# Yan Li

## List of Publications by Year
in descending order

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

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | 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 |
| 2 | Numerical investigation of the energy distribution of Low-intensity transcranial focused ultrasound neuromodulation for hippocampus. Ultrasonics, 2022, 124, 106724. | 2.1 | 6 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | Rules-Based and SVM-Q Methods With Multitapers and Convolution for Sleep EEG Stages Classification. IEEE Access, 2022, 10, 71299-71310. | 2.6 | 5 |
| 7 | 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 |
| 8 | A novel spectral entropy-based index for assessing the depth of anaesthesia. Brain Informatics, 2021, 8, 10. | 1.8 | 7 |
| 9 | 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 |
| 10 | A Novel Permutation Entropy-Based EEG Channel Selection for Improving Epileptic Seizure Prediction. Sensors, 2021, 21, 7972. | 2.1 | 16 |
| 11 | 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 |
| 12 | EEG sleep stages identification based on weighted undirected complex networks. Computer Methods and Programs in Biomedicine, 2020, 184, 105116. | 2.6 | 45 |
| 13 | Developing Learning-Based Preprocessing Methods for Detecting Complicated Vehicle Licence Plates. IEEE Access, 2020, 8, 170951-170966. | 2.6 | 7 |
| 14 | MULTISCALE ENTROPY ALGORITHMS AND THEIR APPLICATIONS IN CARDIAC DISEASES DISCRIMINATION. Journal of Mechanics in Medicine and Biology, 2020, 20, 2050052. | 0.3 | 3 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|---|---------|----|-----------| 
| 19 | 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 |
| 20 | 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 |
| 21 | Epileptic seizures detection in EEGs blending frequency domain with information gain technique. Soft Computing, 2019, 23, 227-239. | 2.1 | 43 |
| 22 | 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 |
| 23 | Detecting sleep spindles in EEGs using wavelet fourier analysis and statistical features. Biomedical Signal Processing and Control, 2019, 48, 80-92. | 3.5 | 19 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | Complex networks approach for depth of anesthesia assessment. Measurement: Journal of the International Measurement Confederation, 2018, 119, 178-189. | 2.5 | 22 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | Epileptic EEG signal classification using optimum allocation based power spectral density estimation. IET Signal Processing, 2018, 12, 738-747. | 0.9 | 26 |
| 33 | Soil moisture forecasting by a hybrid machine learning technique: ELM integrated with ensemble empirical mode decomposition. Geoderma, 2018, 330, 136-161. | 2.3 | 149 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|---|---------|----|-----------|
| 37 | An Efficient DDoS TCP Flood Attack Detection and Prevention System in a Cloud Environment. IEEE Access, 2017, , 1-1. | 2.6 | 50 |
| 38 | Classify epileptic EEG signals using weighted complex networks based community structure detection. Expert Systems With Applications, 2017, 90, 87-100. | 4.4 | 70 |
| 39 | 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 |
| 40 | 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 |
| 41 | Complex networks approach for EEG signal sleep stages classification. Expert Systems With Applications, 2016, 63, 241-248. | 4.4 | 73 |
| 42 | Improving Prospective Performance in MI Recognition: LS-SVM with Tuning Hyper Parameters. Health Information Science, 2016, , 189-209. | 0.3 | 0 |
| 43 | Comparative Study: Motor Area EEG and All-Channels EEG. Health Information Science, 2016, , 211-225. | 0.3 | 1 |
| 44 | Optimum Allocation Aided NaÃ¯ve Bayes Based Learning Process for the Detection of MI Tasks. Health Information Science, 2016, , 227-243. | 0.3 | 0 |
| 45 | Summary Discussion on the Methods, Future Directions and Conclusions. Health Information Science, 2016, , 247-256. | 0.3 | 0 |
| 46 | Random Sampling in the Detection of Epileptic EEG Signals. Health Information Science, 2016, , 65-82. | 0.3 | 1 |
| 47 | A Statistical Framework for Classifying Epileptic Seizure from Multi-category EEG Signals. Health Information Science, 2016, , 99-125. | 0.3 | 2 |
| 48 | Injecting Principal Component Analysis with the OA Scheme in the Epileptic EEG Signal Classification. Health Information Science, 2016, , 127-150. | 0.3 | 2 |
| 49 | Modified CC-LR Algorithm for Identification of MI-Based EEG Signals. Health Information Science, 2016, , 173-188. | 0.3 | 0 |
| 50 | 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 |
| 51 | Significance of EEG Signals in Medical and Health Research. Health Information Science, 2016, , 23-41. | 0.3 | 13 |
| 52 | EEG Signal Analysis and Classification. Health Information Science, 2016, , . | 0.3 | 86 |
| 53 | Objectives and Structures of the Book. Health Information Science, 2016, , 43-61. | 0.3 | 0 |
| 54 | 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 |

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|---|---------|----|-----------|
| 55 | Classification of epileptic EEG signals based on simple random sampling and sequential feature selection. Brain Informatics, 2016, 3, 85-91. | 1.8 | 73 |
| 56 | 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 |
| 57 | An intelligent recommender system based onÂpredictive analysis in telehealthcare environment. Web Intelligence, 2016, 14, 325-336. | 0.1 | 20 |
| 58 | 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 |
| 59 | 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 |
| 60 | Data selection in EEG signals classification. Australasian Physical and Engineering Sciences in Medicine, 2016, 39, 157-165. | 1.4 | 9 |
| 61 | 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 |
| 62 | Autism Spectrum Disorder: Brain Images and Registration. Lecture Notes in Computer Science, 2016, , 136-146. | 1.0 | 0 |
| 63 | 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 |
| 64 | An Intelligent Recommender System Based on Short-Term Risk Prediction for Heart Disease Patients. , 2015, , . | | 24 |
| 65 | 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 |
| 66 | 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 |
| 67 | Discriminating the brain activities for brainâ€"computer interface applications through the optimal allocation-based approach. Neural Computing and Applications, 2015, 26, 799-811. | 3.2 | 49 |
| 68 | 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 |
| 69 | 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 |
| 70 | 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 |
| 71 | Monitoring the depth of anaesthesia using Hurst exponent and Bayesian methods. IET Signal Processing, 2014, 8, 907-917. | 0.9 | 10 |
| 72 | Analysis of alcoholic EEG signals based on horizontal visibility graph entropy. Brain Informatics, 2014, 1, 19-25. | 1.8 | 64 |

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| 73 | 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 |
| 74 | Modified CC-LR algorithm with three diverse feature sets for motor imagery tasks classification in EEG based brain–computer interface. Computer Methods and Programs in Biomedicine, 2014, 113, 767-780. | 2.6 | 76 |
| 75 | 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 |
| 76 | Depth of anaesthesia monitors and the latest algorithms. Asian Pacific Journal of Tropical Medicine, 2014, 7, 429-437. | 0.4 | 22 |
| 77 | A novel statistical algorithm for multiclass EEG signal classification. Engineering Applications of Artificial Intelligence, 2014, 34, 154-167. | 4.3 | 59 |
| 78 | 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 |
| 79 | 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 |
| 80 | 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 |
| 81 | An improved Chaos method for monitoring the depth of anaesthesia. , 2013, , . | | 1 |
| 82 | 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 |
| 83 | Epileptogenic focus detection in intracranial EEG based on delay permutation entropy. AIP Conference Proceedings, 2013, , . | 0.3 | 68 |
| 84 | Improving the Separability of Motor Imagery EEG Signals Using a Cross Correlation-Based Least Square Support Vector Machine for Brain–Computer Interface. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 526-538. | 2.7 | 171 |
| 85 | An Efficient Visibility Graph Similarity Algorithm and Its Application on Sleep Stages Classification. Lecture Notes in Computer Science, 2012, , 185-195. | 1.0 | 15 |
| 86 | Tumor-induced effects on PO2 distribution in a normal tissue. , 2012, , . | | 0 |
| 87 | Analysing epileptic EEGs with a visibility graph algorithm. , 2012, , . | | 10 |
| 88 | 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 |
| 89 | Developing a logistic regression model with cross-correlation for motor imagery signal recognition. , 2011, , . | | 15 |
| 90 | 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 |

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| 91 | 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 |
| 92 | Twin rotor system modeling, de-coupling and optimal control. , 2011, , . | | 12 |
| 93 | 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 |
| 94 | 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 |
| 95 | 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 |
| 96 | An Improved Detrended Moving-Average Method for Monitoring the Depth of Anesthesia. IEEE Transactions on Biomedical Engineering, 2010, 57, 2369-2378. | 2.5 | 41 |
| 97 | Comparison of Extended and Unscented Kalman Filters applied to EEG signals. , 2010, , . | | 5 |
| 98 | De-noising a raw EEG signal and measuring depth of anaesthesia for general anaesthesia patients. , 2010, , . | | 1 |
| 99 | Improvement of the Accuracy of InSAR Image Co-Registration Based On Tie Points â€“ A Review. Sensors, 2009, 9, 1259-1281. | 2.1 | 11 |
| 100 | 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 |
| 101 | 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 |
| 102 | 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 |
| 103 | EEG Analysis on Skull Conductivity Perturbations Using Realistic Head Model. Lecture Notes in Computer Science, 2009, , 208-215. | 1.0 | 4 |
| 104 | Classification of EEG Signals Using Sampling Techniques and Least Square Support Vector Machines. Lecture Notes in Computer Science, 2009, , 375-382. | 1.0 | 30 |
| 105 | Estimation of Mutual Information: A Survey. Lecture Notes in Computer Science, 2009, , 389-396. | 1.0 | 75 |
| 106 | Using Usage Control to Access XML Databases. International Journal of Information Systems in the Service Sector, 2009, 1, 32-44. | 0.2 | 8 |
| 107 | Monitoring the Depth of Anesthesia Using Discrete Wavelet Transform and Power Spectral Density. Lecture Notes in Computer Science, 2009, , 350-357. | 1.0 | 0 |
| 108 | Tension control of a winding machine for rectangular coils. , 2008, , . | | 7 |

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| 109 | Effects of white matter on EEG of multi-layered spherical head models. , 2008, , . | | 3 |
| 110 | A Study of white matter and skull inhomogeneous anisotropic tissue conductivities on EEG forward head modeling. , 2008, , . | | 2 |
| 111 | XML and web services security. , 2008, , . | | 3 |
| 112 | Image Classification Using Wavelet Coefficients in Low-pass Bands. Neural Networks (IJCNN), International Joint Conference on, 2007, , . | 0.0 | 15 |
| 113 | Service-mining Based on the Knowledge and Customer Databases. , 2007, , . | | 4 |
| 114 | An Approach of Context Ontology for Robust Face Recognition Against Illumination Variations. , 2007, , . | | 0 |
| 115 | Protecting Disseminative Information in E-Learning. , 2007, , 554-565. | | 3 |
| 116 | Leaf Vein Extraction Using Independent Component Analysis. , 2006, , . | | 41 |
| 117 | Methods for the blind signal separation problem. , 2003, , . | | 7 |
| 118 | Constructing head models by computation. IEEE Engineering in Medicine and Biology Magazine, 2000, 19, 82-87. | 1.1 | 0 |
| 119 | Non-layered human head model for EEG. , 0, , . | | 0 |
| 120 | M-service and its framework. , 0, , . | | 2 |