SalÄ°h GuneÅž

List of Publications by Year
in descending order

65 papers	3,852 citations	236612 25 h-index	161609 54 g-index
67 all docs	67 docs citations	67 times ranked	3485 citing authors

#	Article	IF	Citations
1	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.	1.4	629
2	Breast cancer diagnosis using least square support vector machine. , 2007, 17, 694-701.		316
3	An expert system approach based on principal component analysis and adaptive neuro-fuzzy inference system to diagnosis of diabetes disease. , 2007, 17, 702-710.		309
4	A cascade learning system for classification of diabetes disease: Generalized Discriminant Analysis and Least Square Support Vector Machine. Expert Systems With Applications, 2008, 34, 482-487.	4.4	243
5	A novel hybrid intelligent method based on C4.5 decision tree classifier and one-against-all approach for multi-class classification problems. Expert Systems With Applications, 2009, 36, 1587-1592.	4.4	205
6	Efficient sleep stage recognition system based on EEG signal using k-means clustering based feature weighting. Expert Systems With Applications, 2010, 37, 7922-7928.	4.4	188
7	A new hybrid method based on fuzzy-artificial immune system and -nn algorithm for breast cancer diagnosis. Computers in Biology and Medicine, 2007, 37, 415-423.	3.9	165
8	Detection of ECG Arrhythmia using a differential expert system approach based on principal component analysis and least square support vector machine. Applied Mathematics and Computation, 2007, 186, 898-906.	1.4	116
9	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.	4.4	110
10	Automatic detection of heart disease using an artificial immune recognition system (AIRS) with fuzzy resource allocation mechanism and k-nn (nearest neighbour) based weighting preprocessing. Expert Systems With Applications, 2007, 32, 625-631.	4.4	108
11	A new method to medical diagnosis: Artificial immune recognition system (AIRS) with fuzzy weighted pre-processing and application to ECG arrhythmia. Expert Systems With Applications, 2006, 31, 264-269.	4.4	101
12	Principles component analysis, fuzzy weighting pre-processing and artificial immune recognition system based diagnostic system for diagnosis of lung cancer. Expert Systems With Applications, 2008, 34, 214-221.	4.4	94
13	Breast cancer and liver disorders classification using artificial immune recognition system (AIRS) with performance evaluation by fuzzy resource allocation mechanism. Expert Systems With Applications, 2007, 32, 172-183.	4.4	83
14	Diagnosis of heart disease using artificial immune recognition system and fuzzy weighted pre-processing. Pattern Recognition, 2006, 39, 2186-2193.	5.1	82
15	A novel hybrid method based on artificial immune recognition system (AIRS) with fuzzy weighted pre-processing for thyroid disease diagnosis. Expert Systems With Applications, 2007, 32, 1141-1147.	4.4	75
16	A hybrid approach to medical decision support systems: Combining feature selection, fuzzy weighted pre-processing and AIRS. Computer Methods and Programs in Biomedicine, 2007, 88, 164-174.	2.6	62
17	Attribute weighting via genetic algorithms for attribute weighted artificial immune system (AWAIS) and its application to heart disease and liver disorders problems. Expert Systems With Applications, 2009, 36, 386-392.	4.4	60
18	The Medical Applications of Attribute Weighted Artificial Immune System (AWAIS): Diagnosis of Heart and Diabetes Diseases. Lecture Notes in Computer Science, 2005, , 456-468.	1.0	57

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19	A new medical decision making system: Least square support vector machine (LSSVM) with Fuzzy Weighting Pre-processing. Expert Systems With Applications, 2007, 32, 409-414.	4.4	57
20	Medical application of information gain based artificial immune recognition system (AIRS): Diagnosis of thyroid disease. Expert Systems With Applications, 2009, 36, 3086-3092.	4.4	55
21	Computer aided diagnosis of ECG data on the least square support vector machine. , 2008, 18, 25-32.		54
22	Hepatitis disease diagnosis using a new hybrid system based on feature selection (FS) and artificial immune recognition system with fuzzy resource allocation. , 2006, 16, 889-901.		50
23	Multi-class f-score feature selection approach to classification of obstructive sleep apnea syndrome. Expert Systems With Applications, 2010, 37, 998-1004.	4.4	42
24	A hybrid medical decision making system based on principles component analysis, k-NN based weighted pre-processing and adaptive neuro-fuzzy inference system. , 2006, 16, 913-921.		40
25	The effect to diagnostic accuracy of decision tree classifier of fuzzy and k-NN based weighted pre-processing methods to diagnosis of erythemato-squamous diseases. , 2006, 16, 922-930.		39
26	Sleep spindles recognition system based on time and frequency domain features. Expert Systems With Applications, 2011, 38, 2455-2461.	4.4	37
27	A New Classification Method for Breast Cancer Diagnosis: Feature Selection Artificial Immune Recognition System (FS-AIRS). Lecture Notes in Computer Science, 2005, , 830-838.	1.0	35
28	Comparison of Different Classifier Algorithms on the Automated Detection of Obstructive Sleep Apnea Syndrome. Journal of Medical Systems, 2008, 32, 243-250.	2.2	34
29	Medical decision support system based on artificial immune recognition immune system (AIRS), fuzzy weighted pre-processing and feature selection. Expert Systems With Applications, 2007, 33, 484-490.	4.4	31
30	Computer aided medical diagnosis system based on principal component analysis and artificial immune recognition system classifier algorithm. Expert Systems With Applications, 2008, 34, 773-779.	4.4	29
31	Prediction of hepatitis disease based on principal component analysis and artificial immune recognition system. Applied Mathematics and Computation, 2007, 189, 1282-1291.	1.4	26
32	A novel approach to estimation of E. coli promoter gene sequences: Combining feature selection and least square support vector machine (FS_LSSVM). Applied Mathematics and Computation, 2007, 190, 1574-1582.	1.4	25
33	Ensemble adaptive network-based fuzzy inference system with weighted arithmetical mean and application to diagnosis of optic nerve disease from visual-evoked potential signals. Artificial Intelligence in Medicine, 2008, 43, 141-149.	3.8	20
34	Use of Kernel Functions in Artificial Immune Systems for the Nonlinear Classification Problems. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 621-628.	3.6	20
35	Automated identification of diseases related to lymph system from lymphography data using artificial immune recognition system with fuzzy resource allocation mechanism (fuzzy-AIRS). Biomedical Signal Processing and Control, 2006, 1, 253-260.	3.5	19
36	Pattern Detection of Atherosclerosis from Carotid Artery Doppler Signals using Fuzzy Weighted Pre-Processing and Least Square Support Vector Machine (LSSVM). Annals of Biomedical Engineering, 2007, 35, 724-732.	1.3	18

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37	A new method to forecast of Escherichia coli promoter gene sequences: Integrating feature selection and Fuzzy-AIRS classifier system. Expert Systems With Applications, 2009, 36, 57-64.	4.4	18
38	A New Classifier Based on Attribute Weighted Artificial Immune System (AWAIS). Lecture Notes in Computer Science, 2004, , 11-20.	1.0	17
39	Medical application of Artificial Immune Recognition System (AIRS): Diagnosis of atherosclerosis from carotid artery Doppler signals. Computers in Biology and Medicine, 2007, 37, 1092-1099.	3.9	16
40	Effect of feature-type in selecting distance measure for an artificial immune system as a pattern recognizer. , 2008, 18, 635-645.		15
41	Pairwise ANFIS Approach to Determining the Disorder Degree of Obstructive Sleep Apnea Syndrome. Journal of Medical Systems, 2008, 32, 379-387.	2.2	14
42	Medical diagnosis of rheumatoid arthritis disease from right and left hand Ulnar artery Doppler signals using adaptive network based fuzzy inference system (ANFIS) and MUSIC method. Advances in Engineering Software, 2010, 41, 1295-1301.	1.8	14
43	The effect of generalized discriminate analysis (GDA) to the classification of optic nerve disease from VEP signals. Computers in Biology and Medicine, 2008, 38, 62-68.	3.9	13
44	Medical application of information gain-based artificial immune recognition system (IG-AIRS): Classification of microorganism species. Expert Systems With Applications, 2009, 36, 5168-5172.	4.4	13
45	A new supervised classification algorithm in artificial immune systems with its application to carotid artery Doppler signals to diagnose atherosclerosis. Computer Methods and Programs in Biomedicine, 2007, 88, 246-255.	2.6	12
46	Usage of class dependency based feature selection and fuzzy weighted pre-processing methods on classification of macular disease. Expert Systems With Applications, 2009, 36, 2584-2591.	4.4	12
47	Utilization of Discretization method on the diagnosis of optic nerve disease. Computer Methods and Programs in Biomedicine, 2008, 91, 255-264.	2.6	11
48	Prediction of cardiac end-systolic and end-diastolic diameters in m-mode values using adaptive neural fuzzy inference system. Expert Systems With Applications, 2010, 37, 5720-5727.	4.4	9
49	Prediction of Aortic Diameter Values in Healthy Turkish Infants, Children, and Adolescents by Using Artificial Neural Network. Journal of Medical Systems, 2009, 33, 379-388.	2.2	8
50	Artificial 3-D contactless measurement in orthognathic surgery with binocular stereo vision. Applied Soft Computing Journal, 2016, 41, 505-514.	4.1	7
51	A Novel Approach to Resource Allocation Mechanism in Artificial Immune Recognition System: Fuzzy Resource Allocation Mechanism and Application to Diagnosis of Atherosclerosis Disease. Lecture Notes in Computer Science, 2006, , 244-255.	1.0	6
52	Analysis and design of a transimpedance amplifier based front-end circuit for capacitance measurements. SN Applied Sciences, 2020, 2, 1.	1.5	6
53	A New Approach to Diagnosing of Importance Degree of Obstructive Sleep Apnea Syndrome: Pairwise AIRS and Fuzzy-AIRS Classifiers. Journal of Medical Systems, 2008, 32, 489-497.	2.2	4
54	Usage of a novel, similarity-based weighting method to diagnose atherosclerosis from carotid artery Doppler signals. Medical and Biological Engineering and Computing, 2008, 46, 353-362.	1.6	4

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55	Comparison of different classifier algorithms for diagnosing macular and optic nerve diseases. Expert Systems, 2009, 26, 22-34.	2.9	4
56	Artificial Immune Recognition System Based Classifier Ensemble on the Different Feature Subsets for Detecting the Cardiac Disorders from SPECT Images. Lecture Notes in Computer Science, 2007, , 45-53.	1.0	3
57	Microcontroller Compatible Sealed Lead Acid Battery Remaining Energy Prediction Using Adaptive Neural Fuzzy Inference System. , 2009, , .		2
58	Automated elimination of EOG artifacts in sleep EEG using regression method. Turkish Journal of Electrical Engineering and Computer Sciences, 0, , .	0.9	2
59	Performance evolution of a newly developed general-use hybrid AIS-ANN system: AaA-response. Turkish Journal of Electrical Engineering and Computer Sciences, 2013, 21, 1703-1719.	0.9	1
60	Outdoor Image Classification Using Artificial Immune Recognition System (AIRS) with Performance Evaluation by Fuzzy Resource Allocation Mechanism. Lecture Notes in Computer Science, 2005, , 81-87.	1.0	1
61	A Hybrid Automated Detection System Based on Least Square Support Vector Machine Classifier and k-NN Based Weighted Pre-processing for Diagnosing of Macular Disease. Lecture Notes in Computer Science, 2007, , 338-345.	1.0	1
62	Prediction of E.Coli Promoter Gene Sequences Using a Hybrid Combination Based on Feature Selection, Fuzzy Weighted Pre-processing, and Decision Tree Classifier. , 2007, , 125-131.		1
63	A Lossy Capacitance Measurement Circuit Based on Analog Lock-in Detection. Elektronika Ir Elektrotechnika, 2020, 26, 4-10.	0.4	1
64	Measuring the optimum lux value for more accurate measurement of stereo vision systems in operating room of Orthognathic surgery. , 2014, , .		0
65	New Data Pre-processing on Assessing of Obstructive Sleep Apnea Syndrome: Line Based Normalization Method (LBNM). Communications in Computer and Information Science, 2008, , 185-191.	0.4	0