Yan Li

List of Publications by Year in descending order

120 papers	4,074 citations	101384 36 h-index	128067 60 g-index
124 all docs	124 docs citations	124 times ranked	3131 citing authors

#	Article	IF	Citations
1	Analysis and Classification of Sleep Stages Based on Difference Visibility Graphs From a Single-Channel EEG Signal. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1813-1821.	3.9	300
2	Clustering technique-based least square support vector machine for EEG signal classification. Computer Methods and Programs in Biomedicine, 2011, 104, 358-372.	2.6	206
3	Short-term electricity demand forecasting with MARS, SVR and ARIMA models using aggregated demand data in Queensland, Australia. Advanced Engineering Informatics, 2018, 35, 1-16.	4.0	200
4	Improving the Separability of Motor Imagery EEG Signals Using a Cross Correlation-Based Least Square Support Vector Machine for Brainâ€"Computer Interface. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 526-538.	2.7	171
5	Soil moisture forecasting by a hybrid machine learning technique: ELM integrated with ensemble empirical mode decomposition. Geoderma, 2018, 330, 136-161.	2.3	149
6	Epileptic seizure detection in EEGs signals using a fast weighted horizontal visibility algorithm. Computer Methods and Programs in Biomedicine, 2014, 115, 64-75.	2.6	135
7	Input selection and performance optimization of ANN-based streamflow forecasts in the drought-prone Murray Darling Basin region using IIS and MODWT algorithm. Atmospheric Research, 2017, 197, 42-63.	1.8	130
8	EEG Sleep Stages Classification Based on Time Domain Features and Structural Graph Similarity. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 1159-1168.	2.7	125
9	Two-phase particle swarm optimized-support vector regression hybrid model integrated with improved empirical mode decomposition with adaptive noise for multiple-horizon electricity demand forecasting. Applied Energy, 2018, 217, 422-439.	5.1	122
10	A T-wave alternans assessment method based on least squares curve fitting technique. Measurement: Journal of the International Measurement Confederation, 2016, 86, 93-100.	2.5	118
11	Weekly soil moisture forecasting with multivariate sequential, ensemble empirical mode decomposition and Boruta-random forest hybridizer algorithm approach. Catena, 2019, 177, 149-166.	2.2	95
12	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.	2.6	91
13	EEG Signal Analysis and Classification. Health Information Science, 2016, , .	0.3	86
14	Modified CC-LR algorithm with three diverse feature sets for motor imagery tasks classification in EEG based brainâ€"computer interface. Computer Methods and Programs in Biomedicine, 2014, 113, 767-780.	2.6	76
15	Estimation of Mutual Information: A Survey. Lecture Notes in Computer Science, 2009, , 389-396.	1.0	75
16	Complex networks approach for EEG signal sleep stages classification. Expert Systems With Applications, 2016, 63, 241-248.	4.4	73
17	Classification of epileptic EEG signals based on simple random sampling and sequential feature selection. Brain Informatics, 2016, 3, 85-91.	1.8	73
18	Classify epileptic EEG signals using weighted complex networks based community structure detection. Expert Systems With Applications, 2017, 90, 87-100.	4.4	70

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19	Epileptogenic focus detection in intracranial EEG based on delay permutation entropy. AIP Conference Proceedings, 2013, , .	0.3	68
20	A feature extraction technique based on tunable Q-factor wavelet transform for brain signal classification. Journal of Neuroscience Methods, 2019, 312, 43-52.	1.3	67
21	Analysis of alcoholic EEG signals based on horizontal visibility graph entropy. Brain Informatics, 2014, 1, 19-25.	1.8	64
22	Ensemble committee-based data intelligent approach for generating soil moisture forecasts with multivariate hydro-meteorological predictors. Soil and Tillage Research, 2018, 181, 63-81.	2.6	60
23	A novel statistical algorithm for multiclass EEG signal classification. Engineering Applications of Artificial Intelligence, 2014, 34, 154-167.	4.3	59
24	Identification of motor imagery tasks through CC-LR algorithm in brain computer interface. International Journal of Bioinformatics Research and Applications, 2013, 9, 156.	0.1	52
25	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
26	An Efficient DDoS TCP Flood Attack Detection and Prevention System in a Cloud Environment. IEEE Access, 2017, , 1-1.	2.6	50
27	Discriminating the brain activities for brain–computer interface applications through the optimal allocation-based approach. Neural Computing and Applications, 2015, 26, 799-811.	3.2	49
28	Ensemble of adaboost cascades of 3L-LBPs classifiers for license plates detection with low quality images. Expert Systems With Applications, 2018, 92, 216-235.	4.4	46
29	EEG sleep stages identification based on weighted undirected complex networks. Computer Methods and Programs in Biomedicine, 2020, 184, 105116.	2.6	45
30	Epileptic seizures detection in EEGs blending frequency domain with information gain technique. Soft Computing, 2019, 23, 227-239.	2.1	43
31	Measuring and Reflecting Depth of Anesthesia Using Wavelet and Power Spectral Density. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 630-639.	3.6	42
32	Security and privacy preserving approaches in the eHealth clouds with disaster recovery plan. Computers in Biology and Medicine, 2016, 78, 1-8.	3.9	42
33	Short-term electricity demand forecasting using machine learning methods enriched with ground-based climate and ECMWF Reanalysis atmospheric predictors in southeast Queensland, Australia. Renewable and Sustainable Energy Reviews, 2019, 113, 109293.	8.2	42
34	Leaf Vein Extraction Using Independent Component Analysis. , 2006, , .		41
35	An Improved Detrended Moving-Average Method for Monitoring the Depth of Anesthesia. IEEE Transactions on Biomedical Engineering, 2010, 57, 2369-2378.	2.5	41
36	Consciousness and Depth of Anesthesia Assessment Based on Bayesian Analysis of EEG Signals. IEEE Transactions on Biomedical Engineering, 2013, 60, 1488-1498.	2.5	38

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37	Coupling a Fast Fourier Transformation With a Machine Learning Ensemble Model to Support Recommendations for Heart Disease Patients in a Telehealth Environment. IEEE Access, 2017, 5, 10674-10685.	2.6	38
38	Electrocardiogram Baseline Wander Suppression Based on the Combination of Morphological and Wavelet Transformation Based Filtering. Computational and Mathematical Methods in Medicine, 2019, 2019, 1-7.	0.7	37
39	A Review of the Trends and Challenges in Adopting Natural Language Processing Methods for Education Feedback Analysis. IEEE Access, 2022, 10, 56720-56739.	2.6	37
40	Multi-channel EEG-based sleep stage classification with joint collaborative representation and multiple kernel learning. Journal of Neuroscience Methods, 2015, 254, 94-101.	1.3	36
41	An Efficient Texture Descriptor for the Detection of License Plates From Vehicle Images in Difficult Conditions. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 553-564.	4.7	30
42	Classification of EEG Signals Using Sampling Techniques and Least Square Support Vector Machines. Lecture Notes in Computer Science, 2009, , 375-382.	1.0	30
43	Quantitative thickness prediction of tectonically deformed coal using Extreme Learning Machine and Principal Component Analysis: a case study. Computers and Geosciences, 2017, 101, 38-47.	2.0	28
44	Theoretical basis for identification of different anesthetic states based on routinely recorded EEG during operation. Computers in Biology and Medicine, 2009, 39, 40-45.	3.9	26
45	Epileptic EEG signal classification using optimum allocation based power spectral density estimation. IET Signal Processing, 2018, 12, 738-747.	0.9	26
46	An Intelligent Recommender System Based on Short-Term Risk Prediction for Heart Disease Patients. , 2015, , .		24
47	Depth of anaesthesia monitors and the latest algorithms. Asian Pacific Journal of Tropical Medicine, 2014, 7, 429-437.	0.4	22
48	Complex networks approach for depth of anesthesia assessment. Measurement: Journal of the International Measurement Confederation, 2018, 119, 178-189.	2.5	22
49	Electrical Energy Demand Forecasting Model Development and Evaluation with Maximum Overlap Discrete Wavelet Transform-Online Sequential Extreme Learning Machines Algorithms. Energies, 2020, 13, 2307.	1.6	21
50	An intelligent recommender system based on predictive analysis in telehealthcare environment. Web Intelligence, 2016, 14, 325-336.	0.1	20
51	Measuring the hypnotic depth of anaesthesia based on the EEG signal using combined wavelet transform, eigenvector and normalisation techniques. Computers in Biology and Medicine, 2012, 42, 680-691.	3.9	19
52	K-complexes Detection in EEG Signals using Fractal and Frequency Features Coupled with an Ensemble Classification Model. Neuroscience, 2019, 422, 119-133.	1.1	19
53	Detecting sleep spindles in EEGs using wavelet fourier analysis and statistical features. Biomedical Signal Processing and Control, 2019, 48, 80-92.	3.5	19
54	Numeric Investigation of Brain Tumor Influence on the Current Distributions During Transcranial Direct Current Stimulation. IEEE Transactions on Biomedical Engineering, 2016, 63, 176-187.	2.5	18

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55	An efficient approach for EEG sleep spindles detection based on fractal dimension coupled with time frequency image. Biomedical Signal Processing and Control, 2018, 41, 210-221.	3.5	18
56	Detection of EEG K-Complexes Using Fractal Dimension of Time Frequency Images Technique Coupled With Undirected Graph Features. Frontiers in Neuroinformatics, 2019, 13, 45.	1.3	18
57	A Review of the State of the Art in Privacy and Security in the eHealth Cloud. IEEE Access, 2021, 9, 104127-104141.	2.6	17
58	A Novel Permutation Entropy-Based EEG Channel Selection for Improving Epileptic Seizure Prediction. Sensors, 2021, 21, 7972.	2.1	16
59	Image Classification Using Wavelet Coefficients in Low-pass Bands. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	15
60	Improving the accuracy of depth of anaesthesia using modified detrended fluctuation analysis method. Biomedical Signal Processing and Control, 2010, 5, 59-65.	3.5	15
61	Developing a logistic regression model with cross-correlation for motor imagery signal recognition. , 2011, , .		15
62	An Efficient Visibility Graph Similarity Algorithm and Its Application on Sleep Stages Classification. Lecture Notes in Computer Science, 2012, , 185-195.	1.0	15
63	Significance of EEG Signals in Medical and Health Research. Health Information Science, 2016, , 23-41.	0.3	13
64	Twin rotor system modeling, de-coupling and optimal control. , 2011, , .		12
65	Classifying Epileptic EEG Signals with Delay Permutation Entropy and Multi-scale K-Means. Advances in Experimental Medicine and Biology, 2015, 823, 143-157.	0.8	12
66	Detection of k-complexes in EEG signals using a multi-domain feature extraction coupled with a least square support vector machine classifier. Neuroscience Research, 2021, 172, 26-40.	1.0	12
67	Extracting epileptic features in EEGs using a dual-tree complex wavelet transform coupled with a classification algorithm. Brain Research, 2022, 1779, 147777.	1.1	12
68	Improvement of the Accuracy of InSAR Image Co-Registration Based On Tie Points â€" A Review. Sensors, 2009, 9, 1259-1281.	2.1	11
69	Effects of the number of hidden nodes used in a structured-based neural network on the reliability of image classification. Neural Computing and Applications, 2009, 18, 249-260.	3.2	11
70	Analysing epileptic EEGs with a visibility graph algorithm. , 2012, , .		10
71	COMPARISONS BETWEEN MOTOR AREA EEG AND ALL-CHANNELS EEG FOR TWO ALGORITHMS IN MOTOR IMAGERY TASK CLASSIFICATION. Biomedical Engineering - Applications, Basis and Communications, 2014, 26, 1450040.	0.3	10
72	Monitoring the depth of anaesthesia using Hurst exponent and Bayesian methods. IET Signal Processing, 2014, 8, 907-917.	0.9	10

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73	Evaluating Functional Connectivity in Alcoholics Based on Maximal Weight Matching. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2011, 15, 1221-1227.	0.5	10
74	Jumping Knowledge Based Spatial-Temporal Graph Convolutional Networks for Automatic Sleep Stage Classification. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1464-1472.	2.7	10
75	Data selection in EEG signals classification. Australasian Physical and Engineering Sciences in Medicine, 2016, 39, 157-165.	1.4	9
76	Using Usage Control to Access XML Databases. International Journal of Information Systems in the Service Sector, 2009, 1, 32-44.	0.2	8
77	Methods for the blind signal separation problem. , 2003, , .		7
78	Tension control of a winding machine for rectangular coils. , 2008, , .		7
79	Real-time depth of anaesthesia assessment using strong analytical signal transform technique. Australasian Physical and Engineering Sciences in Medicine, 2014, 37, 723-730.	1.4	7
80	A Fast Fourier Transform-Coupled Machine Learning-Based Ensemble Model for Disease Risk Prediction Using a Real-Life Dataset. Lecture Notes in Computer Science, 2017, , 654-670.	1.0	7
81	Developing Learning-Based Preprocessing Methods for Detecting Complicated Vehicle Licence Plates. IEEE Access, 2020, 8, 170951-170966.	2.6	7
82	A novel spectral entropy-based index for assessing the depth of anaesthesia. Brain Informatics, 2021, 8, 10.	1.8	7
83	Simulation study of pO2distribution in induced tumour masses and normal tissues within a microcirculation environment. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 334-343.	0.9	6
84	Numerical investigation of the energy distribution of Low-intensity transcranial focused ultrasound neuromodulation for hippocampus. Ultrasonics, 2022, 124, 106724.	2.1	6
85	Comparison of Extended and Unscented Kalman Filters applied to EEG signals. , 2010, , .		5
86	Minimum node degree of k-connected vehicular ad hoc networks in highway scenarios. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	1.5	5
87	A Structural Graph-Coupled Advanced Machine Learning Ensemble Model for Disease Risk Prediction in a Telehealthcare Environment. Studies in Big Data, 2018, , 363-384.	0.8	5
88	Rules-Based and SVM-Q Methods With Multitapers and Convolution for Sleep EEG Stages Classification. IEEE Access, 2022, 10, 71299-71310.	2.6	5
89	Service-mining Based on the Knowledge and Customer Databases. , 2007, , .		4
90	Minimum packet drop sequences based networked control system model with embedded Markov chain. Simulation Modelling Practice and Theory, 2009, 17, 1635-1641.	2.2	4

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91	Developing a Tunable Q-Factor Wavelet Transform Based Algorithm for Epileptic EEG Feature Extraction. Lecture Notes in Computer Science, 2017, , 45-55.	1.0	4
92	EEG Analysis on Skull Conductivity Perturbations Using Realistic Head Model. Lecture Notes in Computer Science, 2009, , 208-215.	1.0	4
93	Effects of white matter on EEG of multi-layered spherical head models. , 2008, , .		3
94	XML and web services security. , 2008, , .		3
95	MULTISCALE ENTROPY ALGORITHMS AND THEIR APPLICATIONS IN CARDIAC DISEASES DISCRIMINATION. Journal of Mechanics in Medicine and Biology, 2020, 20, 2050052.	0.3	3
96	Protecting Disseminative Information in E-Learning. , 2007, , 554-565.		3
97	M-service and its framework. , 0, , .		2
98	A Study of white matter and skull inhomogeneous anisotropic tissue conductivities on EEG forward head modeling. , 2008, , .		2
99	A Statistical Framework for Classifying Epileptic Seizure from Multi-category EEG Signals. Health Information Science, 2016, , 99-125.	0.3	2
100	Injecting Principal Component Analysis with the OA Scheme in the Epileptic EEG Signal Classification. Health Information Science, 2016, , 127-150.	0.3	2
101	A novel empirical wavelet SODP and spectral entropy based index for assessing the depth of anaesthesia. Health Information Science and Systems, 2022, 10, .	3.4	2
102	De-noising a raw EEG signal and measuring depth of anaesthesia for general anaesthesia patients. , 2010, , .		1
103	An improved Chaos method for monitoring the depth of anaesthesia. , 2013, , .		1
104	Comparative Study: Motor Area EEG and All-Channels EEG. Health Information Science, 2016, , 211-225.	0.3	1
105	Random Sampling in the Detection of Epileptic EEG Signals. Health Information Science, 2016, , 65-82.	0.3	1
106	Cross-Correlation Aided Logistic Regression Model for the Identification of Motor Imagery EEG Signals in BCI Applications. Health Information Science, 2016, , 153-172.	0.3	1
107	Study on Orthogonal Basis NN-Based Storage Modelling for Lake Hume of Upper Murray River, Australia. Communications in Computer and Information Science, 2014, , 431-441.	0.4	1
108	Constructing head models by computation. IEEE Engineering in Medicine and Biology Magazine, 2000, 19, 82-87.	1.1	0

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109	Non-layered human head model for EEG. , 0, , .		0
110	An Approach of Context Ontology for Robust Face Recognition Against Illumination Variations. , 2007, , .		0
111	Tumor-induced effects on PO2 distribution in a normal tissue. , 2012, , .		0
112	Improving Prospective Performance in MI Recognition: LS-SVM with Tuning Hyper Parameters. Health Information Science, 2016, , 189-209.	0.3	0
113	Optimum Allocation Aided NaÃ¯ve Bayes Based Learning Process for the Detection of MI Tasks. Health Information Science, 2016, , 227-243.	0.3	0
114	Summary Discussion on the Methods, Future Directions and Conclusions. Health Information Science, 2016, , 247-256.	0.3	0
115	Modified CC-LR Algorithm for Identification of MI-Based EEG Signals. Health Information Science, 2016, , 173-188.	0.3	0
116	Objectives and Structures of the Book. Health Information Science, 2016, , 43-61.	0.3	0
117	Monitoring the Depth of Anesthesia Using Discrete Wavelet Transform and Power Spectral Density. Lecture Notes in Computer Science, 2009, , 350-357.	1.0	0
118	Autism Spectrum Disorder: Brain Images and Registration. Lecture Notes in Computer Science, 2016, , 136-146.	1.0	0
119	IRS-HD: An Intelligent Personalized Recommender System for Heart Disease Patients in a Tele-Health Environment. Lecture Notes in Computer Science, 2016, , 803-806.	1.0	0
120	A Preliminary Study of the Impact of Lateral Head Orientations on the Current Distributions During tDCS. Lecture Notes in Computer Science, 2019, , 254-264.	1.0	0