, 9, 150252-150267.	4.2	13

#	Article	IF	CITATIONS
1604	An Improved Decision Support System for Identification of Abnormal EEG Signals Using a 1D Convolutional Neural Network and Savitzky-Golay Filtering. IEEE Access, 2021, 9, 163492-163503.	4.2	5
1606	VLSI design of multiclass classification using sparse extreme learning machine for epilepsy and seizure detection. IEICE Electronics Express, 2022, 19, 20210536-20210536.	0.8	2
1607	A novel Machine Learning approach for epilepsy diagnosis using EEG signals based on Correlation Dimension. IFAC-PapersOnLine, 2021, 54, 7-11.	0.9	14
1608	ENIC: Ensemble and Nature Inclined Classification with Sparse Depiction based Deep and Transfer Learning for Biosignal Classification. Applied Soft Computing Journal, 2022, 117, 108416.	7.2	6
1609	A new tool wear condition monitoring method based on deep learning under small samples. Measurement: Journal of the International Measurement Confederation, 2022, 189, 110622.	5.0	63
1610	Classification of epileptic seizures from electroencephalogram (EEG) data using bidirectional short-term memory (Bi-LSTM) network architecture. Biomedical Signal Processing and Control, 2022, 73, 103462.	5 . 7	31
1611	Differentially private synthetic medical data generation using convolutional GANs. Information Sciences, 2022, 586, 485-500.	6.9	31
1612	Automated technique for EEG signal processing to detect seizure with optimized Variable Gaussian Filter and Fuzzy RBFELM classifier. Biomedical Signal Processing and Control, 2022, 74, 103450.	5.7	7
1613	Classification of Epileptic and Normal EEG Signals Using Power Spectrum of Sub-bands., 2020,, 6-9.		0
1614	Classification of Epileptic Seizures using Artificial Neural Network with Adaptive Momentum. , 2020, , .		5
1615	A Weighted Overlook Graph Representation of EEG Data for Absence Epilepsy Detection. , 2020, , .		5
1616	Dispersion Entropy for the automated detection of epileptic seizures. , 2020, , .		0
1617	A Comparative Assessment of Machine Learning Techniques for Epilepsy Detection using EEG Signal. , 2020, , .		2
1618	Kids' Atlas application to Learn about Geography and Maps. Advances in Distributed Computing and Artificial Intelligence Journal, 2020, 9, 33-48.	1.5	1
1619	Smoothness Priority Approach Based Epileptic Seizure Classification Using ANN., 2020,,.		1
1620	Neural Network Based Epileptic EEG Detection and Classification. Advances in Distributed Computing and Artificial Intelligence Journal, 2020, 9, 23-32.	1.5	10
1621	3-Layer LSTM Model for Detection of Epileptic Seizures. , 2020, , .		2
1622	A Novel Approach on Epileptic Seizures Detection Using Convolutional Neural Network. , 2020, , .		2

#	Article	IF	CITATIONS
1623	Using Support Vector Machines as an Intelligent Algorithm for Detecting Seizures from EEG Signals. The Neuroscience Journal of Shefaye Khatam, 2021, 9, 1-9.	0.4	2
1624	New Automatic EEG Epileptic Seizure Detection Approach Using Sliding Discrete Fourier Transform and Machine Learning Techniques. , 2021, , .		0
1625	Towards Long-term Non-invasive Monitoring for Epilepsy via Wearable EEG Devices., 2021, , .		15
1626	Human Activity Recognition Using Portable EEG Sensor and Support Vector Machine. , 2021, , .		1
1627	Classification of Epileptic Seizure From EEG Signal Based on Hilbert Vibration Decomposition and Deep Learning., 2021, 2021, 2802-2805.		0
1628	Automatic seizure detection with different time delays using SDFT and time-domain feature extraction. Journal of Biomedical Research, 2022, 36, 48.	1.6	1
1629	DWT-EMD Feature Level Fusion Based Approach over Multi and Single Channel EEG Signals for Seizure Detection. Diagnostics, 2022, 12, 324.	2.6	11
1630	Designing Novel AAD Pooling in Hardware for a Convolutional Neural Network Accelerator. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2022, 30, 303-314.	3.1	23
1631	Horizontal progressive and longitudinal leapfrogging fuzzy classification with feature activity adjustment. Applied Soft Computing Journal, 2022, 119, 108511.	7.2	5
1632	Review on Epileptic Seizure Prediction: Machine Learning and Deep Learning Approaches. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-17.	1.3	38
1633	Tree based Ensemble for Enhanced Prediction (TEEP) of epileptic seizures. Intelligent Data Analysis, 2022, 26, 133-151.	0.9	8
1634	Epileptic seizure endorsement technique using DWT power spectrum. Journal of Supercomputing, 2022, 78, 8604-8624.	3.6	2
1635	A novel <scp>EEG</scp> channel selection and classification methodology for <scp>multiâ€class</scp> motor imageryâ€based <scp>BCI</scp> system design. International Journal of Imaging Systems and Technology, 2022, 32, 1318-1337.	4.1	4
1636	A Novel Lossless EEG Compression Model Using Fractal Combined with Fixed-Length Encoding Technique. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 439-454.	0.7	2
1637	Epileptic-Net: An Improved Epileptic Seizure Detection System Using Dense Convolutional Block with Attention Network from EEG. Sensors, 2022, 22, 728.	3.8	20
1638	CLPVG: Circular limited penetrable visibility graph as a new network model for time series. Chaos, 2022, 32, 013130.	2.5	8
1639	Epileptic seizure detection using convolutional neural networks and recurrence plots of EEG signals. Multimedia Tools and Applications, 2022, 81, 6585-6598.	3.9	7
1640	Detecting epilepsy in EEG signals using synchro-extracting-transform (SET) supported classification technique. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 10123-10141.	4.9	7

#	Article	IF	CITATIONS
1641	An Edge-Fog Computing-Enabled Lossless EEG Data Compression With Epileptic Seizure Detection in IoMT Networks. IEEE Internet of Things Journal, 2022, 9, 13327-13337.	8.7	28
1642	Deep Learning Methods for EEG Neural Classification. , 2022, , 1-39.		2
1643	Extracting epileptic features in EEGs using a dual-tree complex wavelet transform coupled with a classification algorithm. Brain Research, 2022, 1779, 147777.	2.2	12
1644	A novel 2-piece rose spiral curve model: Application in epileptic EEG classification. Computers in Biology and Medicine, 2022, 142, 105240.	7.0	7
1645	Epileptic seizure detection in EEG using mutual information-based best individual feature selection. Expert Systems With Applications, 2022, 193, 116414.	7.6	18
1647	A Review of Recurrent Neural Network-Based Methods in Computational Physiology. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 6983-7003.	11.3	17
1648	Windowing Compensation in Fourier Based Surrogate Analysis and Application to EEG Signal Classification. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	7
1649	Epileptic seizure classification using shifting sample difference of EEG signals. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 11809-11822.	4.9	11
1650	Epileptic Seizure Detection using Spectral Transformation and Convolutional Neural Networks. Journal of the Institution of Engineers (India): Series B, 2022, 103, 1115-1125.	1.9	7
1651	Convolutional neural network based on recurrence plot for EEG recognition. Chaos, 2021, 31, 123120.	2.5	4
1652	An efficient lightweight speck technique for edge-loT-based smart healthcare systems., 2022,, 139-162.		3
1653	Application of Deep Learning in Epilepsy. Advances in Healthcare Information Systems and Administration Book Series, 2022, , 81-98.	0.2	0
1654	A combination of statistical parameters for epileptic seizure detection and classification using VMD and NLTWSVM. Biocybernetics and Biomedical Engineering, 2022, 42, 258-272.	5.9	17
1655	Computerized Multidomain EEG Classification System: A New Paradigm. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 3626-3637.	6.3	13
1656	Coupled Oscillator Dynamics in Brain EEG Signals: Manifestation of synchronization and Across Frequency Energy Exchange by Neutral Turbulence. IEEE Access, 2022, 10, 20445-20454.	4.2	1
1657	Significant Low-Dimensional Spectral-Temporal Features for Seizure Detection. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 668-677.	4.9	18
1658	SASDL and RBATQ: Sparse Autoencoder With Swarm Based Deep Learning and Reinforcement Based Q-Learning for EEG Classification. IEEE Open Journal of Engineering in Medicine and Biology, 2022, 3, 58-68.	2.3	10
1660	Epileptic Seizure Classification Using Spiking Neural Network fromÂEEG Signals. Lecture Notes in Electrical Engineering, 2022, , 297-306.	0.4	1

#	Article	IF	CITATIONS
1661	LPClass: Lightweight Personalized Sensor Data Classification in Computational Social Systems. IEEE Transactions on Computational Social Systems, 2022, 9, 1660-1670.	4.4	11
1662	A Review on EEG based Epileptic Seizures Detection using Deep Learning Techniques. , 2022, , .		6
1663	Automated Epileptic Seizure Detection using Principal Component Analysis Framework. , 2022, , .		0
1664	Artificial Neural Network Model Using Short-Term Fourier Transform for Epilepsy Seizure Detection. , 2022, , .		8
1665	A Threshold-Implementation-Based Neural-Network Accelerator Securing Model Parameters and Inputs Against Power Side-Channel Attacks. , 2022, , .		4
1666	A Two-Phase Evolutionary Method to Train RBF Networks. Applied Sciences (Switzerland), 2022, 12, 2439.	2.5	2
1667	EEG Signal Classification with Deep Neural Networks using Visibility Graphs. , 2022, , .		1
1668	An intelligent epilepsy seizure detection system using adaptive mode decomposition of EEG signals. Physical and Engineering Sciences in Medicine, 2022, 45, 261-272.	2.4	10
1669	Effect of biologically-motivated energy constraints on liquid state machine dynamics and classification performance. Neuromorphic Computing and Engineering, 2022, 2, 024005.	5.9	1
1670	Transfer learning autoencoder used for compressing multimodal biosignal. Multimedia Tools and Applications, 2022, 81, 17547-17565.	3.9	5
1671	Random Neural Network Based Epileptic Seizure Episode Detection Exploiting Electroencephalogram Signals. Sensors, 2022, 22, 2466.	3.8	10
1672	Phase irregularity: A conceptually simple and efficient approach to characterize electroencephalographic recordings from epilepsy patients. Physical Review E, 2022, 105, 034212.	2.1	2
1673	CNN based framework for detection of epileptic seizures. Multimedia Tools and Applications, 2022, 81, 17057-17070.	3.9	15
1674	Epilepsy detection with artificial neural network based on as-fabricated neuromorphic chip platform. AIP Advances, 2022, 12, 035106.	1.3	3
1675	A Comprehensive Survey on the Detection, Classification, and Challenges of Neurological Disorders. Biology, 2022, 11, 469.	2.8	21
1676	Smart neurocare approach for detection of epileptic seizures using deep learning based temporal analysis of EEG patterns. Multimedia Tools and Applications, 2022, 81, 29555-29586.	3.9	25
1677	Constructing Features Using a Hybrid Genetic Algorithm. Signals, 2022, 3, 174-188.	1.9	0
1678	Electrodermal activity based autonomic sleep staging using wrist wearable. Biomedical Signal Processing and Control, 2022, 75, 103562.	5.7	7

#	Article	IF	CITATIONS
1679	EEG signal based seizure detection focused on Hjorth parameters from tunable-Q wavelet sub-bands. Biomedical Signal Processing and Control, 2022, 76, 103645.	5.7	21
1680	Improved Sparse Representation based Robust Hybrid Feature Extraction Models with Transfer and Deep Learning for EEG Classification. Expert Systems With Applications, 2022, 198, 116783.	7.6	9
1681	Bubble transfer spectral entropy and its application in epilepsy EEG analysis. Communications in Nonlinear Science and Numerical Simulation, 2022, 110, 106294.	3.3	2
1682	Combination of Coarse-Grained Procedure and Fractal Dimension for Epileptic EEG Classification. IJCCS (Indonesian Journal of Computing and Cybernetics Systems), 2021, 15, 427.	0.5	O
1683	PCA and SVM Technique for Epileptic Seizure Classification. , 2021, , .		1
1684	A Semi-Supervised Few-Shot Learning Model for Epileptic Seizure Detection. , 2021, 2021, 600-603.		2
1685	Frequency Analysis of EEG Signals Using Band Energy Distribution. , 2021, , .		3
1686	Channel-Weighted Squeeze-and-Excitation Networks For Epileptic Seizure Detection. , 2021, , .		2
1687	Epileptic Seizure Classification for Each of Five Classes Using Time-Domain and Wavelet Decomposition Based Features., 2021,,.		1
1688	Determinant of Covariance Matrix Model Coupled with AdaBoost Classification Algorithm for EEG Seizure Detection. Diagnostics, 2022, 12, 74.	2.6	10
1689	Data Augmentation for Deep Neural Networks Model in EEG Classification Task: A Review. Frontiers in Human Neuroscience, 2021, 15, 765525.	2.0	30
1690	EEG Analizi için CCCII+ Tabanlı Bant Geçiren Filtre Tasarımı. Fırat Üniversitesi MÃ⅓hendislik Bilimleri Dergisi, 0, , .	0.5	0
1691	Can Time Series Data Mining Facilitate Wider Adoption of Mobile Health?., 2021,,.		0
1692	Periâ€ictal and nonâ€seizure <scp>EEG</scp> event detection using generated metadata. Expert Systems, 2022, 39, .	4.5	10
1693	Deep learning for epileptogenic zone delineation from the invasive EEG: challenges and lookouts. Brain Communications, 2022, 4, fcab307.	3.3	3
1694	Feature selection for imbalanced data with deep sparse autoencoders ensemble. Statistical Analysis and Data Mining, 2022, 15, 376-395.	2.8	5
1695	Classification of Epileptic EEG Signals Using DWT-Based Feature Extraction and Machine Learning Methods. International Journal of Applied Mathematics Electronics and Computers, 2021, 9, 122-129.	0.3	2
1696	Detection of Epileptic Seizure from EEG Signal Data by Employing Machine Learning Algorithms with Hyperparameter Optimization., 2021,,.		17

#	Article	IF	CITATIONS
1697	An efficient epileptic seizure detection based on tunable Q-wavelet transform and DCVAE-stacked Bi-LSTM model using electroencephalogram. European Physical Journal: Special Topics, 2022, 231, 2425-2437.	2.6	5
1698	Supercomputer Supported Online Deep Learning Techniques for High Throughput EEG Prediction. , 2021, , .		2
1699	An Attention-Based Wavelet Convolution Neural Network for Epilepsy EEG Classification. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 957-966.	4.9	29
1700	2D-DOST for seizure identification from brain MRI during pregnancy using KRVFL. Health and Technology, 0 , 0 , 1 .	3.6	1
1701	Permutation Jensen-Shannon distance: A versatile and fast symbolic tool for complex time-series analysis. Physical Review E, 2022, 105, 045310.	2.1	14
1702	Evaluation of Feature Selection Methods for Classification of Epileptic Seizure EEG Signals. Sensors, 2022, 22, 3066.	3.8	19
1707	Epileptic Seizure Detection with Hybrid Time-Frequency EEG Input: A Deep Learning Approach. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-14.	1.3	5
1709	Tensor Kalman Filter and Its Applications. IEEE Transactions on Knowledge and Data Engineering, 2022, , $1 \hbox{-} 1.$	5.7	4
1712	An Industry Internet of Things Framework for Epilepsy Detection, Monitoring, and Control. Advances in Medical Technologies and Clinical Practice Book Series, 2022, , 224-241.	0.3	0
1713	Automated Sleep Staging Classification System Based On Convolutional Neural Network Using Polysomnography Signals. , 2022, , .		6
1714	Automated temporal lobe epilepsy and psychogenic nonepileptic seizure patient discrimination from multichannel EEG recordings using DWT based analysis. Biomedical Signal Processing and Control, 2022, 77, 103755.	5.7	6
1715	Seizure detection in EEG using dynamic system analysis. , 2021, , .		0
1718	Automated Machine Learning for Epileptic Seizure Detection Based on EEG燬ignals. Computers, Materials and Continua, 2022, 73, 1995-2011.	1.9	2
1719	Epileptic seizure focus detection from interictal electroencephalogram: a survey. Cognitive Neurodynamics, 2023, 17, 1-23.	4.0	7
1720	IENet: a robust convolutional neural network for EEG based brain-computer interfaces. Journal of Neural Engineering, 2022, 19, 036031.	3.5	6
1722	GATSMOTE: Improving Imbalanced Node Classification on Graphs via Attention and Homophily. Mathematics, 2022, 10, 1799.	2.2	4
1723	An EEG based real-time epilepsy seizure detection approach using discrete wavelet transform and machine learning methods. Biomedical Signal Processing and Control, 2022, 77, 103820.	5.7	36
1724	Deep Learning for Epilepsy monitoring: A survey. E3S Web of Conferences, 2022, 351, 01068.	0.5	0

#	Article	IF	CITATIONS
1725	Hierarchical Domain Adaptation Projective Dictionary Pair Learning Model for EEG Classification in IoMT Systems. IEEE Transactions on Computational Social Systems, 2023, 10, 1559-1567.	4.4	43
1726	A Fusion-Based Technique With Hybrid Swarm Algorithm and Deep Learning for Biosignal Classification. Frontiers in Human Neuroscience, 2022, 16, .	2.0	4
1727	Epileptic Seizure Detection Using Continuous Wavelet Transform and Deep Neural Networks. Lecture Notes in Electrical Engineering, 2022, , 291-300.	0.4	2
1728	Seizure Detection and Prediction by Parallel Memristive Convolutional Neural Networks. IEEE Transactions on Biomedical Circuits and Systems, 2022, 16, 609-625.	4.0	10
1731	BHI-Net: Brain-Heart Interaction-Based Deep Architectures for Epileptic Seizures and Firing Location Detection. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1576-1588.	4.9	2
1733	Automatic Detection of Epilepsy Using CNN-GRU Hybrid Model. , 2022, , 165-186.		1
1734	Empirical Mode Decomposition Method Based on Cardinal Spline and its Application on Electroencephalogram Decomposition., 2022,,.		2
1735	EEG-Based Epileptic Seizure Detection via Machine/Deep Learning Approaches: A Systematic Review. Computational Intelligence and Neuroscience, 2022, 2022, 1-20.	1.7	61
1736	A Spike Neural Network Model for Lateral Suppression of Spike-Timing-Dependent Plasticity with Adaptive Threshold. Applied Sciences (Switzerland), 2022, 12, 5980.	2.5	3
1737	<scp>EEG</scp> correlates of quality of life and associations with seizure without awareness and depression in patients with epilepsy. Neuropsychopharmacology Reports, 2022, 42, 333-342.	2.3	1
1738	AN EXTRACTION AND CLASSIFICATION BASED ON EMD AND LSSVM OF EPILEPTIC EEG. Biomedical Engineering - Applications, Basis and Communications, 2022, 34, .	0.6	2
1739	Hybrid metaheuristic algorithm enhanced support vector machine for epileptic seizure detection. Biomedical Signal Processing and Control, 2022, 78, 103841.	5.7	6
1740	Modified binary salp swarm algorithm in EEG signal classification for epilepsy seizure detection. Biomedical Signal Processing and Control, 2022, 78, 103858.	5.7	12
1741	Rel-CNN: Learning Relationship Features in Time Series for Classification. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 7412-7426.	5.7	1
1742	Preventive effects of fixed and progressive forced exercises on memory and brain electrical activity in morphine-addicted rats. Anais Da Academia Brasileira De Ciencias, 2022, 94, .	0.8	0
1744	Efficient Compression Technique for Reducing Transmitted EEG Data Without Loss in IoMT Networks Based on Fog Computing. SSRN Electronic Journal, 0, , .	0.4	2
1745	Automatic Scatterplot Design Optimization for Clustering Identification. IEEE Transactions on Visualization and Computer Graphics, 2023, 29, 4312-4327.	4.4	6
1747	An Investigation on Epileptic Seizure Classification Using Machine Learning and Multiple Feature Selection Strategies., 2022,,.		O

#	Article	IF	CITATIONS
1748	Empirical Wavelet Transform-Based Framework for Diagnosis of Epilepsy Using EEG Signals. Advances in Bioinformatics and Biomedical Engineering Book Series, 2022, , 217-239.	0.4	3
1750	SEEG-Net: An explainable and deep learning-based cross-subject pathological activity detection method for drug-resistant epilepsy. Computers in Biology and Medicine, 2022, 148, 105703.	7.0	7
1751	Decoding Intracranial EEG With Machine Learning: A Systematic Review. Frontiers in Human Neuroscience, 0, 16 , .	2.0	6
1752	Joint ECG–EMG–EEG signal compression and reconstruction with incremental multimodal autoencoder approach. Circuits, Systems, and Signal Processing, 2022, 41, 6152-6181.	2.0	4
1753	EEG analysis and classification based on cardinal spline empirical mode decomposition and synchrony features. Medical and Biological Engineering and Computing, 2022, 60, 2359-2372.	2.8	4
1754	Design of Smart and Secured Healthcare Service Using Deep Learning with Modified SHA-256 Algorithm. Healthcare (Switzerland), 2022, 10, 1275.	2.0	3
1755	The accuracy of Random Forest performance can be improved by conducting a feature selection with a balancing strategy. PeerJ Computer Science, 0, 8, e1041.	4.5	3
1756	Exploiting auto-encoders for explaining black-box classifiers. Intelligenza Artificiale, 2022, 16, 115-129.	1.6	0
1757	Epileptic seizure classification using ConvLSTM deep classifier and rotation short-time Fourier Transform. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 3809-3825.	4.9	2
1758	An Efficient Epileptic Seizure Detection Technique using Discrete Wavelet Transform and Machine Learning Classifiers. Journal of Physics: Conference Series, 2022, 2286, 012013.	0.4	0
1759	Performance Analysis of Robust Local Mean Decomposition and Empirical Mode Decomposition Methods in the Detection of Epilepsy. European Journal of Science and Technology, 0, , .	0.5	0
1760	Interpretable seizure detection with signal temporal logic neural network. Biomedical Signal Processing and Control, 2022, 78, 103998.	5.7	2
1761	Towards a better multivariate time-series detection of epileptic seizures in electroencephalogram (EEG) using Machine Learning algorithms., 2022,,.		0
1762	Automatic Detection of Mental Health Status using Alpha Subband of EEG Data. , 2022, , .		4
1763	Watermarking of EEG Data to Provide Security Based on DWT-SVD and Optimized by Firefly Algorithm. International Journal of Distributed Systems and Technologies, 2022, 13, 1-16.	0.7	0
1764	Fourier-Bessel Domain based Discrete Stockwell Transform for the Analysis of Non-stationary Signals., 2022,,.		1
1765	DESCN., 2022,,.		4
1766	QFC: A Parallel Software Tool for Feature Construction, Based on Grammatical Evolution. Algorithms, 2022, 15, 295.	2.1	3

#	Article	IF	CITATIONS
1767	Review of Machine and Deep Learning Techniques in Epileptic Seizure Detection using Physiological Signals and Sentiment Analysis. ACM Transactions on Asian and Low-Resource Language Information Processing, 2024, 23, 1-29.	2.0	5
1768	A layer-wise neural network for multi-item single-output quality estimation. Journal of Intelligent Manufacturing, 0, , .	7.3	0
1769	Automated epilepsy seizure detection from EEG signal based on hybrid CNN and LSTM model. Signal, Image and Video Processing, 2023, 17, 1113-1122.	2.7	3
1770	Epilepsy EEG classification and recognition algorithm based on PSO-CNN, 2022, , .		1
1771	EEG brain signals to detect the sleep health of a driver: An automated framework system based on deep learning. Frontiers in Human Neuroscience, $0,16,.$	2.0	1
1772	EEG signal classification via pinball universum twin support vector machine. Annals of Operations Research, 2023, 328, 451-492.	4.1	6
1773	EEG signal classification using improved intuitionistic fuzzy twin support vector machines. Neural Computing and Applications, 2024, 36, 163-179.	5.6	1
1774	Gamma Band: A Bio-Marker to Detect Epileptic Seizures. Lecture Notes in Networks and Systems, 2023, , 355-364.	0.7	1
1775	Wearable electroencephalography and multi-modal mental state classification: A systematic literature review. Computers in Biology and Medicine, 2022, 150, 106088.	7.0	6
1776	A Novel Wavelet Approach for Multiclass iEEG Signal Classification in Automated Diagnosis of Epilepsy. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	4.7	3
1777	Detection of Epilepsy Using Graph Signal Processing of EEG Signals with Three Features. Lecture Notes in Electrical Engineering, 2022, , 569-578.	0.4	1
1778	Epileptic Seizure Classification Using Battle Royale Search and Rescue Optimization-Based Deep LSTM. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 5494-5505.	6.3	7
1779	EEG based epileptic seizure detection methods. AIP Conference Proceedings, 2022, , .	0.4	0
1780	Orthogonal Features Based EEG Signals Denoising Using Fractional and Compressed One-Dimensional CNN Autoencoder. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 2474-2485.	4.9	4
1781	Particle Swarm Optimized DWT-SVD Watermarking Scheme for Securing EEG Data. Lecture Notes in Networks and Systems, 2022, , 685-696.	0.7	0
1782	Classification of Epileptic Seizure Using Machine Learning and Deep Learning Based on Electroencephalography (EEG). Lecture Notes in Networks and Systems, 2022, , 179-199.	0.7	1
1783	Epileptic Seizure Detection Using Deep Learning Based Long Short-Term Memory Networks and Time-Frequency Analysis: a Comparative Investigation in Machine Learning Paradigm. Brazilian Archives of Biology and Technology, 0, 65, .	0.5	1
1784	Data mining with deep learning in biomedical data. , 2022, , 1-20.		0

#	Article	IF	Citations
1785	A Comparative Study of Deep Learning Algorithms for Epileptic Seizure Classification., 2022,,.		2
1786	FPGA-Based Implementation for Real-Time Epileptic EEG Classification Using Hjorth Descriptor and KNN. Electronics (Switzerland), 2022, 11, 3026.	3.1	6
1787	Learning Functions and Classes Using Rules. Al, 2022, 3, 751-763.	3.8	0
1788	A Review on EEG Data Classification Methods for Brain–Computer Interface. Lecture Notes in Networks and Systems, 2023, , 747-760.	0.7	1
1789	Algorithmic fairness datasets: the story so far. Data Mining and Knowledge Discovery, 2022, 36, 2074-2152.	3.7	15
1790	Brain Networks in Autism Spectrum Disorder, Epilepsy and Their Relationship: A Machine Learning Approach. Brain Informatics and Health, 2022, , 125-142.	0.4	10
1791	Classification of Electroencephalography for Neurobiological Spectrum Disorder Diagnosis., 2022,,.		1
1792	Approximation-Aided Epilepsy Detection Using Linear and Non-Linear Classifiers. Advances in Medical Technologies and Clinical Practice Book Series, 2022, , 135-150.	0.3	0
1793	Slope Entropy Characterisation: The Role of the δParameter. Entropy, 2022, 24, 1456.	2.2	4
1794	Epileptic Seizure Detection Using Geometric Features Extracted from SODP Shape of EEG Signals and AsyLnCPSO-GA. Entropy, 2022, 24, 1540.	2.2	4
1795	Quantized Semantic Segmentation Deep Architecture for Deployment on an Edge Computing Device for Image Segmentation. Electronics (Switzerland), 2022, 11, 3561.	3.1	5
1796	Epilepsy-Net: attention-based 1D-inception network model for epilepsy detection using one-channel and multi-channel EEG signals. Multimedia Tools and Applications, 2023, 82, 17391-17413.	3.9	6
1797	A new algorithm for Largest Lyapunov Exponent determination for noisy chaotic signal studies with application to Electroencephalographic signals analysis for epilepsy and epileptic seizures detection. Chaos, Solitons and Fractals, 2022, 165, 112757.	5.1	5
1798	Multimodal detection of epilepsy with deep neural networks. Expert Systems With Applications, 2023, 213, 119010.	7.6	19
1799	GNMF-based quadratic feature extraction in SSTFT domain for epileptic EEG detection. Biomedical Signal Processing and Control, 2023, 80, 104274.	5.7	6
1800	Deep learning for anomaly detection in multivariate time series: Approaches, applications, and challenges. Information Fusion, 2023, 91, 93-102.	19.1	30
1801	The Time-Sequence Prediction via Temporal and Contextual Contrastive Representation Learning. Lecture Notes in Computer Science, 2022, , 465-476.	1.3	1
1802	A Threshold Implementation-Based Neural Network Accelerator With Power and Electromagnetic Side-Channel Countermeasures. IEEE Journal of Solid-State Circuits, 2023, 58, 141-154.	5.4	3

#	ARTICLE	IF	CITATIONS
1803	Data augmentation for learning predictive models on EEG: a systematic comparison. Journal of Neural Engineering, 2022, 19, 066020.	3.5	12
1804	Identification of Inter-ictal Activity from EEG Signal Using Scalograms with LeNet-5 Based Model. Lecture Notes in Networks and Systems, 2023, , 457-464.	0.7	O
1805	Detection of Epileptic Seizure Using a Combination of Discrete Wavelet Transform and Power Spectral Density. Lecture Notes in Networks and Systems, 2023, , 637-646.	0.7	0
1806	Sparse measures with swarm-based pliable hidden Markov model and deep learning for EEG classification. Frontiers in Computational Neuroscience, 0, 16 , .	2.1	O
1807	A Novel Epilepsy Detection Method Based on Feature Extraction by Deep Autoencoder on EEG Signal. International Journal of Environmental Research and Public Health, 2022, 19, 15110.	2.6	0
1808	Modified multiscale sample entropy and cross-sample entropy based on horizontal visibility graph. Chaos, Solitons and Fractals, 2022, 165, 112802.	5.1	3
1809	Automatic seizure detection by convolutional neural networks with computational complexity analysis. Computer Methods and Programs in Biomedicine, 2023, 229, 107277.	4.7	19
1810	TS-Evolutionary_Prototyping: A Python module for finding the prototype in large sets of time series. Software Impacts, 2023, 15, 100458.	1.4	O
1811	Tools for Machine Learning. Springer Series in the Data Sciences, 2022, , 277-327.	0.2	0
1812	Logarithmic Moments for Mixture of Symmetric Alpha Stable Modelling. IEEE Signal Processing Letters, 2022, 29, 2527-2531.	3.6	1
1813	A Machine Learning Approach for EEG Brain Signal Classification., 2022,,.		0
1814	Epileptic Seizure Detection Using a Hybrid 1D CNN-Machine Learning Approach from EEG Data. Journal of Healthcare Engineering, 2022, 2022, 1-16.	1.9	11
1815	EEG-Based Epileptic Seizure Detection Model Using CNN Feature Optimization. , 2022, , .		1
1816	An Approach to Identifying and Quantifying Bias in Biomedical Data. , 2022, , .		О
1817	RNN and BiLSTM Fusion for Accurate Automatic Epileptic Seizure Diagnosis Using EEG Signals. Life, 2022, 12, 1946.	2.4	6
1818	Evaluating the Window Size's Role in Automatic EEG Epilepsy Detection. Sensors, 2022, 22, 9233.	3.8	8
1819	Epileptik Nöbet Tespiti İçin Destek Regresyon Temelli Yeni Bir Sınıflandırma Yaklaşımı. Journal of Polytechnic, 0, , .	0.7	0
1820	Application of Machine Learning in Epileptic Seizure Detection. Diagnostics, 2022, 12, 2879.	2.6	8

#	Article	IF	Citations
1821	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
1822	Identification and classification of epileptic EEG signals using invertible constant-Q transform-based deep convolutional neural network. Journal of Neural Engineering, 2022, 19, 066035.	3.5	2
1823	Analytic Representation vs. Angle Modulation of Hilbert Transform of Fast Walsh-Hadamard Coefficients (HTFWHC) in Epileptic EEG Classification. Brazilian Journal of Physics, 2023, 53, .	1.4	3
1824	Siamese Network-Based Feature Transformation for Improved Automated Epileptic Seizure Detection. Complexity, 2022, 2022, 1-14.	1.6	1
1825	Supervised Machine Learning and Deep Learning Techniques for Epileptic Seizure Recognition Using EEG Signalsâ€"A Systematic Literature Review. Bioengineering, 2022, 9, 781.	3.5	18
1826	DSCNN-LSTMs: A Lightweight and Efficient Model for Epilepsy Recognition. Brain Sciences, 2022, 12, 1672.	2.3	5
1827	Probing epileptic disorders with lightweight neural network and EEG's intrinsic geometry. Nonlinear Dynamics, 2023, 111, 5817-5832.	5.2	3
1829	Efficient compression technique for reducing transmitted EEG data without loss in IoMT networks based on fog computing. Journal of Supercomputing, 2023, 79, 9047-9072.	3.6	5
1830	Byte-Pair Encoding for classifying routine clinical electroencephalograms in adults over the lifespan. IEEE Journal of Biomedical and Health Informatics, 2023, , $1-11$.	6.3	1
1831	Machine Learning Algorithms for Epilepsy Detection Based on Published EEG Databases: A Systematic Review. IEEE Access, 2023, 11, 564-594.	4.2	7
1832	LoSAC: An Efficient Local Stochastic Average Control Method for Federated Optimization. ACM Transactions on Knowledge Discovery From Data, 2023, 17, 1-28.	3.5	0
1833	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
1834	GRU-Based Parameter-Efficient Epileptic Seizure Detection. EAI/Springer Innovations in Communication and Computing, 2023, , 73-86.	1.1	0
1835	A Low Complexity Estimation Method of Entropy for Real-Time Seizure Detection. IEEE Access, 2023, 11, 5990-5999.	4.2	5
1836	Multiple classification of EEG signals and epileptic seizure diagnosis with combined deep learning. Journal of Computational Science, 2023, 67, 101943.	2.9	19
1837	Epileptic Seizure Classification Using Deep Learning Technique. , 2022, , .		0
1838	An Automatic Epileptic Seizure Recognition Using Two-Dimensional Convolutional Neural Network and Scalp EEG Signals. , 2022, , .		0
1839	EEG signals analysis using SVM and MLPNN classifiers for epilepsy detection. , 2022, , .		1

#	Article	IF	CITATIONS
1840	Analysis of EEG Signals Using Empirical Mode Decomposition and Relative Band Energy. , 2022, , .		0
1841	EEG-based Seizure Detection Using Generative Model and Deep Learning. , 2022, , .		2
1842	Variational mode decomposition and binary grey wolf optimization-based automated epilepsy seizure classification framework. Biomedizinische Technik, 2022, .	0.8	0
1843	Slope Entropy Normalisation by Means of Analytical and Heuristic Reference Values. Entropy, 2023, 25, 66.	2.2	1
1844	Self-Supervised Time Series Classification Based on LSTM and Contrastive Transformer. Wuhan University Journal of Natural Sciences, 2022, 27, 521-530.	0.4	1
1845	Identification of Epileptic Seizures using CNN on Noisy EEG Signals. , 2022, , .		1
1846	EEG İşaretlerinin Hilbert Huang Dönüşümü ve Sınıflandırılması. Afyon Kocatepe University Sciences and Engineering, 2022, 22, 1323-1333.	ournal of	0
1847	Explainability Using SHAP for Epileptic Seizure Recognition., 2022,,.		1
1848	Nonlinear dynamical systems to study epileptic seizures and extract average amount of mutual information from encephalographs – Part I. IP Indian Journal of Neurosciences, 2023, 8, 254-259.	0.1	0
1849	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	O
1850	EEG Signal Classification Using a Novel Universum-Based Twin Parametric-Margin Support Vector Machine. Cognitive Computation, 0, , .	5.2	6
1851	Identifying epileptic EEGs and congestive heart failure ECGs under unified framework of wavelet scattering transform, bidirectional weighted (2D)2PCA and KELM. Biocybernetics and Biomedical Engineering, 2023, 43, 279-297.	5.9	3
1852	Locating the Parameters of RBF Networks Using a Hybrid Particle Swarm Optimization Method. Algorithms, 2023, 16, 71.	2.1	3
1853	Phase space reconstruction, geometric filtering based Fisher discriminant analysis and minimum distance to the Riemannian means algorithm for epileptic seizure classification. Expert Systems With Applications, 2023, 219, 119613.	7.6	5
1854	EEG signal classification based on improved variational mode decomposition and deep forest. Biomedical Signal Processing and Control, 2023, 83, 104644.	5.7	3
1855	An Explainable AI approach towards Epileptic Seizure Detection. , 2022, , .		O
1856	Generation ofÂSynthetic Tabular Healthcare Data Using Generative Adversarial Networks. Lecture Notes in Computer Science, 2023, , 434-446.	1.3	1
1857	Machine Learning Framework for Identification of Abnormal EEG Signal. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2023, , 42-54.	0.3	1

#	Article	IF	CITATIONS
1858	Automatic focal EEG identification based on deep reinforcement learning. Biomedical Signal Processing and Control, 2023, 83, 104693.	5.7	1
1859	Epileptic seizure detection on a compressed EEG signal using energy measurement. Biomedical Signal Processing and Control, 2023, 85, 104872.	5.7	4
1860	Barnes–Hut approximation based accelerating t-SNE for seizure detection. Biomedical Signal Processing and Control, 2023, 84, 104833.	5.7	2
1861	Agrupamiento de Señales EEG con Rasgos Aprendidos Usando Autoencoder Profundo. , 2023, 28, 180-192.		0
1862	Automated and accurate focal EEG signal detection method based on the cube pattern. Multimedia Tools and Applications, 2023, 82, 19675-19691.	3.9	0
1863	Epileptic Seizure Inference using Kernalized SVM with integrated training on PYNQ Z2., 2022,,.		O
1864	Deep Learning Methods for EEG Neural Classification. , 2023, , 2821-2859.		1
1865	<scp>EEG</scp> datasets for seizure detection and prediction— AÂreview. Epilepsia Open, 2023, 8, 252-267.	2.4	12
1866	Feature extraction and selection from electroencephalogram signals for epileptic seizure diagnosis. Neural Computing and Applications, 2023, 35, 12195-12219.	5.6	2
1867	Epilepsy Detection using Bi-LSTM with Explainable Artificial Intelligence. , 2022, , .		2
1868	EPViz: A flexible and lightweight visualizer to facilitate predictive modeling for multi-channel EEG. PLoS ONE, 2023, 18, e0282268.	2.5	2
1869	Al-Based Epileptic Seizure Detection and Prediction in Internet of Healthcare Things: A Systematic Review. IEEE Access, 2023, 11, 30690-30725.	4.2	4
1870	Novel seizure detection algorithm based on multi-dimension feature selection. Biomedical Signal Processing and Control, 2023, 84, 104747.	5.7	7
1871	Iterative Reflect Perceptual Sammon and Machine Learning-Based Bagging Classification for Efficient Tumor Detection. Sustainability, 2023, 15, 4602.	3.2	1
1872	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
1873	Epileptic Patient Activity Recognition System Using Extreme Learning Machine Method. Biomedicines, 2023, 11, 816.	3.2	6
1874	Nonlinear Theta-Gamma Coupling between the Anterior Thalamus and Hippocampus Increases as a Function of Running Speed. ENeuro, 2023, 10, ENEURO.0470-21.2023.	1.9	0
1875	Current Trends in Feature Extraction and Classification Methodologies of Biomedical Signals. Current Medical Imaging, 2023, 20, .	0.8	1

#	Article	IF	CITATIONS
1876	An intelligent optimized deep learning model to achieve early prediction of epileptic seizures. Biomedical Signal Processing and Control, 2023, 84, 104798.	5.7	5
1877	An Efficient Classification of Focal and Non-Focal EEG Signals Using Adaptive DCT Filter Bank. Circuits, Systems, and Signal Processing, 0, , .	2.0	0
1878	Capsule neural network based approach for subject specific and cross-subjects seizure detection from EEG signals. Multimedia Tools and Applications, 0, , .	3.9	0
1879	Revised Tunable Q-Factor Wavelet Transform for EEG-Based Epileptic Seizure Detection. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2023, 31, 1707-1720.	4.9	5
1880	A Mothâ€"Flame Optimized Echo State Network and Triplet Feature Extractor for Epilepsy Electro-Encephalography Signals. Mathematics, 2023, 11, 1438.	2.2	2
1881	Automatic detection method of epileptic seizures based on IRCMDE and PSO-SVM. Mathematical Biosciences and Engineering, 2023, 20, 9349-9363.	1.9	3
1882	Classification of coma/brain-death EEG dataset based on one-dimensional convolutional neural network. Cognitive Neurodynamics, 0, , .	4.0	1
1883	Data Augmentation techniques in time series domain: a survey and taxonomy. Neural Computing and Applications, 2023, 35, 10123-10145.	5.6	21
1884	Non-stationary neural signal to image conversion framework for image-based deep learning algorithms. Frontiers in Neuroinformatics, 0, 17, .	2.5	1
1885	Methodological Issues in Evaluating Machine Learning Models for EEG Seizure Prediction: Good Cross-Validation Accuracy Does Not Guarantee Generalization to New Patients. Applied Sciences (Switzerland), 2023, 13, 4262.	2.5	6
1886	An Innovative Information-Based Strategy for Epileptic EEG Classification. Neural Processing Letters, 0, , .	3.2	0
1887	Recurrence Plot-Assisted Detection of Focal/Non-focal EEG Signals Using Ensemble Deep Features. Journal of Medical and Biological Engineering, 2023, 43, 176-184.	1.8	0
1888	Rebalancing Techniques for Asynchronously Distributed EEG Data to Improve Automatic Seizure Type Classification., 2023,,.		1
1889	Convolutional Neural Network-Based EEG Signal Analysis: A Systematic Review. Archives of Computational Methods in Engineering, 2023, 30, 3585-3615.	10.2	3
1890	CB-GAN: Generate Sensitive Data withÂaÂConvolutional Bidirectional Generative Adversarial Networks. Lecture Notes in Computer Science, 2023, , 159-174.	1.3	1
1891	A Shallow Autoencoder Framework for Epileptic Seizure Detection in EEG Signals. Sensors, 2023, 23, 4112.	3.8	3
1892	Tiny Machine Learning for IoT and eHealth Applications: Epileptic Seizure Prediction Use Case. Lecture Notes in Networks and Systems, 2023, , 242-251.	0.7	0
1893	An Ultra-Low Power Reconfigurable Biomedical AI Processor With Adaptive Learning for Versatile Wearable Intelligent Health Monitoring. IEEE Transactions on Biomedical Circuits and Systems, 2023, 17, 952-967.	4.0	2

#	Article	IF	CITATIONS
1894	An overview of machine learning methods in enabling IoMT-based epileptic seizure detection. Journal of Supercomputing, 2023, 79, 16017-16064.	3.6	5
1895	Classification ofÂEpileptic Seizures Based onÂCNN andÂGuided Back-Propagation forÂInterpretation Analysis. Communications in Computer and Information Science, 2023, , 212-226.	0.5	1
1896	EEG brain signal processing for epilepsy detection. Recent Advances in Electrical and Electronic Engineering, 2023, 16, .	0.3	0
1897	Wavelet-Hilbert transform based bidirectional least squares grey transform and modified binary grey wolf optimization for the identification of epileptic EEGs. Biocybernetics and Biomedical Engineering, 2023, 43, 442-462.	5.9	3
1898	Handcrafted Features Extraction-Based Epileptic Seizure Classification., 2022, , .		0
1899	Quantifying time series complexity by multi-scale transition network approaches. Physica A: Statistical Mechanics and Its Applications, 2023, 622, 128845.	2.6	0
1901	An IoT-Based Novel Hybrid Seizure Detection Approach for Epileptic Monitoring. IEEE Transactions on Industrial Informatics, 2024, 20, 1420-1431.	11.3	2
1902	Prediction Method For The Detection of Epilepsy In The EEG Signals. , 2023, , .		0
1903	EEG Signal Classification using Memristor-based Reservoir Computing System., 2023,,.		0
1905	Eigenvalues of Hankel Matrix based Epilepsy Detection using EEG Signals. , 2023, , .		0
1906	Automated detection of epileptic EEG signals using recurrence plots-based feature extraction with transfer learning. Soft Computing, 2024, 28, 2367-2383.	3.6	2
1907	Epileptic detection in single and multi-lead EEG signals using persistent homology based on bi-directional weighted visibility graphs. Chaos, 2023, 33, .	2.5	3
1908	Universum twin support vector machine with truncated pinball loss. Engineering Applications of Artificial Intelligence, 2023, 123, 106427.	8.1	3
1909	Electroencephalogram signal classification based on Fourier transform and Pattern Recognition Network for epilepsy diagnosis. Engineering Applications of Artificial Intelligence, 2023, 123, 106479.	8.1	5
1910	A review on software and hardware developments in automatic epilepsy diagnosis using <scp>EEG</scp> datasets. Expert Systems, 2023, 40, .	4.5	2
1911	A First Look at the Security of EEG-based Systems and Intelligent Algorithms under Physical Signal Injections. , 2023, , .		1
1912	EEG Datasets in Machine Learning Applications of Epilepsy Diagnosis and Seizure Detection. SN Computer Science, 2023, 4, .	3.6	2
1913	Neurological disorder detection using EEG signal processing and Machine Learning. , 2023, , .		O

#	ARTICLE	IF	CITATIONS
1914	Mother Wavelet for Optimal Feature Analysis in Multiclass EEG Signals. , 2023, , .		0
1915	Epileptic seizure detection combining power spectral density and high-frequency oscillations. International Journal of Applied Mathematics Electronics and Computers, 0, , .	0.3	0
1916	A novel epileptic seizure prediction method based on synchroextracting transform and 1-dimensional convolutional neural network. Computer Methods and Programs in Biomedicine, 2023, 240, 107678.	4.7	3
1917	Epileptic EEG Signal Classification Using Machine Learning based Model. , 2023, , .		O
1918	I. Detection of EEG Signals in Normal and Epileptic Seizures with Multiscale Multifractal Analysis Approach via Weighted Horizontal Visibility Graph. Chinese Physics B, O, , .	1.4	0
1919	A Multi-Channel Feature Fusion CNN-Bi-LSTM Epilepsy EEG Classification and Prediction Model Based on Attention Mechanism. IEEE Access, 2023, 11, 62855-62864.	4.2	1
1920	Performance comparison of bio-inspired and learning-based clustering analysis with machine learning techniques for classification of EEG signals. Frontiers in Artificial Intelligence, 0, 6, .	3.4	0
1921	Adaptive Decomposition of Multicomponent Signals and Estimation of Phase Synchronization. IEEE Transactions on Signal Processing, 2023, 71, 1586-1598.	5.3	2
1922	Classification of Epileptic EEG Signal Using MSLD Entropy. Lecture Notes in Electrical Engineering, 2023, , 321-332.	0.4	1
1923	Policy gradient empowered LSTM with dynamic skips for irregular time series data. Applied Soft Computing Journal, 2023, 142, 110314.	7.2	1
1924	Seizure detection with reduced electroencephalogram channels: research trends and outlook. Royal Society Open Science, 2023, 10 , .	2.4	4
1925	Neural Mode Estimation., 2023, , .		0
1926	Source-Free Domain Adaptation (SFDA) for Privacy-Preserving Seizure Subtype Classification. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2023, 31, 2315-2325.	4.9	2
1927	Efficient Epileptic Seizure Recognition System using the Multi-model Ensemble Method from EEG. , 2022, , .		0
1928	Impact ofÂFeature Selection Techniques forÂEEG-Based Seizure Classification. Lecture Notes in Networks and Systems, 2023, , 197-207.	0.7	0
1929	Less Parameterization Inception-Based End to End CNN Model for EEG Seizure Detection. IEEE Access, 2023, 11, 49172-49182.	4.2	5
1930	An automated detection of epileptic seizures EEG using CNN classifier based on feature fusion with high accuracy. BMC Medical Informatics and Decision Making, 2023, 23, .	3.0	9
1931	Epileptic seizure detection with deep EEG features by convolutional neural network and shallow classifiers. Frontiers in Neuroscience, $0,17,.$	2.8	6

#	Article	IF	CITATIONS
1932	A study of EEG non-stationarity on inducing false memory in different emotional states. Neuroscience Letters, 2023, 809, 137306.	2.1	1
1933	Detection of Brain Abnormalities from Spontaneous Electroencephalography Using Spiking Neural Network. Studies in Computational Intelligence, 2023, , 123-143.	0.9	1
1934	Automatic seizure detection and classification using super-resolution superlet transform and deep neural network -A preprocessing-less method. Computer Methods and Programs in Biomedicine, 2023, 240, 107680.	4.7	2
1935	Epileptic Seizure Detection from EEG Signal Using ANN-LSTM Model. Lecture Notes in Networks and Systems, 2023, , 129-141.	0.7	0
1936	Recurrence Plots-Based Network Attack Classification Using CNN-Autoencoders. Lecture Notes in Computer Science, 2023, , 191-209.	1.3	4
1937	Identification of TLE Focus from EEG Signals by Using Deep Learning Approach. Diagnostics, 2023, 13, 2261.	2.6	0
1938	Enhancing Epileptic Seizure Prediction with Machine Learning and EEG Analysis. Journal of Machine and Computing, 2023, , 184-195.	0.8	0
1939	Epilepsy Detection with Multi-channel EEG Signals Utilizing AlexNet. Circuits, Systems, and Signal Processing, 2023, 42, 6780-6797.	2.0	2
1940	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
1941	Epileptic Seizure Detection Using Single-Channel EEG and Artificial Intelligence Techniques. , 2023, , .		0
1942	DABaCLT: A Data Augmentation Bias-Aware Contrastive Learning Framework for Time Series Representation. Applied Sciences (Switzerland), 2023, 13, 7908.	2.5	2
1943	Guided deep embedded clustering regularization for multifeature medical signal classification. Pattern Recognition, 2023, 143, 109812.	8.1	1
1944	A Systematic Review of Electroencephalography Open Datasets and Their Usage With Deep Learning Models. IEEE Access, 2023, 11, 72384-72399.	4.2	0
1945	A Feature Construction Method That Combines Particle Swarm Optimization and Grammatical Evolution. Applied Sciences (Switzerland), 2023, 13, 8124.	2.5	0
1946	A New Fuzzy-Based Classification Method for Use in Smart/Precision Medicine. Bioengineering, 2023, 10, 838.	3.5	5
1947	A Survey on Public Data Sets Related to Chronic Diseases. , 2023, , .		0
1948	Electroencephalography Signal Processing: A Comprehensive Review and Analysis of Methods and Techniques. Sensors, 2023, 23, 6434.	3.8	11
1949	A new lossless electroencephalogram compression technique for fog computingâ€based IoHT networks. International Journal of Communication Systems, 2023, 36, .	2.5	2

#	Article	IF	Citations
1950	rSeiz 2.0: A Low Latency and Energy-Efficient Seizure Detector in the IoMT. SN Computer Science, 2023, 4, .	3.6	1
1951	A CNN-LSTM hybrid network for automatic seizure detection in EEG signals. Neural Computing and Applications, 2023, 35, 20605-20617.	5.6	6
1952	Antiadhesion Superhydrophobic Bipolar Electrocoagulation Tweezers with High Conductivity and Stability. Langmuir, 0 , , .	3.5	1
1953	Epileptic multi-seizure type classification using electroencephalogram signals from the Temple University Hospital Seizure Corpus: A review. Expert Systems With Applications, 2023, 234, 121040.	7.6	2
1954	EEG Signal Epilepsy Detection With a Weighted Neighbor Graph Representation and Two-Stream Graph-Based Framework. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2023, 31, 3176-3187.	4.9	0
1955	Machine-learning for the prediction of one-year seizure recurrence based on routine electroencephalography. Scientific Reports, 2023, 13, .	3.3	3
1956	Extremely Random Forest based Automatic Tonic-Clonic Seizure Detection using Spectral Analysis on Electroencephalography Data., 2023,,.		0
1957	Functional iterative approach for Universum-based primal twin bounded support vector machine to EEG classification (FUPTBSVM). Multimedia Tools and Applications, 2024, 83, 22119-22151.	3.9	1
1958	Measuring the quality of projections of high-dimensional labeled data. Computers and Graphics, 2023, 116, 287-297.	2.5	0
1959	Automatic Detection and Classification of Epileptic Seizures from EEG Data: Finding Optimal Acquisition Settings and Testing Interpretable Machine Learning Approach. Biomedicines, 2023, 11, 2370.	3.2	1
1960	Deep extreme learning machine with knowledge augmentation for EEG seizure signal recognition. Frontiers in Neuroinformatics, $0,17,.$	2.5	0
1961	Self-Supervised Contrastive Representation Learning for Semi-Supervised Time-Series Classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 15604-15618.	13.9	5
1962	CCCII+ BASED LOW PASS FILTER DESIGN FOR ANALYSIS OF EEG SIGNALS., 0, , .		0
1963	Implementation of Machine Learning and Deep Learning Techniques for the Detection of Epileptic Seizures Using Intracranial Electroencephalography. Applied Sciences (Switzerland), 2023, 13, 8747.	2.5	3
1964	A Novel Fuzzy Unsupervised Feature Learning Approach. International Journal of Computational Intelligence and Applications, 2023, 22, .	0.8	0
1965	Automated diagnosis of epileptic seizures using EEG image representations and deep learning. Neuroscience Informatics, 2023, 3, 100139.	4.5	4
1966	EENED: End-to-End Neural Epilepsy Detection based on Convolutional Transformer., 2023,,.		0
1967	Deep Learning Approaches for Epileptic Seizures Recognition based on EEG Signal. , 2023, , .		2

#	Article	IF	CITATIONS
1968	EEG and Fractal Dimension for Epileptic Seizures Detection., 2023,,.		0
1969	A self-attention model for cross-subject seizure detection. Computers in Biology and Medicine, 2023, 165, 107427.	7.0	1
1970	Epileptic Seizure Prediction Methods Using Machine Learning andÂDeep Learning Models. Lecture Notes in Networks and Systems, 2023, , 244-253.	0.7	0
1971	Application of Pre Training New Paradigm in Time Series. , 2023, , .		0
1972	Xavier-PSO-ELM-based EEG signal classification method for predicting epileptic seizures. Multimedia Tools and Applications, 2024, 83, 30675-30696.	3.9	0
1974	Training Accuracy Improvement for ERP Datasets by Employing Restart Learning Strategy. , 2023, , .		0
1975	An Automated System for Epilepsy Detection Using EEG Brain Signals Based on Tunable Q-Factor Wavelet Transform and Local Binary Transitions Pattern Approach., 2023,,.		0
1976	Epileptic Seizure Detection and Prediction in EEGs Using Power Spectra Density Parameterization. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2023, 31, 3884-3894.	4.9	3
1977	Simplicial network analysis on EEG signals. Physica A: Statistical Mechanics and Its Applications, 2023, 630, 129230.	2.6	0
1978	EEG classification based on Grassmann manifold and matrix recovery. Biomedical Signal Processing and Control, 2024, 87, 105491.	5.7	0
1979	Brain activity vs. seismicity: Scaling and memory. AIP Conference Proceedings, 2023, , .	0.4	0
1980	Deep Learning-Based Classification of Epileptic Electroencephalography Signals Using a Concentrated Time-Frequency Approach. International Journal of Neural Systems, 2023, 33, .	5.2	1
1981	Evaluation of the Performance of Generalized Singular Spectrum Analysis Model in Attenuation of Spectral Leakage., 2023,,.		0
1982	EEG Signal Analysis Approaches for Epileptic Seizure Event Prediction Using Deep Learning. , 2023, , .		0
1983	PreEpiSeizures: description and outcomes of physiological data acquisition using wearable devices during video-EEG monitoring in people with epilepsy. Frontiers in Physiology, 0, 14, .	2.8	1
1984	MCU-Enabled Epileptic Seizure Detection System With Compressed Learning. IEEE Internet of Things Journal, 2024, 11, 8771-8782.	8.7	0
1985	Variational Mode Decomposition-Based Moment Fusion for the Detection of Seizure Types From the Scalp EEG Measurements. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-12.	4.7	1
1986	A hybrid SVM and kernel function-based sparse representation classification for automated epilepsy detection in EEG signals. Neurocomputing, 2023, 562, 126874.	5.9	1

#	Article	IF	CITATIONS
1987	Biomembraneâ€Based Memcapacitive Reservoir Computing System for Energyâ€Efficient Temporal Data Processing. Advanced Intelligent Systems, 2023, 5, .	6.1	4
1988	EEG-based epileptic seizure detection using binary dragonfly algorithm and deep neural network. Scientific Reports, 2023, 13, .	3.3	3
1989	A Complete Deep Support Vector Data Description for One Class Learning. IEEE Access, 2023, , 1-1.	4.2	0
1990	Automatic Detection and Estimation of Ocular Artifacts from EEG Signal by LSTM and K-svd., 2023,,.		O
1991	CAD system for epileptic seizure detection from EEG through image processing and SURF-BOF technique. Machine Learning: Science and Technology, 2023, 4, 045029.	5.0	1
1992	Comparison of Various Empirical-Mode Decomposition Techniques of EEG for the Diagnostics of Epilepsy. Neurophysiology, 0, , .	0.3	0
1993	Brain Decoding using EEG Signals: Detection for Human Daily Activities., 2023,,.		0
1994	Visibility graphs of critical and off-critical time series for absorbing state phase transitions. Physical Review E, 2023, 108, .	2.1	0
1995	Performance evaluation of metaheuristics-tuned recurrent neural networks for electroencephalography anomaly detection. Frontiers in Physiology, 0, 14, .	2.8	0
1996	Constructing the Bounds for Neural Network Training Using Grammatical Evolution. Computers, 2023, 12, 226.	3.3	0
1997	Oneâ€dimensional atrous convâ€net based architecture for automatic diagnosis of epilepsy using <scp>electroencephalography</scp> signals and its brain–computer interface applications. Expert Systems, O, , .	4.5	0
1998	Classification of epileptic EEG signals with the utilization of Bonferroni mean based fuzzy pattern tree. Expert Systems With Applications, 2024, 239, 122424.	7.6	0
1999	Robust Epileptic Seizure Detection Using Long Short-Term Memory and Feature Fusion of Compressed Time–Frequency EEG Images. Sensors, 2023, 23, 9572.	3.8	0
2000	EEG-Based Seizure Detection Using Variable-Frequency Complex Demodulation and Convolutional Neural Networks. Signals, 2023, 4, 816-835.	1.9	4
2001	Epileptic focus localization using transfer learning on multi-modal EEG. Frontiers in Computational Neuroscience, 0, 17, .	2.1	0
2002	NLDyn - An open source MATLAB toolbox for the univariate and multivariate nonlinear dynamical analysis of physiological data. Computer Methods and Programs in Biomedicine, 2024, 243, 107941.	4.7	0
2003	EEG Epileptic Data Classification Using the Schrodinger Operator's Spectrum. , 2023, , .		0
2004	TS-TWC: A time series representation learning framework based on Time-Wavelet contrasting. Biomedical Signal Processing and Control, 2024, 88, 105678.	5.7	1

#	Article	IF	CITATIONS
2005	Treatment of Imbalance Dataset for Human Emotion Classification. World Journal of Neuroscience, 2023, 13, 173-191.	0.1	0
2006	Seizure Classification Based on EEG Signal Analysis and CNN-Transformers Model., 2023,,.		0
2007	A new network representation for time series analysis from the perspective of combinatorial property of ordinal patterns. Heliyon, 2023, 9, e22455.	3.2	1
2008	Adopting Convolutional Long Short-Term Memory Network to Detect Seizures. , 2023, , .		0
2009	Estimation of EOG artifacts from EEG signal by Orthogonal Matching Pursuit and thresholding. , 2023, , .		0
2010	EEG Data reduction with Epileptic Seizure Detection based machine learning in IoMT Networks. , 2023, , .		O
2011	EEG Epileptic Seizure Classification Using Hybrid Time-Frequency Attention Deep Network. Communications in Computer and Information Science, 2024, , 101-113.	0.5	0
2012	Epileptic seizure classification using fuzzy lattices and Neural Reinforcement Learning. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 0, , 1-9.	1.9	0
2013	Adapting the Parameters of RBF Networks Using Grammatical Evolution. Al, 2023, 4, 1059-1078.	3.8	0
2014	Automatic epileptic seizure detection based on persistent homology. Frontiers in Physiology, 0, 14, .	2.8	0
2015	Automatic epileptic seizure detection based on EEG using a moth-flame optimization of one-dimensional convolutional neural networks. Frontiers in Neuroscience, 0, 17, .	2.8	0
2016	Effective Detection of Epileptic Seizures through EEG Signals Using Deep Learning Approaches. Machine Learning and Knowledge Extraction, 2023, 5, 1937-1952.	5.0	0
2017	Multiscale Hjorth Descriptor on Epileptic EEG Classification. Journal of Electrical and Computer Engineering, 2023, 2023, 1-11.	0.9	0
2018	Approximate Hindmarsh-Rose model identification: application to EEG data. , 2023, , .		0
2019	Epileptic Seizure Detection Using Novel CNN with Residual Connections., 2023,,.		0
2020	Integrating Machine Learning with Biomedical Signal Processing and Systems Analysis: An Applications-based Course., 2023,,.		0
2021	Enhancing Performances of Intelligent EEG Signal Processing for Epilepsy Diagnosis. , 2023, , .		0
2022	Hybrid approach for the detection of epileptic seizure using electroencephalography input. International Journal of Information Technology (Singapore), 0, , .	2.7	0

#	Article	IF	CITATIONS
2023	Applications of Self-Supervised Learning to Biomedical Signals: A Survey. IEEE Access, 2023, 11, 144180-144203.	4.2	1
2024	An efficient feature selection and explainable classification method for EEG-based epileptic seizure detection. Journal of Information Security and Applications, 2024, 80, 103654.	2.5	1
2025	EEG signal analysis in frequency domains for healthy and epileptic patients. AIP Conference Proceedings, 2023, , .	0.4	0
2026	EEG Signal Classification using Discrete Wavelet Transform (DWT) and Gaussian Support Vector Machine (SVM) for Epileptics. , 2023, , .		0
2027	Identifying Patterns for Neurological Disabilities by Integrating Discrete Wavelet Transform and Visualization. Applied Sciences (Switzerland), 2024, 14, 273.	2.5	0
2028	Epileptic Seizures: Detection and Classification using Time Series and Deep Learning. , 2023, , .		0
2029	Enhancing cognitive control with transcranial magnetic stimulation in subject-specific frontoparietal networks. Cortex, 2024, 172, 141-158.	2.4	0
2030	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
2031	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
2032	Slope Entropy Characterisation: An Asymmetric Approach to Threshold Parameters Role Analysis. Entropy, 2024, 26, 82.	2.2	0
2033	A new approach to neural networks using pseudo-differential operators. Journal of Pseudo-Differential Operators and Applications, 2024, 15, .	0.7	0
2034	Advanced framework for epilepsy detection through image-based EEG signal analysis. Frontiers in Human Neuroscience, 0, 18 , .	2.0	0
2036	Parallel Ictal-Net, a Parallel CNN Architecture with Efficient Channel Attention for Seizure Detection. Sensors, 2024, 24, 716.	3.8	0
2037	Positional multi-length and mutual-attention network for epileptic seizure classification. Frontiers in Computational Neuroscience, $0,18,.$	2.1	0
2038	Learning with Local Gradients at the Edge. , 2023, , .		0
2039	A Novel Framework for Epileptic Seizure Detection Using Electroencephalogram Signals Based on the Bat Feature Selection Algorithm. Neuroscience, 2024, 541, 35-49.	2.3	0
2040	Enhancing Seizure Detection from EEG Signals-Optimization Driven Feature Selection and Classification using Artificial Neural Networks. , 2023, , .		0
2041	RIHANet: A Residual-based Inception with Hybrid-Attention Network for Seizure Detection using EEG signals. Computers in Biology and Medicine, 2024, 171, 108086.	7.0	0

#	Article	IF	CITATIONS
2042	TS-TFSIAM: Time-series self-supervised learning with time-frequency SiameseNet. Knowledge-Based Systems, 2024, 288, 111472.	7.1	0
2043	Automatic Seizure Detection Using Multi-Input Deep Feature Learning Networks for EEG Signals. Journal of Sensors, 2024, 2024, 1-15.	1.1	0
2044	Literature Survey Paper on Epilepsy and Autism Spectrum Disorder Detection and Analysis Using Machine Learning. International Journal of Advanced Research in Science, Communication and Technology, 0, , 372-378.	0.0	0
2045	Machine Learning based Epileptic Seizure Detection from EEG Signal: Bangladesh Perspective., 2023,,.		0
2046	Functional Linear Model with Prior Information of Subjects' Network. Journal of Computational and Graphical Statistics, 0, , 1-10.	1.7	0
2047	Multi-span transition networks: a new unified framework for analyzing time series. Nonlinear Dynamics, 2024, 112, 5503-5523.	5. 2	0
2048	Seizure Detection by Analyzing EEG Signals Using Deep Learning Networks. Lecture Notes in Networks and Systems, 2024, , 65-76.	0.7	0
2049	A Comprehensive Review on Synergy of Multi-Modal Data and Al Technologies in Medical Diagnosis. Bioengineering, 2024, 11, 219.	3.5	0
2050	Classification of epileptic based on fast Fourier transform and ensemble model. AIP Conference Proceedings, 2024, , .	0.4	0
2051	Ordered Weighted Aggregation Operators based Statistical features for Seizure Classification using EEG., 2023,,.		0
2052	Generalized singular spectrum analysis for the decomposition and analysis of non-stationary signals. Journal of the Franklin Institute, 2024, 361, 106696.	3.4	0
2053	Epileptic EEG signal classification using an improved VMD-based convolutional stacked autoencoder. Pattern Analysis and Applications, 2024, 27, .	4.6	O
2054	Novel ML-Based Algorithm for Detecting Seizures from Single-Channel EEG. NeuroSci, 2024, 5, 59-70.	1.2	0
2055	A comparative study of CNN-capsule-net, CNN-transformer encoder, and Traditional machine learning algorithms to classify epileptic seizure. BMC Medical Informatics and Decision Making, 2024, 24, .	3.0	0
2056	Analyzing entropy features in time-series data for pattern recognition in neurological conditions. Artificial Intelligence in Medicine, 2024, 150, 102821.	6.5	0
2057	Spatiotemporal wavelet-domain neuroimaging of chaotic EEG seizure signals in epilepsy diagnosis and prognosis with the use of graph convolutional LSTM networks. Chaos, Solitons and Fractals, 2024, 181, 114675.	5.1	0
2058	Electroencephalography (EEG) based epilepsy diagnosis via multiple feature space fusion using shared hidden space-driven multi-view learning. PeerJ Computer Science, 0, 10, e1874.	4.5	0
2059	ConceFT-based epileptic seizure detection via transfer learning. Signal, Image and Video Processing, 0, ,	2.7	0

#	Article	IF	CITATIONS
2060	Epileptic seizure detection using improved empirical mode decomposition and improved weight updated KNN. Journal of Intelligent and Fuzzy Systems, 2024, 46, 10345-10358.	1.4	0
2061	Cosine convolutional neural network and its application for seizure detection. Neural Networks, 2024, 174, 106267.	5.9	0
2062	Detection of epileptic seizure using EEG signals analysis based on deep learning techniques. Chaos, Solitons and Fractals, 2024, 181, 114700.	5.1	0
2063	Automatic classification of seizure and seizure-free EEG signals based on phase space reconstruction features. Journal of Biological Physics, 0, , .	1.5	0
2064	Clinical Sensitivity of Fractal Neurodynamics. Advances in Neurobiology, 2024, , 285-312.	1.8	0
2065	Classification of EEG Signals for Epilepsy Detection Using PCA Analysis. Communications in Computer and Information Science, 2024, , 204-219.	0.5	O
2066	Novel deep learning framework for detection of epileptic seizures using EEG signals. Frontiers in Computational Neuroscience, $0,18,.$	2.1	0
2067	Neonatal Seizure detection using GLCM feature extraction & amp; AlexNet classification. Multimedia Tools and Applications, 0, , .	3.9	O
2068	Energy efficient FPGA implementation of an epileptic seizure detection system using a QDA classifier. Expert Systems With Applications, 2024, 249, 123755.	7.6	0