Wanzhong Chen

List of Publications by Year
in descending order

44 papers	1,256 citations	471061 17 h-index	377514 34 g-index
44 all docs	44 docs citations	44 times ranked	1021 citing authors

#	Article	IF	Citations
1	Achieving Energy-Efficient Uplink URLLC With MIMO-Aided Grant-Free Access. IEEE Transactions on Wireless Communications, 2022, 21, 1407-1420.	6.1	11
2	Motor imagery EEG classification algorithm based on improved lightweight feature fusion network. Biomedical Signal Processing and Control, 2022, 75, 103618.	3.5	13
3	An Attention-based Bi-LSTM Method for Visual Object Classification via EEG. Biomedical Signal Processing and Control, 2021, 63, 102174.	3.5	52
4	FFT-based deep feature learning method for EEG classification. Biomedical Signal Processing and Control, 2021, 66, 102492.	3.5	36
5	Quantifying randomness and complexity of a signal via maximum fuzzy membership difference entropy. Measurement: Journal of the International Measurement Confederation, 2021, 174, 109053.	2.5	5
6	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.	3.5	3
7	Synchroextracting chirplet transform-based epileptic seizures detection using EEG. Biomedical Signal Processing and Control, 2021, 68, 102699.	3.5	9
8	Subbands and cumulative sum of subbands based nonlinear features enhance the performance of epileptic seizure detection. Biomedical Signal Processing and Control, 2021, 69, 102827.	3.5	15
9	Heterogeneous Multi-Agent System for Brain-Computer Interaction in Routing and Forwarding with Memristive Neuron Networks. IEEE Transactions on Parallel and Distributed Systems, 2021, , 1-1.	4.0	2
10	Decoding human brain activity with deep learning. Biomedical Signal Processing and Control, 2020, 56, 101730.	3.5	33
11	Complex-valued distribution entropy and its application for seizure detection. Biocybernetics and Biomedical Engineering, 2020, 40, 306-323.	3.3	16
12	Symplectic geometry decomposition-based features for automatic epileptic seizure detection. Computers in Biology and Medicine, 2020, 116, 103549.	3.9	42
13	Ensemble deep learning for automated visual classification using EEG signals. Pattern Recognition, 2020, 102, 107147.	5.1	57
14	Scattering transform-based features for the automatic seizure detection. Biocybernetics and Biomedical Engineering, 2020, 40, 77-89.	3.3	6
15	Automatic focal and non-focal EEG detection using entropy-based features from flexible analytic wavelet transform. Biomedical Signal Processing and Control, 2020, 57, 101761.	3.5	28
16	Patient-specific seizure detection method using nonlinear mode decomposition for long-term EEG signals. Medical and Biological Engineering and Computing, 2020, 58, 3075-3088.	1.6	16
17	Developing multi-component dictionary-based sparse representation for automatic detection of epileptic EEG spikes. Biomedical Signal Processing and Control, 2020, 60, 101966.	3.5	8
18	Motor imagery EEG classification based on flexible analytic wavelet transform. Biomedical Signal Processing and Control, 2020, 62, 102069.	3.5	35

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19	Classification Epileptic Seizures in EEG Using Time-Frequency Image and Block Texture Features. IEEE Access, 2020, 8, 9770-9781.	2.6	21
20	Analysis on Latency-Bounded Reliability for Adaptive Grant-Free Access With Multipackets Reception (MPR) in URLLCs. IEEE Communications Letters, 2019, 23, 892-895.	2.5	16
21	Classification of inter-ictal and ictal EEGs using multi-basis MODWPT, dimensionality reduction algorithms and LS-SVM: A comparative study. Biomedical Signal Processing and Control, 2019, 47, 240-251.	3.5	37
22	FuzzyEn-based features in FrFT-WPT domain for epileptic seizure detection. Neural Computing and Applications, 2019, 31, 9335-9348.	3.2	18
23	Generalized Stockwell transform and SVD-based epileptic seizure detection in EEG using random forest. Biocybernetics and Biomedical Engineering, 2018, 38, 519-534.	3.3	61
24	A novel seizure diagnostic model based on kernel density estimation and least squares support vector machine. Biomedical Signal Processing and Control, 2018, 41, 233-241.	3.5	16
25	Fuzzy distribution entropy and its application in automated seizure detection technique. Biomedical Signal Processing and Control, 2018, 39, 360-377.	3.5	78
26	Automatic epileptic EEG detection using DT-CWT-based non-linear features. Biomedical Signal Processing and Control, 2017, 34, 114-125.	3.5	73
27	Application of MODWT and log-normal distribution model for automatic epilepsy identification. Biocybernetics and Biomedical Engineering, 2017, 37, 679-689.	3.3	31
28	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.	3.5	126
29	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.	2.7	165
30	Classification of epilepsy EEG signals using DWT-based envelope analysis and neural network ensemble. Biomedical Signal Processing and Control, 2017, 31, 357-365.	3.5	137
31	Masking empirical mode decomposition-based hybrid features for recognition of motor imagery in EEG. , 2017, , .		5
32	Continuous Recognition of Multifunctional Finger and Wrist Movements in Amputee Subjects Based on sEMG and Accelerometry. Open Biomedical Engineering Journal, 2016, 10, 101-110.	0.7	8
33	Automatic epilepsy detection using wavelet-based nonlinear analysis and optimized SVM. Biocybernetics and Biomedical Engineering, 2016, 36, 708-718.	3.3	44
34	Recognition Method of Limb Motor Imagery EEG Signals Based on Integrated Back-propagation Neural Network. Open Biomedical Engineering Journal, 2015, 9, 83-91.	0.7	2
35	CLASSIFICATION OF sEMG SIGNALS USING INTEGRATED NEURAL NETWORK WITH SMALL SIZED TRAINING DATA. Biomedical Engineering - Applications, Basis and Communications, 2012, 24, 365-376.	0.3	6
36	The Pattern Recognition of Surface EMG Based on Wavelet Transform and BP Neural Network. , 2011, , .		4

#	Article	IF	Citations
37	Modeling and pattern recognition of sEMG for intelligent bionic artificial limb. , 2010, , .		2
38	Segmentation of coronary arteries based on transition region extraction. , 2010, , .		1
39	Segmentation method of degree-based transition region extraction for coronary angiograms. , 2010, , .		2
40	Segmentation Method Based on Fusion Algorithm for Coronary Angiograms. , 2009, , .		11
41	The Research on the Application of an Improved Algorithm in the Zigbee Network. , 2009, , .		0
42	An Improvement of the Ant Colony Optimization Algorithm for Solving Travelling Salesman Problem (TSP). , 2009, , .		4
43	Study on de-noising of the torque sensor signal in electric power steering system using wavelet transform. , 0, , .		0
44	The information acquisition and error control in the wireless infrared temperature measurement system. , 0, , .		1