Yunfeng Wu

List of Publications by Year
in descending order

81 papers	1,916 citations	257101 24 h-index	264894 42 g-index
86 all docs	86 docs citations	86 times ranked	1492 citing authors

#	Article	IF	Citations
1	LibD3C: Ensemble classifiers with a clustering and dynamic selection strategy. Neurocomputing, 2014, 123, 424-435.	3.5	227
2	nDNA-prot: identification of DNA-binding proteins based on unbalanced classification. BMC Bioinformatics, 2014, 15, 298.	1.2	158
3	Statistical Analysis of Gait Rhythm in Patients With Parkinson's Disease. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2010, 18, 150-158.	2.7	121
4	miRClassify: An advanced web server for miRNA family classification and annotation. Computers in Biology and Medicine, 2014, 45, 157-160.	3.9	101
5	Screening of knee-joint vibroarthrographic signals using statistical parameters and radial basis functions. Medical and Biological Engineering and Computing, 2008, 46, 223-232.	1.6	93
6	An Approach for Identifying Cytokines Based on a Novel Ensemble Classifier. BioMed Research International, 2013, 2013, 1-11.	0.9	76
7	Analysis of Vibroarthrographic Signals with Features Related to Signal Variability and Radial-Basis Functions. Annals of Biomedical Engineering, 2009, 37, 156-163.	1.3	72
8	Filtering electrocardiographic signals using an unbiased and normalized adaptive noise reduction system. Medical Engineering and Physics, 2009, 31, 17-26.	0.8	72
9	Fractal analysis of knee-joint vibroarthrographic signals via power spectral analysis. Biomedical Signal Processing and Control, 2013, 8, 23-29.	3.5	72
10	Measuring signal fluctuations in gait rhythm time series of patients with Parkinson's disease using entropy parameters. Biomedical Signal Processing and Control, 2017, 31, 265-271.	3.5	55
11	Screening of knee-joint vibroarthrographic signals using probability density functions estimated with Parzen windows. Biomedical Signal Processing and Control, 2010, 5, 53-58.	3.5	54
12	Analysis of altered gait cycle duration in amyotrophic lateral sclerosis based on nonparametric probability density function estimation. Medical Engineering and Physics, 2011, 33, 347-355.	0.8	54
13	Computer-aided analysis of gait rhythm fluctuations in amyotrophic lateral sclerosis. Medical and Biological Engineering and Computing, 2009, 47, 1165-1171.	1.6	53
14	An Empirical Study of Features Fusion Techniques for Protein-Protein Interaction Prediction. Current Bioinformatics, 2016, 11, 4-12.	0.7	52
15	Briefing in family characteristics of microRNAs and their applications in cancer research. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 191-197.	1.1	51
16	Combining least-squares support vector machines for classification of biomedical signals: a case study with knee-joint vibroarthrographic signals. Journal of Experimental and Theoretical Artificial Intelligence, 2011, 23, 63-77.	1.8	46
17	Effective Dysphonia Detection Using Feature Dimension Reduction and Kernel Density Estimation for Patients with Parkinsonâ€™s Disease. PLoS ONE, 2014, 9, e88825.	1.1	44
18	Computer-Aided Diagnosis of Knee-Joint Disorders via Vibroarthrographic Signal Analysis: A Review. Critical Reviews in Biomedical Engineering, 2010, 38, 201-224.	0.5	40

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19	Classification of Knee Joint Vibration Signals Using Bivariate Feature Distribution Estimation and Maximal Posterior Probability Decision Criterion. Entropy, 2013, 15, 1375-1387.	1.1	40
20	Representation of fluctuation features in pathological knee joint vibroarthrographic signals using kernel density modeling method. Medical Engineering and Physics, 2014, 36, 1305-1311.	0.8	40
21	Knee Joint Vibration Signal Analysis with Matching Pursuit Decomposition and Dynamic Weighted Classifier Fusion. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-11.	0.7	39
22	Removal of artifacts in knee joint vibroarthrographic signals using ensemble empirical mode decomposition and detrended fluctuation analysis. Physiological Measurement, 2014, 35, 429-439.	1.2	39
23	Quantification of knee vibroarthrographic signal irregularity associated with patellofemoral joint cartilage pathology based on entropy and envelope amplitude measures. Computer Methods and Programs in Biomedicine, 2016, 130, 1-12.	2.6	35
24	Dysphonic Voice Pattern Analysis of Patients in Parkinson's Disease Using Minimum Interclass Probability Risk Feature Selection and Bagging Ensemble Learning Methods. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-11.	0.7	24
25	Neural network fusion strategies for identifying breast masses. , 0, , .		20
26	Knee Joint Vibroarthrographic Signal Processing and Analysis. SpringerBriefs in Bioengineering, 2015, , .	0.8	18
27	Statistical Analysis of Gait Maturation in Children Using Nonparametric Probability Density Function Modeling. Entropy, 2013, 15, 753-766.	1.1	13
28	Breast Cancer Diagnosis Using Neural-Based Linear Fusion Strategies. Lecture Notes in Computer Science, 2006, , 165-175.	1.0	12
29	Adaptive Linear and Normalized Combination of Radial Basis Function Networks for Function Approximation and Regression. Mathematical Problems in Engineering, 2014, 2014, 1-14.	0.6	11
30	An Unbiased Linear Artificial Neural Network with Normalized Adaptive Coefficients for Filtering Noisy ECG Signals. , 2007, , .		10
31	Classification of knee-joint vibroarthrographic signals using time-domain and time-frequency domain features and least-squares support vector machine. , 2009, , .		10
32	Detrending knee joint vibration signals with a cascade moving average filter. , 2012, 2012, 4357-60.		10
33	Recent Advanced Deep Learning Architectures for Retinal Fluid Segmentation on Optical Coherence Tomography Images. Sensors, 2022, 22, 3055.	2.1	9
34	Fusing output information in neural networks: ensemble performs better. , 0, , .		8
35	An Algorithm for Evaluating the Performance of Adaptive Filters for the Removal of Artifacts in ECG Signals. , 2007, , .		8
36	BME education program at the EMBS student club of Beijing University of Posts and Telecommunications. , 0, , .		7

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37	Modeling and classification of knee-joint vibroarthrographic signals using probability density functions estimated with Parzen windows. , 2008, 2008, 2099-102.		7
38	Classification of knee joint vibroarthrographic signals using k-nearest neighbor algorithm. , 2014, , .		7
39	Analysis of Knee-Joint Vibroarthrographic Signals Using Statistical Measures. Proceedings of the IEEE Symposium on Computer-Based Medical Systems, 2007, , .	0.0	6
40	An adaptive classifier fusion method for analysis of knee-joint vibroarthrographic signals. , 2009, , .		6
41	Analysis and Classification of Stride Patterns Associated with Children Development Using Gait Signal Dynamics Parameters and Ensemble Learning Algorithms. BioMed Research International, 2016, 2016, 1-8.	0.9	6
42	Linear decision fusions in multilayer perceptrons for breast cancer diagnosis. , 2005, , .		5
43	Bagging.LMS: A Bagging-based Linear Fusion with Least-Mean-Square Error Update for Regression. , 2006, , .		5
44	Statistical analysis of gait maturation in children based on probability density functions. , 2011, 2011, 1652-5.		5
45	Unbiased Linear Neural-Based Fusion with Normalized Weighted Average Algorithm for Regression. Lecture Notes in Computer Science, 2007, , 664-670.	1.0	5
46	An Artificial-Neural-Network-Based Multiple Classifier System for Knee-Joint Vibration Signal Classification. Lecture Notes in Electrical Engineering, 2011, , 235-242.	0.3	5
47	An Unbiased Linear Adaptive Filter with Normalized Coefficients for the Removal of Noise in Electrocardiographic Signals. International Journal of Cognitive Informatics and Natural Intelligence, 2009, 3, 73-90.	0.4	5
48	Biomedical industry skills education program at IEEE EMBS student club of Beijing University of posts and telecommunications. , 0, , .		4
49	Cancellation of Artifacts in ECG Signals Using a Normalized Adaptive Neural Filter. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2552-5.	0.5	4
50	Screening of knee-joint vibroarthrographic signals using parameters of activity and radial-basis functions. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	4
51	A PDF-based classification of gait cadence patterns in patients with amyotrophic lateral sclerosis. , 2010, 2010, 1304-7.		4
52	Classification of Dysphonic Voices in Parkinson's Disease with Semi-Supervised Competitive Learning Algorithm. Biosensors, 2022, 12, 502.	2.3	4
53	Maxi Program at IEEE EMBS Student Club of Beijing University of Posts and Telecommunications. , 2004, 2004, 5192-5.		3
54	Collaborative learning program of IEEE EMBS student branch chapter at BUPT. , 0, , .		3

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55	Linear Least-Squares Fusion of Multilayer Perceptrons for Protein Localization Sites Prediction. , 0, , .		3
56	Convergence Analysis of Generalized Back-propagation Algorithm with Modified Gradient Function. , 2006, , .		3
57	Combining Neural Learners with the Naive Bayes Fusion Rule for Breast Tissue Classification. , 2007, , .		3
58	Design and Performance Analysis of Multilevel Code-Shifted M -Ary Differential Chaos Shift Keying System. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1257-1261.	2.2	3
59	Biological Signal Processing and Analysis for Healthcare Monitoring. Sensors, 2022, 22, 5341.	2.1	3
60	Manufacturing Student Leaders and Cultivating Six Ingredients for Success of an EMBS Student Organization. , 2005, 2005, 2395-8.		2
61	Breast Tissue Classification Based on Unbiased Linear Fusion of Neural Networks with Normalized Weighted Average Algorithm. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	2
62	Identification of abnormal knee joint vibroarthrographic signals based on fluctuation features. , 2014, , .		2
63	Noise Cancellation in ECG Signals with an Unbiased Adaptive Filter. , 2011, , 348-366.		2
64	A Bootstrap-based Linear Classifier Fusion System for Protein Subcellular Location Prediction. , 2006, 2006, 4229-32.		1
65	Filtering of Noise in Electrocardiographic Signals Using An Unbiased and Normalized Adaptive Artifact Cancellation System. , 2007, , .		1
66	Effective collaborative learning in biomedical education using a web-based infrastructure. , 2012, 2012, 5070-3.		1
67	A gait cadence measurement method based on match filter and turns detection for human locomotion monitoring. , 2012, , .		1
68	Forward autoregressive modeling for stride process analysis in patients with idiopathic Parkinson's disease. , 2015, , .		1
69	Statistical Modeling in Biomedical Engineering. , 2019, , 164-176.		1
70	Semi-Supervised Learning Based on Competitive Prototype Seeds Selection for Phonation Detection of Patients with Parkinsonâ€™s Disease. , 2021, , .		1
71	Signal Acquisition and Preprocessing. SpringerBriefs in Bioengineering, 2015, , 17-31.	0.8	1
72	Convergence Analysis of Generalized Back-propagation Algorithm with Modified Gradient Function. , 0, , .		0

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73	A wavelet method for the noise reduction in electrocardiographic signals. , 2007, , .		0
74	Combining neural-based regression predictors using an unbiased and normalized linear ensemble model. , 2008, , .		0
75	Adaptively fusing neural network predictors toward higher accuracy: A case study. , 2009, , .		0
76	Extended student quality improvement programs of Xiamen University. , 2014, 2014, 5164-7.		0
77	Feature Computing and Signal Classifications. SpringerBriefs in Bioengineering, 2015, , 57-76.	0.8	0
78	SEPARATION AND IDENTIFICATION OF RHYTHM COMPONENTS OF LOCAL FIELD POTENTIAL SIGNALS IN AWAKE MICE USING ENSEMBLE EMPIRICAL MODE DECOMPOSITION. Biomedical Engineering - Applications, Basis and Communications, 2017, 29, 1750029.	0.3	0
79	Gender Equality: Progress and Challenges. Series in Biomedical Engineering, 2008, , 412-413.	0.5	0
80	Signal Analysis. SpringerBriefs in Bioengineering, 2015, , 33-55.	0.8	0
81	Summary and Research Directions. SpringerBriefs in Bioengineering, 2015, , 77-81.	0.8	0