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## Floating search methods in feature selection

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2278	.		3
2277	Feature selection by analyzing class regions approximated by ellipsoids. <b>1998</b> , 28, 282-287		11
2276	. <b>1998</b> , 13, 66-74		45
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2274	Feature Selection Methods. <b>1998</b> , 73-95		3
2273	Rotation-invariant texture characterization using isotropic wavelet frames. <b>1998</b> ,		
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2271	Selection of speaker independent feature for a speaker verification system.		
2270	Feature selection expert $\cup$ User oriented approach. <b>1998</b> , 573-582		
2269	MDL-based selection of the number of components in mixture models for pattern classification. <b>1998</b> , 831-836		15
2268	Non-linear mapping for feature extraction. <b>1998</b> , 823-830		2
2267	Feature selection for a nonlinear classifier. <b>1998</b> , 555-563		
2266	Feature Selection With Neural Networks. <b>1999</b> , 26, 145-166		57
2265	Advances in Intelligent Data Analysis. <b>1999</b> ,		6
2264	Texture analysis using 2D wavelet transform: theory and applications.		3
2263	Nearest neighbor classifier: Simultaneous editing and feature selection. <i>Pattern Recognition Letters</i> , <b>1999</b> , 20, 1149-1156	4.7	145
2262	Adaptive floating search methods in feature selection. <i>Pattern Recognition Letters</i> , <b>1999</b> , 20, 1157-1163	4.7	210
2261	Selection of variables for interpreting multivariate gas sensor data. <b>1999</b> , 381, 221-232		88
2260	Computer-assisted differential diagnosis of malignant mesothelioma based on syntactic structure analysis. <b>1999</b> , 35, 23-9		31
2259	Potential of artificial intelligence based feature selection methods in regression models.		1
2258	Statistical texture characterization from discrete wavelet representations. <b>1999</b> , 8, 592-8		370
2257	Improved face/spl times/non-face discrimination using Fourier descriptors through feature selection.		

2256	Feature Subset Selection by Bayesian network-based optimization. <b>2000</b> , 123, 157-184	165
2255	Comparison of algorithms that select features for pattern classifiers. <b>2000</b> , 33, 25-41	661
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2253	Evolutionary weighting of image features for diagnosing of CNS tumors. <b>2000</b> , 19, 25-38	23
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2251	A Framework for Classifier Fusion: Is It Still Needed?. <b>2000</b> , 45-56	20
2250	Genetic feature selection combined with composite fuzzy nearest neighbor classifiers for high-dimensional remote sensing data. <b>2000</b> ,	9
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2247	Shapes of features and a modified measure for linear discriminant analysis.	4
2246	A multiobjective evolutionary setting for feature selection and a commonality-based crossover operator.	50
2245	Adaptive Automatic Target Recognition with SVM Boosting for Outlier Detection. <b>2000</b> , 104-113	
2244	Dimensionality reduction using genetic algorithms. <b>2000</b> , 4, 164-171	533
2243	. <b>2000</b> , 4, 327-336	137
2242	Principles of Data Mining and Knowledge Discovery. <b>2000</b> ,	2
2241	Oscillating search algorithms for feature selection.	27
2240	Automated melanoma recognition. <b>2001</b> , 20, 233-9	404
2239	Image classification for content-based indexing. <b>2001</b> , 10, 117-30	430

2238	Toward machine emotional intelligence: analysis of affective physiological state. <b>2001</b> , 23, 1175-1191	1259
2237	A new search algorithm for feature selection in hyperspectral remote sensing images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2001</b> , 39, 1360-1367	8.1 218
2236	Improved minimum distance classification with Gaussian outlier detection for industrial inspection.	2
2235	.	44
2234	Knowledge discovery in biological data sets using a hybrid Bayes classifier/evolutionary algorithm. <b>2001</b> ,	2
2233	Feature Selection for Classification Using Genetic Algorithms with a Novel Encoding. <b>2001</b> , 161-168	10
2232	Comparison of low-contrast detail perception on storage phosphor radiographs and digital flat panel detector images. <b>2001</b> , 20, 239-42	19
2231	Fuzzy Markov chains approach to feature selection for high dimensional remote sensing data.	0
2230	ATR complexity and template set size. <b>2001</b> , 4382, 286	
2229	Biomarker identification by feature wrappers. <b>2001</b> , 11, 1878-87	202
2228	A new approach for spectral feature extraction and for unsupervised classification of hyperspectral data based on the Gaussian mixture model. <b>2001</b> , 20, 123-167	7
2227	Wavelet strategy for surface roughness analysis and characterisation. <b>2001</b> , 191, 829-842	36
2226	Feature subset selection by Bayesian networks: a comparison with genetic and sequential algorithms. <b>2001</b> , 27, 143-164	40
2225	Thresholding method for dimensionality reduction in recognition systems. <b>2001</b> , 47, 2903-2920	11
2224	Feature subset selection by genetic algorithms and estimation of distribution algorithms. A case study in the survival of cirrhotic patients treated with TIPS. <b>2001</b> , 23, 187-205	38
2223	Pairwise face recognition.	4
2222	Classification of hepatic lesions from CT images using texture features and neural networks.	0
2221	A neural network architecture for data classification. <b>2001</b> , 11, 33-42	11

2220	Advances in Pattern Recognition [CAPR 2001. <b>2001</b> ,	4
2219	Improving the accuracy of decision tree induction by feature preselection. <b>2001</b> , 15, 747-760	25
2218	A comparison of PCA and ICA for object recognition under varying illumination.	5
2217	Efficient subspace learning using a large scale neural network CombNet-II.	1
2216	Local search-embedded genetic algorithms for feature selection.	2
2215	Graph of neural networks for pattern recognition.	2
2214	Visual Inspection of Machined Metallic High-Precision Surfaces. <b>2002</b> , 2002, 1	31
2213	Feature Subset Selection by Estimation of Distribution Algorithms. <b>2002</b> , 269-293	5
2212	Active shape model segmentation with optimal features. <b>2002</b> , 21, 924-33	348
2211	The role of feature selection in artificial neural network applications. <b>2002</b> , 23, 2919-2937	76
2210	Pattern analysis for machine olfaction: a review. <b>2002</b> , 2, 189-202	384
2209	Fast orthogonal forward selection algorithm for feature subset selection. <b>2002</b> , 13, 1218-24	44
2208	Selecting features for neural network committees.	
2207	Multi-view face detection with FloatBoost.	5
2206	Real-time multi-view face detection.	30
2205	Creation of classifier ensembles for handwritten word recognition using feature selection algorithms.	18
2204	Person recognition through eigeneye selection based on fuzzy distance to multiple class prototypes.	
2203	Statistical Learning of Multi-view Face Detection. <b>2002</b> , 67-81	113

2202	A two-stage-classifier for defect classification in optical media inspection.		2
2201	Learning to detect multi-view faces in real-time.		7
2200	Generalized T2 test for genome association studies. <b>2002</b> , 70, 1257-68		111
2199	. <b>2002</b> , 24, 301-312		914
2198	References. 459-490		
2197	Model Selection by Predictive Validation. <b>2002</b> , 5, 245-260		1
2196	A Feature-Based Serial Approach to Classifier Combination. <b>2002</b> , 5, 385-398		20
2195	Texture feature coding method for classification of liver sonography. <b>2002</b> , 26, 33-42		69
2194	Genetic feature selection combined with composite fuzzy nearest neighbor classifiers for hyperspectral satellite imagery. <i>Pattern Recognition Letters</i> , <b>2002</b> , 23, 183-190	4.7	82
2193	Feature selection toolbox software package. <i>Pattern Recognition Letters</i> , <b>2002</b> , 23, 487-492	4.7	22
2192	Feature selection with neural networks. <i>Pattern Recognition Letters</i> , <b>2002</b> , 23, 1323-1335	4.7	169
2191	Feature selection using tabu search method. <b>2002</b> , 35, 701-711		170
2190	Feature analysis through information granulation and fuzzy sets. <b>2002</b> , 35, 825-834		71
2189	Image processing with neural networks—review. <b>2002</b> , 35, 2279-2301		618
2188	Feature selection toolbox. <b>2002</b> , 35, 2749-2759		16
2187	A color object recognition scheme: application to cellular sorting. <b>2003</b> , 14, 166-171		22
2186	A computer-aided diagnostic system to characterize CT focal liver lesions: design and optimization of a neural network classifier. <b>2003</b> , 7, 153-62		158
2185	Magnetic resonance imaging as a predictive tool for sensory characteristics and intramuscular fat content of dry-cured loin. <b>2003</b> , 83, 268-274		22

2184	Feature extraction by shape-adapted local discriminant bases. <b>2003</b> , 83, 359-376		20
2183	An improved branch and bound algorithm for feature selection. <i>Pattern Recognition Letters</i> , <b>2003</b> , 24, 1925-1933	4-7	72
2182	Feature learning with a genetic algorithm for fluorescence fingerprinting of plant species. <i>Pattern Recognition Letters</i> , <b>2003</b> , 24, 2663-2673	4-7	12
2181	Floating search algorithm for structure learning of Bayesian network classifiers. <i>Pattern Recognition Letters</i> , <b>2003</b> , 24, 2839-2848	4-7	16
2180	Real-time surface inspection by texture. <b>2003</b> , 9, 289-296		37
2179	Electronic nose for space program applications. <b>2003</b> , 93, 7-16		56
2178	Boosting object detection using feature selection.		3
2177	Knowledge discovery in medical and biological datasets using a hybrid Bayes classifier/evolutionary algorithm. <b>2003</b> , 33, 802-13		58
2176	Comparison of genetic algorithm and sequential search methods for classifier subset selection.		1
2175	Image and Video Retrieval. <b>2003</b> ,		2
2174	Steganalysis of audio based on audio quality metrics. <b>2003</b> ,		38
2173	Simultaneous feature selection and classifier training via linear programming: a case study for face expression recognition.		2
2172	A novel hybrid feature selection algorithm: using ReliefF estimation for GA-Wrapper search.		
2171	Problem of optimal pertinent parameter selection in buried conductive tag recognition.		1
2170	Evaluation in spatial resolution of denoised image in Fresnel transform imaging technique by zero-filling.		
2169	Modified Principal Component Analysis (MPCA) for feature selection of hyperspectral imagery.		
2168	Selecting training images with support vector machines for composite correlation filters in SAR ATR. <b>2003</b> , 5095, 292		
2167	Fast Feature Selection in an HMM-Based Multiple Classifier System for Handwriting Recognition. <b>2003</b> , 289-296		4



2166 Wavelet based feature reduction method for effective classification of hyperspectral data.

2165 Search-and-score structure learning algorithm for Bayesian network classifiers. **2003**, 5132, 231

2164 An Introduction to Pattern Classification. **2004**, 1-20

4

2163 Classification of hyperspectral images with support vector machines: multiclass strategies. **2004**,

4

2162 . **2004**,

1

2161 Feature selection using tabu search for improving the classification rate prostate needle biopsies. **2004**,

7

2160 W-operator window design by maximization of training data information.

1

2159 Robust feature selection by weighted Fisher criterion for multiclass prediction in gene expression profiling. **2004**,

2

2158 Feature selection from high-dimensional hyperspectral and polarimetric data for target detection. **2004**,

3

2157 Population classification based on structural morphometry of cortical sulci.

3

2156 Pollen classification using brightness-based and shape-based descriptors. **2004**,

16

2155 A wrapper-based approach to image segmentation and classification. **2004**,

1

2154 Joint feature-basis subset selection.

3

2153 An evaluation of ensemble methods in handwritten word recognition based on feature selection. **2004**,

6

2152 Prosody-based recognition of spoken German varieties.

2151 Automated selection of vision operator libraries with evolutionary algorithms.

0

2150 BACK MATTER. **2004**, 305-331

2149 GENE SELECTION FOR CANCER CLASSIFICATION USING WRAPPER APPROACHES. **2004**, 18, 1373-1390

53

2148	Document clustering based on cluster validation. <b>2004,</b>	9
2147	Neural network induction graph for pattern recognition. <b>2004, 57, 257-274</b>	4
2146	Many are called, but few are chosen. Feature selection and error estimation in high dimensional spaces. <b>2004, 73, 91-9</b>	17
2145	Feature dimensionality reduction for the verification of handwritten numerals. <b>2004, 7, 296-307</b>	12
2144	Detection of surface defects on raw steel blocks using Bayesian network classifiers. <b>2004, 7, 333-342</b>	60
2143	Improving retrieval performance by region constraints and relevance feedback. <b>2004, 19, 413-422</b>	
2142	Improved support vector classification using PCA and ICA feature space modification. <b>2004, 37, 1117-1129</b>	41
2141	Object detection using feature subset selection. <b>2004, 37, 2165-2176</b>	175
2140	Integrating imaging spectroscopy and neural networks to map grass quality in the Kruger National Park, South Africa. <b>2004, 90, 104-115</b>	113
2139	Classification of honeybee pollen using a multiscale texture filtering scheme. <b>2004, 15, 186-193</b>	14
2138	Image analysis for automatic segmentation of cytoplasm and classification of Rac1 activation. <b>2004, 57, 22-33</b>	60
2137	Feature selection algorithms for the generation of multiple classifier systems and their application to handwritten word recognition. <i>Pattern Recognition Letters</i> , <b>2004, 25, 1323-1336</b>	4-7 38
2136	Determination of tumour prognosis based on angiogenesis-related vascular patterns measured by fractal and syntactic structure analysis. <b>2004, 16, 307-16</b>	26
2135	Empirical evaluation of feature subset selection based on a real-world data set. <b>2004, 17, 285-288</b>	4
2134	Ontology based object learning and recognition: application to image retrieval.	12
2133	Multi-modal nonlinear feature reduction for the recognition of handwritten numerals.	1
2132	Combination of wavelet analysis and color applied to automatic color grading of ceramic tiles. <b>2004</b>	3
2131	AdaBoost with totally corrective updates for fast face detection.	6

2130	Fault Detection and Operation Mode Identification Based on Pattern Classification with Variable Selection. <b>2004</b> , 43, 1701-1710		31
2129	Improved Quality Estimation and Knowledge Extraction in a Batch Process by Bootstrapping-Based Generalized Variable Selection. <b>2004</b> , 43, 2680-2690		23
2128	Kernel-based feature extraction with a speech technology application. <b>2004</b> , 52, 2250-2263		42
2127	In vitro osteosarcoma biosensing using THz time domain spectroscopy. <b>2004</b> , 5275, 304		4
2126	Advances in Bayesian Networks. <b>2004</b> ,		5
2125	.		7
2124	Advanced Lectures on Machine Learning. <b>2004</b> ,		31
2123	Distance metrics and band selection in hyperspectral processing with applications to material identification and spectral libraries. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2004</b> , 42, 1552-1565	8.1	206
2122	Classification of hyperspectral remote sensing images with support vector machines. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2004</b> , 42, 1778-1790	8.1	2383
2121	Hybrid genetic algorithms for feature selection. <b>2004</b> , 26, 1424-37		528
2120	FloatBoost learning and statistical face detection. <b>2004</b> , 26, 1112-23		343
2119	Simultaneous feature selection and clustering using mixture models. <b>2004</b> , 26, 1154-66		419
2118	Orthogonal forward selection and backward elimination algorithms for feature subset selection. <b>2004</b> , 34, 629-34		125
2117	Analysis of the weighting exponent in the FCM. <b>2004</b> , 34, 634-9		158
2116	A two-stage classifier system for normal mammogram identification. <b>2004</b> ,		1
2115	Hyperspectral ratio feature selection: agricultural product inspection example. <b>2004</b> ,		2
2114	Upscaling of spectroradiometer data for stress detection in orchards with remote sensing. <b>2004</b> ,		
2113	Adaptive feature selection for hyperspectral data analysis. <b>2004</b> ,		5

2112 Gene selection for leukemia subtype classification from gene expression profile.

2111 Optimal measurement point planning for workpiece localization.

2110 Combining Bayesian Networks, k Nearest Neighbours Algorithm and Attribute Selection for Gene Expression Data Analysis. **2004**, 86-97 1

2109 Face Detection. **2005**, 13-37 1

2108 Feature Selection and Blind Source Separation in an EEG-Based Brain-Computer Interface. **2005**, 2005, 1 36

2107 Feature selection for partial discharge diagnosis. **2005**, 5768, 166 4

2106 Bayesian network classifiers versus selective -NN classifier. **2005**, 38, 1-10 75

2105 On musical stylometry pattern recognition approach. *Pattern Recognition Letters*, **2005**, 26, 299-309 4.7 30

2104 Correcting the Kullback-Leibler distance for feature selection. *Pattern Recognition Letters*, **2005**, 26, 1675-1683 4.7 16

2103 Feature selection based on mutual information: criteria of max-dependency, max-relevance, and min-redundancy. **2005**, 27, 1226-38 5607

2102 Method for calculating first-order derivative based feature saliency information in a trained neural network and its application to handwritten digit recognition. **2005**, 152, 137 0

2101 Multihashing, human authentication featuring biometrics data and tokenized random number: A case study FVC2004. **2005**, 69, 242-249 23

2100 Generic wavelet-based hyperspectral classification applied to vegetation stress detection. *IEEE Transactions on Geoscience and Remote Sensing*, **2005**, 43, 610-614 8.1 49

2099 Filter- versus wrapper-based feature selection for credit scoring. **2005**, 20, 985-999 33

2098 Analyzing magnetic resonance images of Iberian pork loin to predict its sensorial characteristics. **2005**, 98, 344-360 42

2097 The coefficient of intrinsic dependence (feature selection using el CID). **2005**, 38, 623-636 17

2096 Impact of error estimation on feature selection. **2005**, 38, 2472-2482 36

2095 A feature selection technique for classificatory analysis. *Pattern Recognition Letters*, **2005**, 26, 43-56 4.7 88

2094	Feature selection algorithms to find strong genes. <i>Pattern Recognition Letters</i> , <b>2005</b> , 26, 1444-1453	4.7	20
2093	Design of decision trees using class-dependent feature subsets. <b>2005</b> , 36, 37-47		
2092	Force protection demining system (FPDS) detection subsystem. <b>2005</b> ,		1
2091	A multiple-feature framework for modelling and predicting transcription factor binding sites. <b>2005</b> , 21, 3082-8		29
2090	Generating decision regions in analog measurement spaces. <b>2005</b> ,		1
2089	GAMM. <b>2005</b> ,		1
2088	Feature level fusion of hand and face biometrics. <b>2005</b> ,		158
2087	Automatic feature selection in neuroevolution. <b>2005</b> ,		42
2086	LS Bound based gene selection for DNA microarray data. <b>2005</b> , 21, 1559-64		64
2085	Joint Key-Frame Extraction and Object-Based Video Segmentation. <b>2005</b> ,		10
2084	Hybrid feature extraction and feature selection for improving recognition accuracy of handwritten numerals. <b>2005</b> ,		9
2083	Handbook of Face Recognition. <b>2005</b> ,		2
2082	Visual approach to supervised variable selection by self-organizing map. <b>2005</b> , 15, 101-10		2
2081	A Novel Prostate Cancer Classification Technique Using Intermediate Memory Tabu Search. <b>2005</b> , 2005, 1		12
2080	Practical landmine detector using forward-looking ground penetrating radar. <b>2005</b> , 41, 97		3
2079	Optimal number of features as a function of sample size for various classification rules. <b>2005</b> , 21, 1509-15		220
2078	Key-frame extraction for object-based video segmentation.		1
2077	Meta-classifiers in acoustic and linguistic feature fusion-based affect recognition.		27

2076	A wrapper-based approach to image segmentation and classification. <b>2005</b> , 14, 2060-72	34
2075	Speaker Independent Speech Emotion Recognition by Ensemble Classification.	59
2074	Identifying critical variables of principal components for unsupervised feature selection. <b>2005</b> , 35, 339-44	57
2073	Learning from examples in the small sample case: face expression recognition. <b>2005</b> , 35, 477-88	133
2072	Nonlinear decision boundaries for testing analog circuits. <b>2005</b> , 24, 1760-1773	42
2071	Current Feature Selection Techniques in Statistical Pattern Recognition. <b>2005</b> , 53-68	6
2070	Texture feature fusion for high resolution satellite image classification.	2
2069	Local and global feature selection for on-line signature verification. <b>2005</b> ,	62
2068	Information-theoretic feature selection algorithms for text classification.	4
2067	. <b>2005</b> , 41, 973-985	23
2066	Comparison of Feature Selection Techniques for Detection of Malignant Tumor in Brain Images.	5
2065	Improving writer identification by means of feature selection and extraction. <b>2005</b> ,	14
2064	Constructive derivation of analog specification test criteria.	5
2063	Feature Selection and Stacking for Robust Discrimination of Speech, Monophonic Singing, and Polyphonic Music.	8
2062	Informative Gene Discovery for Cancer Classification from Microarray Expression Data.	2
2061	Audio Steganalysis using Ensemble of Autonomous Multi-Agent and Support Vector Machine Paradigm. <b>2005</b> ,	1
2060	Band selection based on feature weighting for classification of hyperspectral data. <b>2005</b> , 2, 156-159	114
2059	Training Cellular Automata for Image Processing. <b>2005</b> , 195-204	12

2058	Research issues in genomic signal processing. <b>2005</b> , 22, 46-68	32
2057	A comparison of feature selection methods for the detection of breast cancers in mammograms: adaptive sequential floating search vs. genetic algorithm. <b>2005</b> , 2005, 6532-5	15
2056	A band selection technique for spectral classification. <b>2005</b> , 2, 319-323	79
2055	. <b>2006</b> ,	19
2054	Joint Key-Frame Extraction and Object Segmentation for Content-Based Video Analysis. <b>2006</b> , 16, 904-914	21
2053	The automatic detection of the optic disc location in retinal images using optic disc location regression. <b>2006</b> , 2006, 4432-5	33
2052	Hyperspectral Feature Extraction using Selective PCA based on Genetic Algorithm with Subgroups.	2
2051	Online control of a brain-computer interface using phase synchronization. <b>2006</b> , 53, 2501-6	110
2050	Automatic text block separation in document images. <b>2006</b> ,	5
2049	Feature selection using a piecewise linear network. <b>2006</b> , 17, 1101-15	28
2048	Relevance assignment and fusion of multiple learning methods applied to remote sensing image analysis.	1
2047	Biomarker Discovery for Risk Stratification of Cardiovascular Events using an Improved Genetic Algorithm. <b>2006</b> ,	9
2046	Estimation of User Specific Parameters in One-class Problems. <b>2006</b> ,	12
2045	Machine learning in bioinformatics. <b>2006</b> , 7, 86-112	484
2044	Feature Subset Selection for Face Detection Using Genetic Algorithms and Particle Swarm Optimization.	9
2043	A neural network-based novelty detector for image sequence analysis. <b>2006</b> , 28, 1664-77	47
2042	Genetic programming for simultaneous feature selection and classifier design. <b>2006</b> , 36, 106-17	216
2041	Training cellular automata for image processing. <b>2006</b> , 15, 2076-87	119

2040	Less Biased Measurement of Feature Selection Benefits. <b>2006</b> , 198-208	2
2039	Supervised feature ranking using a genetic algorithm optimized artificial neural network. <b>2006</b> , 46, 1604-14	13
2038	A Fast Feature Selection Model for Online Handwriting Symbol Recognition. <b>2006</b> ,	3
2037	Texture Classification Using Wavelet Frame Representation Based Feature.	1
2036	GA-based Feature Subset Selection for Myoelectric Classification. <b>2006</b> ,	37
2035	A Model-Free Greedy Gene Selection for Microarray Sample Class Prediction. <b>2006</b> ,	1
2034	Multi-population Genetic Algorithm for Feature Selection. <b>2006</b> , 480-487	11
2033	Feature Selection. <b>2006</b> , 213-262	3
2032	StegoBreaker: Audio Steganalysis using Ensemble Autonomous Multi-Agent and Genetic Algorithm. <b>2006</b> ,	1
2031	Automatic detection and classification of grains of pollen based on shape and texture. <b>2006</b> , 36, 531-542	46
2030	Normalization benefits microarray-based classification. <b>2006</b> , 43056	12
2029	Sparse linear filters for detection and classification in hyperspectral imagery. <b>2006</b> ,	7
2028	Combination of different fingerprint systems: a case study FVC2004. <b>2006</b> , 26, 51-57	9
2027	New adaptive branch and bound algorithm for hyperspectral waveband selection for chicken skin tumor detection. <b>2006</b> , 6381, 223	
2026	Feature Subset Selection in Unsupervised Learning via Multiobjective Optimization. <b>2006</b> , 2,	59
2025	Detection of audio covert channels using statistical footprints of hidden messages. <b>2006</b> , 16, 389-401	35
2024	An automated pattern recognition system for the quantification of inflammatory cells in hepatitis-C-infected liver biopsies. <b>2006</b> , 24, 1025-1038	7
2023	Degree prediction of malignancy in brain glioma using support vector machines. <b>2006</b> , 36, 313-25	51



2022	Feature selection in robust clustering based on Laplace mixture. <i>Pattern Recognition Letters</i> , <b>2006</b> , 27, 627-635	4-7	37
2021	Cluster-based pattern discrimination: A novel technique for feature selection. <i>Pattern Recognition Letters</i> , <b>2006</b> , 27, 682-687	4-7	22
2020	Random subspace method for multivariate feature selection. <i>Pattern Recognition Letters</i> , <b>2006</b> , 27, 1067-1076	4-7	129
2019	Interval change analysis to improve computer aided detection in mammography. <b>2006</b> , 10, 82-95		31
2018	Image structure clustering for image quality verification of color retina images in diabetic retinopathy screening. <b>2006</b> , 10, 888-98		108
2017	Non-parametric classifier-independent feature selection. <b>2006</b> , 39, 737-746		22
2016	Support vector machine-based feature selection for classification of liver fibrosis grade in chronic hepatitis C. <b>2006</b> , 30, 389-94		23
2015	Feature extraction for systolic heart murmur classification. <b>2006</b> , 34, 1666-77		84
2014	Classifier-independent feature selection on the basis of divergence criterion. <b>2006</b> , 9, 127-137		9
2013	W-operator window design by minimization of mean conditional entropy. <b>2006</b> , 9, 139-153		22
2012	Gene subset selection in kernel-induced feature space. <i>Pattern Recognition Letters</i> , <b>2006</b> , 27, 1884-1892	4-7	6
2011	Imaging spectroscopy as a tool to study sediment characteristics on a tidal sandbank in the Westerschelde. <b>2006</b> , 69, 580-590		26
2010	Cardiorespiratory-based sleep staging in subjects with obstructive sleep apnea. <b>2006</b> , 53, 485-96		149
2009	A comparison of common spatial patterns with complex band power features in a four-class BCI experiment. <b>2006</b> , 53, 642-51		64
2008	Forecasting the unresponsiveness to verbal command on the basis of EEG frequency progression during anesthetic induction with propofol. <b>2006</b> , 53, 2008-14		4
2007	Virtual reality in posturography. <b>2006</b> , 10, 282-92		17
2006	Novel round-robin tabu search algorithm for prostate cancer classification and diagnosis using multispectral imagery. <b>2006</b> , 10, 782-93		26
2005	An advanced multi-modal method for human authentication featuring biometrics data and tokenised random numbers. <b>2006</b> , 69, 1706-1710		12

2004	MppS: An ensemble of support vector machine based on multiple physicochemical properties of amino acids. <b>2006</b> , 69, 1688-1690	38
2003	A comparison of univariate and multivariate gene selection techniques for classification of cancer datasets. <b>2006</b> , 7, 235	85
2002	Vessel Segmentation in 2D-Projection Images Using a Supervised Linear Hysteresis Classifier. <b>2006</b> ,	1
2001	Multi-Subset Selection for Keyword Extraction and Other Prototype Search Tasks Using Feature Selection Algorithms. <b>2006</b> ,	2
2000	FEATURE SELECTION FOR CLASSIFICATION BY USING A GA-BASED NEURAL NETWORK APPROACH. <b>2006</b> , 23, 55-64	17
1999	Feature selection based on the training set manipulation. <b>2006</b> ,	0
1998	Genetic algorithms for action set selection across domains. <b>2006</b> ,	
1997	What should be expected from feature selection in small-sample settings. <b>2006</b> , 22, 2430-6	63
1996	Genetic test bed for feature selection. <b>2006</b> , 22, 837-42	20
1995	An ensemble of K-local hyperplanes for predicting protein-protein interactions. <b>2006</b> , 22, 1207-10	137
1994	Large-scale feature selection using evolved neural networks. <b>2006</b> ,	12
1993	Real-time flaw detection on a complex object: comparison of results using classification with a support vector machine, boosting, and hyperrectangle-based method. <b>2006</b> , 15, 013018	1
1992	The ties problem resulting from counting-based error estimators and its impact on gene selection algorithms. <b>2006</b> , 22, 2507-15	17
1991	Unsupervised Gene Selection For High Dimensional Data. <b>2006</b> ,	9
1990	A New Hybrid Approach for Unsupervised Gene Selection. <b>2006</b> ,	1
1989	Robust Multi-View Multi-Camera Face Detection inside Smart Rooms Using Spatio-Temporal Dynamic Programming.	8
1988	Audio steganalysis with content-independent distortion measures. <b>2006</b> , 13, 92-95	42
1987	Texture Classification Using Modulus Extremum of Wavelet Frame Representation. <b>2006</b> ,	1

1986	. 2006,	5
1985	Evolving GA Classifier for Audio Steganalysis based on Audio Quality Metrics. 2006,	
1984	Regularization network-based gene selection for microarray data analysis. 2006, 16, 341-52	1
1983	Motor imagery and EEG-based control of spelling devices and neuroprostheses. 2006, 159, 393-409	126
1982	Handbook of Multibiometrics. 2006,	12
1981	Subspace, Latent Structure and Feature Selection. 2006,	6
1980	AN EFFICIENT FEATURE SELECTION ALGORITHM FOR COMPUTER-AIDED POLYP DETECTION. 2006, 15, 893-915	10
1979	A comparative study using different topological representations in Pattern Recognition based Drug Activity Characterization. 2007,	1
1978	Structural Classifier Ensembles for Vector Space Embedded Graphs. 2007,	
1977	Automated detection of pulmonary nodules from low-dose computed tomography scans using a two-stage classification system based on local image features. 2007,	8
1976	Evolving GA Classifier for Breaking the Steganographic Utilities: Stools, Steganos and Jsteg. 2007,	
1975	Compact Modeling of Data Using Independent Variable Group Analysis. 2007, 18, 1762-1776	3
1974	Estimating and mapping grass phosphorus concentration in an African savanna using hyperspectral image data. 2007, 28, 4897-4911	52
1973	SVD Based Source Cell-Phone Identification. 2007,	
1972	An Intelligent Search Algorithm for Feature Gene Selection of Chinese Gastric Cancer with mRNA Microarray Data. 2007,	
1971	Feature selection for swallowing sounds classification. 2007, 2007, 3172-5	14
1970	Visualization of dynamics of plant-pathogen interaction by novel combination of chlorophyll fluorescence imaging and statistical analysis: differential effects of virulent and avirulent strains of P. syringae and of oxylipins on A. thaliana. 2007, 58, 797-806	143
1969	A Comparison of Mental Task Combinations for Asynchronous EEG-Based BCIs. 2007, 2007, 5055-8	2

1968	Combining Static Classifiers and Class Syntax Models for Logical Entity Recognition in Scanned Historical Documents. <b>2007,</b>		
1967	A Hybrid Model with a Weighted Voting Scheme for Feature Selection in Machinery Condition Monitoring. <b>2007,</b>		1
1966	Challenges for Computational Intelligence. <b>2007,</b>		18
1965	Quantification of the impact of feature selection on the variance of cross-validation error estimation. <b>2007,</b> 16354		11
1964	Gene selection for multiclass prediction by weighted Fisher criterion. <b>2007,</b> 64628		8
1963	Contaminant detection on poultry carcasses using hyperspectral data: Part I. Algorithms for selection of individual wavebands. <b>2007,</b>		1
1962	On the role of spectral resolution and classifier complexity in the analysis of hyperspectral images of forest areas. <b>2007,</b>		
1961	Improved forward floating selection algorithm for chicken contaminant detection in hyperspectral imagery. <b>2007,</b>		1
1960	Domain-concept association rules mining for large-scale and complex cellular manufacturing tasks. <b>2007,</b> 18, 787-806		8
1959	Computer-aided cytological cancer diagnosis: cell type classification as a step towards fully automatic cancer diagnostics on cytopathological specimens of serous effusions. <b>2007,</b>		4
1958	Steganalysis of Binary Cartoon Image using Distortion Measure. <b>2007,</b>		2
1957	Dimensionality Reduction Based on Clonal Selection for Hyperspectral Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing,</i> <b>2007,</b> 45, 4172-4186	8.1	141
1956	Classification of High Spatial Resolution Imagery Using Improved Gaussian Markov Random-Field-Based Texture Features. <i>IEEE Transactions on Geoscience and Remote Sensing,</i> <b>2007,</b> 45, 1458-1468	8.1	61
1955	Feature subset selection and ranking for data dimensionality reduction. <b>2007,</b> 29, 162-6		121
1954	Accurate Estimate of the Cross-Validated Prediction Error Variance in Bayes Classifiers. <b>2007,</b>		
1953	Using Adaptive Genetic Algorithms to Improve Speech Emotion Recognition. <b>2007,</b>		10
1952	Face Recognition System Using Ant Colony Optimization-Based Selected Features. <b>2007,</b>		25
1951	Advances in Data Mining. Theoretical Aspects and Applications. <b>2007,</b>		2

1950	Improving Stability of Feature Selection Methods. <b>2007</b> , 929-936	27
1949	Traffic Sign Recognition Using Discriminative Local Features. <b>2007</b> , 355-366	1
1948	Advances in Intelligent Data Analysis VII. <b>2007</b> ,	1
1947	Steganalytic Features for JPEG Compression-Based Perturbed Quantization. <b>2007</b> , 14, 205-208	17
1946	A Novel Feature Selection Approach Using Classification Complexity for SVM of Stock Market Trend Prediction. <b>2007</b> ,	6
1945	Feature selection algorithms in classification problems: an experimental evaluation. <b>2007</b> , 22, 199-212	18
1944	Feature Selection and Partial Least Squares Based Dimension Reduction for Tumor Classification. <b>2007</b> ,	1
1943	An Active Rule Based Approach to Audio Steganalysis with a Genetic Algorithm. <b>2007</b> ,	
1942	Effective gene selection method with small sample sets using gradient-based and point injection techniques. <b>2007</b> , 4, 467-475	8
1941	Search Strategies Guided by the Evidence for the Selection of Basis Functions in Regression. <b>2007</b> ,	
1940	A Road Traffic Signal Recognition System Based on Template Matching Employing Tree Classifier. <b>2007</b> ,	11
1939	Human-Computer Interaction INTERACT 2007. <b>2007</b> ,	2
1938	Two-Stage Variable Selection Using the Wavelet Transform of Batch Trajectories for Data Interpretation and Construction of Parsimonious Quality-Estimation Models. <b>2007</b> , 46, 7188-7197	4
1937	Segmentation of the optic disc, macula and vascular arch in fundus photographs. <b>2007</b> , 26, 116-27	154
1936	Feature Selection Using Ant Colony Optimization (ACO): A New Method and Comparative Study in the Application of Face Recognition System. <b>2007</b> , 63-76	26
1935	Classification based on cortical folding patterns. <b>2007</b> , 26, 553-65	36
1934	Searching for master regulators of transcription in a human gene expression data set. <b>2007</b> , 1 Suppl 1, S81	2
1933	An integrated approach for operational knowledge acquisition of refuse incinerators. <i>Expert Systems With Applications</i> , <b>2007</b> , 33, 413-419	7.8 6

1932	Segmentation and description of natural outdoor scenes. <b>2007</b> , 25, 727-740		32
1931	A novel feature selection approach: Combining feature wrappers and filters. <b>2007</b> , 177, 449-466		103
1930	A hybrid wavelet-based fingerprint matcher. <b>2007</b> , 40, 3146-3151		33
1929	Simultaneous feature selection and feature weighting using Hybrid Tabu Search/K-nearest neighbor classifier. <i>Pattern Recognition Letters</i> , <b>2007</b> , 28, 438-446	4-7	132
1928	Spatial filtering and selection of optimized components in four class motor imagery EEG data using independent components analysis. <i>Pattern Recognition Letters</i> , <b>2007</b> , 28, 957-964	4-7	153
1927	Adaptive branch and bound algorithm for selecting optimal features. <i>Pattern Recognition Letters</i> , <b>2007</b> , 28, 1415-1427	4-7	42
1926	RegionBoost learning for 2D+3D based face recognition. <i>Pattern Recognition Letters</i> , <b>2007</b> , 28, 2063-2070	4-7	26
1925	A multi-expert approach for wavelet-based face detection. <i>Pattern Recognition Letters</i> , <b>2007</b> , 28, 1541-1547	4-7	5
1924	Feature selection by genetic algorithms in object-based classification of IKONOS imagery for forest mapping in Flanders, Belgium. <b>2007</b> , 110, 476-487		109
1923	High content image analysis for human H4 neuroglioma cells exposed to CuO nanoparticles. <b>2007</b> , 7, 66		37
1922	IPRA ENHANCING THE SENSING ABILITIES OF AMBIENT INTELLIGENCE. <b>2007</b> , 23, 464-483		3
1921	An automated feedback system with the hybrid model of scoring and classification for solving over-segmentation problems in RNAi high content screening. <b>2007</b> , 226, 121-32		24
1920	Using cluster validation criterion to identify optimal feature subset and cluster number for document clustering. <b>2007</b> , 43, 730-739		3
1919	Heuristics for the selection of weights in sequential feed-forward neural networks: An experimental study. <b>2007</b> , 70, 2735-2743		
1918	Optimal search-based gene subset selection for gene array cancer classification. <b>2007</b> , 11, 398-405		32
1917	Brain-computer communication: motivation, aim, and impact of exploring a virtual apartment. <b>2007</b> , 15, 473-82		300
1916	Extraction of Spectral Channels From Hyperspectral Images for Classification Purposes. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2007</b> , 45, 484-495	8.1	100
1915	. <b>2007</b> , 2, 31-45		112

1914	Case study of combinatorial imaging: what protocol and what chlorophyll fluorescence image to use when visualizing infection of Arabidopsis thaliana by Pseudomonas syringae?. <b>2006</b> , 90, 243-53		31
1913	Word sense learning based on feature selection and MDL principle. <b>2007</b> , 40, 375-393		0
1912	Binarization, character extraction, and writer identification of historical Hebrew calligraphy documents. <b>2007</b> , 9, 89-99		47
1911	Pairwise feature evaluation for constructing reduced representations. <b>2007</b> , 10, 55-68		14
1910	Joint face and head tracking inside multi-camera smart rooms. <b>2007</b> , 1, 163-178		7
1909	Authentication based on feature of hand-written signature. <b>2007</b> , 14, 563-567		2
1908	A hybrid approach for feature subset selection using neural networks and ant colony optimization. <i>Expert Systems With Applications</i> , <b>2007</b> , 33, 49-60	7.8	171
1907	Selection of relevant features for EEG signal classification of schizophrenic patients. <b>2007</b> , 2, 122-134		49
1906	A multi-matcher for ear authentication. <i>Pattern Recognition Letters</i> , <b>2007</b> , 28, 2219-2226	4.7	60
1905	Detection of glaucomatous change based on vessel shape analysis. <b>2008</b> , 32, 183-92		20
1904	Classifier design with feature selection and feature extraction using layered genetic programming. <i>Expert Systems With Applications</i> , <b>2008</b> , 34, 1384-1393	7.8	50
1903	A simulated-annealing-based approach for simultaneous parameter optimization and feature selection of back-propagation networks. <i>Expert Systems With Applications</i> , <b>2008</b> , 34, 1491-1499	7.8	46
1902	Particle swarm optimization for pap-smear diagnosis. <i>Expert Systems With Applications</i> , <b>2008</b> , 35, 1645-1656		57
1901	Conventional and combinatorial chlorophyll fluorescence imaging of tobamovirus-infected plants. <b>2008</b> , 46, 441-451		33
1900	Effective Gene Selection Method Using Bayesian Discriminant Based Criterion and Genetic Algorithms. <b>2008</b> , 50, 293-304		7
1899	Optimization of nearest neighbor classifiers via metaheuristic algorithms for credit risk assessment. <b>2008</b> , 42, 279-293		31
1898	A comparison of several nearest neighbor classifier metrics using Tabu Search algorithm for the feature selection problem. <b>2008</b> , 2, 299-308		7
1897	A sparse Bayesian approach for joint feature selection and classifier learning. <b>2008</b> , 11, 299-308		7

1896	Simultaneous feature selection and parameter optimisation using an artificial ant colony: case study of melting point prediction. <b>2008</b> , 2, 21		19
1895	Monitoring of the sediment dynamics along a sandy shoreline by means of airborne hyperspectral remote sensing and LIDAR: a case study in Belgium. <b>2008</b> , 33, 280-294		27
1894	Localized feature selection for clustering. <i>Pattern Recognition Letters</i> , <b>2008</b> , 29, 10-18	4.7	46
1893	Fast and accurate sequential floating forward feature selection with the Bayes classifier applied to speech emotion recognition. <b>2008</b> , 88, 2956-2970		97
1892	An improved feature selection method based on ant colony optimization (ACO) evaluated on face recognition system. <b>2008</b> , 205, 716-725		103
1891	Improved binary PSO for feature selection using gene expression data. <b>2008</b> , 32, 29-37		365
1890	A multilevel tabu search algorithm for the feature selection problem in biomedical data. <b>2008</b> , 55, 1019-1033		25
1889	Generalized Needleman-Wunsch algorithm for the recognition of T-cell epitopes. <i>Expert Systems With Applications</i> , <b>2008</b> , 35, 1463-1467	7.8	6
1888	Over-complete feature generation and feature selection for biometry. <i>Expert Systems With Applications</i> , <b>2008</b> , 35, 2049-2055	7.8	11
1887	Ontology based complex object recognition. <b>2008</b> , 26, 102-113		58
1886	Subspace based feature selection for pattern recognition. <b>2008</b> , 178, 3716-3726		66
1885	An incremental node embedding technique for error correcting output codes. <b>2008</b> , 41, 713-725		48
1884	Advanced methods for two-class pattern recognition problem formulation for minutiae-based fingerprint verification. <i>Pattern Recognition Letters</i> , <b>2008</b> , 29, 142-148	4.7	10
1883	Wavelet decomposition tree selection for palm and face authentication. <i>Pattern Recognition Letters</i> , <b>2008</b> , 29, 343-353	4.7	23
1882	Consensus unsupervised feature ranking from multiple views. <i>Pattern Recognition Letters</i> , <b>2008</b> , 29, 595-602	4.7	45
1881	A multi-modal method based on the competitors of FVC2004 and on palm data combined with tokenised random numbers. <i>Pattern Recognition Letters</i> , <b>2008</b> , 29, 1344-1350	4.7	6
1880	The peaking phenomenon in the presence of feature-selection. <i>Pattern Recognition Letters</i> , <b>2008</b> , 29, 1667-1674	4.7	50
1879	The properties of high-dimensional data spaces: implications for exploring gene and protein expression data. <b>2008</b> , 8, 37-49		370



1878	Discriminating Between Pitched Sources in Music Audio. <b>2008</b> , 16, 267-277	5
1877	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2008</b> , 46, 1416-1427	8.1 340
1876	Chaotic-Type Features for Speech Steganalysis. <b>2008</b> , 3, 651-661	28
1875	Helicobacter pylori-related gastric histology classification using support-vector-machine-based feature selection. <b>2008</b> , 12, 523-31	25
1874	Supervised enhancement filters: application to fissure detection in chest CT scans. <b>2008</b> , 27, 1-10	55
1873	A comparison of machine learning algorithms for chemical toxicity classification using a simulated multi-scale data model. <b>2008</b> , 9, 241	51
1872	A machine vision system for automated non-invasive assessment of cell viability via dark field microscopy, wavelet feature selection and classification. <b>2008</b> , 9, 449	16
1871	Feature selection environment for genomic applications. <b>2008</b> , 9, 451	38
1870	Improved identification of conserved cassette exons using Bayesian networks. <b>2008</b> , 9, 477	5
1869	Automatic covariate selection in logistic models for chest pain diagnosis: a new approach. <b>2008</b> , 89, 301-12	1
1868	Improving accuracy in astrocytomas grading by integrating a robust least squares mapping driven support vector machine classifier into a two level grade classification scheme. <b>2008</b> , 90, 251-61	24
1867	A parameterless feature ranking algorithm based on MI. <b>2008</b> , 71, 1656-1668	15
1866	Agglomerative independent variable group analysis. <b>2008</b> , 71, 1311-1320	2
1865	Enhanced feature selection models using gradient-based and point injection techniques. <b>2008</b> , 71, 3114-3123	5
1864	Applications of Particle Swarm Optimization and K-Nearest Neighbors to Emotion Recognition from Physiological Signals. <b>2008</b> ,	6
1863	Advances in Bioinformatics and Computational Biology. <b>2008</b> ,	1
1862	Dynamic Oscillating Search Algorithm for Feature Selection. <b>2008</b> ,	9
1861	Hardware implementation of boosting based object detection using a high level description. <b>2008</b> ,	

1860	Handbook of Biometrics. <b>2008,</b>	408
1859	Using Ant Colony Optimization-Based Selected Features for Predicting Post-synaptic Activity in Proteins. <b>2008, 12-23</b>	16
1858	A wavelet-based optimal texture feature set for classification of brain tumours. <b>2008, 32, 198-205</b>	25
1857	Graph-Based Iterative Hybrid Feature Selection. <b>2008,</b>	4
1856	Discriminative feature co-occurrence selection for object detection. <b>2008, 30, 1257-69</b>	58
1855	Improving fuzzy rule classifier by extracting suitable features from capacities with respect to the choquet integral. <b>2008, 38, 1195-206</b>	20
1854	Phase correlation based redundancy removal in feature weighting band selection for hyperspectral images. <b>2008, 29, 1801-1807</b>	21
1853	Detection, Tracking and Recognition of Traffic Signs from Video Input. <b>2008,</b>	17
1852	Features-Pooling Blind JPEG Image Steganalysis. <b>2008,</b>	0
1851	Detection of falls at home using floor vibrations and sound. <b>2008,</b>	7
1850	Dynamic Learning of SMLR for Feature Selection and Classification of Hyperspectral Data. <b>2008, 5, 280-284</b>	49
1849	. <b>2008,</b>	
1848	Adaptive feature selection for digital camera source identification. <b>2008,</b>	
1847	Classification of Event-Related Potentials associated with response errors in actors. <b>2008,</b>	1
1846	Case-Based Reasoning with feature clustering. <b>2008,</b>	1
1845	Improved forward floating selection algorithm for feature subset selection. <b>2008,</b>	13
1844	Emotion sensitive speech control for human-robot interaction in minimal invasive surgery. <b>2008,</b>	13
1843	Band selection based on evolution algorithm and sequential search for hyperspectral classification. <b>2008,</b>	8

1842	Time Frequency Representations for Classification of Landmine Using UWB Impulse GPR. <b>2008,</b>	1
1841	Development of Body Sensor Network applications using SPINE. <b>2008,</b>	27
1840	A wearable triaxial accelerometry system for longitudinal assessment of falls risk. <b>2008, 2008, 2840-3</b>	24
1839	Feature Selection Using Memetic Algorithms. <b>2008,</b>	14
1838	Brute-forcing hierarchical functionals for paralinguistics: A waste of feature space?. <b>2008,</b>	30
1837	Texture and Wavelet-Based Spoof Fingerprint Detection for Fingerprint Biometric Systems. <b>2008,</b>	42
1836	The peaking phenomenon revisited: The case with feature selection. <b>2008,</b>	1
1835	Removal of ballistocardiogram artifact from EEG data acquired in the MRI scanner: selection of ICA components. <b>2008, 2008, 5220-3</b>	1
1834	Hyperspectral waveband selection for contaminant detection on poultry carcasses. <b>2008, 47, 087202</b>	22
1833	FAST. <b>2008,</b>	109
1832	Computer-aided prognosis of neuroblastoma: classification of stromal development on whole-slide images. <b>2008,</b>	9
1831	Segment-Boost Learning for Facial Feature Selection. <b>2008,</b>	1
1830	Automated detection of nodules attached to the pleural and mediastinal surface in low-dose CT scans. <b>2008,</b>	1
1829	Detection of watermarking methods using Steganalysis. <b>2008,</b>	1
1828	Performance and robustness: A trade-off in dynamic signature verification. <b>2008,</b>	7
1827	Writer Identification in Old Handwritten Music Scores. <b>2008,</b>	25
1826	Feature selection based on IB theory. <b>2008,</b>	
1825	THE EFFECT OF POPULATION CONTEXTS ON CLASSIFIER PERFORMANCE. <b>2008, 16, 495-517</b>	1

1824	INTELLIGENT DATA ANALYSIS FOR THE CLASSIFICATION OF BODY SURFACE POTENTIAL MAPS. <b>2008</b> , 07, 249-263	2
1823	Floatcascade learning for fast imbalanced web mining. <b>2008</b> ,	1
1822	Iris recognition based on relative variation analysis with feature selection. <b>2008</b> , 47, 097202	9
1821	On enabling techniques for personal audio content management. <b>2008</b> ,	2
1820	Performing feature selection with multilayer perceptrons. <b>2008</b> , 19, 431-41	74
1819	. <b>2008</b> ,	33
1818	Attribute clustering with unknown cluster numbers. <b>2008</b> ,	
1817	Mental task classification against the idle state: a preliminary investigation. <b>2008</b> , 2008, 4473-7	5
1816	Combining AMSR-E and QuikSCAT image data to improve sea ice classification. <b>2008</b> ,	0
1815	A computationally light classification method for mobile wellness platforms. <b>2008</b> , 2008, 1167-70	1
1814	Network-Constrained Support Vector Machine for Classification. <b>2008</b> ,	
1813	Feature condensing algorithm for feature selection. <b>2008</b> ,	1
1812	Sediment facies classification of a sandy shoreline by means of airborne imaging spectroscopy. <b>2008</b> , 29, 4463-4477	1
1811	Fall detection of elderly through floor vibrations and sound. <b>2008</b> , 2008, 4632-5	47
1810	Wavelet energy signature and GLCM features-based fingerprint anti-spoofing. <b>2008</b> ,	21
1809	Feature selection via decision tree surrogate splits. <b>2008</b> ,	0
1808	A Novel Rough Hypercuboid Method for Classifying Cancers Based on Gene Expression Profiles. <b>2008</b> ,	
1807	Metamodels for Optimum Design of Laser Welded Sandwich Structures. <b>2008</b> , 119-126	5

1806	Voxel classification based airway tree segmentation. <b>2008,</b>	7
1805	On the suboptimal solutions using the adaptive branch and bound algorithm for feature selection. <b>2008,</b>	3
1804	A Hybrid Feature Selection Mechanism. <b>2008,</b>	3
1803	Texture Feature Fusion with Neighborhood Oscillating Tabu Search for High Resolution Image Classification. <b>2008,</b> 74, 323-331	7
1802	Selecting optimal classification features for SVM based elimination of incorrectly matched minutiae. <b>2008,</b>	1
1801	Improved Knowledge Extraction and Phase-Based Quality Prediction for Batch Processes. <b>2008,</b> 47, 825-834	11
1800	Local binary pattern and wavelet-based spoof fingerprint detection. <b>2008,</b> 1, 141	35
1799	Gender Classification in Emotional Speech. <b>2008,</b>	0
1798	Data Reduction for Pattern Recognition and Data Analysis. <b>2008,</b> 81-109	4
1797	Predicting quantitative genetic interactions by means of sequential matrix approximation. <b>2008,</b> 3, e3284	9
1796	Particle swarm optimization for human face recognition. <b>2009,</b>	6
1795	Full Issue in PDF / Numéro complet en PDF. <b>2009,</b> 35, ii-319	1
1794	Selecting Features in On-Line Handwritten Whiteboard Note Recognition: SFS or SFFS?. <b>2009,</b>	15
1793	The study on feature selection in customer churn prediction modeling. <b>2009,</b>	4
1792	Automated detection of asynchrony in patient-ventilator interaction. <b>2009,</b> 2009, 5324-7	8
1791	Tabu search and binary particle swarm optimization for feature selection using microarray data. <b>2009,</b> 16, 1689-703	46
1790	Combining Gaussian Markov random fields with the discrete-wavelet transform for endoscopic image classification. <b>2009,</b>	12
1789	Comparative study of GRNS inference methods based on feature selection by mutual information. <b>2009,</b>	2

1788	An unsupervised feature ranking scheme by discovering biclusters. <b>2009,</b>	1
1787	A combined linear & nonlinear approach for classification of epileptic EEG signals. <b>2009,</b>	4
1786	Classification of low resolution virtual slides from breast tumor sections: comparison between global and local analysis. <b>2009,</b> 2009, 6671-4	1
1785	Colour fusion in multi-spectral face authentication systems. <b>2009,</b>	
1784	An investigation of the impact of gait segmentation on accelerometry-based inclined terrain classification. <b>2009,</b>	1
1783	A new feature selection algorithm for multispectral and polarimetric vehicle images. <b>2009,</b>	
1782	CO-OCCURRENCE PROBABILITIES AND WAVELET-BASED SPOOF FINGERPRINT DETECTION. <b>2009,</b> 09, 171-199	4
1781	FAST FEATURE SUBSET SELECTION IN BIOLOGICAL SEQUENCE ANALYSIS. <b>2009,</b> 23, 191-207	3
1780	FEATURE SELECTION FOR HMM AND BLSTM BASED HANDWRITING RECOGNITION OF WHITEBOARD NOTES. <b>2009,</b> 23, 907-923	17
1779	Impact of missing value imputation on classification for DNA microarray gene expression data--a model-based study. <b>2009,</b> 2009, 504069	9
1778	Large-scale identification of genetic design strategies using local search. <b>2009,</b> 5, 296	113
1777	Accurate prediction of NAGNAG alternative splicing. <b>2009,</b> 37, 3569-79	22
1776	Relating periodicity of nucleosome organization and gene regulation. <b>2009,</b> 25, 1782-8	8
1775	Floating-Bagging-Adaboost ensemble for object detection using local shape-based features. <b>2009,</b>	
1774	An Application of Electrocardiography to Emotion Recognition. <b>2009,</b>	1
1773	A bi-prototype theory of facial attractiveness. <b>2009,</b> 21, 890-910	9
1772	Emotion Recognition of Physiological Signals Based on Adaptive Hierarchical Genetic Algorithm. <b>2009,</b>	5
1771	The diaphragm as an anatomic surrogate for lung tumor motion. <b>2009,</b> 54, 3529-41	83

1770	Prototype selection based on sequential search. <b>2009</b> , 13, 599-631		6
1769	Automatic classification of retinal vessels into arteries and veins. <b>2009</b> ,		35
1768	An experimental study on methods for the selection of basis functions in regression. <b>2009</b> , 72, 2952-2963		0
1767	Computer-aided diagnosis of thyroid malignancy using an artificial immune system classification algorithm. <b>2009</b> , 13, 680-6		7
1766	Information fusion for diabetic retinopathy CAD in digital color fundus photographs. <b>2009</b> , 28, 775-85		80
1765	Decision-level fusion of EEG and pupil features for single-trial visual detection analysis. <b>2009</b> , 56, 1929-37		25
1764	A method for automatic fall detection of elderly people using floor vibrations and sound--proof of concept on human mimicking doll falls. <b>2009</b> , 56, 2858-67		239
1763	A Novel Approach to the Selection of Spatially Invariant Features for the Classification of Hyperspectral Images With Improved Generalization Capability. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2009</b> , 47, 3180-3191	8.1	98
1762	Posterior probability profiles for the automated assessment of the recovery of patients with stroke from activity of daily living tasks. <b>2009</b> , 46, 233-49		7
1761	Parameter determination and feature selection for back-propagation network by particle swarm optimization. <b>2009</b> , 21, 249-266		24
1760	Using ensemble of classifiers for predicting HIV protease cleavage sites in proteins. <b>2009</b> , 36, 409-16		25
1759	Machine learning multi-classifiers for peptide classification. <b>2009</b> , 18, 185-192		3
1758	Fusion of color spaces for ear authentication. <b>2009</b> , 42, 1906-1913		66
1757	Fast detection of the optic disc and fovea in color fundus photographs. <b>2009</b> , 13, 859-70		149
1756	Ensemble of on-line signature matchers based on OverComplete feature generation. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 5291-5296	7.8	31
1755	Descriptors for image-based fingerprint matchers. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 12414-12428		46
1754	Pre-symptomatic detection of <i>Plasmopara viticola</i> infection in grapevine leaves using chlorophyll fluorescence imaging. <b>2009</b> , 125, 291-302		44
1753	Towards discrimination of plant species by machine vision: advanced statistical analysis of chlorophyll fluorescence transients. <b>2009</b> , 19, 905-13		13

1752	Automated feature selection in neuroevolution. <b>2009</b> , 1, 271-292		13
1751	The effect of microarray image compression on expression-based classification. <b>2009</b> , 3, 53-61		4
1750	A fast clonal selection algorithm for feature selection in hyperspectral imagery. <b>2009</b> , 12, 172-181		6
1749	Effective and efficient feature selection for large-scale data using Bayes's theorem. <b>2009</b> , 6, 62-71		14
1748	Creating robust, reliable, clinically relevant classifiers from spectroscopic data. <b>2009</b> , 1, 201-211		12
1747	Feature extraction through local learning. <b>2009</b> , 2, 34-47		16
1746	An approach for extensibly profiling the molecular states of cellular subpopulations. <b>2009</b> , 6, 759-65		55
1745	Intelligent and nature inspired optimization methods in medicine: the Pap smear cell classification problem. <b>2009</b> , 26, 433-457		7
1744	Improving the accuracy of computer-aided radiographic weld inspection by feature selection. <b>2009</b> , 42, 229-239		39
1743	Performance of feature-selection methods in the classification of high-dimension data. <b>2009</b> , 42, 409-424		247
1742	An improvement on floating search algorithms for feature subset selection. <b>2009</b> , 42, 1932-1940		79
1741	Image description using joint distribution of filter bank responses. <i>Pattern Recognition Letters</i> , <b>2009</b> , 30, 368-376	4.7	68
1740	Different metaheuristic strategies to solve the feature selection problem. <i>Pattern Recognition Letters</i> , <b>2009</b> , 30, 525-534	4.7	163
1739	Feature selection using tabu search with long-term memories and probabilistic neural networks. <i>Pattern Recognition Letters</i> , <b>2009</b> , 30, 661-670	4.7	25
1738	An ensemble of support vector machines for predicting virulent proteins. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 7458-7462	7.8	20
1737	Fast feature selection algorithm for poultry skin tumor detection in hyperspectral data. <b>2009</b> , 94, 358-365		39
1736	A large-scale evaluation of automatic pulmonary nodule detection in chest CT using local image features and k-nearest-neighbour classification. <b>2009</b> , 13, 757-70		209
1735	A feature selection technique for generation of classification committees and its application to categorization of laryngeal images. <b>2009</b> , 42, 645-654		42



1734	Computer-aided Prognosis of Neuroblastoma on Whole-slide Images: Classification of Stromal Development. <b>2009</b> , 42, 1093-1103		151
1733	Generating segmented meshes from textured color images. <b>2009</b> , 20, 190-203		3
1732	The role of spectral resolution and classifier complexity in the analysis of hyperspectral images of forest areas. <b>2009</b> , 113, 2345-2355		149
1731	Ensemble generation and feature selection for the identification of students with learning disabilities. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 3896-3900	7.8	21
1730	The search for optimal feature set in power quality event classification. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 10266-10273	7.8	63
1729	Feature selection for face recognition: a memetic algorithmic approach. <b>2009</b> , 10, 1140-1152		6
1728	Fusing AMSR-E and QuikSCAT Imagery for Improved Sea Ice Recognition. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2009</b> , 47, 1980-1989	8.1	25
1727	A method for finding smoothly varying rules in Multidimensional time series. <b>2009</b> , 49, 1930-1948		
1726	Digital image forensics with finite ridgelet transform. <b>2009</b> ,		
1725	A Data Mining based Knowledge Management approach for the semiconductor industry. <b>2009</b> ,		0
1724	. <b>2009</b> ,		17
1723	Motor imagery and action observation: modulation of sensorimotor brain rhythms during mental control of a brain-computer interface. <b>2009</b> , 120, 239-47		271
1722	Investigation of genetic algorithms contribution to feature selection for oil spill detection. <b>2009</b> , 30, 611-625		46
1721	Histopathological image analysis: a review. <b>2009</b> , 2, 147-71		1061
1720	Learning in Fingerprints. 339-364		
1719	Dual Features Functional Support Vector Machines for Fault Detection of Rechargeable Batteries. <b>2009</b> , 39, 480-485		44
1718	On the Use of Textural Features for Writer Identification in Old Handwritten Music Scores. <b>2009</b> ,		19
1717	Using GA-based feature selection for emotion recognition from physiological signals. <b>2009</b> ,		5

1716	Large-scale attribute selection using wrappers. <b>2009</b> ,	118
1715	Feature Selection. <b>2009</b> , 261-322	17
1714	Ambient Assistive Health and Wellness Management in the Heart of the City. <b>2009</b> ,	2
1713	Multiple Classifier Systems. <b>2009</b> ,	8
1712	Fuzzy Spectral and Spatial Feature Integration for Classification of Nonferrous Materials in Hyperspectral Data. <b>2009</b> , 5, 483-494	72
1711	IPCM separability ratio for supervised feature selection. <b>2009</b> ,	
1710	Study on criterion function models in the adaptive branch and bound algorithm. <b>2009</b> ,	
1709	Integration of Knowledge Discovery techniques in the Quality Management model to achieve higher target quality. <b>2009</b> ,	2
1708	Real-Valued Feature Selection by Mutual Information of Order 2. <b>2009</b> ,	0
1707	Automatic Feature Selection for Model-Based Reinforcement Learning in Factored MDPs. <b>2009</b> ,	13
1706	Source cell phone camera identification based on singular value decomposition. <b>2009</b> ,	6
1705	. <b>2009</b> , 11, 565-571	5
1704	Feature subset selection using generalized steepest ascent search algorithm. <b>2009</b> ,	1
1703	A New Measure of Feature Selection Algorithms' Stability. <b>2009</b> ,	4
1702	Natural image statistics and low-complexity feature selection. <b>2009</b> , 31, 228-44	31
1701	Information loss of the mahalanobis distance in high dimensions: application to feature selection. <b>2009</b> , 31, 2275-81	41
1700	. <b>2009</b> , 39, 782-794	6
1699	Impact and realization of increased class separability on the small sample size problem in hyperspectral classification. <b>2009</b> , 35, 248-261	2

1698 Automatic house detection from high-resolution satellite imagery. **2009**,

1697 On selecting Gabor features for biometric authentication. **2009**, 35, 23 8

1696 On the Use of K-Fold Cross-Validation to Choose Cutoff Values and Assess the Performance of Predictive Models in Stepwise Regression. **2009**, 5, 15

1695 Ensemble training to improve recognition using 2D ear. **2009**, 1

1694 Cascade Boosting-Based Object Detection from High-Level Description to Hardware Implementation. **2009**, 2009, 1-12 4

1693 A Decision-Tree-Based Algorithm for Speech/Music Classification and Segmentation. **2009**, 2009, 1-14 35

1692 Improvement of computational efficiency using a cascade classification scheme for the classification of diffuse infiltrative lung disease on HRCT. **2009**,

1691 Performance of feature selection methods. **2009**, 10, 365-74 21

1690 House damage assesment based on supervised learning method: case study on Haiti. **2010**,

1689 Effect of finite sample size on feature selection and classification: a simulation study. **2010**, 37, 907-20 45

1688 Speech Emotion Recognition Based on Parametric Filter and Fractal Dimension. **2010**, E93-D, 2324-2326 11

1687 Texture analysis of carotid artery atherosclerosis from three-dimensional ultrasound images. **2010**, 37, 1382-91 35

1686 Recognizing outdoor scene objects using texture features and probabilistic appearance model. **2010**, 1

1685 Correlation based feature selection method. **2010**, 2, 319 23

1684 An algorithm for analysis of multidimensional time series with smoothly varying regularities and its application. **2010**, 20, 251-268

1683 Applying PSO-based BPN for predicting the yield rate of DRAM modules produced using defective ICs. **2010**, 49, 987-999 3

1682 Predicting trait impressions of faces using local face recognition techniques. *Expert Systems With Applications*, **2010**, 37, 5086-5093 7.8 8

1681 Soft fuzzy rough sets for robust feature evaluation and selection. **2010**, 180, 4384-4400 80

1680	Feature subset selection in large dimensionality domains. <b>2010</b> , 43, 5-13		391
1679	A multi-class classification strategy for Fisher scores: Application to signer independent sign language recognition. <b>2010</b> , 43, 1776-1788		36
1678	Classifier ensembles for fMRI data analysis: an experiment. <b>2010</b> , 28, 583-93		60
1677	A Bayesian network for combining descriptors: application to symbol recognition. <b>2010</b> , 13, 65-75		15
1676	A combination of features for symbol-independent writer identification in old music scores. <b>2010</b> , 13, 243-259		7
1675	Advanced machine learning techniques for microarray spot quality classification. <b>2010</b> , 19, 471-475		6
1674	Curvelet-based fingerprint anti-spoofing. <b>2010</b> , 4, 75-87		26
1673	Longitudinal falls-risk estimation using triaxial accelerometry. <b>2010</b> , 57, 534-41		73
1672	A BOI-Preserving-Based Compression Method for Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2010</b> ,	8.1	6
1671	Computer-aided classification of zoom-endoscopic images using Fourier filters. <b>2010</b> , 14, 958-70		18
1670	Visual-Semantic Modeling in Content-Based Geospatial Information Retrieval Using Associative Mining Techniques. <b>2010</b> , 7, 38-42		13
1669	Towards a Memetic Feature Selection Paradigm [Application Notes]. <b>2010</b> , 5, 41-53		55
1668	A new wrapper feature selection approach using neural network. <b>2010</b> , 73, 3273-3283		125
1667	Coding of amino acids by texture descriptors. <b>2010</b> , 48, 43-50		5
1666	An automatic machine vision-guided grasping system for Phalaenopsis tissue culture plantlets. <b>2010</b> , 70, 42-51		18
1665	A novel feature selection approach for biomedical data classification. <b>2010</b> , 43, 15-23		148
1664	Vessel-guided airway tree segmentation: A voxel classification approach. <b>2010</b> , 14, 527-38		91
1663	U-curve: A branch-and-bound optimization algorithm for U-shaped cost functions on Boolean lattices applied to the feature selection problem. <b>2010</b> , 43, 557-568		17

1662	High performance set of PseAAC and sequence based descriptors for protein classification. <b>2010</b> , 266, 1-10		47
1661	Automatic feature selection for context recognition in mobile devices. <b>2010</b> , 6, 181-197		37
1660	Real-time traffic sign recognition from video by class-specific discriminative features. <b>2010</b> , 43, 416-430		178
1659	Effective segmentation and classification for HCC biopsy images. <b>2010</b> , 43, 1550-1563		103
1658	SVM-FuzCoC: A novel SVM-based feature selection method using a fuzzy complementary criterion. <b>2010</b> , 43, 3712-3729		33
1657	A hybrid biometric cryptosystem for securing fingerprint minutiae templates. <i>Pattern Recognition Letters</i> , <b>2010</b> , 31, 733-741	4-7	132
1656	Creating diverse nearest-neighbour ensembles using simultaneous metaheuristic feature selection. <i>Pattern Recognition Letters</i> , <b>2010</b> , 31, 1470-1480	4-7	18
1655	A discrete particle swarm optimization method for feature selection in binary classification problems. <b>2010</b> , 206, 528-539		302
1654	Orthogonal linear discriminant analysis and feature selection for micro-array data classification. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 7132-7137	7-8	8
1653	Chemiresistor sensors array optimization by using the method of coupled statistical techniques and its application as an electronic nose for some organic vapors recognition. <b>2010</b> , 143, 740-749		35
1652	Honey Bees Mating Optimization algorithm for financial classification problems. <b>2010</b> , 10, 806-812		52
1651	Towards automatic detection of atrial fibrillation: A hybrid computational approach. <b>2010</b> , 40, 919-30		42
1650	Image processing using 3-state cellular automata. <b>2010</b> , 114, 790-802		61
1649	Feature extraction and selection from acoustic emission signals with an application in grinding wheel condition monitoring. <b>2010</b> , 23, 74-84		71
1648	Efficient Feature Subset Selection and Subset Size Optimization. <b>2010</b> ,		21
1647	Pattern Recognition based Fault Diagnosis in Industrial Processes: Review and Application. <b>2010</b> ,		4
1646	User satisfaction with an Internet-based learning medium. <b>2010</b> ,		
1645	Feature Selection Using Combine of Genetic Algorithm and Ant Colony Optimization. <b>2010</b> , 127-135		1

1644	Image Analysis and Recognition. <b>2010,</b>	1
1643	Classification of biological signals using linear and nonlinear features. <b>2010, 31, 903-20</b>	33
1642	Automated aortic calcium scoring on low-dose chest computed tomography. <b>2010, 37, 714-23</b>	28
1641	Asynchronous steady-state visual evoked potential based BCI control of a 2-DoF artificial upper limb. <b>2010, 55, 367-74</b>	14
1640	Automatic Recognition of Five Types of White Blood Cells in Peripheral Blood. <b>2010, 161-172</b>	14
1639	Adaboost face detection algorithm based on correlation of classifiers. <b>2010,</b>	
1638	Multi-objective evolutionary methods for channel selection in Brain-Computer Interfaces: Some preliminary experimental results. <b>2010,</b>	14
1637	A biometric signature based system for improved emotion recognition using physiological responses from multiple subjects. <b>2010,</b>	16
1636	. <b>2010,</b>	
1635	An Adaptive Multiple Feature Subset Method for Feature Ranking and Selection. <b>2010,</b>	0
1634	A Fuzzy Complementary Criterion for structure learning of a neuro-fuzzy classifier. <b>2010,</b>	1
1633	Color component feature selection in feature-level fusion based color face recognition. <b>2010,</b>	4
1632	Evaluation of an ECG heartbeat classifier designed by generalization-driven feature selection. <b>2010, 2010, 5399-402</b>	
1631	Optimal set of EEG electrodes for rapid serial visual presentation. <b>2010, 2010, 4335-8</b>	2
1630	Evaluation of adaptive FRIFS method through several classification comparisons. <b>2010,</b>	
1629	Feature selection for regularized least-squares: New computational short-cuts and fast algorithmic implementations. <b>2010,</b>	2
1628	A top-down construction of class decision trees with selected features and classifiers. <b>2010,</b>	3
1627	Pattern Recognition in Bioinformatics. <b>2010,</b>	1

1626 Tumor CE image classification using SVM-based feature selection. **2010,**

1625 The Problem of Fragile Feature Subset Preference in Feature Selection Methods and a Proposal of Algorithmic Workaround. **2010,** 1

1624 . **2010,**

1623 SFDIA of consecutive sensor faults using neural networks [demonstrated on a UAV. **2010,** 83, 2308-2327 3

1622 Ensemble Rough Hypercuboid Approach for Classifying Cancers. **2010,** 22, 381-391 34

1621 Applications of Simulated Annealing Genetic Algorithm to emotion recognition from physiological signals. **2010,**

1620 Addressing the problems of data-centric physiology-affect relations modeling. **2010,** 3

1619 Maximum normalized spacing for efficient visual clustering. **2010,** 1

1618 A review of the audio and video steganalysis algorithms. **2010,** 4

1617 A Feature Selection Algorithm Based on SVM Average Distance. **2010,** 1

1616 Cursive On-line Handwriting Word Recognition Using a Bi-character Model for Large Lexicon Applications. **2010,** 2

1615 Retinal imaging and image analysis. **2010,** 3, 169-208 685

1614 Face Recognition Based on Mixed between Selected Feature by Multiwavelet and Particle Swarm Optimization. **2010,** 7

1613 Inference of Restricted Stochastic Boolean GRN by Bayesian Error and Entropy Based Criteria. **2010,** 144-152

1612 Boosting-Based Face Detection and Adaptation. **2010,** 2, 1-140 12

1611 Feature selection based on Ant Colony algorithm for hyperspectral remote sensing images. **2010,** 11

1610 Accented Handwritten Character Recognition Using SVM - Application to French. **2010,** 6

1609 Classification of Alzheimer's disease and mild cognitive impairment by pattern recognition of EEG power and coherence. **2010,** 8

1608	Localisation of cognitive tasks used in EEG-based BCIs. <b>2010</b> , 121, 1481-1493	15
1607	Combating the Small Sample Class Imbalance Problem Using Feature Selection. <b>2010</b> , 22, 1388-1400	221
1606	A GMM based 2-stage architecture for multi-subject emotion recognition using physiological responses. <b>2010</b> ,	7
1605	Sleep/wake detection based on cardiorespiratory signals and actigraphy. <b>2010</b> , 2010, 5089-92	21
1604	Tournament Searching Method to Feature Selection Problem. <b>2010</b> , 437-444	6
1603	Evaluating stability and comparing output of feature selectors that optimize feature subset cardinality. <b>2010</b> , 32, 1921-39	88
1602	Selecting discrete and continuous features based on neighborhood decision error minimization. <b>2010</b> , 40, 137-50	161
1601	Self-calibrating view-invariant gait biometrics. <b>2010</b> , 40, 997-1008	144
1600	Nearest-neighbor guided evaluation of data reliability and its applications. <b>2010</b> , 40, 1622-33	44
1599	Soft Computing in Industrial Applications. <b>2010</b> ,	2
1598	The effect of feature selection methods on computer-aided detection of masses in mammograms. <b>2010</b> , 55, 2893-904	16
1597	Toward a hybrid brain-computer interface based on imagined movement and visual attention. <b>2010</b> , 7, 26007	218
1596	Edge and Characteristic Subset Selection in Images Using ACO. <b>2010</b> ,	
1595	Multiple Classifier Systems. <b>2010</b> ,	1
1594	Advances in Data Mining. Applications and Theoretical Aspects. <b>2010</b> ,	2
1593	SVD based image manipulation detection. <b>2010</b> ,	9
1592	Automatic identification of Chronic Obstructive Pulmonary Disease Based on forced oscillation measurements and artificial neural networks. <b>2010</b> , 2010, 1394-7	12
1591	A music recommendation system with consideration of personal emotion. <b>2010</b> ,	16



1590	On-Line Handwriting Word Recognition Using a Bi-character Model. <b>2010,</b>	3
1589	Hyperspectral Image Classification Methods. <b>2010, 79-98</b>	7
1588	Can triaxial accelerometry accurately recognize inclined walking terrains?. <b>2010, 57, 2506-16</b>	27
1587	Are all BCI feature extraction methods subject_independent?. <b>2010,</b>	
1586	Monitoring heathland habitat status using hyperspectral image classification and unmixing. <b>2010,</b>	3
1585	Hybrid Systems to Select Variables for Time Series Forecasting Using MLP and Search Algorithms. <b>2010,</b>	1
1584	Modeling enjoyment preference from physiological responses in a car racing game. <b>2010,</b>	43
1583	PGFB: A hybrid feature selection method based on mutual information. <b>2010,</b>	4
1582	Comparison of feature selection schemes for color texture classification. <b>2010,</b>	10
1581	Semantic models for ranking medical images using Dirichlet non-parametric mixture models. <b>2011,</b>	0
1580	Music emotion recognition with consideration of personal preference. <b>2011,</b>	3
1579	Towards robust biohash generation for dynamic handwriting using feature selection. <b>2011,</b>	1
1578	Bilingual acoustic feature selection for emotion estimation using a 3D continuous model. <b>2011,</b>	5
1577	Gene expression complex networks: synthesis, identification, and analysis. <b>2011, 18, 1353-67</b>	31
1576	SELECTION OF NUMERICAL AND NOMINAL FEATURES BASED ON PROBABILISTIC DEPENDENCE BETWEEN FEATURES. <b>2011, 25, 746-767</b>	1
1575	. <b>2011,</b>	3
1574	Joint feature selection and hierarchical classifier design. <b>2011,</b>	7
1573	3D facial expression analysis by using 2D AND 3D wavelet transforms. <b>2011,</b>	5

1572	Improved sequential endmember extraction algorithms. <b>2011,</b>		3
1571	Tree species classification in the Southern Alps with very high geometrical resolution multispectral and hyperspectral data. <b>2011,</b>		5
1570	A Learning Social Network with Multi-modal Affect. <b>2011,</b>		
1569	Landmine detection using boosting classifiers with adaptive feature selection. <b>2011,</b>		1
1568	Bone density assessment of oral implant sites using texture parameters. <b>2011, 2,</b> 167-180		2
1567	Predicting iris vulnerability to direct attacks based on quality related features. <b>2011,</b>		3
1566	Robust Hyperspectral Classification Using Relevance Vector Machine. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2011, 49,</b> 2100-2112	8.1	76
1565	Feature selection and classification of imbalanced datasets: application to PET images of children with autistic spectrum disorders. <b>2011, 57,</b> 1003-14		44
1564	Data mining on DNA sequences of hepatitis B virus. <b>2011, 8,</b> 428-40		27
1563	Microbial Source Tracking: Methods, Applications, and Case Studies. <b>2011,</b>		47
1562	Feature-driven model-based segmentation. <b>2011,</b>		
1561	Pattern Recognition. <b>2011,</b>		63
1560	Effective Supervised Classification of fMRI Activation Maps between Populations by Spatial Descriptors. <b>2011,</b>		
1559	Development of a minimal kinase ensemble receptor (MKER) for surrogate AutoShim. <b>2011, 51,</b> 2697-705		2
1558	A Comparison between Nature-Inspired and Machine Learning Approaches to Detecting Trend Reversals in Financial Time Series. <b>2011, 39-59</b>		1
1557	Particle swarm optimization-based dimensionality reduction for hyperspectral image classification. <b>2011,</b>		10
1556	Heartbeat classification using feature selection driven by database generalization criteria. <b>2011, 58,</b> 616-25		238
1555	Automatic breast density segmentation based on pixel classification. <b>2011,</b>		

1554	Automatic breast density segmentation: an integration of different approaches. <b>2011</b> , 56, 2715-29	40
1553	Using class-based feature selection for the classification of hyperspectral data. <b>2011</b> , 32, 4311-4326	22
1552	Nonparametric feature selection and support vector machine for polarimetric SAR data classification. <b>2011</b> ,	2
1551	Representation. <b>2011</b> , 7-47	
1550	Bio-inspired meta-heuristic as feature selector in ensemble systems: A comparative analysis. <b>2011</b> ,	4
1549	Medical Image Classification Using an Optimal Feature Extraction Algorithm and a Supervised Classifier Technique. <b>2011</b> , 3, 19-33	11
1548	Application of Signal Processing in Power Quality Monitoring. <b>2011</b> ,	2
1547	A GMM-based breast cancer risk stratification using a resonance-frequency electrical impedance spectroscopy. <b>2011</b> , 38, 1649-59	1
1546	Multi-probe-based resonance-frequency electrical impedance spectroscopy for detection of suspicious breast lesions: improving performance using partial ROC optimization. <b>2011</b> ,	
1545	A flexible framework for deriving assertions from electronic medical records. <b>2011</b> , 18, 568-73	47
1544	Robust genetic programming-based detection of atrial fibrillation using RR intervals. <b>2011</b> , 29, no-no	0
1543	An affective computing approach to physiological emotion specificity: toward subject-independent and stimulus-independent classification of film-induced emotions. <b>2011</b> , 48, 908-22	68
1542	Recognising realistic emotions and affect in speech: State of the art and lessons learnt from the first challenge. <b>2011</b> , 53, 1062-1087	407
1541	A new local search based hybrid genetic algorithm for feature selection. <b>2011</b> , 74, 2914-2928	152
1540	. <b>2011</b> , 4, 591-614	23
1539	An Efficient Method for Supervised Hyperspectral Band Selection. <b>2011</b> , 8, 138-142	172
1538	On the Use of Feature Selection for Classifying Multitemporal Radarsat-1 Images for Forest Mapping. <b>2011</b> , 8, 904-908	3
1537	An Ensemble Method for Classifying Startle Eyeblink Modulation from High-Speed Video Records. <b>2011</b> , 2, 50-63	10

1536	Exploiting Local Coherent Patterns for Unsupervised Feature Ranking. <b>2011</b> , 41, 1471-82	29
1535	Automatic detection of obstructive sleep apnea using speech signals. <b>2011</b> , 58, 1373-82	46
1534	Spectral analysis of accelerometry signals from a directed-routine for falls-risk estimation. <b>2011</b> , 58,	30
1533	Differentiating Between Images Using Wavelet-Based Transforms: A Comparative Study. <b>2011</b> , 6, 1418-1431	19
1532	Optimizing Case-based detection performance in a multiview CAD system for mammography. <b>2011</b> , 30, 1001-9	49
1531	Robust brain extraction across datasets and comparison with publicly available methods. <b>2011</b> , 30, 1617-34	315
1530	An efficient statistical feature selection approach for classification of gene expression data. <b>2011</b> , 44, 529-35	85
1529	Determination of steel quality based on discriminating textural feature selection. <b>2011</b> , 66, 6264-6271	9
1528	A comparison of three electrode channels selection methods applied to SSVEP BCI. <b>2011</b> ,	8
1527	Depth of anesthesia during multidrug infusion: separating the effects of propofol and remifentanyl using the spectral features of EEG. <b>2011</b> , 58, 1216-23	21
1526	Gaussian mixture models for semantic ranking in domain specific databases with application in radiology. <b>2011</b> , 1,	
1525	Contourlet-based features for computerized tumor detection in capsule endoscopy images. <b>2011</b> , 39, 2891-9	5
1524	Enhanced predictions of wood properties using hybrid models of PCR and PLS with high-dimensional NIR spectral data. <b>2011</b> , 190, 3-15	5
1523	A support vector machine-based model for detecting top management fraud. <b>2011</b> , 24, 314-321	63
1522	Towards improving cluster-based feature selection with a simplified silhouette filter. <b>2011</b> , 181, 3766-3782	28
1521	Improving vector space embedding of graphs through feature selection algorithms. <b>2011</b> , 44, 1928-1940	35
1520	Progressive dimensionality reduction by transform for hyperspectral imagery. <b>2011</b> , 44, 2760-2773	21
1519	Classification of emotion in spoken Finnish using vowel-length segments: Increasing reliability with a fusion technique. <b>2011</b> , 53, 269-282	12

1518	Validating motor unit firing patterns extracted by EMG signal decomposition. <b>2011</b> , 49, 649-58		17
1517	Combined motor imagery and SSVEP based BCI control of a 2 DoF artificial upper limb. <b>2011</b> , 49, 567-77		100
1516	Multimodal microscopy for automated histologic analysis of prostate cancer. <b>2011</b> , 11, 62		65
1515	Identifying cancer biomarkers by network-constrained support vector machines. <b>2011</b> , 5, 161		61
1514	Inference of gene regulatory networks from time series by Tsallis entropy. <b>2011</b> , 5, 61		26
1513	SPINE: a domain-specific framework for rapid prototyping of WBSN applications. <b>2011</b> , 41, 237-265		72
1512	Feature subset selection: a correlation-based SVM filter approach. <b>2011</b> , 6, 173-179		12
1511	Hybrid feature selection by combining filters and wrappers. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 8144-8150	7.8	179
1510	Defuzzification of spatial fuzzy sets by feature distance minimization. <b>2011</b> , 29, 127-141		12
1509	Classification of Error-Related Negativity (ERN) and Positivity (Pe) potentials using kNN and Support Vector Machines. <b>2011</b> , 41, 98-109		19
1508	A hybrid feature selection method for DNA microarray data. <b>2011</b> , 41, 228-37		72
1507	Automatic recognition of five types of white blood cells in peripheral blood. <b>2011</b> , 35, 333-43		166
1506	Whodunnit Searching for the most important feature types signalling emotion-related user states in speech. <b>2011</b> , 25, 4-28		94
1505	Boosting part-sense multi-feature learners toward effective object detection. <b>2011</b> , 115, 364-374		5
1504	On guided model-based analysis for ear biometrics. <b>2011</b> , 115, 487-502		36
1503	Wavelet selection for disease classification by DNA microarray data. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 990-995	7.8	19
1502	Reduced Reward-punishment editing for building ensembles of classifiers. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 2395-2400	7.8	14
1501	Improved binary particle swarm optimization using catfish effect for feature selection. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 12699-12707	7.8	162

1500	Gene selection and classification using Taguchi chaotic binary particle swarm optimization. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 13367-13377	7.8	54
1499	A GRASP algorithm for fast hybrid (filter-wrapper) feature subset selection in high-dimensional datasets. <i>Pattern Recognition Letters</i> , <b>2011</b> , 32, 701-711	4.7	80
1498	Rough set based approaches to feature selection for Case-Based Reasoning classifiers. <i>Pattern Recognition Letters</i> , <b>2011</b> , 32, 280-292	4.7	48
1497	Feature selection in interactive face retrieval. <b>2011</b> ,		4
1496	Accelerometry-based classification of human activities using Markov modeling. <b>2011</b> , 2011, 647858		40
1495	A novel feature selection algorithm for high-dimensional condition monitoring data. <b>2011</b> , 1, 33-43		1
1494	Application of Nonlinear Dynamics Characterization to Emotional Speech. <b>2011</b> , 127-136		6
1493	Feature Extraction of Colon Cancer's Gene. <b>2011</b> ,		
1492	Source color laser printer identification using discrete wavelet transform and feature selection algorithms. <b>2011</b> ,		14
1491	A new segmentation framework for infrared spectroscopic imaging using frequent pattern mining. <b>2011</b> ,		
1490	Differentiating between computer generated and natural images using wavelet based transforms. <b>2011</b> ,		
1489	A feature-based approach for refinement of model-based segmentation of low contrast structures. <b>2011</b> , 2011, 7977-80		1
1488	Classification between non-multiple fallers and multiple fallers using a triaxial accelerometry-based system. <b>2011</b> , 2011, 1499-502		6
1487	Group lasso regularized multiple kernel learning for heterogeneous feature selection. <b>2011</b> ,		3
1486	A new road extraction approach for low-frequency SAR images based on road appurtenance detection. <b>2011</b> ,		
1485	. <b>2011</b> ,		4
1484	Generation of intervention strategy for a genetic regulatory network represented by a family of Markov Chains. <b>2011</b> , 2011, 7610-3		
1483	A feature selection technique based on equivalent relation. <b>2011</b> ,		

1482	Sequential Classifier Combination for Pattern Recognition in Wireless Sensor Networks. <b>2011</b> , 187-196	2
1481	Co-Occurrence of Local Binary Patterns Features for Frontal Face Detection in Surveillance Applications. <b>2011</b> , 2011, 1-17	11
1480	IMPROVING INCREMENTAL WRAPPER-BASED SUBSET SELECTION VIA REPLACEMENT AND EARLY STOPPING. <b>2011</b> , 25, 605-625	23
1479	Feature subset selection based on co-evolution for pedestrian detection. <b>2011</b> , 33, 867-879	3
1478	Chlorophyll fluorescence emission as a reporter on cold tolerance in Arabidopsis thaliana accessions. <b>2011</b> , 6, 301-10	54
1477	Simultaneous automatic detection of optic disc and fovea on fundus photographs. <b>2011</b> ,	2
1476	The application of feature selection methods to analyze the tissue microarray data. <b>2011</b> ,	
1475	PSO and Computationally Inexpensive Sequential Forward Floating Selection in acquiring significant features for handwritten authorship. <b>2011</b> ,	7
1474	A New Methodology in Steganalysis: Breaking Highly Undetectable Steganography (HUGO). <b>2011</b> , 71-84	32
1473	Fuzzy Mutual Information Based min-Redundancy and Max-Relevance Heterogeneous Feature Selection. <b>2011</b> , 4, 619-633	22
1472	High-dimensional bolstered error estimation. <b>2011</b> , 27, 3056-64	5
1471	Selecting variables with search algorithms and neural networks to improve the process of time series forecasting. <b>2011</b> , 8, 129-141	4
1470	Machine learning approach for locating phase interfaces using conductivity probes. <b>2011</b> , 19, 879-902	3
1469	A comparison of neural networks for FDI of rolling element bearings demonstrated on experimental rig data. <b>2011</b> , 225, 1012-1026	
1468	Auto-segmentation of normal and target structures in head and neck CT images: a feature-driven model-based approach. <b>2011</b> , 38, 6160-70	86
1467	A Decision Support System for the Prediction of the Trabecular Fracture Zone. <b>2012</b> , 163-174	
1466	User Modeling, Adaptation, and Personalization. <b>2012</b> ,	2
1465	Locational relativity and domain constraints in spatial questions. <b>2012</b> ,	

1464	Feature-Based Forensic Camera Model Identification. <b>2012</b> , 42-62	33
1463	GENERATION OF STATIONARY CONTROL POLICIES WITH BEST EXPECTED PERFORMANCE FOR A FAMILY OF MARKOV CHAINS. <b>2012</b> , 20, 423-440	1
1462	Efficient misbehaving user detection in online video chat services. <b>2012</b> ,	7
1461	Automated computer-aided detection of prostate cancer in MR images: from a whole-organ to a zone-based approach. <b>2012</b> ,	9
1460	Real-time hyperspectral processing for automatic nonferrous material sorting. <b>2012</b> , 21, 013018	25
1459	Combination of amplitude and phase features under a uniform framework with EMD in EEG-based Brain-Computer Interface. <b>2012</b> , 2012, 1687-90	3
1458	Improving Nearest Neighbor Classification by Elimination of Noisy Irrelevant Features. <b>2012</b> , 11-21	2
1457	Knowledge Technology. <b>2012</b> ,	
1456	Application of Support Vector Machine for Emotion Classification. <b>2012</b> ,	6
1455	Image manipulation detection using contourlet transform. <b>2012</b> ,	
1454	Evaluating different combinations of feature selection algorithms and cost functions applied to iPCA tuning in myoelectric control systems. <b>2012</b> , 2012, 6508-13	1
1453	A multi-objective particle swarm optimisation for filter-based feature selection in classification problems. <b>2012</b> , 24, 91-116	77
1452	Indoor robotic terrain classification via angular velocity based hierarchical classifier selection. <b>2012</b> ,	10
1451	A Novel Multiple Kernel Learning Framework for Heterogeneous Feature Fusion and Variable Selection. <b>2012</b> , 14, 563-574	46
1450	Global and local detection of liver steatosis from ultrasound. <b>2012</b> , 2012, 6547-50	10
1449	In-vivo fault prediction for RF generators using variable elimination and state-of-the-art classifiers. <b>2012</b> ,	1
1448	Transactions on Data Hiding and Multimedia Security VIII. <b>2012</b> ,	
1447	GENE EXPRESSION DATA CLASSIFICATION COMBINING HIERARCHICAL REPRESENTATION AND EFFICIENT FEATURE SELECTION. <b>2012</b> , 20, 349-375	5



1446	Automatic computer-aided detection of prostate cancer based on multiparametric magnetic resonance image analysis. <b>2012</b> , 57, 1527-42	84
1445	Geometrically robust image hashing scheme for image authentication. <b>2012</b> ,	
1444	Automated Classification and Visualization of Healthy and Diseased Hard Dental Tissues by Near-Infrared Hyperspectral Imaging. <b>2012</b> , 66, 1067-1074	15
1443	Semantic Role Labeling of Implicit Arguments for Nominal Predicates. <b>2012</b> , 38, 755-798	12
1442	Rough-Mutual Feature Selection Based on Min-Uncertainty and Max-Certainty. <b>2012</b> , E95.D, 970-981	1
1441	Complementary distribution BPSO for feature selection. <b>2012</b> , 16, 183-198	
1440	Multimodal retinal vessel segmentation from spectral-domain optical coherence tomography and fundus photography. <b>2012</b> , 31, 1900-11	30
1439	Particle Swarm Optimization-Based Hyperspectral Dimensionality Reduction for Urban Land Cover Classification. <b>2012</b> , 5, 544-554	89
1438	A New Sequential Algorithm for Hyperspectral Endmember Extraction. <b>2012</b> , 9, 695-699	11
1437	Feature Selection and Heterogeneous Descriptors. <b>2012</b> , 247-266	
1436	Online Signature Verification Based on Generative Models. <b>2012</b> , 42, 1231-42	32
1435	Forest variable estimation using a high-resolution digital surface model. <b>2012</b> , 74, 78-84	98
1434	Combining multiple approaches for gene microarray classification. <b>2012</b> , 28, 1151-7	37
1433	Feature selection for classification of oscillating time series. <b>2012</b> , 29, 456-477	8
1432	Supervised texture classification: color space or texture feature selection?. <b>2012</b> , 16, 1	9
1431	Mandarin emotion recognition combining acoustic and emotional point information. <b>2012</b> , 37, 602-612	45
1430	Design of a fuzzy-based decision support system for coronary heart disease diagnosis. <b>2012</b> , 36, 3293-306	46
1429	Polarimetric classification of Boreal forest using nonparametric feature selection and multiple classifiers. <b>2012</b> , 19, 139-150	35

1428	Iris liveness detection based on quality related features. <b>2012,</b>	63
1427	Microarray classification with hierarchical data representation and novel feature selection criteria. <b>2012,</b>	
1426	An empirical study on dimensionality reduction and improvement of classification accuracy using feature subset selection and ranking. <b>2012,</b>	3
1425	Multi-classifier System Configuration Using Genetic Algorithms. <b>2012,</b>	1
1424	Selection and combination of local Gabor classifiers for robust face verification. <b>2012,</b>	2
1423	Identifying bacterial virulent proteins by fusing a set of classifiers based on variants of Chou's pseudo amino acid composition and on evolutionary information. <b>2012, 9, 467-75</b>	135
1422	Automatic detection of laryngeal pathologies using cepstral analysis in Mel and Bark scales. <b>2012,</b>	3
1421	A feasibility study of drowsiness detection using driving behaviour parameters. <b>2012,</b>	3
1420	Towards higher accuracy in supervised learning and dimensionality reduction by attribute subset selection - A pragmatic analysis. <b>2012,</b>	3
1419	Evaluation of Features for Electrode Location Robustness in Brain-Computer Interface (BCI). <b>2012,</b>	
1418	Realization of partial discharge signals in transformer oils utilizing advanced computational techniques. <b>2012, 19, 1971-1981</b>	13
1417	A wearable sensor module with a neural-network-based activity classification algorithm for daily energy expenditure estimation. <b>2012, 16, 991-8</b>	40
1416	Tree species classification in the Southern Alps based on the fusion of very high geometrical resolution multispectral/hyperspectral images and LiDAR data. <b>2012, 123, 258-270</b>	277
1415	Efficient feature selection filters for high-dimensional data. <i>Pattern Recognition Letters</i> , <b>2012, 33, 1794-1804</b>	110
1414	Histology-based oral lesion classification. <b>2012,</b>	2
1413	Speckle reduction for the forest mapping analysis of multi-temporal Radarsat-1 images. <b>2012, 33, 1349-1359</b>	16
1412	Feature selection based on max <sub>thin</sub> -associated indices for classification of remotely sensed imagery. <b>2012, 33, 5492-5512</b>	8
1411	Automatic analysis of trabecular bone structure from knee MRI. <b>2012, 42, 735-42</b>	3

1410	Application of recurrence quantification analysis to automatically estimate infant sleep states using a single channel of respiratory data. <b>2012</b> , 50, 851-65	17
1409	A wrapper feature selection for the polarimetric SAR data classification. <b>2012</b> ,	2
1408	Feature selection on node statistics based embedding of graphs. <i>Pattern Recognition Letters</i> , <b>2012</b> , 33, 1980-1990	4-7 8
1407	Heathland conservation status mapping through integration of hyperspectral mixture analysis and decision tree classifiers. <b>2012</b> , 126, 222-231	66
1406	Clavicle segmentation in chest radiographs. <b>2012</b> , 16, 1490-502	36
1405	Incorporation of texture-based features in optimal graph-theoretic approach with application to the 3D segmentation of intraretinal surfaces in SD-OCT volumes. <b>2012</b> ,	7
1404	Simulation of millimeter-wave body images and its application to biometric recognition. <b>2012</b> ,	6
1403	Harmony-based feature selection to improve the nearest neighbor classification. <b>2012</b> ,	
1402	Classification of physical activities based on sparse representation. <b>2012</b> , 2012, 6200-3	3
1401	Analysis of physiological responses from multiple subjects for emotion recognition. <b>2012</b> ,	4
1400	Image Registration. <b>2012</b> ,	104
1399	Assessing the gain of biological data integration in gene networks inference. <b>2012</b> , 13 Suppl 6, S7	6
1398	Staging of the liver fibrosis from CT images using texture features. <b>2012</b> ,	6
1397	Laser-Induced Breakdown Spectroscopy: Fundamentals, Applications, and Challenges. <b>2012</b> , 2012, 1-12	106
1396	Statistical and similarity methods for classifying emotion in suicide notes. <b>2012</b> , 5, 195-204	5
1395	Welding Diagnostics by Means of Particle Swarm Optimization and Feature Selection. <b>2012</b> , 2012, 1-11	7
1394	Brain computer interfaces, a review. <b>2012</b> , 12, 1211-79	1077
1393	Detecting thermophilic proteins through selecting amino acid and dipeptide composition features. <b>2012</b> , 42, 1947-53	17

1392	Acoustic feature selection and classification of emotions in speech using a 3D continuous emotion model. <b>2012</b> , 7, 79-87		21
1391	Test-retest reliability and feature selection in physiological time series classification. <b>2012</b> , 105, 50-60		13
1390	Feature extraction for ECG heartbeats using higher order statistics of WPD coefficients. <b>2012</b> , 105, 257-67		153
1389	Segmentation of retinal vessels with a hysteresis binary-classification paradigm. <b>2012</b> , 36, 325-35		14
1388	Measuring instance difficulty for combinatorial optimization problems. <b>2012</b> , 39, 875-889		121
1387	Using decision fusion of feature selection in digital forensics for camera source model identification. <b>2012</b> , 34, 292-304		17
1386	Feature selection using structural similarity. <b>2012</b> , 198, 48-61		25
1385	Oil spill feature selection and classification using decision tree forest on SAR image data. <b>2012</b> , 68, 135-143		84
1384	A new hybrid ant colony optimization algorithm for feature selection. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 3747-3763	7.8	147
1383	Fast wrapper feature subset selection in high-dimensional datasets by means of filter re-ranking. <b>2012</b> , 25, 35-44		106
1382	Contextual computer-aided detection: improving bright lesion detection in retinal images and coronary calcification identification in CT scans. <b>2012</b> , 16, 50-62		34
1381	Synthetic on-line signature generation. Part II: Experimental validation. <b>2012</b> , 45, 2622-2632		44
1380	Application of global optimization methods to model and feature selection. <b>2012</b> , 45, 3676-3686		37
1379	An automatic patient-adapted ECG heartbeat classifier allowing expert assistance. <b>2012</b> , 59, 2312-20		72
1378	Tumor recognition in wireless capsule endoscopy images using textural features and SVM-based feature selection. <b>2012</b> , 16, 323-9		104
1377	Two-stage hybrid feature selection algorithms for diagnosing erythemato-squamous diseases. <b>2013</b> , 1, 10		21
1376	Mind reading with regularized multinomial logistic regression. <b>2013</b> , 24, 1311-1325		24
1375	Incorporating support vector machines with multiple criteria decision making for financial crisis analysis. <b>2013</b> , 47, 3481-3492		7

1374	Data Preparation by CFS: An Essential Approach for Decision Making Using C 4.5 for Medical Data Mining. <b>2013</b> ,		1
1373	Security and Privacy in Biometrics. <b>2013</b> ,		51
1372	Particle swarm optimization for feature selection in classification: a multi-objective approach. <b>2013</b> , 43, 1656-71		716
1371	Speaker-independent speech emotion recognition by fusion of functional and accompanying paralinguistic features. <b>2013</b> , 14, 573-582		4
1370	Radarsat-2 Polarimetric SAR Data for Boreal Forest Classification Using SVM and a Wrapper Feature Selector. <b>2013</b> , 6, 1531-1538		37
1369	Nonlinear Dynamics for Hypernasality Detection in Spanish Vowels and Words. <b>2013</b> , 5, 448-457		16
1368	Global Selection of Features for Nonlinear Dynamics Characterization of Emotional Speech. <b>2013</b> , 5, 517-525	3	
1367	Modified sequential floating selection for blood glucose monitoring using near infrared spectral data. <b>2013</b> , 80, 284-288		1
1366	References. <b>2013</b> , 1052-1069		
1365	Optimal gene subset selection using the modified SFFS algorithm for tumor classification. <b>2013</b> , 23, 1531-15388		
1364	A hybrid breast cancer detection system via neural network and feature selection based on SBS, SFS and PCA. <b>2013</b> , 23, 719-728		17
1363	Framework for reliable, real-time facial expression recognition for low resolution images. <i>Pattern Recognition Letters</i> , <b>2013</b> , 34, 1159-1168	4-7	98
1362	Application of the Teager-Kaiser energy operator in bearing fault diagnosis. <b>2013</b> , 52, 278-84		73
1361	. <b>2013</b> ,		11
1360	Symptom selection for multi-label data of inquiry diagnosis in traditional Chinese medicine. <b>2013</b> , 56, 1-13		41
1359	Automatic sleep staging: A computer assisted approach for optimal combination of features and polysomnographic channels. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 7046-7059	7.8	70
1358	An empirical study on the matrix-based protein representations and their combination with sequence-based approaches. <b>2013</b> , 44, 887-901		16
1357	A construction of a compressed description of data using a function of rival similarity. <b>2013</b> , 7, 275-286		1

1356	Phased searching with NEAT in a time-scaled framework: experiments on a computer-aided detection system for lung nodules. <b>2013</b> , 59, 157-67		23
1355	Prediction of near-term breast cancer risk based on bilateral mammographic feature asymmetry. <b>2013</b> , 20, 1542-50		35
1354	Locality Preserving Genetic Algorithms for Spatial-Spectral Hyperspectral Image Classification. <b>2013</b> , 6, 1688-1697		31
1353	Swarm, Evolutionary, and Memetic Computing. <b>2013</b> ,		
1352	Computational Intelligence in Image Processing. <b>2013</b> ,		2
1351	Algorithm learning based neural network integrating feature selection and classification. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 231-241	7.8	29
1350	A new approach for prediction of tumor sensitivity to targeted drugs based on functional data. <b>2013</b> , 14, 239		33
1349	An experimental evaluation of the incidence of fitness-function/search-algorithm combinations on the classification performance of myoelectric control systems with iPCA tuning. <b>2013</b> , 12, 133		1
1348	A Lightweight Gait Authentication on Mobile Phone Regardless of Installation Error. <b>2013</b> , 83-101		12
1347	Spectral similarity-preserving hyperspectral band selection. <b>2013</b> , 4, 969-978		5
1346	A new fuzzy-based feature selection and hybrid TLANN modelling for short-term load forecasting. <b>2013</b> , 25, 543-557		27
1345	Applications of PathFinder Network Scaling for Improving the Ranking of Satellite Images. <b>2013</b> , 6, 1092-1099		5
1344	. <b>2013</b> , 14, 1681-1689		2
1343	Harmony search based wrapper feature selection method for 1-nearest neighbour classifier. <b>2013</b> ,		3
1342	Feature-selected tree-based classification. <b>2013</b> , 43, 1990-2004		18
1341	The study on feature selection strategy in EMG signal recognition. <b>2013</b> ,		1
1340	Using 3D Virtual Environments to Monitor Elderly Patient Activity with Low Cost Sensors. <b>2013</b> ,		1
1339	An Evolutionary Two-Objective Genetic Algorithm for Asthma Prediction. <b>2013</b> ,		7

1338	Emotion recognition based on spatially smooth spectral features of the EEG. <b>2013,</b>	
1337	An effective variable selection algorithm for Aggressive/Calm Driving detection via CAN bus. <b>2013,</b>	8
1336	Spectral resampling based on user-defined inter-band correlation filter: C3 and C4 grass species classification. <b>2013, 21, 535-544</b>	32
1335	An Improved Band Selection Technique for Hyperspectral Data Using Factor Analysis. <b>2013, 41, 199-211</b>	9
1334	Paralinguistics in speech and language State-of-the-art and the challenge. <b>2013, 27, 4-39</b>	131
1333	Modeling and inference of genetic interactions. <b>2013, 3, 453-466</b>	
1332	Class specific dynamic feature selection technique Towards human movement based biometrics application. <b>2013,</b>	1
1331	Discriminative methods for classification of asynchronous imaginary motor tasks from EEG data. <b>2013, 21, 716-24</b>	50
1330	A Guided Hybrid Genetic Algorithm for Feature Selection with Expensive Cost Functions. <b>2013, 18, 2337-2346</b>	29
1329	Resampling methods for quality assessment of classifier performance and optimal number of features. <b>2013, 93, 2956-2968</b>	6
1328	Vibrodiagnostics of gearboxes using NBV-based classifier: A pattern recognition approach. <b>2013, 38, 5-22</b>	14
1327	Presenting a new search strategy to select synchronization values for classifying bipolar mood disorders from schizophrenic patients. <b>2013, 26, 913-923</b>	14
1326	Fit-for-duty test for estimation of drivers sleepiness level: Eye movements improve the sleep/wake predictor. <b>2013, 26, 20-32</b>	46
1325	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2013, 51, 2632-2645</b>	8.1 206
1324	Graph-Based Visualisation of High Dimensional Data. <b>2013, 43-91</b>	
1323	Multimodal recognition of visual concepts using histograms of textual concepts and selective weighted late fusion scheme. <b>2013, 117, 493-512</b>	19
1322	Signal propagation in Bayesian networks and its relationship with intrinsically multivariate predictive variables. <b>2013, 225, 18-34</b>	8
1321	Customer credit scoring based on HMM/GMDH hybrid model. <b>2013, 36, 731-747</b>	14

1320	A Multiple SVM System for Classification of Hyperspectral Remote Sensing Data. <b>2013</b> , 41, 763-776	26
1319	A fuzzy classifier approach to estimating software quality. <b>2013</b> , 241, 1-11	12
1318	Feature Mining for Hyperspectral Image Classification. <b>2013</b> , 101, 676-697	253
1317	Advances in Nonlinear Speech Processing. <b>2013</b> ,	1
1316	Multiple extreme learning machines for a two-class imbalance corporate life cycle prediction. <b>2013</b> , 39, 214-223	41
1315	Multilayer graph cuts based unsupervised color texture image segmentation using multivariate mixed student's t-distribution and regional credibility merging. <b>2013</b> , 46, 1101-1124	28
1314	Classifier-based learning of nonlinear feature manifold for visualization of emotional speech prosody. <b>2013</b> , 4, 47-56	17
1313	EEG-based recognition of video-induced emotions: selecting subject-independent feature set. <b>2013</b> , 2013, 4287-90	12
1312	Gait-based person identification by spectral, cepstral and energy-related audio features. <b>2013</b> ,	10
1311	A classification system based on a new wrapper feature selection algorithm for the diagnosis of primary and secondary polycythemia. <b>2013</b> , 43, 2118-26	8
1310	Digital forensics for printed source identification. <b>2013</b> ,	7
1309	Hybrid system for lymphatic diseases diagnosis. <b>2013</b> ,	13
1308	Band Grouping versus Band Clustering in SVM Ensemble Classification of Hyperspectral Imagery. <b>2013</b> , 79, 523-533	6
1307	A flexible framework for recognizing events, temporal expressions, and temporal relations in clinical text. <b>2013</b> , 20, 867-75	28
1306	Feature selection for gaze, pupillary, and EEG signals evoked in a 3D environment. <b>2013</b> ,	4
1305	Prostate cancer: computer-aided diagnosis with multiparametric 3-T MR imaging--effect on observer performance. <b>2013</b> , 266, 521-30	84
1304	Automatic socio-economic classification of households using electricity consumption data. <b>2013</b> ,	40
1303	Going beyond traits. <b>2013</b> ,	15



1302	Real-time human ambulation, activity, and physiological monitoring: taxonomy of issues, techniques, applications, challenges and limitations. <b>2013</b> , 13, 12852-902		83
1301	Pressure-induced near infrared spectra response as a valuable source of information for soft tissue classification. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 047002	3-5	6
1300	SOCIFS feature selection framework for handwritten authorship. <b>2013</b> , 10, 83-91		6
1299	Computer aided diagnostic support system for skin cancer: a review of techniques and algorithms. <b>2013</b> , 2013, 323268		162
1298	Neuromuscular disease classification system. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 066017	3-5	9
1297	Feature Selection and Ranking. <b>2013</b> , 105-118		
1296	Fingerprint Template Protection: From Theory to Practice. <b>2013</b> , 187-214		16
1295	A Fast and Efficient Haar-Like Feature Selection Algorithm for Object Detection. <b>2013</b> , 38A, 486-491		3
1294	Compression Schemes for Mining Large Datasets. <b>2013</b> ,		3
1293	Computer-aided Detection of Architectural Distortion in Prior Mammograms of Interval Cancer. <b>2013</b> , 8, 1-193		8
1292	2-SiMDoM: A 2-Sieve model for detection of mitosis in multispectral breast cancer imagery. <b>2013</b> ,		5
1291	A comparative evaluation of filter-based feature selection methods for hyper-spectral band selection. <b>2013</b> , 34, 7974-7990		26
1290	A Research about Pattern Recognition of Control Chart Using Optimized ANFIS and Selected Features. <b>2013</b> , 3, 6		4
1289	COMBINATION OF MULTIPLE FEATURE SELECTION METHODS FOR TEXT CATEGORIZATION BY USING COMBINATORIAL FUSION ANALYSIS AND RANK-SCORE CHARACTERISTIC. <b>2013</b> , 22, 1350001		12
1288	Analysis of Speech from People with Parkinson's Disease through Nonlinear Dynamics. <b>2013</b> , 112-119		13
1287	Speech emotional features extraction based on electroglottograph. <b>2013</b> , 25, 3294-317		43
1286	Unsupervised selection of training plots and trees for tree species classification. <b>2013</b> ,		
1285	A Comparison between Global and Local Features for Computational Classification of Folk Song Melodies. <b>2013</b> , 42, 1-18		30

1284	Growing seed genes from time series data and thresholded Boolean networks with perturbation. <b>2013</b> , 10, 37-49	9
1283	Feature Selection by Iterative Block Addition and Block Deletion. <b>2013</b> ,	1
1282	Computer-aided diagnosis for knee meniscus tears in magnetic resonance imaging. <b>2013</b> , 30, 67-77	4
1281	MULTI-OBJECTIVE EVOLUTIONARY ALGORITHMS FOR FILTER BASED FEATURE SELECTION IN CLASSIFICATION. <b>2013</b> , 22, 1350024	40
1280	MULTI-FEATURE-BASED SEGMENTATION OF SONOELASTOGRAPHIC BREAST IMAGES. <b>2013</b> , 09, 1250005	
1279	Dynamic topographical pattern classification of multichannel prefrontal NIRS signals. <b>2013</b> , 10, 046018	21
1278	Machine Learning in Computer-aided Diagnosis of the Thorax and Colon in CT: A Survey. <b>2013</b> , E96-D, 772-783	24
1277	Affective tutoring systems in a learning social network. <b>2013</b> , 23, 91	2
1276	Ant colony optimization for supervised and unsupervised hyperspectral band selection. <b>2013</b> ,	4
1275	Foreign object detection and removal to improve automated analysis of chest radiographs. <b>2013</b> , 40, 071901	4
1274	Feature selection for appearance-based vehicle tracking in geospatial video. <b>2013</b> ,	6
1273	Pixel classification and post-processing of plant parts using multi-spectral images of sweet-pepper. <b>2013</b> , 46, 150-155	4
1272	Ant Colony Optimization Toward Feature Selection. <b>2013</b> ,	2
1271	An optimized band selection scheme for hyperspectral imagery analysis. <b>2013</b> ,	
1270	Effective classification and gene expression profiling for the Facioscapulohumeral Muscular Dystrophy. <b>2013</b> , 8, e82071	4
1269	Machine-based morphologic analysis of glioblastoma using whole-slide pathology images uncovers clinically relevant molecular correlates. <b>2013</b> , 8, e81049	71
1268	Elderly healthcare monitoring using an avatar-based 3D virtual environment. <b>2013</b> , 10, 7283-98	11
1267	Feature selection method based on artificial bee colony algorithm and support vector machines for medical datasets classification. <b>2013</b> , 2013, 419187	53

1266	. <b>2013</b> ,	389
1265	State-of-the-Art Neural Networks Applications in Biology. <b>2013</b> , 2, 63-85	1
1264	Genetic Optimization for Associative Semantic Ranking Models of Satellite Images by Land Cover. <b>2013</b> , 2, 531-552	2
1263	SpyNetMiner. <b>2014</b> , 10, 32-54	1
1262	Automatic conversational scene analysis in children with Asperger syndrome/high-functioning autism and typically developing peers. <b>2014</b> , 9, e85819	1
1261	Revisiting the preprocessing procedures for elemental concentration estimation based on chemcam libs on mars rover. <b>2014</b> ,	13
1260	Use intermediate results of wrapper band selection methods: A first step toward the optimization of spectral configuration for land cover classifications. <b>2014</b> ,	2
1259	Informative gene selection and direct classification of tumor based on Chi-square test of pairwise gene interactions. <b>2014</b> , 2014, 589290	7
1258	SVM-RFE based feature selection and Taguchi parameters optimization for multiclass SVM classifier. <b>2014</b> , 2014, 795624	86
1257	Combined image enhancement, feature extraction, and classification protocol to improve detection and diagnosis of rotator-cuff tears on MR imaging. <b>2014</b> , 13, 155-66	4
1256	Automatic Target Detection In Hyperspectral Images Using Neural Network. <b>2014</b> , 4, 39-46	
1255	A New Approach for Coronary Artery Diseases Diagnosis Based on Genetic Algorithm. <b>2014</b> , 6, 1-15	5
1254	. <b>2014</b> ,	103
1253	Feature Selection Methods on Biological Knowledge Discovery and Data Mining: A Survey. <b>2014</b> ,	4
1252	Multi-variable Neural Network Forecasting Using Two Stage Feature Selection. <b>2014</b> ,	0
1251	Dynamic topographical pattern classification of multichannel prefrontal NIRS signals: II. Online differentiation of mental arithmetic and rest. <b>2014</b> , 11, 016003	53
1250	Feature selection for problem decomposition on high dimensional optimization. <b>2014</b> ,	
1249	Investigation of feature selection for historical document layout analysis. <b>2014</b> ,	3

1248	Spectral and textural features for automatic classification of fricatives. <b>2014,</b>			3
1247	Segmentation and classification of capnograms: application in respiratory variability analysis. <b>2014,</b> 35, 2343-58			10
1246	MobilLive 2014 - Mobile Iris Liveness Detection Competition. <b>2014,</b>			18
1245	An Integrated Approach to Anti-Cancer Drug Sensitivity Prediction. <b>2014, 11,</b> 995-1008			16
1244	Introduction to Pattern Recognition and Bioinformatics. <b>2014,</b> 1-42			
1243	Impact of contact pressure-induced spectral changes on soft-tissue classification in diffuse reflectance spectroscopy: problems and solutions. <i>Journal of Biomedical Optics</i> , <b>2014,</b> 19, 37002	3.5		15
1242	References. <b>2014,</b> 423-439			
1241	A new mass classification system derived from multiple features and a trained MLP model. <b>2014,</b>			2
1240	. <b>2014,</b>			5
1239	Fake Iris Detection: A Comparison between Near-Infrared and Visible Images. <b>2014,</b>			4
1238	A Method of Discriminative Information Preservation and In-Dimension Distance Minimization Method for Feature Selection. <b>2014,</b>			
1237	Detection and classification of voice pathology using feature selection. <b>2014,</b>			2
1236	Adaptive Regression and Classification Models with Applications in Insurance. <b>2014,</b> 15, 28-31			1
1235	Effects of band selection on endmember extraction for forestry applications. <b>2014,</b>			2
1234	Multimodal continuous affect recognition based on LSTM and multiple kernel learning. <b>2014,</b>			8
1233	Iris liveness detection methods in the mobile biometrics scenario. <b>2014,</b>			10
1232	An archive based particle swarm optimisation for feature selection in classification. <b>2014,</b>			13
1231	Hypnogram and sleep parameter computation from activity and cardiovascular data. <b>2014,</b> 61, 1711-9			22

1230	High-Dimensional Data Classification. <b>2014</b> , 119-150	7
1229	Comparative Analysis of Filter-Wrapper Approach for Random Forest Performance on Multivariate Data. <b>2014</b> ,	2
1228	Combining EO-1 Hyperion and Envisat ASAR data for mangrove species classification in Mai Po Ramsar Site, Hong Kong. <b>2014</b> , 35, 7828-7856	29
1227	Artificial Neural Networks in Pattern Recognition. <b>2014</b> ,	2
1226	Discrimination of Wheat Grain Varieties Using Image Analysis and Multidimensional Analysis Texture of Grain Mass. <b>2014</b> , 17, 139-151	21
1225	Exploiting periocular and RGB information in fake iris detection. <b>2014</b> ,	3
1224	A new and fast image feature selection method for developing an optimal mammographic mass detection scheme. <b>2014</b> , 41, 081906	8
1223	Identification of suitable fundus images using automated quality assessment methods. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 046006	3.5 48
1222	Classification of normal and pathological aging processes based on brain MRI morphology measures. <b>2014</b> ,	
1221	A Novel Feature Selection Approach for Intrusion Detection Data Classification. <b>2014</b> ,	12
1220	Description and classification of normal and pathological aging processes based on brain magnetic resonance imaging morphology measures. <b>2014</b> , 1, 034002	6
1219	Multiclass feature selection using computational homology for Lamb waveBased damage characterization. <b>2014</b> , 25, 1511-1527	5
1218	Hybrid Feature Selection for Historical Document Layout Analysis. <b>2014</b> ,	11
1217	PSO and Statistical Clustering for Feature Selection: A New Representation. <b>2014</b> , 569-581	15
1216	BINARY PSO AND ROUGH SET THEORY FOR FEATURE SELECTION: A MULTI-OBJECTIVE FILTER BASED APPROACH. <b>2014</b> , 13, 1450009	43
1215	Pattern Recognition in Bioinformatics. <b>2014</b> ,	
1214	Edge Detection Using Cellular Automata. <b>2014</b> , 85-103	9
1213	A Survey on Filter Techniques for Feature Selection in Text Mining. <b>2014</b> , 1545-1559	8

1212	Best regions for periocular recognition with NIR and visible images. <b>2014</b> ,		7
1211	A human geospatial predictive analytics framework with application to finding medically underserved areas. <b>2014</b> ,		0
1210	Novel multiclass classification for home-based diagnosis of sleep apnea hypopnea syndrome. <i>Expert Systems With Applications</i> , <b>2014</b> , 41, 1654-1662	7.8	25
1209	Nonlinear dynamics characterization of emotional speech. <b>2014</b> , 132, 126-135		16
1208	Towards automated detection of milk spot livers by diffuse reflectance spectroscopy. <b>2014</b> , 124, 128-132		
1207	Automatic detection of subsolid pulmonary nodules in thoracic computed tomography images. <b>2014</b> , 18, 374-84		158
1206	Channel selection methods for the P300 Speller. <b>2014</b> , 232, 6-15		59
1205	Recent developments in the study of rapid human movements with the kinematic theory: Applications to handwriting and signature synthesis. <i>Pattern Recognition Letters</i> , <b>2014</b> , 35, 225-235	4.7	54
1204	A filter-dominating hybrid sequential forward floating search method for feature subset selection in high-dimensional space. <b>2014</b> , 5, 413-423		26
1203	Selection of discriminative sub-regions for palmprint recognition. <b>2014</b> , 68, 1023-1050		16
1202	Source identification for mobile devices, based on wavelet transforms combined with sensor imperfections. <b>2014</b> , 96, 829-841		9
1201	Image Quality Assessment for Fake Biometric Detection: Application to Iris, Fingerprint, and Face Recognition. <b>2014</b> , 23, 710-24		377
1200	Applications and Markets for Cooperating Objects. <b>2014</b> ,		6
1199	Comparison of the Different Classifiers in Vegetation Species Discrimination Using Hyperspectral Reflectance Data. <b>2014</b> , 42, 61-72		6
1198	Soft Computing in Industrial Applications. <b>2014</b> ,		2
1197	Digital forensics of printed source identification for Chinese characters. <b>2014</b> , 73, 2129-2155		18
1196	Body Sensor Networks. <b>2014</b> ,		60
1195	A feature selection technique for inference of graphs from their known topological properties: Revealing scale-free gene regulatory networks. <b>2014</b> , 272, 1-15		37

1194	A random forest classifier for lymph diseases. <b>2014</b> , 113, 465-73		89
1193	Suboptimal branch and bound algorithms for feature subset selection: A comparative study. <i>Pattern Recognition Letters</i> , <b>2014</b> , 45, 62-70	4-7	8
1192	A comparative study of suboptimal branch and bound algorithms. <b>2014</b> , 278, 545-554		8
1191	Computational Intelligence in Digital Forensics: Forensic Investigation and Applications. <b>2014</b> ,		4
1190	Nonverbal Social Sensing in Action: Unobtrusive Recording and Extracting of Nonverbal Behavior in Social Interactions Illustrated with a Research Example. <b>2014</b> , 38, 231-245		24
1189	Integration of the saliency-based seed extraction and random walks for image segmentation. <b>2014</b> , 129, 378-391		50
1188	Texture and color based image segmentation and pathology detection in capsule endoscopy videos. <b>2014</b> , 113, 396-411		79
1187	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2014</b> , 52, 7111-7119	8.1	98
1186	Practical Multiple Packet Classification Using Dynamic Discrete Bit Selection. <b>2014</b> , 63, 424-434		17
1185	Predicting disability levels of community dwelling older individuals using single wrist mounted accelerometer. <b>2014</b> ,		3
1184	Semi-supervised local-learning-based feature selection. <b>2014</b> ,		9
1183	Test-retest reproducibility analysis of lung CT image features. <b>2014</b> , 27, 805-23		163
1182	Filter based backward elimination in wrapper based PSO for feature selection in classification. <b>2014</b> ,		23
1181	. <b>2014</b> , 39, 724-739		7
1180	A Mutual Information-Based Hybrid Feature Selection Method for Software Cost Estimation Using Feature Clustering. <b>2014</b> ,		2
1179	Structural, Syntactic, and Statistical Pattern Recognition. <b>2014</b> ,		3
1178	A New Appearance Signature for Real Time Person Re-identification. <b>2014</b> , 175-182		5
1177	Indoor-ALPS. <b>2014</b> ,		19

1176	Improved leaps and bounds variable selection algorithm based on principal component analysis. <b>2014</b> , 139, 76-83		1
1175	Unified Design of a Feature-Based ADAC System for Mine Hunting Using Synthetic Aperture Sonar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2014</b> , 52, 2413-2426	8.1	20
1174	Text messaging and retrieval techniques for a mobile health information system. <b>2014</b> , 40, 736-748		2
1173	Liver fibrosis staging using CT image texture analysis and soft computing. <b>2014</b> , 25, 399-413		22
1172	EdgeMarker: Identifying differentially correlated molecule pairs as edge-biomarkers. <b>2014</b> , 362, 35-43		52
1171	A survey on feature selection methods. <b>2014</b> , 40, 16-28		2028
1170	A scalable memetic algorithm for simultaneous instance and feature selection. <b>2014</b> , 22, 1-45		29
1169	An online sleep apnea detection method based on recurrence quantification analysis. <b>2014</b> , 18, 1285-93		65
1168	Feature selection of EEG data with neuro-statistical method. <b>2014</b> ,		2
1167	Optimization of breast mass classification using sequential forward floating selection (SFFS) and a support vector machine (SVM) model. <b>2014</b> , 9, 1005-20		49
1166	Feature selection for fault level diagnosis of planetary gearboxes. <b>2014</b> , 8, 377-401		20
1165	Feature-based multiple models improve classification of mutation-induced stability changes. <b>2014</b> , 15 Suppl 4, S6		10
1164	Max-AUC feature selection in computer-aided detection of polyps in CT colonography. <b>2014</b> , 18, 585-93		32
1163	Unsupervised Selection of Training Samples for Tree Species Classification Using Hyperspectral Data. <b>2014</b> , 7, 3560-3569		5
1162	Transparent muscle characterization using quantitative electromyography: different binarization mappings. <b>2014</b> , 22, 511-21		5
1161	Digital-Forensics and Watermarking. <b>2014</b> ,		1
1160	Cellular Automata in Image Processing and Geometry. <b>2014</b> ,		11
1159	Automatic capacitor bank identification in power distribution systems. <b>2014</b> , 111, 96-102		3



1158	New approaches for spectro-temporal feature extraction with applications to respiratory sound classification. <b>2014</b> , 123, 362-371		31
1157	Wavelet analysis for detection of phasic electromyographic activity in sleep: influence of mother wavelet and dimensionality reduction. <b>2014</b> , 48, 77-84		9
1156	Entropic Biological Score: a cell cycle investigation for GRNs inference. <b>2014</b> , 541, 129-37		13
1155	Classification of flaw severity using pattern recognition for guided wave-based structural health monitoring. <b>2014</b> , 54, 247-58		29
1154	Variable selection for Fisher linear discriminant analysis using the modified sequential backward selection algorithm for the microarray data. <b>2014</b> , 238, 132-140		9
1153	A novel approach to hyperspectral band selection based on spectral shape similarity analysis and fast branch and bound search. <b>2014</b> , 27, 241-250		40
1152	Oil spill detection using synthetic aperture radar images and feature selection in shape space. <b>2014</b> , 30, 146-157		23
1151	Internal damage inspection of almond nuts using optimal near-infrared waveband selection technique. <b>2014</b> , 126, 173-177		11
1150	Simultaneous feature selection and Gaussian mixture model estimation for supervised classification problems. <b>2014</b> , 47, 2582-2595		15
1149	Clusters, Orders, and Trees: Methods and Applications. <b>2014</b> ,		5
1148	Multi level causal relation identification using extended features. <i>Expert Systems With Applications</i> , <b>2014</b> , 41, 7171-7181	7.8	13
1147	. <b>2014</b> , 7, 2659-2670		107
1146	Comparative analysis of emotion estimation methods based on physiological measurements for real-time applications. <b>2014</b> , 72, 717-727		42
1145	Face recognition using transform domain feature extraction and PSO-based feature selection. <b>2014</b> , 22, 141-161		69
1144	Reproducibility and Prognosis of Quantitative Features Extracted from CT Images. <b>2014</b> , 7, 72-87		217
1143	A GA-based feature selection approach with an application to handwritten character recognition. <i>Pattern Recognition Letters</i> , <b>2014</b> , 35, 130-141	4.7	85
1142	Audio Retrieval Based on Perceptual Similarity. <b>2014</b> ,		
1141	A novel system for predicting the toxicity of irinotecan based on statistical pattern recognition with UGT1A genotypes. <b>2014</b> , 45, 1381-90		13

1140	Identify important spectrum bands for classification using importances of wrapper selection applied to hyperspectral data. <b>2014,</b>	1
1139	A Persian writer identification method using swarm-based feature selection approach. <b>2014, 6, 53</b>	2
1138	References. <b>2014, 327-351</b>	
1137	Computer-Aided Diagnosis of Parkinson's Disease Using Complex-Valued Neural Networks and mRMR Feature Selection Algorithm. <b>2015, 6, 281-302</b>	73
1136	A Classification method for eye movements direction during REM sleep trained on wake electro-oculographic recordings. <b>2015, 2015, 370-3</b>	2
1135	A Study of Feature Selection of Magnetogram Complexity Features in an Imbalanced Solar Flare Prediction Data-Set. <b>2015,</b>	2
1134	Forensic Camera Model Identification. <b>2015, 329-374</b>	35
1133	Emotion Recognition in Naturalistic Speech and Language A Survey. <b>2015, 237-267</b>	12
1132	Classifier Ensemble Methods. <b>2015, 1-12</b>	2
1131	Overview of Biomedical Image Understanding Methods. <b>2015, 1-45</b>	2
1130	Data fusion for automated pain recognition. <b>2015,</b>	5
1129	Recognizing Touch Gestures for Social Human-Robot Interaction. <b>2015,</b>	8
1128	Gene discovery for facioscapulohumeral muscular dystrophy by machine learning techniques. <b>2016, 90, 343-56</b>	0
1127	Cyst-based measurements for assessing lymphangi leiomyomatosis in computed tomography. <b>2015, 42, 2287-95</b>	4
1126	Optimal structural and spectral features for tree species classification using combined airborne laser scanning and hyperspectral data. <b>2015,</b>	1
1125	Probabilistic cardiac and respiratory based classification of sleep and apneic events in subjects with sleep apnea. <b>2015, 36, 2103-18</b>	9
1124	A comparison of several feature selection scores applied to hyperspectral data. <b>2015,</b>	
1123	Bibliography. <b>2015, 291-300</b>	

1122	Computer science in Eastern Europe 1989-2014: a bibliometric study. <b>2015</b> , 67, 526-541	12
1121	Novel Randomized Feature Selection Algorithms. <b>2015</b> , 26, 321-341	9
1120	Reducing execution profiles: techniques and benefits. <b>2015</b> , 25, 115-137	2
1119	Float greedy-search-based subspace clustering. <b>2015</b> ,	
1118	Texture-based segmentation and a new cell shape index for quantitative analysis of cell spreading in AFM images. <b>2015</b> , 87, 1090-100	9
1117	. <b>2015</b> ,	21
1116	. <b>2015</b> ,	15
1115	Land Cover Classification and Monitoring: the STEM Open Source Solution. <b>2015</b> , 48, 811-831	4
1114	Computer-Aided Drug Design of Bioactive Natural Products. <b>2015</b> , 15, 1780-800	48
1113	Supervised feature selection: A tutorial. <b>2015</b> , 4,	45
1112	Binary matrix shuffling filter for feature selection in neuronal morphology classification. <b>2015</b> , 2015, 626975	1
1111	A Review of Feature Selection and Feature Extraction Methods Applied on Microarray Data. <b>2015</b> , 2015, 198363	439
1110	High-frequency electroencephalographic activity in left temporal area is associated with pleasant emotion induced by video clips. <b>2015</b> , 2015, 762769	10
1109	An automated classification approach to ranking photospheric proxies of magnetic energy build-up. <b>2015</b> , 579, A64	23
1108	Wrapper Feature Selection based on Genetic Algorithm for Recognizing Objects from Satellite Imagery. <b>2015</b> , 8, 1-20	1
1107	Structural Domains in Prediction of Biological ProteinProtein Interactions. <b>2015</b> , 291-314	
1106	Discrimination of Vegetation Height Categories With Passive Satellite Sensor Imagery Using Texture Analysis. <b>2015</b> , 8, 1442-1455	15
1105	Classification of patients undergoing weaning from mechanical ventilation using the coherence between heart rate variability and respiratory flow signal. <b>2015</b> , 36, 1439-52	9

1104	Joint skewness and its application in unsupervised band selection for small target detection. <b>2015</b> , 5, 9915		8
1103	Preprocessing and Feature Selection for Improved Sensor Interoperability in Online Biometric Signature Verification. <i>IEEE Access</i> , <b>2015</b> , 3, 478-489	3.5	62
1102	Multiple Classifier Systems. <b>2015</b> ,		6
1101	First review on psoriasis severity risk stratification: An engineering perspective. <b>2015</b> , 63, 52-63		27
1100	Localization of neural efficiency of the mathematically gifted brain through a feature subset selection method. <b>2015</b> , 9, 495-508		15
1099	Validation and reliability of the discriminative power of geometric wood log end features. <b>2015</b> ,		5
1098	. <b>2015</b> ,		0
1097	. <b>2015</b> ,		
1096	Detection of stress/anxiety state from EEG features during video watching. <b>2015</b> , 2015, 6034-7		19
1095	Selection of Windows for W-Operator Combination from Entropy Based Ranking. <b>2015</b> ,		2
1094	Multimodal dimensional affect recognition using deep bidirectional long short-term memory recurrent neural networks. <b>2015</b> ,		11
1093	A discretized differential evolution algorithm for the inference of Gene Regulatory Networks. <b>2015</b> ,		
1092	Discriminative Multi-task Feature Selection for Multi-modality Based AD/MCI Classification. <b>2015</b> ,		4
1091	Semi-supervised SVM for individual tree crown species classification. <b>2015</b> , 110, 77-87		42
1090	A Data Analytics Schema for Activity Recognition in Smart Home Environments. <b>2015</b> , 91-102		5
1089	A new computer-aided detection scheme based on assessment of local bilateral mammographic feature asymmetry - a preliminary evaluation. <b>2015</b> , 2015, 6394-7		
1088	Smoothed shock filtered defuzzification with Zernike moments for liver tumor extraction in MR images. <b>2015</b> ,		2
1087	Increasing the robustness of biometric templates for dynamic signature biometric systems. <b>2015</b> ,		5

1086	Activity-aaSvc: Cloud-assisted, BSN-based system for physical activity monitoring. <b>2015,</b>	6
1085	Structural Pattern Recognition with Graph Edit Distance. <b>2015,</b>	35
1084	Towards a ternary NIRS-BCI: single-trial classification of verbal fluency task, Stroop task and unconstrained rest. <b>2015,</b> 12, 066008	26
1083	A multi-perspective holistic approach to Kinship Verification in the Wild. <b>2015,</b>	7
1082	An instance-based physical violence detection algorithm for school bullying prevention. <b>2015,</b>	12
1081	Improving the Distance Accuracy of Bipartite Graph Edit Distance. <b>2015,</b> 69-99	
1080	Sensing and classifying roadway obstacles: The street bump anomaly detection and decision support system. <b>2015,</b>	2
1079	Implementation of practical computer aided diagnosis system for classification of masses in digital mammograms. <b>2015,</b>	2
1078	Detection of depression in speech. <b>2015,</b>	16
1077	Update strategies for HMM-based dynamic signature biometric systems. <b>2015,</b>	12
1076	Multimodal Affective Dimension Prediction Using Deep Bidirectional Long Short-Term Memory Recurrent Neural Networks. <b>2015,</b>	71
1075	Ubiquitous Computing and Ambient Intelligence. Sensing, Processing, and Using Environmental Information. <b>2015,</b>	1
1074	Improving bipartite graph edit distance approximation using various search strategies. <b>2015,</b> 48, 1349-1363	29
1073	Pre-stimulus functional networks modulate task performance in time-pressured evidence gathering and decision-making. <b>2015,</b> 111, 513-25	4
1072	An evidential classifier based on feature selection and two-step classification strategy. <b>2015,</b> 48, 2318-2327	45
1071	Weaning Off Mental Tasks to Achieve Voluntary Self-Regulatory Control of a Near-Infrared Spectroscopy Brain-Computer Interface. <b>2015,</b> 23, 548-61	22
1070	Classifying imbalanced data sets using similarity based hierarchical decomposition. <b>2015,</b> 48, 1653-1672	89
1069	Computer vision for virus image classification. <b>2015,</b> 138, 11-22	22

1068	Heterogeneous Feature Models and Feature Selection Applied to Bearing Fault Diagnosis. <b>2015</b> , 62, 637-646	220
1067	Automatic detection of mound structures in airborne laser scanning data. <b>2015</b> , 2, 69-79	33
1066	Compressed images for affinity prediction-2 (CIFAP-2): an improved machine learning methodology on protein-ligand interactions based on a study on caspase 3 inhibitors. <b>2015</b> , 30, 809-15	3
1065	Automatic Unsupervised Feature Selection using Gravitational Search Algorithm. <b>2015</b> , 61, 22-31	13
1064	. <b>2015</b> , 16, 136-150	47
1063	DDIG-in: detecting disease-causing genetic variations due to frameshifting indels and nonsense mutations employing sequence and structural properties at nucleotide and protein levels. <b>2015</b> , 31, 1599-606	44
1062	Degree of contribution (DoC) feature selection algorithm for structural brain MRI volumetric features in depression detection. <b>2015</b> , 10, 1003-16	6
1061	Image-to-class distance ratio: A feature filtering metric for image classification. <b>2015</b> , 165, 211-221	1
1060	Dynamic Time Warping for Music Retrieval Using Time Series Modeling of Musical Emotions. <b>2015</b> , 6, 137-151	23
1059	Reliable emotion recognition system based on dynamic adaptive fusion of forehead biopotentials and physiological signals. <b>2015</b> , 122, 149-64	55
1058	A binary ABC algorithm based on advanced similarity scheme for feature selection. <b>2015</b> , 36, 334-348	99
1057	Usability and performance-informed selection of personalized mental tasks for an online near-infrared spectroscopy brain-computer interface. <b>2015</b> , 2, 025001	16
1056	A new estimator of intrinsic dimension based on the multipoint Morisita index. <b>2015</b> , 48, 4070-4081	12
1055	Using multiscale texture and density features for near-term breast cancer risk analysis. <b>2015</b> , 42, 2853-62	26
1054	Automatic segmentation of MR brain images of preterm infants using supervised classification. <b>2015</b> , 118, 628-41	50
1053	People and Mobile Robot Classification Through Spatio-Temporal Analysis of Optical Flow. <b>2015</b> , 29, 1550021	2
1052	Multi-atlas segmentation of biomedical images: A survey. <b>2015</b> , 24, 205-219	402
1051	Single-trial classification of near-infrared spectroscopy signals arising from multiple cortical regions. <b>2015</b> , 290, 131-42	20

1050	Feature selection for neural network based defect classification of ceramic components using high frequency ultrasound. <b>2015</b> , 62, 271-7		22
1049	Emotion recognition from mid-level features. <i>Pattern Recognition Letters</i> , <b>2015</b> , 67, 66-74	4-7	8
1048	Face Recognition Using Block Based Feature Extraction with CZT and Goertzel-algorithm as a Preprocessing Technique. <b>2015</b> , 46, 1458-1467		8
1047	Diagnosing phenotypes of single-sample individuals by edge biomarkers. <b>2015</b> , 7, 231-41		48
1046	A pattern recognition approach based on DTW for automatic transient identification in nuclear power plants. <b>2015</b> , 81, 287-300		16
1045	A survey on face detection in the wild: Past, present and future. <b>2015</b> , 138, 1-24		221
1044	Frequential versus spatial colour textons for breast TMA classification. <b>2015</b> , 42, 25-37		7
1043	Emotion recognition using semi-supervised feature selection with speaker normalization. <b>2015</b> , 18, 317-331		8
1042	A hybridization of clonal selection algorithm with iterated local search and variable neighborhood search for the feature selection problem. <b>2015</b> , 7, 181-201		13
1041	5-Aminolevulinic acid induced protoporphyrin IX as a fluorescence marker for quantitative image analysis of high-grade dysplasia in Barrett's esophagus cellular models. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 036010	3-5	4
1040	Detection of canine skin and subcutaneous tumors by visible and near-infrared diffuse reflectance spectroscopy. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 037003	3-5	7
1039	Prediction of nanoparticles-cell association based on corona proteins and physicochemical properties. <b>2015</b> , 7, 9664-75		102
1038	Deep Representations for Iris, Face, and Fingerprint Spoofing Detection. <b>2015</b> , 10, 864-879		314
1037	Iris Recognition using Robust Localization and Nonsampled Contourlet Based Features. <b>2015</b> , 81, 111-128		15
1036	Feature-based dynamic signature verification under forensic scenarios. <b>2015</b> ,		15
1035	Feature selection using feature dissimilarity measure and density-based clustering: application to biological data. <b>2015</b> , 40, 721-30		1
1034	Facial soft biometric features for forensic face recognition. <b>2015</b> , 257, 271-284		47
1033	Identification of patients prone to hypotension during hemodialysis based on the analysis of cardiovascular signals. <b>2015</b> , 37, 1156-61		3

1032	New technique for feature selection: Combination between elastic net and relief. <b>2015,</b>	1
1031	Credit Rating Analysis by the Decision-Tree Support Vector Machine with Ensemble Strategies. <b>2015, 17, 521-530</b>	7
1030	A Feature Selection Approach for Evaluate the Inference of GRNs Through Biological Data Integration - A Case Study on A. Thaliana. <b>2015, 667-675</b>	
1029	Optimal feature selection and inter-operability compensation for on-line biometric signature authentication. <b>2015,</b>	3
1028	An evolutionary algorithm with the partial sequential forward floating search mutation for large-scale feature selection problems. <b>2015, 66, 529-538</b>	29
1027	A new breast cancer risk analysis approach using features extracted from multiple sub-regions on bilateral mammograms. <b>2015,</b>	1
1026	Association of mammographic image feature change and an increasing risk trend of developing breast cancer: an assessment. <b>2015,</b>	
1025	Outcome prediction in tumour therapy based on Dempster-Shafer theory. <b>2015,</b>	5
1024	An automated system for detecting the infected figs by hyperspectral image analysis. <b>2015,</b>	1
1023	Automatic segmentation of high- and low-field knee MRIs using knee image quantification with data from the osteoarthritis initiative. <b>2015, 2, 024001</b>	55
1022	Dempster-Shafer Theory Based Feature Selection with Sparse Constraint for Outcome Prediction in Cancer Therapy. <b>2015, 695-702</b>	3
1021	DWT-based face recognition using fast walsh hadamard transform and chiral image superimposition as pre-processing techniques. <b>2015,</b>	2
1020	Classification of Hyperspectral Images Using Subspace Projection Feature Space. <b>2015, 12, 1803-1807</b>	4
1019	Robust feature selection to predict tumor treatment outcome. <b>2015, 64, 195-204</b>	22
1018	Spectral and Spatial Classification of Hyperspectral Images Based on ICA and Reduced Morphological Attribute Profiles. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2015, 53, 6223-6240</b>	65
1017	Supervised geochemical anomaly detection by pattern recognition. <b>2015, 157, 81-91</b>	46
1016	Lane change maneuver recognition via vehicle state and driver operation signals [Results from naturalistic driving data. <b>2015,</b>	20
1015	Sleep stage classification with ECG and respiratory effort. <b>2015, 36, 2027-40</b>	100



1014 . **2015**,

1013 Motion Error Influence on Segmentation and Classification Performance in SAS-Based Automatic Mine Countermeasures. **2015**, 40, 57-70 3

1012 The study of emotion recognition from physiological signals. **2015**, 3

1011 Computational Optimization and Statistical Methods for Big Data Analytics: Applications in Neuroimaging. **2015**, 71-88 7

1010 Pollen segmentation and feature evaluation for automatic classification in bright-field microscopy. **2015**, 110, 56-69 14

1009 Open Source Geospatial Tools. **2015**, 8

1008 Feature selection for acoustic events detection. **2015**, 74, 4213-4233 17

1007 Feature selection methods and their combinations in high-dimensional classification of speaker likability, intelligibility and personality traits. **2015**, 29, 145-171 134

1006 Robust twin boosting for feature selection from high-dimensional omics data with label noise. **2015**, 291, 1-18 21

1005 Applied Computation and Security Systems. **2015**,

1004 A bumble bees mating optimization algorithm for the feature selection problem. **2016**, 7, 519-538 17

1003 Speech steganalysis based on the delay vector variance method. **2016**, 24, 4129-4141 1

1002 Oceanographic features selection to predict the tuna potential fishing zones using SFFS method. **2016**, 11, 1157-1166 1

1001 Feature Selection Method Based on Neighborhood Relationships: Applications in EEG Signal Identification and Chinese Character Recognition. **2016**, 16, 4

1000 Gene Selection Methods for Microarray Data. **2016**, 45-78 2

999 Algorithms for Drug Sensitivity Prediction. *Algorithms*, **2016**, 9, 77 1.8 27

998 Three-Class EEG-Based Motor Imagery Classification Using Phase-Space Reconstruction Technique. **2016**, 6, 31

997 Particle Pollution Estimation Based on Image Analysis. **2016**, 11, e0145955 35

996	Texture Descriptors Ensembles Enable Image-Based Classification of Maturation of Human Stem Cell-Derived Retinal Pigmented Epithelium. <b>2016</b> , 11, e0149399	12
995	Breast thermal images classification using optimal feature selectors and classifiers. <b>2016</b> , 2016, 237-248	4
994	Tree-centric mapping of forest carbon density from airborne laser scanning and hyperspectral data. <b>2016</b> , 7, 1236-1245	127
993	Automated prostate tissue referencing for cancer detection and diagnosis. <b>2016</b> , 17, 227	17
992	Research on impacts of mechanical vibrations on the production machine to its rate of change of technical state. <b>2016</b> , 8, 168781401665577	4
991	Rice phenology retrieval automatically using polarimetric SAR. <b>2016</b> ,	4
990	Feature Selection and Reduction for Batik Image Retrieval. <b>2016</b> ,	4
989	Plant phenotyping: a perspective. <b>2016</b> , 21, 514-527	26
988	A survey on pre-processing techniques: Relevant issues in the context of environmental data mining. <b>2016</b> , 29, 627-663	27
987	Heuristic Feature Selection for Shaving Tool Wear Classification. <b>2016</b> ,	1
986	Automatic airway-artery analysis on lung CT to quantify airway wall thickening and bronchiectasis. <b>2016</b> , 43, 5736	27
985	. <b>2016</b> ,	2
984	Adaptive blind wideband spectrum sensing for cognitive radio based on sub-Nyquist sampling technique. <b>2016</b> ,	7
983	A Fast Iterative Algorithm for Improved Unsupervised Feature Selection. <b>2016</b> ,	6
982	Dimension reduction in classification using particle swarm optimisation and statistical variable grouping information. <b>2016</b> ,	2
981	New feature selection method based on neural network and machine learning. <b>2016</b> ,	6
980	Chlorophyll fluorescence, under half of the adaptive growth-irradiance, for high-throughput sensing of leaf-water deficit in accessions. <b>2016</b> , 12, 46	18
979	Inference of Gene Regulatory Networks Using Coefficient of Determination, Tsallis Entropy and Biological Prior Knowledge. <b>2016</b> ,	2

978	⌘ fingerprint spoofing detection system using LBP⌘	2016,	6
977	Fingerprint sensor classification via M⌘ange of handcrafted features.	2016,	4
976	Data reduction for classification with ant colony algorithms.	2016, 20, 1021-1059	12
975	Applying a computer-aided scheme to detect a new radiographic image marker for prediction of chemotherapy outcome.	2016, 16, 52	4
974	.	2016, 28, 1231-1244	3
973	Segmentation of the spinous process and its acoustic shadow in vertebral ultrasound images.	2016, 72, 201-11	24
972	A Pattern Recognition Methodology for Fault Detection: A Circuit Breaker Case Study.	2016, 279-287	
971	Optimal space-time attacks on system state estimation under a sparsity constraint.	2016,	
970	Improved SFFS method for channel selection in motor imagery based BCI.	2016, 207, 519-527	67
969	Selecting radiomic features from FDG-PET images for cancer treatment outcome prediction.	2016, 32, 257-68	48
968	Feature selection using Forest Optimization Algorithm.	2016, 60, 121-129	75
967	New mechanism for archive maintenance in PSO-based multi-objective feature selection.	2016, 20, 3927-3946	29
966	Classification of epileptic EEG signals based on simple random sampling and sequential feature selection.	2016, 3, 85-91	50
965	Identification of fish vocalizations from ocean acoustic data.	<i>Applied Acoustics</i> , 2016, 110, 248-255	3.1 12
964	Combining complex networks and data mining: Why and how.	2016, 635, 1-44	105
963	Analog and Mixed-Signal Test.	2016, 605-629	
962	An effective feature selection approach driven genetic algorithm wrapped Bayes na⌘e.	2016, 8, 220	4
961	Actigraphy features for predicting mobility disability in older adults.	2016, 37, 1813-1833	13

960	Deep neural network and switching Kalman filter based continuous affect recognition. <b>2016,</b>	
959	Evolution prediction of multi-scale information diffusion dynamics. <b>2016,</b> 113, 186-198	13
958	Impact of preprocessing on medical data classification. <b>2016,</b> 10, 1082-1102	17
957	A robust and efficient band selection method using graph representation for hyperspectral imagery. <b>2016,</b> 37, 4874-4889	15
956	Classification of tree species in hyperspectral image. <b>2016,</b>	
955	A new clustering method using wavelet based probability density functions for identifying patterns in time-series data. <b>2016,</b>	10
954	Using machine learning to predict radiation pneumonitis in patients with stage I non-small cell lung cancer treated with stereotactic body radiation therapy. <b>2016,</b> 61, 6105-20	62
953	On the Design of Smart Homes: A Framework for Activity Recognition in Home Environment. <b>2016,</b> 40, 200	65
952	Mutual information for feature selection: estimation or counting?. <b>2016,</b> 9, 95-110	15
951	A screening system for smear-negative pulmonary tuberculosis using artificial neural networks. <b>2016,</b> 49, 33-9	14
950	A non-negative low-rank representation for hyperspectral band selection. <b>2016,</b> 37, 4590-4609	20
949	Binary coordinate ascent: An efficient optimization technique for feature subset selection for machine learning. <b>2016,</b> 110, 191-201	26
948	An optimal two stage feature selection for speech emotion recognition using acoustic features. <b>2016,</b> 19, 657-667	20
947	Brain Informatics and Health. <b>2016,</b>	1
946	Fake biometric detection using image quality assessment: Application to iris, fingerprint recognition. <b>2016,</b>	1
945	Some Notes on Computational and Theoretical Issues in Artificial Intelligence and Machine Learning. <b>2016,</b> 3-12	1
944	Miniature Compressive Ultra-spectral Imaging System Utilizing a Single Liquid Crystal Phase Retarder. <b>2016,</b> 6, 23524	54
943	Introduction to Object Recognition. <b>2016,</b> 8-44	

942	Towards More Accurate Fault Localization: An Approach Based on Feature Selection Using Branching Execution Probability. <b>2016,</b>	2
941	Evaluation of Depression Severity in Speech. <b>2016, 312-321</b>	1
940	Sparse attacking strategies in multi-sensor dynamic systems maximizing state estimation errors. <b>2016,</b>	5
939	A Novel Meta-Heuristic-Based Sequential Forward Feature Selection Approach for Anomaly Detection Systems. <b>2016,</b>	1
938	Conformal geometric algebra based band selection and classification for hyperspectral imagery. <b>2016,</b>	5
937	Efficient Feature Selection-Based on Random Forward Search for Virtual Metrology Modeling. <b>2016 , 29, 391-398</b>	21
936	Heterogeneous feature models and feature selection applied to detection of street lighting lamps types and wattages. <b>2016,</b>	2
935	Comparison of two feature selection methods for the separability analysis of intertidal sediments with spectrometric datasets in the German Wadden Sea. <b>2016, 52, 175-191</b>	4
934	Investigation on particle swarm optimisation for feature selection on high-dimensional data: local search and selection bias. <b>2016, 28, 270-294</b>	21
933	An integrated feature ranking and selection framework for ADHD characterization. <b>2016, 3, 145-155</b>	11
932	Fish Behavior Analysis. <b>2016, 161-179</b>	0
931	Multi-modal emotion analysis from facial expressions and electroencephalogram. <b>2016, 147, 114-124</b>	48
930	A computational method for designing diverse linear epitopes including citrullinated peptides with desired binding affinities to intravenous immunoglobulin. <b>2016, 17, 155</b>	1
929	Revisiting the EmotiW challenge: how wild is it really?. <b>2016, 10, 151-162</b>	14
928	EASE-MM: Sequence-Based Prediction of Mutation-Induced Stability Changes with Feature-Based Multiple Models. <b>2016, 428, 1394-1405</b>	72
927	Ship Classification in SAR Image by Joint Feature and Classifier Selection. <b>2016, 13, 212-216</b>	54
926	Computational Intelligence and Quantitative Software Engineering. <b>2016,</b>	6
925	An online three-class Transcranial Doppler ultrasound brain computer interface. <b>2016, 107, 47-56</b>	4

924	Multiresolution analysis over graphs for a motor imagery based online BCI game. <b>2016</b> , 68, 21-6		25
923	Online streaming feature selection using rough sets. <b>2016</b> , 69, 35-57		54
922	Remote sensing of habitat characteristics using echo metrics and image-based seabed classes. <b>2016</b> , 73, 1965-1974		1
921	Adapting content-based image retrieval techniques for the semantic annotation of medical images. <b>2016</b> , 49, 37-45		34
920	. <b>2016</b> , 20, 606-626		776
919	Opposition chaotic fitness mutation based adaptive inertia weight BPSO for feature selection in text clustering. <b>2016</b> , 43, 20-34		88
918	. <i>IEEE Access</i> , <b>2016</b> , 4, 1301-1312	3-5	42
917	High-throughput imaging-based nephrotoxicity prediction for xenobiotics with diverse chemical structures. <b>2016</b> , 90, 2793-2808		39
916	Feature selection via binary simultaneous perturbation stochastic approximation. <i>Pattern Recognition Letters</i> , <b>2016</b> , 75, 41-47	4-7	16
915	Common EEG features for behavioral estimation in disparate, real-world tasks. <b>2016</b> , 114, 93-107		24
914	ECG-based heartbeat classification for arrhythmia detection: A survey. <b>2016</b> , 127, 144-64		390
913	Review of soft sensor methods for regression applications. <b>2016</b> , 152, 69-79		135
912	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2016</b> , 54, 2615-2626	8.1	82
911	Discriminative multi-task feature selection for multi-modality classification of Alzheimer's disease. <b>2016</b> , 10, 739-49		30
910	Supervised, Unsupervised, and Semi-Supervised Feature Selection: A Review on Gene Selection. <b>2016</b> , 13, 971-989		256
909	EALab (Eye Activity Lab): a MATLAB Toolbox for Variable Extraction, Multivariate Analysis and Classification of Eye-Movement Data. <b>2016</b> , 14, 51-67		8
908	Iris liveness detection using regional features. <i>Pattern Recognition Letters</i> , <b>2016</b> , 82, 242-250	4-7	31
907	Brain functional connectivity patterns for emotional state classification in Parkinson's disease patients without dementia. <b>2016</b> , 298, 248-60		89

906	Gastroesophageal Reflux Disease Diagnosis Using Hierarchical Heterogeneous Descriptor Fusion Support Vector Machine. <b>2016</b> , 63, 588-99	10
905	Robustness-Driven Feature Selection in Classification of Fibrotic Interstitial Lung Disease Patterns in Computed Tomography Using 3D Texture Features. <b>2016</b> , 35, 144-57	19
904	Principal differential analysis for detection of bilabial closure gestures from articulatory data. <b>2016</b> , 36, 294-306	1
903	Learning in high-dimensional multimedia data: the state of the art. <b>2017</b> , 23, 303-313	59
902	Incorporated risk metrics and hybrid AI techniques for risk management. <b>2017</b> , 28, 3477-3489	13
901	Comparison of Genetic Algorithm, Particle Swarm Optimization and Biogeography-based Optimization for Feature Selection to Classify Clusters of Microcalcifications. <b>2017</b> , 98, 189-202	14
900	Different classes ratio fuzzy rough set based robust feature selection. <b>2017</b> , 120, 74-86	23
899	Feature selection for outcome prediction in oesophageal cancer using genetic algorithm and random forest classifier. <b>2017</b> , 60, 42-49	64
898	Data mining framework for breast lesion classification in shear wave ultrasound: A hybrid feature paradigm. <b>2017</b> , 33, 400-410	17
897	Gram-Schmidt process based incremental extreme learning machine. <b>2017</b> , 241, 1-17	9
896	A new maximum relevance-minimum multicollinearity (MRmMC) method for feature selection and ranking. <b>2017</b> , 67, 47-61	59
895	Heuristic Feature Selection for Shaving Tool Wear Classification. <b>2017</b> , 139,	1
894	Particle Swarm Optimization-Based Band Selection for Hyperspectral Target Detection. <b>2017</b> , 14, 554-558	25
893	Variable selection methods for multi-class classification using signomial function. <b>2017</b> , 68, 1117-1130	1
892	Detection of atrial fibrillation episodes using a wristband device. <b>2017</b> , 38, 787-799	55
891	Semantic segmentation of forest stands of pure species combining airborne lidar data and very high resolution multispectral imagery. <b>2017</b> , 126, 129-145	29
890	An Adaptive Pattern Learning Framework to Personalize Online Seizure Prediction. <b>2017</b> , 1-1	12
889	Informal settlement classification using point-cloud and image-based features from UAV data. <b>2017</b> , 125, 225-236	49

888	CUDA-based acceleration and BPN-assisted automation of bilateral filtering for brain MR image restoration. <b>2017</b> , 44, 1420-1436	3
887	Computed tomography quantification of tracheal abnormalities in COPD and their influence on airflow limitation. <b>2017</b> , 44, 3594-3603	4
886	Discrimination between different emotional states based on the chaotic behavior of galvanic skin responses. <b>2017</b> , 11, 1347-1355	15
885	Classification of composite damage from FBG load monitoring signals. <b>2017</b> ,	2
884	An approach for feature selection using local searching and global optimization techniques. <b>2017</b> , 28, 2915-2930	12
883	Accelerometry-based assessment and detection of early signs of balance deficits. <b>2017</b> , 85, 25-32	14
882	Hierarchically exploring the width of spectral bands for urban material classification. <b>2017</b> ,	0
881	Real-Time Assessment and Diagnosis of Process Operating Performance. <b>2017</b> , 3, 214-219	11
880	Designing manufacturable filters for a 16-band plenoptic camera using differential evolution. <b>2017</b> ,	1
879	Adaptive Person Re-identification Based on Visible Salient Body Parts in Large Camera Network. <b>2017</b> , 60, 1590-1608	3
878	An application of CIFAP for predicting the binding affinity of Chk1 inhibitors derived from 2-aminothiazole-4-carboxamide. <b>2017</b> , 30, e2642	1
877	Detection of antibiotic resistant Escherichia Coli bacteria using infrared microscopy and advanced multivariate analysis. <b>2017</b> , 142, 2136-2144	30
876	GeNICE: A Novel Framework for Gene Network Inference by Clustering, Exhaustive Search, and Multivariate Analysis. <b>2017</b> , 24, 809-830	1
875	Towards the Revival of Interpretable QSAR Models. <b>2017</b> , 3-55	10
874	Computer-aided diagnosis of periapical cyst and keratocystic odontogenic tumor on cone beam computed tomography. <b>2017</b> , 146, 91-100	26
873	EEG-based multi-class motor imagery classification using variable sized filter bank and enhanced One Versus One classifier. <b>2017</b> ,	4
872	Ocular Recognition for Blinking Eyes. <b>2017</b> , 26, 5070-5081	9
871	Building performance evaluation through a novel feature selection algorithm for automated arx model identification procedures. <b>2017</b> , 150, 432-446	9



870	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2017</b> , 55, 4887-4898	8.1	29
869	An ensemble of visual features for Gaussians of local descriptors and non-binary coding for texture descriptors. <i>Expert Systems With Applications</i> , <b>2017</b> , 82, 27-39	7.8	9
868	A Machine Learning-based Surface Electromyography Topography Evaluation for Prognostic Prediction of Functional Restoration Rehabilitation in Chronic Low Back Pain. <b>2017</b> , 42, 1635-1642		22
867	Classification of aquifer vulnerability using K-means cluster analysis. <b>2017</b> , 549, 27-37		69
866	Feature Selection Based on High Dimensional Model Representation for Hyperspectral Images. <b>2017</b> , 26, 2918-2928		70
865	Feature selection by maximizing correlation information for integrated high-dimensional protein data. <i>Pattern Recognition Letters</i> , <b>2017</b> , 92, 17-24	4.7	5
864	Link prediction based on local weighted paths for complex networks. <b>2017</b> , 28, 1750053		2
863	Enzyme classification using multiclass support vector machine and feature subset selection. <b>2017</b> , 70, 211-219		8
862	. <b>2017</b> ,		
861	EarBit: Using Wearable Sensors to Detect Eating Episodes in Unconstrained Environments. <b>2017</b> , 1,		85
860	Using Infrared Spectroscopy and Multivariate Analysis to Detect Antibiotics' Resistant Escherichia coli Bacteria. <b>2017</b> , 89, 8782-8790		53
859	Shape analysis of hippocampus in temporal lobe epilepsy using Signed Poisson Mapping. <b>2017</b> ,		0
858	A new steganalysis method to detect information hiding in speech. <b>2017</b> ,		4
857	Development of online machine vision system using support vector regression (SVR) algorithm for grade prediction of iron ores. <b>2017</b> ,		4
856	The color of cancer: Margin guidance for oral cancer resection using elastic scattering spectroscopy. <b>2017</b> , 127 Suppl 4, S1-S9		16
855	Pattern Analysis Framework With Graphical Indices for Condition-Based Monitoring. <b>2017</b> , 66, 1085-1100		19
854	Feature Selection on Affine Moment Invariants in Relation to Known Dependencies. <b>2017</b> , 285-295		
853	Automatic generation of actionable feedback towards improving social competency in job interviews. <b>2017</b> ,		1

852	Design and implementation of monitoring and evaluation of healthcare organization management. <b>2017,</b>	
851	Understanding regional characteristics through crowd preference and confidence mining in P2P accommodation rental service. <b>2017, 35, 521-541</b>	18
850	featsel: A framework for benchmarking of feature selection algorithms and cost functions. <b>2017, 6, 193-197</b>	4
849	Efficient Color Texture Classification Using Color Monogenic Wavelet Transform. <b>2017, 46, 609-626</b>	3
848	Restricted exhaustive search for frequency band selection in motor imagery classification. <b>2017,</b>	3
847	Applying automatic heuristic-filtering to improve hyper-heuristic performance. <b>2017,</b>	2
846	. <b>2017,</b>	
845	A novel algorithm to detect glaucoma risk using texton and local configuration pattern features extracted from fundus images. <b>2017, 88, 72-83</b>	66
844	Key Frame Selection for Multi-shot Person Re-identification. <b>2017, 97-110</b>	5
843	Adaptive sparse polynomial regression for camera lens simulation. <b>2017, 33, 715-724</b>	1
842	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2017, 55, 4956-4961</b>	8.1 9
841	Prediction of bioluminescent proteins by using sequence-derived features and lineage-specific scheme. <b>2017, 18, 294</b>	8
840	A discriminative feature selection approach for shape analysis: Application to fetal brain cortical folding. <b>2017, 35, 313-326</b>	5
839	Particle Swarm Optimization approach to defect detection in armour ceramics. <b>2017, 75, 124-131</b>	7
838	Stress and anxiety detection using facial cues from videos. <b>2017, 31, 89-101</b>	96
837	Cloud-based Activity-as-a-Service cyberphysical framework for human activity monitoring in mobility. <b>2017, 75, 158-171</b>	80
836	A survey on automated cancer diagnosis from histopathology images. <b>2017, 48, 31-81</b>	38
835	Large-scale image-based screening and profiling of cellular phenotypes. <b>2017, 91, 115-125</b>	37

834	An Integrated Class-Imbalanced Learning Scheme for Diagnosing Bearing Defects in Induction Motors. <b>2017</b> , 13, 2758-2769		84
833	Optimizing Sentinel-2 image selection in a Big Data context. <b>2017</b> , 1, 145-158		18
832	Quantitative Assessment of Balance Impairment for Fall-Risk Estimation Using Wearable Triaxial Accelerometer. <b>2017</b> , 17, 6743-6751		26
831	A product-of-exponential-based robot calibration method with optimal measurement configurations. <b>2017</b> , 14, 172988141774355		15
830	Mass-balance Based Multivariate Modelling of Basic Oxygen Furnace Used in Steel Industry. <b>2017</b> , 50, 13784-13789		4
829	. <b>2017</b> , 10, 4630-4644		14
828	A new reliability-driven intelligent system for power system dynamic security assessment. <b>2017</b> ,		5
827	PHGA: Proposed hybrid genetic algorithm for feature selection in binary classification. <b>2017</b> ,		
826	Partial co-training for virtual metrology. <b>2017</b> ,		2
825	Ensemble of Filter-Based Rankers to Guide an Epsilon-Greedy Swarm Optimizer for High-Dimensional Feature Subset Selection. <b>2017</b> , 8, 152		22
824	An Improved Combination of Spectral and Spatial Features for Vegetation Classification in Hyperspectral Images. <i>Remote Sensing</i> , <b>2017</b> , 9, 261	5	14
823	Habitat Mapping and Quality Assessment of NATURA 2000 Heathland Using Airborne Imaging Spectroscopy. <i>Remote Sensing</i> , <b>2017</b> , 9, 266	5	26
822	Automated Diatom Classification (Part A): Handcrafted Feature Approaches. <b>2017</b> , 7, 753		33
821	MaZda [A Framework for Biomedical Image Texture Analysis and Data Exploration. <b>2017</b> , 315-347		7
820	. <b>2017</b> ,		2
819	Compressive sensing resonator spectroscopy. <b>2017</b> , 42, 25-28		17
818	Analysis of Histopathology Images. <b>2017</b> , 281-314		17
817	Dimensionality reduction approaches and evolving challenges in high dimensional data. <b>2017</b> ,		1

816	Sequential forward floating selection with two selection criteria. <b>2017</b> ,		1
815	How to combine lidar and very high resolution multispectral images for forest stand segmentation?. <b>2017</b> ,		1
814	A Study of Feature Selection by Fuzzy Curves and Fuzzy Surface. <b>2017</b> ,		
813	Real-time Monitoring for Disk Laser Welding Based on Feature Selection and SVM. <b>2017</b> , 7, 884		10
812	A Novel Auto-Sorting System for Chinese Cabbage Seeds. <b>2017</b> , 17,		6
811	Modulation Recognition of Digital Multimedia Signal Based on Data Feature Selection. <b>2017</b> , 8, 90-111		2
810	Feature selection and extraction from heterogeneous genomic characterizations. <b>2017</b> , 45-81		1
809	NIR hyperspectral compressive imager based on a modified FabryPerot resonator. <b>2018</b> , 20, 044011		12
808	Band-Specified Virtual Dimensionality for Band Selection: An Orthogonal Subspace Projection Approach. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2018</b> , 56, 2822-2832	8.1	21
807	Hierarchical co-evolutionary clustering tree-based rough feature game equilibrium selection and its application in neonatal cerebral cortex MRI. <i>Expert Systems With Applications</i> , <b>2018</b> , 101, 243-257	7.8	15
806	Universal characteristics of evolution and development are inherent in fetal autonomic brain maturation. <b>2018</b> , 212, 32-41		6
805	Facial Asymmetry-Based Age Group Estimation: Role in Recognizing Age-Separated Face Images. <b>2018</b> , 63, 1727-1749		9
804	Generating Redundant Features with Unsupervised Multi-tree Genetic Programming. <b>2018</b> , 84-100		9
803	SPINE-Based Body Sensor Network Applications. <b>2018</b> , 187-212		
802	A new computer-aided detection approach based on analysis of local and global mammographic feature asymmetry. <b>2018</b> , 45, 1459-1470		7
801	Probabilistic Context-Aware Step Length Estimation for Pedestrian Dead Reckoning. <b>2018</b> , 18, 1600-1611		52
800	Selecting Individual and Population Models for Predicting Human Mobility. <b>2018</b> , 17, 2408-2422		9
799	Video and accelerometer-based motion analysis for automated surgical skills assessment. <b>2018</b> , 13, 443-455		50

798	Predicting Chronic Disease Hospitalizations from Electronic Health Records: An Interpretable Classification Approach. <b>2018</b> , 106, 690-707		38
797	Wearable Device-Based System to Monitor a Driver's Stress, Fatigue, and Drowsiness. <b>2018</b> , 67, 634-645		73
796	Acoustical Emission Analysis by Unsupervised Graph Mining: A Novel Biomarker of Knee Health Status. <b>2018</b> , 65, 1291-1300		24
795	Functional Connectivity Analysis of Mental Fatigue Reveals Different Network Topological Alterations Between Driving and Vigilance Tasks. <b>2018</b> , 26, 740-749		72
794	Brain MR Image Restoration Using an Automatic Trilateral Filter With GPU-Based Acceleration. <b>2018</b> , 65, 400-413		11
793	Ensemble support vector machine classification of dementia using structural MRI and mini-mental state examination. <b>2018</b> , 302, 66-74		35
792	Validity of unbalanced growth theory and sectoral investment priorities in Indonesia: Application of feature ranking methods. <b>2018</b> , 27, 521-540		5
791	Classification and diagnostic prediction of prostate cancer using gene expression and artificial neural networks. <b>2019</b> , 31, 7539-7548		9
790	. <b>2019</b> , 31, 1750-1764		8
789	A Growth-Model-Driven Technique for Tree Stem Diameter Estimation by Using Airborne LiDAR Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2019</b> , 57, 76-92	8.1	5
788	Optimal Boolean lattice-based algorithms for the U-curve optimization problem. <b>2019</b> , 471, 97-114		2
787	Feature selection for text classification: A review. <b>2019</b> , 78, 3797-3816		110
786	FeatureBand: A Feature Selection Method by Combining Early Stopping and Genetic Local Search. <b>2019</b> , 27-41		1
785	Using PlatEMO to Solve Multi-Objective Optimization Problems in Applications: A Case Study on Feature Selection. <b>2019</b> ,		5
784	Multimodal Multiobjective Optimization in Feature Selection. <b>2019</b> ,		11
783	Machine Learning Based Analysis of Structural MRI for Epilepsy Diagnosis. <b>2019</b> ,		2
782	A SVM-based classification approach for obsessive compulsive disorder by oxidative stress biomarkers. <b>2019</b> , 36, 101023		9
781	Single channel EMG-based continuous terrain identification with simple classifier for lower limb prosthesis. <b>2019</b> , 39, 775-788		18

780	Class Information-Based Band Selection for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2019</b> , 57, 8394-8416	8.1	11
779	High-Resolution Vegetation Mapping Using eXtreme Gradient Boosting Based on Extensive Features. <i>Remote Sensing</i> , <b>2019</b> , 11, 1505	5	13
778	A data-driven approach to selection of critical process steps in the semiconductor manufacturing process considering missing and imbalanced data. <b>2019</b> , 52, 146-156		27
777	Detecting Sections and Entities in Court Decisions Using HMM and CRF Graphical Models. <b>2019</b> , 61-86		1
776	Data-Driven Approach for Leak Localization in Water Distribution Networks Using Pressure Sensors and Spatial Interpolation. <b>2019</b> , 11, 1500		8
775	Soft Computing-Based EEG Classification by Optimal Feature Selection and Neural Networks. <b>2019</b> , 15, 5747-5754		42
774	Attribute selection in seismic facies classification: Application to a Gulf of Mexico 3D seismic survey and the Barnett Shale. <b>2019</b> , 7, SE281-SE297		9
773	BioDog, biomarker detection for improving identification power of breast cancer histologic grade in methylomics. <b>2019</b> , 11, 1717-1732		5
772	SEFL: Selective Ensemble Fuzzy Learner for Cognitive Detection of Bio-Modality Spoofing in MCPS. <b>2019</b> ,		
771	Efficacy and tolerability of granulocyte colony-stimulating factors in cancer patients after chemotherapy: A systematic review and Bayesian network meta-analysis. <b>2019</b> , 9, 15374		10
770	Network-Assisted Neural Adaptive Naked-Eye 3D Video Streaming Over Wireless Networks. <i>IEEE Access</i> , <b>2019</b> , 7, 141363-141373	3.5	1
769	An Improved SVM-RFE Based on $\$F\$$ -Statistic and mPDC for Gene Selection in Cancer Classification. <i>IEEE Access</i> , <b>2019</b> , 7, 147617-147628	3.5	3
768	Combining Multiple Feature-Ranking Techniques and Clustering of Variables for Feature Selection. <i>IEEE Access</i> , <b>2019</b> , 7, 151482-151492	3.5	21
767	. <b>2019</b> ,		1
766	Individualized Sleep Stage Classification from Cardiorespiratory Features. <b>2019</b> ,		1
765	Effect of User Practice on Prosthetic Finger Control With an Intuitive Myoelectric Decoder. <b>2019</b> , 13, 891		18
764	A Text Feature Selection Technique based on Binary Multi-Verse Optimizer for Text Clustering. <b>2019</b> ,		14
763	Towards a framework for detecting advanced Web bots. <b>2019</b> ,		4

762	The Possibility of Deep Learning-Based, Computer-Aided Skin Tumor Classifiers. <b>2019</b> , 6, 191		28
761	Compressive Sensing Hyperspectral Imaging by Spectral Multiplexing with Liquid Crystal. <b>2018</b> , 5,		13
760	Selfie Biometrics. <b>2019</b> ,		17
759	Tree species classification in a temperate mixed forest using a combination of imaging spectroscopy and airborne laser scanning. <b>2019</b> , 279, 107744		13
758	Tree Species Classification in a Highly Diverse Subtropical Forest Integrating UAV-Based Photogrammetric Point Cloud and Hyperspectral Data. <i>Remote Sensing</i> , <b>2019</b> , 11, 1338	5	49
757	. <b>2019</b> ,		2
756	Self-Adaptive Particle Swarm Optimization for Large-Scale Feature Selection in Classification. <b>2019</b> , 13, 1-27		125
755	A machine-learning-based prediction model of fistula formation after interstitial brachytherapy for locally advanced gynecological malignancies. <b>2019</b> , 18, 530-538		11
754	Cascaded LSTM recurrent neural network for automated sleep stage classification using single-channel EEG signals. <b>2019</b> , 106, 71-81		134
753	Optimal selection of signal features in the diagnostics of mining head tools condition. <b>2019</b> , 84, 451-460		9
752	Topological Properties of Resting-State fMRI Functional Networks Improve Machine Learning-Based Autism Classification. <b>2018</b> , 12, 1018		37
751	An automatic restoration framework based on GPU-accelerated collateral filtering in brain MR images. <b>2019</b> , 19, 8		2
750	An oculometrics-based biofeedback system to impede fatigue development during computer work: A proof-of-concept study. <b>2019</b> , 14, e0213704		4
749	Advances in Knowledge Discovery and Management. <b>2019</b> ,		
748	Peripheral Nerve Activation Evokes Machine-Learnable Signals in the Dorsal Column Nuclei. <b>2019</b> , 13, 11		5
747	A Review of Feature Reduction Methods for QSAR-Based Toxicity Prediction. <b>2019</b> , 119-139		8
746	Computational Modeling of Objects Presented in Images. Fundamentals, Methods, and Applications. <b>2019</b> ,		
745	Efficient feature selection of power quality events using two dimensional (2D) particle swarms. <b>2019</b> , 81, 105498		7

744	An Emotion-Embedded Visual Attention Model for Dimensional Emotion Context Learning. <i>IEEE Access</i> , <b>2019</b> , 7, 72457-72468	3.5	2
743	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2019</b> , 57, 6079-6103	8.1	19
742	Machine Learning Based Classification of Resting-State fMRI Features Exemplified by Metabolic State (Hunger/Satiety). <b>2019</b> , 13, 164		16
741	Sequential Projection Selection Methods for Binary Tomography. <b>2019</b> , 70-81		2
740	Feature selection based on brain storm optimization for data classification. <b>2019</b> , 80, 761-775		49
739	A two stages algorithm for feature selection based on feature score and genetic algorithms. <b>2019</b> , 13, 139-151		1
738	Optimal Feature Selection for Blind Super-resolution Image Quality Evaluation. <b>2019</b> ,		2
737	Orthogonal Floating Search Algorithms: From the perspective of nonlinear system identification. <b>2019</b> , 350, 221-236		5
736	. <i>IEEE Access</i> , <b>2019</b> , 7, 67380-67391	3.5	12
735	Force classification using surface electromyography from various object lengths and wrist postures. <b>2019</b> , 13, 1183-1190		7
734	Classification of Liver Diseases Based on Ultrasound Image Texture Features. <b>2019</b> , 9, 342		13
733	Sub-Nyquist wideband spectrum sensing techniques for cognitive radio: A review and proposed techniques. <b>2019</b> , 104, 44-57		14
732	Big Data Multimedia Mining: Feature Extraction Facing Volume, Velocity, and Variety. <b>2019</b> , 61-87		1
731	Wrapper Framework for Test-Cost-Sensitive Feature Selection. <b>2019</b> , 1-10		18
730	Early survival prediction in non-small cell lung cancer from PET/CT images using an intra-tumor partitioning method. <b>2019</b> , 60, 58-65		25
729	Deep learning and transfer learning features for plankton classification. <b>2019</b> , 51, 33-43		52
728	Curious Feature Selection. <b>2019</b> , 485, 42-54		9
727	Continuous affect recognition with weakly supervised learning. <b>2019</b> , 78, 19387-19412		3



726	Heterogeneous hand gesture recognition using 3D dynamic skeletal data. <b>2019</b> , 181, 60-72	25
725	Instance selection improves geometric mean accuracy: a study on imbalanced data classification. <b>2019</b> , 8, 215-228	24
724	Optimal training and test sets design for machine learning. <b>2019</b> , 1534-1545	8
723	. <b>2019</b> ,	0
722	An Improved Scheme of Proof-of-Stake Consensus Mechanism. <b>2019</b> ,	0
721	Correcting Block Attack on Reduced NEEVA. <b>2019</b> ,	0
720	. <b>2019</b> ,	0
719	Sentiment Analysis Using Naive Bayes Approach with Weighted Reviews - A Case Study. <b>2019</b> ,	1
718	Performance Analysis of Narrowband Internet of Things (NB-IoT) Deployment Modes. <b>2019</b> ,	2
717	Decentralized Strategies Based on Node Marks for Multi-Robot Patrolling on Weighted Graphs. <b>2019</b> ,	
716	Heart Disease Prediction System Using Model Of Machine Learning and Sequential Backward Selection Algorithm for Features Selection. <b>2019</b> ,	9
715	Gastric Section Detection Based on Decision Fusion of Convolutional Neural Networks. <b>2019</b> ,	1
714	. <b>2019</b> ,	
713	EDTM 2019 Copyright Page. <b>2019</b> ,	
712	Human and Vehicle Attenuations for Millimeter-wave Channels. <b>2019</b> ,	
711	Application of Microlectures Based on WeChat in Rehabilitation Nursing Teaching. <b>2019</b> ,	1
710	. <b>2019</b> ,	1
709	A High Phase Accuracy Multiphase DLL with Optimized VCDL Structure. <b>2019</b> ,	1

708	An Effective Radiomics Model for Noninvasive Discrimination of Fat-poor Angiomyolipoma from Clear Cell Renal Cell Carcinoma. <b>2019,</b>	2
707	. <b>2019,</b>	7
706	Power system dynamic economic dispatch with multi-type renewable energy. <b>2019,</b>	0
705	Estimating the Maximum a Posteriori Threshold for Serially Concatenated Turbo Codes. <b>2019,</b>	1
704	An Event-based Hierarchy Model for Object Recognition. <b>2019,</b>	1
703	The Detection Algorithms for Similar Duplicate Data. <b>2019,</b>	0
702	An Improved Meanshift Tracking Algorithm Using Adaptive Quantization Step in Color Space. <b>2019,</b>	0
701	RCS Calculation from Near-Field ISAR Imaging Techniques in Terahertz Band. <b>2019,</b>	
700	Using Data Analytic to Visualize Learning Style for Students TVET Polytechnic Malaysia. <b>2019,</b>	
699	A Distributed Digital Codec for Jointly Sparse Correlated Signals. <b>2019,</b>	
698	A Highly Reliable Wrist-Worn Acceleration-Based Fall Detector. <b>2019,</b>	3
697	Auditory Perception Based Anti-Spoofing System for Human Age Verification. <b>2019,</b> 8, 1313	4
696	. <b>2019,</b>	0
695	Optimal power scheduling in the presence of renewable resources and energy storage systems considering demand response. <b>2019,</b>	
694	Phase Diffractive Optical Element for the Beam Shaping in the Intracavity of a Microchip Laser. <b>2019,</b>	
693	Piezopotential in a Composite Piezoelectric Semiconductor Cantilever Produced by Shear Force. <b>2019,</b>	
692	Study on the reliability of solder joined on the aluminum layer using an ultrasound assisted soldering. <b>2019,</b>	
691	Comparison of Methods for Granger Causality Network Estimation. <b>2019,</b>	1

690	A Semi Closed Loop Compensation Method for Trajectory Error of Continuum Robot Based on Vector Method. <b>2019,</b>	
689	Design of SAR ADC to Light Charging for Optical Sensors Applications. <b>2019,</b>	
688	Proactive Secure Coding for iOS Applications. <b>2019,</b>	
687	PyPLT: Python Preference Learning Toolbox. <b>2019,</b>	1
686	Intelligent System for Identifying Dyscalculia Based on Raspberry Pi. <b>2019,</b>	4
685	Necessary and sufficient conditions for containment control of heterogeneous linear multi-agent systems with fixed time delay. <b>2019, 13, 2065-2074</b>	9
684	Reducing the template ageing effect in on-line signature biometrics. <b>2019, 8, 422-430</b>	13
683	A 28GHz Sliding-IF Receiver in 22nm FDSOI. <b>2019,</b>	
682	Identification of Relevant Diffusion MRI Metrics Impacting Cognitive Functions Using a Novel Feature Selection Method. <b>2019,</b>	
681	Heart Rate Variability for Driver Sleepiness Classification in Real Road Driving Conditions. <b>2019, 2019, 6537-6540</b>	3
680	Complex neural fuzzy system and its application on multi-class prediction A novel approach using complex fuzzy sets, IIM and multi-swarm learning. <b>2019, 84, 105735</b>	13
679	Improving Classification Accuracy Using Combined Filter+Wrapper Feature Selection Technique. <b>2019,</b>	2
678	6. Dimensionalitätsreduktion. <b>2019, 119-164</b>	
677	Characterizing the Effects of Rapid LTE Deployment: A Data-Driven Analysis. <b>2019,</b>	3
676	Hyperspectral Remote Sensing Image Band Selection Via Multi-Objective Sine Cosine Algorithm. <b>2019,</b>	4
675	Feature Selection. <b>2019, 173-198</b>	
674	Morphological Neuroimaging Biomarkers for Tinnitus: Evidence Obtained by Applying Machine Learning. <b>2019, 2019, 1712342</b>	7
673	Using orthogonal locality preserving projections to find dominant features for classifying retinal blood vessels. <b>2019, 78, 12783-12803</b>	1

672	Identifying Computer Generated Images Based on Quaternion Central Moments in Color Quaternion Wavelet Domain. <b>2019</b> , 29, 2775-2785		30
671	Electroencephalogram Emotion Recognition Based on Empirical Mode Decomposition and Optimal Feature Selection. <b>2019</b> , 11, 517-526		23
670	Surface EMG Signal Classification Using Ensemble Algorithm, PCA and DWT for Robot Control. <b>2019</b> , 218-230		4
669	A Fast Feature Selection Method Based on Mutual Information in Multi-label Learning. <b>2019</b> , 424-437		2
668	Development of a machine vision system using the support vector machine regression (SVR) algorithm for the online prediction of iron ore grades. <b>2019</b> , 12, 197-210		21
667	Estimating post-editing time using a gold-standard set of machine translation errors. <b>2019</b> , 55, 120-144		3
666	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2019</b> , 57, 14-31	8.1	35
665	Treatment Outcome Prediction for Cancer Patients based on Radiomics and Belief Function Theory. <b>2019</b> , 3, 216-224		15
664	A Review on Dimensionality Reduction Techniques. <b>2019</b> , 33, 1950017		29
663	On-Device AI-Based Cognitive Detection of Bio-Modality Spoofing in Medical Cyber Physical System. <i>IEEE Access</i> , <b>2019</b> , 7, 2126-2137	3.5	8
662	Deep understanding in industrial processes by complementing human expertise with interpretable patterns of machine learning. <i>Expert Systems With Applications</i> , <b>2019</b> , 122, 388-405	7.8	14
661	Validating Deep Neural Networks for Online Decoding of Motor Imagery Movements from EEG Signals. <b>2019</b> , 19,		70
660	PLIT: An alignment-free computational tool for identification of long non-coding RNAs in plant transcriptomic datasets. <b>2019</b> , 105, 169-181		22
659	A hybrid model of fuzzy minmax and brain storm optimization for feature selection and data classification. <b>2019</b> , 333, 440-451		31
658	Classification of contrast-enhanced spectral mammography (CESM) images. <b>2019</b> , 14, 249-257		17
657	Mutual information based multi-label feature selection via constrained convex optimization. <b>2019</b> , 329, 447-456		34
656	Integrating heterogeneous sources for predicting question temporal anchors across Yahoo! Answers. <b>2019</b> , 50, 112-125		6
655	Fingerprint liveness detection using local quality features. <b>2019</b> , 35, 1393-1410		22

654	Differential evolution for feature selection: a fuzzy wrapperfilter approach. <b>2019</b> , 23, 5233-5248	29
653	Feature selection based on conditional mutual information: minimum conditional relevance and minimum conditional redundancy. <b>2019</b> , 49, 883-896	26
652	A Hybrid Feature Selection Method Based on Binary State Transition Algorithm and ReliefF. <b>2019</b> , 23, 1888-1898	43
651	Deep learning for printed document source identification. <b>2019</b> , 70, 184-198	7
650	A survey of feature selection methods for Gaussian mixture models and hidden Markov models. <b>2019</b> , 52, 1739-1779	16
649	A new algorithm of modified binary particle swarm optimization based on the Gustafson-Kessel for credit risk assessment. <b>2019</b> , 31, 337-346	18
648	Machine Learning Techniques for Analyzing Training Behavior in Serious Gaming. <b>2019</b> , 11, 109-120	5
647	Prediction of cardiac death after adenosine myocardial perfusion SPECT based on machine learning. <b>2019</b> , 26, 1746-1754	42
646	Online streaming feature selection: a minimum redundancy, maximum significance approach. <b>2019</b> , 22, 949-963	7
645	Feature selection based on correlation deflation. <b>2019</b> , 31, 6383-6392	3
644	Driver Sleepiness Classification Based on Physiological Data and Driving Performance From Real Road Driving. <b>2019</b> , 20, 421-430	38
643	Iris sensor identification in multi-camera environment. <b>2019</b> , 45, 333-345	8
642	A Probabilistic Framework for Molecular Network Structure Inference by Means of Mechanistic Modeling. <b>2019</b> , 16, 1843-1854	0
641	Automatic ECG-Based Emotion Recognition in Music Listening. <b>2020</b> , 11, 85-99	51
640	Physiological Detection of Affective States in Children with Autism Spectrum Disorder. <b>2020</b> , 11, 588-600	15
639	Elitism based Multi-Objective Differential Evolution for feature selection: A filter approach with an efficient redundancy measure. <b>2020</b> , 32, 174-187	7
638	A GA based hierarchical feature selection approach for handwritten word recognition. <b>2020</b> , 32, 2533-2552	38
637	Financial crisis prediction model using ant colony optimization. <b>2020</b> , 50, 538-556	50

636	Extraction of built-up areas from Landsat-8 OLI data based on spectral-textural information and feature selection using support vector machine method. <b>2020</b> , 35, 1067-1087	8
635	Measuring Shapes with Desired Convex Polygons. <b>2020</b> , 42, 1394-1407	1
634	Partial Bayesian Co-training for Virtual Metrology. <b>2020</b> , 16, 2937-2945	6
633	Streaming feature selection algorithms for big data: A survey. <b>2020</b> , ahead-of-print,	12
632	A survey of mono- and multi-lingual character recognition using deep and shallow architectures: indic and non-indic scripts. <b>2020</b> , 53, 1813-1872	5
631	M3U: Minimum Mean Minimum Uncertainty Feature Selection for Multiclass Classification. <b>2020</b> , 92, 9-22	2
630	Filtering techniques for channel selection in motor imagery EEG applications: a survey. <b>2020</b> , 53, 1207-1232	38
629	Hybrid Efficient Genetic Algorithm for Big Data Feature Selection Problems. <b>2020</b> , 25, 1009-1025	6
628	An efficient model-level fusion approach for continuous affect recognition from audiovisual signals. <b>2020</b> , 376, 42-53	4
627	Subject-specific EEG channel selection using non-negative matrix factorization for lower-limb motor imagery recognition. <b>2020</b> , 17, 026029	18
626	Sampling Techniques for Supervised or Unsupervised Tasks. <b>2020</b> ,	5
625	A restrictive polymorphic ant colony algorithm for the optimal band selection of hyperspectral remote sensing images. <b>2020</b> , 41, 1093-1117	5
624	Neural correlates and detection of braking intention under critical situations based on the power spectra of electroencephalography signals. <b>2020</b> , 63, 1	0
623	Unsupervised feature selection based on bio-inspired approaches. <b>2020</b> , 52, 100618	6
622	Exploratory Data Mining for Subgroup Cohort Discoveries and Prioritization. <b>2020</b> , 24, 1456-1468	4
621	Subgrouping Factors Influencing Migraine Intensity in Women: A Semi-automatic Methodology Based on Machine Learning and Information Geometry. <b>2020</b> , 20, 297-309	5
620	Identification of IDH and TERTp mutation status using H-MRS in 112 hemispheric diffuse gliomas. <b>2020</b> , 51, 1799-1809	8
619	Effect of Starch Isolation Method on Structural and Physicochemical Properties of Acorn Kernel Starch. <b>2020</b> , 72, 1900122	11

618	Second Order Training and Sizing for the Multilayer Perceptron. <b>2020</b> , 51, 963-991	4
617	A study on metaheuristics approaches for gene selection in microarray data: algorithms, applications and open challenges. <b>2020</b> , 13, 309-329	9
616	A condition-independent framework for the classification of error-related brain activity. <b>2020</b> , 58, 573-587	4
615	Prediction of treatment resistance in obsessive compulsive disorder patients based on EEG complexity as a biomarker. <b>2020</b> , 131, 716-724	8
614	Development of a new oligonucleotide block location-based feature extraction (BLBFE) method for the classification of riboswitches. <b>2020</b> , 295, 525-534	4
613	Machine Learning Methods for Computer-Aided Breast Cancer Diagnosis Using Histopathology: A Narrative Review. <b>2020</b> , 51, 182-193	24
612	Machine Learning Systems for Multimodal Affect Recognition. <b>2020</b> ,	
611	Prediction of individual responses to electroconvulsive therapy in patients with schizophrenia: Machine learning analysis of resting-state electroencephalography. <b>2020</b> , 216, 147-153	5
610	Local feature selection based on artificial immune system for classification. <b>2020</b> , 87, 105989	18
609	Evolving the pulmonary nodules diagnosis from classical approaches to deep learning-aided decision support: three decades' development course and future prospect. <b>2020</b> , 146, 153-185	26
608	A Novel Approach for EEG Electrode Selection in Automated Emotion Recognition Based on Lagged Poincaré Indices and sLORETA. <b>2020</b> , 12, 602-618	20
607	Chemometrics for QSAR Modeling. <b>2020</b> , 599-634	5
606	Detection of Mild Cognitive Impairment in an At-Risk Group of Older Adults: Can a Novel Self-Administered Serious Game-Based Screening Test Improve Diagnostic Accuracy?. <b>2020</b> , 78, 405-412	11
605	Non-Destructive Assessment of Chicken Egg Fertility. <b>2020</b> , 20,	2
604	Load Position and Weight Classification during Carrying Gait Using Wearable Inertial and Electromyographic Sensors. <b>2020</b> , 20,	1
603	Hyperspectral imaging technology for quality and safety evaluation of horticultural products: A review and celebration of the past 20-year progress. <b>2020</b> , 170, 111318	51
602	Comparison of patient stratification by computed tomography radiomics and hypoxia positron emission tomography in head-and-neck cancer radiotherapy. <b>2020</b> , 15, 52-59	2
601	. <i>IEEE Access</i> , <b>2020</b> , 8, 112427-112453	3-5 4

600	The design of variable-length coding matrix for improving error correcting output codes. <b>2020</b> , 534, 192-217	4
599	Approaches to Multi-Objective Feature Selection: A Systematic Literature Review. <i>IEEE Access</i> , <b>2020</b> , 1-1	3.5 43
598	A semi-supervised model for Persian rumor verification based on content information. <b>2020</b> , 1	8
597	Recognition of Impulse of Love at First Sight Based On Photoplethysmography Signal. <b>2020</b> , 20,	2
596	Graphs from Features: Tree-Based Graph Layout for Feature Analysis. <i>Algorithms</i> , <b>2020</b> , 13, 302	1.8 1
595	Blind Image Quality Assessment for Super Resolution via Optimal Feature Selection. <i>IEEE Access</i> , <b>2020</b> , 8, 143201-143218	3.5 2
594	Detection of Insect Damage in Green Coffee Beans Using VIS-NIR Hyperspectral Imaging. <i>Remote Sensing</i> , <b>2020</b> , 12, 2348	5 12
593	Unsupervised dimensionality reduction of hyperspectral images using representations of reflectance spectra. <b>2020</b> , 41, 7820-7845	1
592	Dorsal Column Nuclei Neural Signal Features Permit Robust Machine-Learning of Natural Tactile- and Proprioception-Dominated Stimuli. <b>2020</b> , 14, 46	1
591	A Stacking Ensemble Model to Predict Daily Number of Hospital Admissions for Cardiovascular Diseases. <i>IEEE Access</i> , <b>2020</b> , 8, 138719-138729	3.5 5
590	Crowd Density Estimation Method Using Reduced Features Set. <b>2020</b> ,	
589	Towards Intelligent Data Analytics: A Case Study in Driver Cognitive Load Classification. <b>2020</b> , 10,	7
588	Improving the Precision of Wireless Localization Algorithms: ML Techniques for Indoor Positioning. <b>2020</b> ,	1
587	Deep Models and Shortwave Infrared Information to Detect Face Presentation Attacks. <b>2020</b> , 2, 399-409	21
586	Design and development of a machine vision system using artificial neural network-based algorithm for automated coal characterization. <b>2020</b> , 8, 737	1
585	ROC with Cost Pareto Frontier Feature Selection Using Search Methods. <b>2020</b> , 4, 1	0
584	How Are Personality States Associated with Smartphone Data?. <b>2020</b> , 34, 687-713	9
583	Myoelectric digit action decoding with multi-output, multi-class classification: an offline analysis. <b>2020</b> , 10, 16872	4



582	Mining genetic and transcriptomic data using machine learning approaches in Parkinson's disease. <b>2020</b> , 6, 24	8
581	Roller Leveler Monitoring Using Acceleration Measurements and Models for Steel Strip Properties. <b>2020</b> , 8, 43	
580	[Front cover]. <b>2020</b> ,	
579	A group evaluation based binary PSO algorithm for feature selection in high dimensional data. <b>2020</b> , 1	1
578	Predicting Critical Bicycle-Vehicle Conflicts at Signalized Intersections. <b>2020</b> , 2020, 1-16	3
577	Bibliography. <b>2020</b> , 613-678	
576	A feature selection approach combining neural networks with genetic algorithms. <b>2020</b> , 32, 361-372	
575	Pragmatic Aspects of Discourse Production for the Automatic Identification of Alzheimer's Disease. <b>2020</b> , 14, 261-271	4
574	Alpha Frequency Intervention by Electrical Stimulation to Improve Performance in Mu-Based BCI. <b>2020</b> , 28, 1262-1270	8
573	An Integrated Method for High-Dimensional Imbalanced Assembly Quality Prediction Supported by Edge Computing. <i>IEEE Access</i> , <b>2020</b> , 8, 71279-71290	3-5 7
572	Intelligent Machine Learning Approach for Effective Recognition of Diabetes in E-Healthcare Using Clinical Data. <b>2020</b> , 20,	29
571	Robust HDR image quality assessment using combination of quality metrics. <b>2020</b> , 79, 22843-22867	3
570	Characterization of interstitial diffuse fibrosis patterns using texture analysis of myocardial native T1 mapping. <b>2020</b> , 15, e0233694	4
569	Hybrid feature selection-based feature fusion for liver disease classification on ultrasound images. <b>2020</b> , 145-164	1
568	Predicting lane-changing risk level based on vehicles's space-series features: A pre-emptive learning approach. <b>2020</b> , 116, 102646	18
567	Modern Trends in Diatom Identification. <b>2020</b> ,	6
566	Gene encoder: a feature selection technique through unsupervised deep learning-based clustering for large gene expression data. <b>2020</b> , 1	9
565	Feature Engineering and Computational Intelligence in ECG Monitoring. <b>2020</b> ,	0

564	Binary Multi-Objective Grey Wolf Optimizer for Feature Selection in Classification. <i>IEEE Access</i> , <b>2020</b> , 8, 106247-106263	3.5	44
563	A Measure of Q-convexity for Shape Analysis. <b>2020</b> , 62, 1121-1135		
562	Integrating tumor and nodal radiomics to predict lymph node metastasis in gastric cancer. <b>2020</b> , 150, 89-96		12
561	Advances in Polymer Processing 2020. <b>2020</b> ,		2
560	A Blockchain-based Self-tallying Voting Protocol in Decentralized IoT. <b>2020</b> , 1-1		10
559	Performance Analysis of Large Intelligent Surface Aided Backscatter Communication Systems. <b>2020</b> , 1-1		32
558	Machine Learning to Identify Flexibility Signatures of Class A GPCR Inhibition. <b>2020</b> , 10,		5
557	Automatic classification of apnea and normal subjects using new features extracted from HRV and ECG-derived respiration signals. <b>2020</b> , 59, 101927		19
556	A Steel Surface Defect Recognition Algorithm Based on Improved Deep Learning Network Model Using Feature Visualization and Quality Evaluation. <i>IEEE Access</i> , <b>2020</b> , 8, 49885-49895	3.5	9
555	Decoding of Pain Perception using EEG Signals for a Real-Time Reflex System in Prostheses: A Case Study. <b>2020</b> , 10, 5606		5
554	A Small-AC-Signal Injection-Based Decentralized Secondary Frequency Control for Droop-Controlled Islanded Microgrids. <b>2020</b> , 35, 11634-11651		19
553	Floating Search Methodology for Combining Classification Models for Site Recognition in DNA Sequences. <b>2021</b> , 18, 2471-2482		2
552	Protein Secondary Structure Prediction: A Review of Progress and Directions. <b>2020</b> , 15, 90-107		18
551	Wideband spectrum sensing using multicoheset sampling and extended orthogonal matching pursuit. <b>2020</b> ,		0
550	Performance evaluation of the spectral autocorrelation function and autoregressive models for automated sleep apnea detection using single-lead ECG signal. <b>2020</b> , 195, 105626		15
549	A survey on swarm intelligence approaches to feature selection in data mining. <b>2020</b> , 54, 100663		86
548	Deep Learning Approach for Apple Edge Detection to Remotely Monitor Apple Growth in Orchards. <i>IEEE Access</i> , <b>2020</b> , 8, 26911-26925	3.5	14
547	Optimal Selection of EEG Electrodes Using Interval Type-2 Fuzzy-Logic-Based Semiseparating Signaling Game. <b>2020</b> ,		1

546	Wavelet packet analysis for speaker-independent emotion recognition. <b>2020</b> , 398, 257-264		22
545	Comparative performance of convolutional neural network, weighted and conventional support vector machine and random forest for classifying tree species using hyperspectral and photogrammetric data. <b>2020</b> , 57, 369-394		36
544	Non-Contact Fault Diagnosis of Bearings in Machine Learning Environment. <b>2020</b> , 20, 4816-4823		14
543	Hyperspectral Classification of Plants: A Review of Waveband Selection Generalisability. <i>Remote Sensing</i> , <b>2020</b> , 12, 113	5	44
542	Texture signatures of native myocardial T as novel imaging markers for identification of hypertrophic cardiomyopathy patients without scar. <b>2020</b> , 52, 906-919		10
541	Improving environment detection by behavior association for context-adaptive navigation. <b>2020</b> , 67, 43-60		3
540	Multiobjective Hyperspectral Feature Selection Based on Discrete Sine Cosine Algorithm. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2020</b> , 58, 3601-3618	8.1	17
539	Feature Selection for Facial Emotion Recognition Using Cosine Similarity-Based Harmony Search Algorithm. <b>2020</b> , 10, 2816		21
538	An Efficient, Parallelized Algorithm for Optimal Conditional Entropy-Based Feature Selection. <b>2020</b> , 22,		1
537	An ensemble multi-step-ahead forecasting system for fine particulate matter in urban areas. <b>2020</b> , 263, 120983		15
536	Artificial Intelligence-Based Fault Diagnosis for Condition Monitoring of Electric Motors. <b>2020</b> , 34, 2059043		5
535	A new BAT optimization algorithm based feature selection method for electrocardiogram heartbeat classification using empirical wavelet transform and Fisher ratio. <b>2020</b> , 11, 2439-2452		2
534	Towards human activity recognition for ubiquitous health care using data from awaist-mounted smartphone. <b>2020</b> , 28, 646-663		0
533	Highly Reconfigurable Dual-Band Coupler With Independently Tunable Frequency and Coupling Coefficient at the Lower Band. <b>2021</b> , 68, 2408-2416		3
532	Aerial Visual Perception in Smart Farming: Field Study of Wheat Yellow Rust Monitoring. <b>2021</b> , 17, 2242-2249		44
531	Heart Rate Variability for Classification of Alert Versus Sleep Deprived Drivers in Real Road Driving Conditions. <b>2021</b> , 22, 3316-3325		9
530	Deep Ensemble Feature Network for Gastric Section Classification. <b>2021</b> , 25, 77-87		3
529	Derived Fuzzy Measures and Derived Choquet Integrals With Some Properties. <b>2021</b> , 29, 1320-1324		3

528	Cuckoo Search and Its Variants in Digital Image Processing: A Comprehensive Review. <b>2021</b> , 1-20		
527	Illuminance Compensation and Texture Enhancement via the Hodge Decomposition. <b>2021</b> , 31, 956-971		
526	A novel approach based on BSPCI for quantifying functional connectivity pattern of the brain region for the classification of epileptic seizure. <b>2021</b> , 12, 4037-4047		3
525	. <b>2021</b> , 29, 1395-1408		14
524	Improved coral reefs optimization with adaptive (beta )-hill climbing for feature selection. <b>2021</b> , 33, 6467-6486		3
523	Short search space and synthesized-reference re-ranking for face image retrieval. <b>2021</b> , 99, 106871		2
522	Narrowband Radar Automatic Target Recognition Based on a Hierarchical Fusing Network With Multidomain Features. <b>2021</b> , 18, 1039-1043		0
521	Sparse evolutionary deep learning with over one million artificial neurons on commodity hardware. <b>2021</b> , 33, 2589-2604		9
520	Target-Constrained Interference-Minimized Band Selection for Hyperspectral Target Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 59, 6044-6064	8.1	16
519	Atlas-based score for automatic glaucoma risk stratification. <b>2021</b> , 87, 101797		
518	Feature selection for multi-label classification by maximizing full-dimensional conditional mutual information. <b>2021</b> , 51, 326-340		6
517	Two-Steps Wrapper-Based Feature Selection in Classification: A Comparison Between Continuous and Binary Variants of Cuckoo Optimisation Algorithm. <b>2021</b> , 145-175		1
516	Hybrid Binary Grey Wolf With Harris Hawks Optimizer for Feature Selection. <i>IEEE Access</i> , <b>2021</b> , 9, 31662-31677	3.5	22
515	Applied machine learning in recognition of DGA domain names. <b>2021</b> , 46-46		0
514	An Artificial Intelligence System for Endotracheal Intubation Confirmation. <b>2021</b> , 133-140		
513	. <i>IEEE Access</i> , <b>2021</b> , 9, 6930-6947	3.5	3
512	A Novel Channel Selection Method for BCI Classification Using Dynamic Channel Relevance. <i>IEEE Access</i> , <b>2021</b> , 9, 126698-126716	3.5	2
511	Using Different Combinations of Body-Mounted IMU Sensors to Estimate Speed of Horses-A Machine Learning Approach. <b>2021</b> , 21,		4

510	Metric and Accuracy Ranked Feature Inclusion: Hybrids of Filter and Wrapper Feature Selection Approaches. <i>IEEE Access</i> , <b>2021</b> , 9, 128687-128701	3.5	2
509	A recursive ensemble-based feature selection for multi-output models to discover patterns among the soil nutrients. <b>2021</b> , 208, 104221		3
508	Semi-supervised Learning in Computer-aided Diagnosis. <b>2021</b> ,		
507	Improved Crowding Distance in Multi-objective Optimization for Feature Selection in Classification. <b>2021</b> , 489-505		2
506	EEG Decoding of Pain Perception for a Real-Time Reflex System in Prostheses. <b>2021</b> , 47-58		
505	Feature Selection and Sparse Learning. <b>2021</b> , 265-285		
504	Prediction of local recurrence and distant metastasis using radiomics analysis of pretreatment nasopharyngeal [18F]FDG PET/CT images. <b>2021</b> , 35, 458-468		8
503	Feature Extraction and Classification of Heart Murmurs Based on Acoustic Qualities. <b>2021</b> ,		1
502	Online Streaming Feature Selection Using Geometric Series of the Adjacency Matrix of Features. <b>2021</b> , 17, 3-14		
501	Two-dimensional Intrusion Detection System: A New Feature Selection Technique. <b>2021</b> ,		
500	File fragment recognition based on content and statistical features. <b>2021</b> , 80, 18859-18874		2
499	Measurement of the principal quantum number distribution in a beam of antihydrogen atoms. <b>2021</b> , 75, 1		4
498	A review of the medical hyperspectral imaging systems and unmixing algorithms' in biological tissues. <b>2021</b> , 33, 102165		14
497	Predicting clinical outcomes in the Machine Learning era: The Piacenza score a purely data driven approach for mortality prediction in COVID-19 Pneumonia.		
496	A Machine Learning Approach for Mortality Prediction in COVID-19 Pneumonia: Development and Evaluation of the Piacenza Score (Preprint).		
495	A novel combinatorial optimization based feature selection method for network intrusion detection. <b>2021</b> , 102, 102164		16
494	Smoothed Shock Filtering: Algorithm and Applications. <b>2021</b> , 7,		2
493	The Prediction of Acute Postoperative Pain Based on Neural Oscillations Measured before the Surgery. <b>2021</b> , 2021, 5543974		

492	Reliable Traffic Sensor Deployment Considering Disruptions Using Floating Search Method. 1	
491	To trust or not to trust an explanation: using LEAF to evaluate local linear XAI methods. <b>2021</b> , 7, e479	6
490	Automatic identification of myopic maculopathy related imaging features in optic disc region via machine learning methods. <b>2021</b> , 19, 167	1
489	Automatic seizure detection using orthogonal matching pursuit, discrete wavelet transform, and entropy based features of EEG signals. <b>2021</b> , 131, 104250	20
488	Statistical Feature Extraction and Hybrid Feature Selection for Material Removal Rate Prediction in Chemical Mechanical Planarization Process. <b>2021</b> ,	2
487	Multi-shot person re-identification based on appearance and spatial-temporal cues in a large camera network. <b>2021</b> , 32, 1	
486	A Machine Learning Approach for Mortality Prediction in COVID-19 Pneumonia: Development and Evaluation of the Piacenza Score. <b>2021</b> , 23, e29058	13
485	Spectroscopic detection of rice leaf blast infection from asymptomatic to mild stages with integrated machine learning and feature selection. <b>2021</b> , 257, 112350	8
484	Sound event classification using neural networks and feature selection based methods. <b>2021</b> ,	2
483	Explainable artificial intelligence in high-throughput drug repositioning for subgroup stratifications with interventionable potential. <b>2021</b> , 118, 103792	0
482	An Insight on Software Features Supporting Software Transplantation: A Systematic Review. 1	
481	Multi-stage dimension reduction for expensive sparse multi-objective optimization problems. <b>2021</b> , 440, 159-174	6
480	Breast Cancer Risk Assessment: A Review on Mammography-Based Approaches. <b>2021</b> , 7, 98	1
479	Enforcing Constraints for Machine Learning Systems via Declarative Feature Selection: An Experimental Study. <b>2021</b> ,	2
478	Identifying COVID-19 by using spectral analysis of cough recordings: a distinctive classification study. <b>2021</b> , 1-15	7
477	Writer Identification Using Microblogging Texts for Social Media Forensics. <b>2021</b> , 3, 405-426	3
476	Detection of Advanced Web Bots by Combining Web Logs with Mouse Behavioural Biometrics. <b>2021</b> , 2, 1-26	2
475	Masquerade Attack Analysis for Secured Face Biometric System. <b>2021</b> , 10, 225-232	

474	Using machine learning approaches for multi-omics data analysis: A review. <b>2021</b> , 49, 107739		40
473	Autism spectrum disorder detection using sequential minimal optimization-support vector machine hybrid classifier according to history of jaundice and family autism in children. e6498		1
472	Benchmarking Analysis of the Accuracy of Classification Methods Related to Entropy. <b>2021</b> , 23,		2
471	Determining molecular archetype composition and expression from bulk tissues with unsupervised deconvolution.		
470	A Review of Current Methods for Repositioning Drugs and Chemical Compounds. <b>2021</b> , 11, 711225		0
469	Intelligent Computer-Aided Prostate Cancer Diagnosis Systems: State-of-the-Art and Future Directions. <b>2021</b> , 2021, 1-17		1
468	A major depressive disorder classification framework based on EEG signals using statistical, spectral, wavelet, functional connectivity, and nonlinear analysis. <b>2021</b> , 358, 109209		11
467	Comparison among random forest, logistic regression, and existing clinical risk scores for predicting outcomes in patients with atrial fibrillation: A report from the J-RHYTHM registry. <b>2021</b> , 44, 1305-1315		4
466	Dual self-paced multi-view clustering. <b>2021</b> , 140, 184-192		5
465	Quantification of pain severity using EEG-based functional connectivity. <b>2021</b> , 69, 102840		1
464	Prospective Study of a Multimodal Convulsive Seizure Detection Wearable System on Pediatric and Adult Patients in the Epilepsy Monitoring Unit. <b>2021</b> , 12, 724904		1
463	Introduction to Sentiment Analysis Covering Basics, Tools, Evaluation Metrics, Challenges, and Applications. <b>2022</b> , 249-277		2
462	An analytical study of modified multi-objective Harris Hawk Optimizer towards medical data feature selection. <b>2021</b> , 135, 104558		15
461	Feature selection using stochastic approximation with Barzilai and Borwein non-monotone gains. <b>2021</b> , 132, 105334		0
460	Using Machine Learning Algorithms for Identifying Gait Parameters Suitable to Evaluate Subtle Changes in Gait in People with Multiple Sclerosis. <b>2021</b> , 11,		4
459	A novel multi-objective forest optimization algorithm for wrapper feature selection. <i>Expert Systems With Applications</i> , <b>2021</b> , 175, 114737	7.8	17
458	CASCARO: Cascade of classifiers for minimizing the cost of prediction. <i>Pattern Recognition Letters</i> , <b>2021</b> , 149, 37-43	4.7	0
457	Feature selection and deep neural networks for stock price direction forecasting using technical analysis indicators. <b>2021</b> , 5, 100060		8

456	What identifies different age cohorts in Yahoo! Answers?. <b>2021</b> , 228, 107278		2
455	A compound of feature selection techniques to improve solar radiation forecasting. <i>Expert Systems With Applications</i> , <b>2021</b> , 178, 114979	7.8	13
454	Identification of Prognostic Biomarker Candidates Associated With Melanoma Using High-Dimensional Genomic Data. <b>2021</b> , 12, 707105		
453	Classification of autism spectrum disorders individuals and controls using phase and envelope features from resting-state fMRI data. 1-12		
452	A Novel Multi-objective Differential Evolution Algorithm for Clustering Data Streams. <b>2022</b> , 67-78		
451	AIEOU: Automata-based improved equilibrium optimizer with U-shaped transfer function for feature selection. <b>2021</b> , 228, 107283		7
450	Surface Electromyogram Feature Set Optimization for Lower Limb Activity Classification. 1-15		1
449	Upper-Limb Motion Recognition Based on Hybrid Feature Selection: Algorithm Development and Validation. <b>2021</b> , 9, e24402		2
448	Multi-parametric MRI phenotype with trustworthy machine learning for differentiating CNS demyelinating diseases. <b>2021</b> , 19, 377		0
447	A hybrid ensemble-filter wrapper feature selection approach for medical data classification. <b>2021</b> , 217, 104396		5
446	Dual-graph regularized subspace learning based feature selection. <b>2021</b> , 117, 103175		0
445	Fast, easy-to-use, machine learning-developed models of prediction of flash point, heat of combustion, and lower and upper flammability limits for inherently safer design. <b>2021</b> , 155, 107524		4
444	A stochastic approximation approach to simultaneous feature weighting and selection for nearest neighbour learners. <i>Expert Systems With Applications</i> , <b>2021</b> , 185, 115671	7.8	1
443	Improving performance with hybrid feature selection and ensemble machine learning techniques for code smell detection. <b>2021</b> , 212, 102713		2
442	Multimodal particle swarm optimization for feature selection. <b>2021</b> , 113, 107887		1
441	Deep-Learning-Based Automatic Selection of Fewest Channels for Brain-Machine Interfaces. <b>2021</b> , PP,		2
440	Optinformatics Within a Single Problem Domain. <b>2021</b> , 17-74		
439	Vibration Response-Based Intelligent Non-Contact Fault Diagnosis of Bearings. <b>2021</b> , 4,		7



438	Adaptive feature selection in PET scans based on shared information and multi-label learning.	1
437	Credit Scoring. <b>2021</b> , 580-605	1
436	Real-Time Adaptation of Driving Time and Rest Periods in Automated Long-Haul Trucking: Development of a System Based on Biomathematical Modelling, Fatigue and Relaxation Monitoring. <b>2021</b> , 1-9	2
435	Multi-Sensor Fusion. <b>2006</b> , 239-285	8
434	Feature Selection for Hyperspectral Data Classification Using Double Parallel Feedforward Neural Networks. <b>2005</b> , 58-66	4
433	Boosting Feature Selection. <b>2005</b> , 305-314	12
432	An Efficient Feature Selection Method for Object Detection. <b>2005</b> , 461-468	3
431	A Joint System for Person Tracking and Face Detection. <b>2005</b> , 47-59	9
430	Feature Over-Selection. <b>2006</b> , 622-631	10
429	Flexible-Hybrid Sequential Floating Search in Statistical Feature Selection. <b>2006</b> , 632-639	13
428	Speeding Up the Wrapper Feature Subset Selection in Regression by Mutual Information Relevance and Redundancy Analysis. <b>2006</b> , 31-40	14
427	Optimal sensor placement for predictive cardiac motion modeling. <b>2006</b> , 9, 512-9	5
426	Pairwise Selection of Features and Prototypes. <b>2005</b> , 271-278	6
425	Evaluating Feature Selection Algorithms. <b>2002</b> , 216-227	13
424	A Divergence Criterion for Classifier-Independent Feature Selection. <b>2000</b> , 668-676	4
423	Comparison of Classifier-Specific Feature Selection Algorithms. <b>2000</b> , 677-686	5
422	Improving Statistical Measures of Feature Subsets by Conventional and Evolutionary Approaches. <b>2000</b> , 77-86	4
421	Feature Selection Based on Fuzzy Distances Between Clusters: First Results on Simulated Data. <b>2001</b> , 186-195	7

420	Advances in Statistical Feature Selection. <b>2001</b> , 427-436	6
419	EBS k-d Tree: An Entropy Balanced Statistical k-d Tree for Image Databases with Ground-Truth Labels. <b>2003</b> , 467-477	8
418	Empirical Evaluation of Feature Subset Selection Based on a Real-World Data Set. <b>2000</b> , 575-580	6
417	Pump Failure Detection Using Support Vector Data Descriptions. <b>1999</b> , 415-425	25
416	Color texture classification by wavelet energy correlation signatures. <b>1997</b> , 327-334	13
415	On Feature Selection with Measurement Cost and Grouped Features. <b>2002</b> , 461-469	11
414	Effects of Many Feature Candidates in Feature Selection and Classification. <b>2002</b> , 480-487	2
413	Decision Tree Using Class-Dependent Feature Subsets. <b>2002</b> , 761-769	5
412	Introduction to Multibiometrics. <b>2008</b> , 271-292	29
411	Encyclopedia of Biometrics. <b>2009</b> , 597-602	4
410	Microarray Data Feature Selection Using Hybrid GA-IBPSO. <b>2008</b> , 243-253	3
409	Characterizing Imaging Data. <b>2010</b> , 197-255	2
408	Statistical Approaches for Modeling in Microbial Source Tracking. <b>2011</b> , 207-227	3
407	Multi-sensor Fusion. <b>2014</b> , 301-354	13
406	Recent Feature Selection Methods in Statistical Pattern Recognition. <b>2003</b> , 565-615	1
405	Enhanced Neighbourhood Specifications for Pattern Classification. <b>2003</b> , 673-702	3
404	Function Approximation. <b>2010</b> , 395-442	1
403	Security, Privacy, and Usability Challenges in Selfie Biometrics. <b>2019</b> , 313-353	1

402	Diagnosing Parkinson's Disease with the Use of a Reduced Set of Patients' Voice Features Samples. <b>2019</b> , 84-95	4
401	From Supervised Instance and Feature Selection Algorithms to Dual Selection: A Review. <b>2020</b> , 83-128	4
400	Feature Selection Meets Unsupervised Learning. <b>2020</b> , 125-155	1
399	Feature Selection of Motor Imagery EEG Signals Using Firefly Temporal Difference Q-Learning and Support Vector Machine. <b>2013</b> , 534-545	6
398	Medical Diagnosis by Using Machine Learning Techniques. <b>2014</b> , 39-79	3
397	Video Segmentation of Life-Logging Videos. <b>2014</b> , 1-9	4
396	SFFS-SW: A Feature Selection Algorithm Exploring the Small-World Properties of GNs. <b>2014</b> , 60-71	3
395	Improved PSO for Feature Selection on High-Dimensional Datasets. <b>2014</b> , 503-515	25
394	Multi-label Feature Selection via Information Gain. <b>2014</b> , 345-355	16
393	Bio-Visual Fusion for Person-Independent Recognition of Pain Intensity. <b>2015</b> , 220-230	27
392	Automated Assessment of Surgical Skills Using Frequency Analysis. <b>2015</b> , 430-438	22
391	Graph Edit Distance. <b>2015</b> , 29-44	6
390	Filter-Based Feature Selection Using Two Criterion Functions and Evolutionary Fuzzification. <b>2016</b> , 173-183	1
389	Surrogate-Model Based Particle Swarm Optimisation with Local Search for Feature Selection in Classification. <b>2017</b> , 487-505	6
388	Organization Style and Its Effect on Employee Satisfaction and Personal Performance. <b>2017</b> , 151-158	1
387	Projection Selection for Binary Tomographic Reconstruction Using Global Uncertainty. <b>2018</b> , 3-10	4
386	A Novel ECOC Algorithm with Centroid Distance Based Soft Coding Scheme. <b>2018</b> , 165-173	3
385	Feature Selection for Chinese Character Sense Discrimination. <b>2004</b> , 201-208	1

384	Search Strategies. <b>2006</b> , 119-136	7
383	Introduction to Neonatal Facial Pain Detection Using Common and Advanced Face Classification Techniques. <b>2007</b> , 225-253	42
382	Head Pose Estimation in Seminar Room Using Multi View Face Detectors. <b>2007</b> , 299-304	32
381	The Science of Pattern Recognition. Achievements and Perspectives. <b>2007</b> , 221-259	14
380	Classifier Ensembles for Vector Space Embedding of Graphs. <b>2007</b> , 220-230	10
379	Towards a Physiological Model of User Interruptability. <b>2007</b> , 439-451	12
378	Speeding Up Feature Subset Selection Through Mutual Information Relevance Filtering. <b>2007</b> , 277-287	2
377	A Family of Novel Graph Kernels for Structural Pattern Recognition. <b>2007</b> , 20-31	7
376	Topology Representing Network Map $\square$ A New Tool for Visualization of High-Dimensional Data. <b>2008</b> , 61-84	5
375	AGN Simulation and Validation Model. <b>2008</b> , 169-173	7
374	Selection and Fusion of Similarity Measure Based Classifiers Using Support Vector Machines. <b>2008</b> , 479-488	2
373	Evaluating the Stability of Feature Selectors That Optimize Feature Subset Cardinality. <b>2008</b> , 956-966	10
372	The Graz Brain-Computer Interface. <b>2009</b> , 79-96	6
371	An Architecture to Combine Context Awareness and Body Sensor Networks for Health Care Applications. <b>2009</b> , 90-97	6
370	Relevance and Redundancy Analysis for Ensemble Classifiers. <b>2009</b> , 206-220	13
369	Feature Ranking Algorithms for Improving Classification of Vector Space Embedded Graphs. <b>2009</b> , 377-384	3
368	Image Categorization Using ESFS: A New Embedded Feature Selection Method Based on SFS. <b>2009</b> , 288-299	7
367	Analysis of the GRNs Inference by Using Tsallis Entropy and a Feature Selection Approach. <b>2009</b> , 473-480	2

366	Online Non-stationary Boosting. <b>2010</b> , 205-214	12
365	Combining Neural Networks to Improve Performance of Handwritten Keyword Spotting. <b>2010</b> , 215-224	8
364	Correlation-Based and Causal Feature Selection Analysis for Ensemble Classifiers. <b>2010</b> , 25-36	3
363	Bootstrap Feature Selection for Ensemble Classifiers. <b>2010</b> , 28-41	6
362	The Automatic Recognition of Emotions in Speech. <b>2011</b> , 71-99	27
361	Probabilistic Refinement of Model-Based Segmentation: Application to Radiation Therapy Planning of the Head and Neck. <b>2010</b> , 403-410	4
360	SFFS-MR: A Floating Search Strategy for GRNs Inference. <b>2010</b> , 407-418	6
359	Data Mining Based on Intelligent Systems for Decision Support Systems in Healthcare. <b>2010</b> , 45-65	1
358	A Data Mining Approach for Predicting the Pregnancy Rate in Human Assisted Reproduction. <b>2010</b> , 97-111	4
357	Texture Analysis Using Gabor Filter Based on Transcranial Sonography Image. <b>2011</b> , 249-253	3
356	Hybrid Correlation and Causal Feature Selection for Ensemble Classifiers. <b>2011</b> , 97-115	1
355	A Hybrid Approach to Feature Subset Selection for Brain-Computer Interface Design. <b>2011</b> , 279-286	4
354	A PACE Sensor System with Machine Learning-Based Energy Expenditure Regression Algorithm. <b>2012</b> , 529-536	1
353	Application of Fast Particle Swarm Optimization Algorithm in Image Denoising. <b>2012</b> , 559-566	2
352	Novel Hybrid Feature Selection Algorithms for Diagnosing Erythemato-Squamous Diseases. <b>2012</b> , 173-185	11
351	Improving Construct Validity Yields Better Models of Systematic Inquiry, Even with Less Information. <b>2012</b> , 249-260	18
350	A Selective Weighted Late Fusion for Visual Concept Recognition. <b>2012</b> , 426-435	8
349	Audio Steganalysis Based on Lossless Data-Compression Techniques. <b>2012</b> , 1-9	1

348	An Intelligent and Affective Tutoring System within a Social Network for Learning Mathematics. <b>2012</b> , 651-661	6
347	Manifold regularized multi-task feature selection for multi-modality classification in Alzheimer's disease. <b>2013</b> , 16, 275-83	22
346	Feature Space Reduction for Graph-Based Image Classification. <b>2013</b> , 246-253	1
345	Improving Approximate Graph Edit Distance Using Genetic Algorithms. <b>2014</b> , 63-72	7
344	A Holistic Approach to Part Quality Prediction in Injection Molding Based on Machine Learning. <b>2020</b> , 137-149	3
343	Feature Selection using Particle Swarm Optimization for Thermal Face Recognition. <b>2015</b> , 25-35	8
342	Memetic Algorithm Based Feature Selection for Handwritten City Name Recognition. <b>2017</b> , 599-613	4
341	An Improved Text Feature Selection for Clustering Using Binary Grey Wolf Optimizer. <b>2021</b> , 503-516	10
340	Binary Harris Hawks Optimizer for High-Dimensional, Low Sample Size Feature Selection. <b>2020</b> , 251-272	30
339	Genetic algorithms in constructive induction. <b>1999</b> , 665-673	2
338	A tribe competition-based genetic algorithm for feature selection in pattern classification. <b>2017</b> , 58, 328-338	51
337	Feature selection based on improved binary global harmony search for data classification. <b>2020</b> , 93, 106402	20
336	Review of automated segmentation approaches for knee images. <b>2021</b> , 15, 302-324	4
335	Myoelectric digit action decoding with multi-label, multi-class classification: an offline analysis.	2
334	The Importance of Anti-Correlations in Graph Theory Based Classification of Autism Spectrum Disorder.	2
333	Novel neural signal features permit robust machine-learning of natural tactile- and proprioception-dominated dorsal column nuclei signals.	2
332	Selecting Feature Sets and Comparing Classification Methods for Cognitive State Estimation. <b>2020</b> ,	1
331	Simplifying Reinforced Feature Selection via Restructured Choice Strategy of Single Agent. <b>2020</b> ,	2

330	Driver Drowsiness Classification Based on Eye Blink and Head Movement Features Using the k-NN Algorithm. <b>2020</b> ,	4
329	iFER: facial expression recognition using automatically selected geometric eye and eyebrow features. <b>2018</b> , 27, 1	4
328	Multiscale analysis for higher-order tensors. <b>2019</b> ,	1
327	Fighting authorship linkability with crowdsourcing. <b>2014</b> ,	9
326	10.1162/153244303322753715. <b>2000</b> , 1,	59
325	Advances in Hyperspectral Remote Sensing of Vegetation and Agricultural Croplands. <b>2016</b> , 39-74	4
324	Identifying Various Roadways Obstacles in Infrastructure less Environment Using Depth Learning Approach. <b>2017</b> , 10, 585-592	1
323	Aging in biometrics: an experimental analysis on on-line signature. <b>2013</b> , 8, e69897	39
322	Comparison of swarm intelligence algorithms for optimized band selection of hyperspectral remote sensing image. <b>2020</b> , 12, 425-442	7
321	Identifying the most Informative Variables for Decision-Making Problems - a Survey of Recent Approaches and Accompanying Problems. <b>2008</b> , 16, 37-55	9
320	A Combination of Shuffled Frog-Leaping Algorithm and Genetic Algorithm for Gene Selection. <b>2008</b> , 12, 218-226	7
319	Sensor Arrangement for Classification of Life Activities with Pyroelectric Sensors - Arrangement to Save Sensors and to Quasi-Maximize Classification Precision. <b>2011</b> , 23, 494-504	3
318	Knowledge management overview of feature selection problem in high-dimensional financial data: cooperative co-evolution and MapReduce perspectives. <b>2019</b> , 17, 340-359	6
317	A Review of Feature Selection and Its Methods. <b>2019</b> , 19, 3-26	86
316	An Improved Correlation-Based Algorithm with Discretization for Attribute Reduction in Data Clustering. <b>2009</b> , 8, 125-138	4
315	Improved Feature Selection Based on Mutual Information for Regression Tasks. <b>2016</b> , 6, 11-24	2
314	Parallel Data Reduction Techniques for Big Datasets. 72-93	10
313	Parallel Data Reduction Techniques for Big Datasets. <b>2016</b> , 734-756	0

312	Machine Learning for Clinical Data Processing. <b>2012</b> , 875-897	1
311	Feature Selection Based on Minimizing the Area Under the Detection Error Tradeoff Curve. <b>2011</b> , 2, 18-33	1
310	Training Neural Networks Using Input Data Characteristics. <b>2008</b> , 8, 65-70	3
309	Mixture model-based atmospheric air mass classification: a probabilistic view of thermodynamic profiles. <b>2016</b> , 2, 115-136	2
308	Identifying Corporate Performance Factors Based on Feature Selection in Statistical Pattern Recognition: METHODS, APPLICATION, INTERPRETATION. <b>2014</b> ,	2
307	Feature Selecting and Classifying Integrated Neural Network Algorithm for Multi-variate Classification. <b>2011</b> , 24, 97-104	1
306	Individual tree crown delineation and tree species classification with hyperspectral and LiDAR data. <b>2019</b> , 6, e6227	30
305	Extracting the Critical Frequency Bands to Classify Vigilance States of Rats by Using a Novel Feature Selection Algorithm. <b>2013</b> , 277-280	1
304	Diagnosing Parkinson disease by means of ensemble classification of patients voice samples. <b>2021</b> , 192, 3905-3914	1
303	An Effective Search Economics Based Feature Selection Algorithm for Passenger Flow Prediction. <b>2021</b> ,	
302	Human-like Decision-Making System for Overtaking Stationary Vehicles Based on Traffic Scene Interpretation. <b>2021</b> , 21,	2
301	A new automated tool for the spectral classification of OB stars.	0
300	Assessing feature selection method performance with class imbalance data. <b>2021</b> , 6, 100170	1
299	Improved Accuracy in Predicting the Best Sensor Fusion Architecture for Multiple Domains. <b>2021</b> , 21,	1
298	Recursive elimination selection algorithms for wrapper feature selection. <b>2021</b> , 113, 107956	0
297	Neural Net Computing for Image Processing. <b>2000</b> , 577-606	
296	Model Validation for Model Selection. <b>2001</b> , 242-251	3
295	Efficient and Effective Feature Selection in the Presence of Feature Interaction and Noise. <b>2001</b> , 196-204	1



- 294 Selektion von Farbtexturmerkmalen zur Tumorklassifikation dermatoskopischer Fotografien. **2002**, 338-341 2
- 293 A Region-Based Algorithm for Classifier-Independent Feature Selection. **2003**, 315-340
- 292 Determine the Composition of Honeybee Pollen by Texture Classification. **2003**, 158-167 2
- 291 References. **2004**, 367-382
- 290 Learning Bayesian Networks by Floating Search Methods. **2004**, 181-200
- 289 High-level design of composite systems. **2004**, 183-220
- 288 An Improved FloatBoost Algorithm for Naïve Bayes Text Classification. **2005**, 162-171 2
- 287 Automatic Window Design for Gray-Scale Image Processing Based on Entropy Minimization. **2005**, 813-824 0
- 286 An Excellent Feature Selection Model Using Gradient-Based and Point Injection Techniques. **2006**, 679-692
- 285 Audio and Video Feature Fusion for Activity Recognition in Unconstrained Videos. **2006**, 823-831 1
- 284 References. **2006**, 253-263
- 283 Indoor/Outdoor Scene Classification using Audio and Video Features. **2007**, 232-242
- 282 Selection of Basis Functions Guided by the L2 Soft Margin. **2007**, 421-430
- 281 Review on Genetic Algorithms for Pattern Recognition. **2007**, 7, 58-64
- 280 Feature Space Optimization in Breast Cancer Diagnosis Using Linear Vector Quantization. **2007**, 6, 1258-1263 2
- 279 Feature and Classifier Selection in Class Decision Trees. **2008**, 562-571 2
- 278 Feature Extraction and Classification for Graphical Representations of Data. **2008**, 506-513 0
- 277 Towards the Enhancement of Gene Selection Performance. **2008**, 219-236

276	Analysis of Spectral Data in Clinical Proteomics by Use of Learning Vector Quantizers. <b>2008</b> , 141-167	1
275	Integrating Liknon Feature Selection and Committee Training. <b>2009</b> , 233-250	
274	Finding Small Consistent Subset for the Nearest Neighbor Classifier Based on Support Graphs. <b>2009</b> , 465-472	4
273	Positing a Growth-Centric Approach in Empathic Ambient Human-System Interaction. <b>2009</b> , 233-244	3
272	Criteria Ensembles in Feature Selection. <b>2009</b> , 304-313	1
271	Applying dual-structure particle swarm optimization and KNN to identify affective states ground on physiological signals. <b>2009</b> , 29, 1423-1425	
270	Analysis of Hyperspectral Remote Sensing Images. <b>2010</b> , 235-269	0
269	Remainder Subset Awareness for Feature Subset Selection. <b>2010</b> , 317-322	
268	Biosignalverarbeitung. <b>2010</b> , 55, 1-180	3
267	Model based Facial Expression Recognition using New Feature Space. <b>2010</b> , 17B, 309-316	2
266	Face Detection. <b>2011</b> , 277-303	7
265	Classifier Ensembles Built on Subsets of Features. <b>2011</b> , 260-295	
264	Feature Selection and Ranking for Pattern Classification in Wireless Sensor Networks. <b>2011</b> , 109-137	
263	Feature Selection Based on Elements of Game Theory. <b>2011</b> , 123-139	
262	Selecting Significant Features for Authorship Invarianceness in Writer Identification. <b>2011</b> , 637-651	
261	Learning Markov Blankets for Continuous or Discrete Networks via Feature Selection. <b>2011</b> , 117-131	
260	Feature Selection and Classification of Polarimetric SAR Images Using SVM. <b>2011</b> , 30, 2347-2351	0
259	Ant Colony Optimization for Feature Selection Involving Effective Local Search. <b>2011</b> , 15, 671-680	

258	Classification and Staging of Chronic Liver Disease Based on Ultrasound, Laboratorial, and Clinical Data. <b>2012</b> , 255-282	1
257	References. 591-636	
256	Feature Selection by Block Addition and Block Deletion. <b>2012</b> , 48-59	2
255	Improving Reliability of Biometric Hash Generation through the Selection of Dynamic Handwriting Features. <b>2012</b> , 19-41	3
254	A Transparent Fuzzy Rule-Based Clinical Decision Support System for Heart Disease Diagnosis. <b>2012</b> , 62-71	
253	Classification of Mental States Based on Spatiospectral Patterns of Brain Electrical Activity. <b>2012</b> , 33, 15-24	1
252	Bibliography. 267-277	
251	Classifying Pathological Prostate Images by Fractal Analysis. <b>2013</b> , 253-263	1
250	Key Process Variable Identification for Quality Classification Based on PLSR Model and Wrapper Feature Selection. <b>2013</b> , 263-270	
249	Combinatorial Optimization Algorithms. <b>2013</b> , 559-593	
248	Optimal Dimensionality Reduction. <b>2013</b> , 147-172	
247	Medical Image Classification Using an Optimal Feature Extraction Algorithm and a Supervised Classifier Technique. <b>2013</b> , 43-56	
246	Konkurenční schopnost podniků v oblasti empirického výzkumu. <b>2013</b> ,	
245	Improving Cell Phone Based Gait Identification with Optimal Response Time Using Cloudlet Infrastructure. <b>2013</b> , 101-109	
244	Chain of Audio Processing. <b>2013</b> , 17-22	0
243	Correlation-Based Neural Gas for Visualizing Correlations between EEG Features. <b>2013</b> , 439-446	
242	A Study on Optimum Feature Selection for Recognition of Starking Apple. <b>2013</b> , 1, 264-267	
241	How to measure organizational performance in search for factors of competitiveness. <b>2013</b> , 61, 451-461	2

- 240 Computational Modelling of Paralinguistics: Overview. 177-184
- 239 Visualisation of High Dimensional Data by Use of Genetic Programming: Application to On-line Infrared Spectroscopy Based Process Monitoring. **2014**, 223-231
- 238 Image Analysis. **2014**, 43-55
- 237 A New Swarm-Based Framework for Handwritten Authorship Identification in Forensic Document Analysis. **2014**, 385-411 1
- 236 The factors affecting competitiveness of companies: contribution and limits of the statistical pattern recognition methods. **2014**, 59, 69-80
- 235 A Selective Weighted Late Fusion for Visual Concept Recognition. **2014**, 1-28
- 234 Digital Forensics of Printed Source Identification for Chinese Characters. **2014**, 337-361
- 233 Cooperating Objects in Healthcare Applications. **2014**, 73-98
- 232 Incremental Feature Selection by Block Addition and Block Deletion Using Least Squares SVRs. **2014**, 35-46
- 231 Advances in the statistical methodology for the selection of image descriptors for visual pattern representation and classification. **1995**, 832-837
- 230 Estimating feature discriminant power in decision tree classifiers. **1995**, 612-617
- 229 Surface based hypothesis verification in intensity images using geometric and appearance data. **1997**, 177-184
- 228 A Targeted Estimation of Distribution Algorithm Compared to Traditional Methods in Feature Selection. **2016**, 83-103
- 227 Attribute Selection and Classification of Prostate Cancer Gene Expression Data Using Artificial Neural Networks. **2016**, 26-34 3
- 226 HETEROSCEDASTIC DISCRIMINANT ANALYSIS COMBINED WITH FEATURE SELECTION FOR CREDIT SCORING. **2016**, 17, 265-280 1
- 225 Measuring the Utility of Functional-Based Software Using Centroid-Adjusted Class Labelling. **2016**, 117-134
- 224 A Novel Mutual-Information-Guided Sparse Feature Selection Approach for Epilepsy Diagnosis Using Interictal EEG Signals. **2016**, 274-284 1
- 223 Combining complex networks and data mining: why and how. 1

- 222 Automatic detection of hypernasal speech of children with cleft lip and palate from spanish vowels and words using classical measures and nonlinear analysis. **2016**, 1
- 221 Machine Learning for Higher-Level Linguistic Tasks. **2017**, 333-351
- 220 Bimodal Person Re-identification in Multi-camera System. **2017**, 554-565
- 219 A Feature Selection-Based Method for an Ontological Enrichment Process in Geographic Knowledge Modelling. **2017**, 407-426
- 218 Introduction to Binary Coordinate Ascent: New Insights into Efficient Feature Subset Selection for Machine Learning. **2018**, 59-83 0
- 217 A Brief Study of Approaches to Text Feature Selection. **2018**, 216-243
- 216 A Novel Criterion to Obtain the Best Feature Subset from Filter Ranking Methods. **2018**, 12-22
- 215 Floating search methodology for combining classification models for site recognition in DNA sequences.
- 214 Distinguishing Driver Missense Mutations from Benign Polymorphisms in Breast Cancer. **2019**, 294-302
- 213 Comparison of Embedded and Wrapper Approaches for Feature Selection in Support Vector Machines. **2019**, 149-161
- 212 On the Potential for Facial Attractiveness as a Soft Biometric. **2019**, 516-528
- 211 A New Approach for Coronary Artery Diseases Diagnosis Based on Genetic Algorithm. **2019**, 44-59
- 210 Inference of Gene Regulatory Networks by Topological Prior Information and Data Integration. **2019**, 265-304 0
- 209 A Feature Selection-Based Method for an Ontological Enrichment Process in Geographic Knowledge Modelling. **2019**, 349-368
- 208 An Oculometrics-based Biofeedback System to Impede Fatigue Development during Computer Work: a Proof-of-Concept Study.
- 207 Effect of user adaptation on prosthetic finger control with an intuitive myoelectric decoder.
- 206 Ensemble feature selection for biomarker discovery in mass spectrometry-based metabolomics. **2019**, 0
- 205 Comprehensive Evaluation of Power Quality via Sequential Floating Search Method. **2020**, 593-601

204	A Novel Grey Wolf Optimization Based Combined Feature Selection Method. <b>2020</b> , 569-580	0
203	Machine Learning to Identify Flexibility Signatures of Class A GPCR Inhibition.	
202	Sensory stimulation enhances phantom limb perception and movement decoding.	
201	Feature selection for classification in Steady state visually evoked potentials (SSVEP)-based brain-computer interfaces with genetic algorithm. <b>2020</b> , 16,	
200	[Paper] Automatic Quality Evaluation of Whole Slide Images for the Practical Use of Whole Slide Imaging Scanner. <b>2020</b> , 8, 252-268	3
199	Diatom Feature Extraction and Classification. <b>2020</b> , 151-164	
198	Algoritmos Evolutivos Multiobjetivo aplicados a la Selecci3n de Caracter3sticas en Microarrays de Datos de C3ncer. <b>2020</b> , 14, 40-45	
197	Convolutional neural network for classification of multiple sleep stages from dual-channel EEG signals. <b>2020</b> ,	3
196	Linking the Driver's Driving Performance and Their Driving Safety: A Bridge via Naturalistic Driving Study. <b>2020</b> ,	0
195	Optimal selection of scalar and vector-valued seismic intensity measures based on Gaussian Process Regression. <b>2022</b> , 152, 106961	2
194	Detection and estimation of faulty sensors in NPPs based on thermal-hydraulic simulation and feed-forward neural network. <b>2022</b> , 166, 108726	4
193	Study on Automatic Classification of Arrhythmias. <b>2020</b> , 113-141	1
192	A Fast Hybrid Feature Selection Method. <b>2019</b> ,	0
191	Comparison of Heterogeneous Feature Sets for Intonation Verification. <b>2020</b> , 13-22	
190	Approaches to Evaluate Parkinsonian Speech Using Artificial Models. <b>2020</b> , 77-99	1
189	A Deep Neural Network Approach to Predict the Wine Taste Preferences. <b>2020</b> , 1165-1173	1
188	A Novel Performance Metric for Multiclass Subject Invariant Brain Computer Interfaces with Imbalanced Classes.	
187	Feature selection: a multi-objective stochastic optimization approach. <b>2020</b> ,	0

- 186 Classification of seed members of five riboswitch families as short sequences based on the features extracted by Block Location-Based Feature Extraction (BLBFE) method. **2021**, 11, 101-109
- 185 Feature Selection Based on Minimizing the Area Under the Detection Error Tradeoff Curve. 16-31
- 184 Hierarchical Decomposition for Unusual Fish Trajectory Detection. 1-21
- 183 Inference of Gene Regulatory Networks by Topological Prior Information and Data Integration. 1-51
- 182 Machine Learning for Clinical Data Processing. 193-215 0
- 181 Classification of Cell Types in Feulgen Stained Cytologic Specimens Using Morphologic Features. **2005**, 410-414 1
- 180 A Thermodynamical Search Algorithm for Feature Subset Selection. **2007**, 683-692
- 179 Building a Model for Time Reduction of Steel Scrap Meltdown in the Electric Arc Furnace (EAF): General Strategy with a Comparison of Feature Selection Methods. **2008**, 1149-1159 6
- 178 Chromatinmuster-basierte Zellklassifizierung für die DNS-Bildzytometrie an Mundschleimhaut-Abstrichen. **2007**, 257-261
- 177 Feature Selection for Heterogeneous Ensembles of Nearest-neighbour Classifiers Using Hybrid Tabu Search. **2007**, 69-85
- 176 Evolving Committees of Support Vector Machines. **2007**, 263-275 1
- 175 Biometric Hashing Based on Genetic Selection and Its Application to On-Line Signatures. **2007**, 1134-1143 4
- 174 SVM-Based Selection of Colour Space Experts for Face Authentication. **2007**, 907-916 4
- 173 Sub-class Error-Correcting Output Codes. **2008**, 494-504 1
- 172 Comparison of some feature subset selection methods for use in remote sensing image analysis. 1
- 171 Spectral Optimization of Airborne Multispectral Camera for Land Cover Classification: Automatic Feature Selection and Spectral Band Clustering.
- 170 Review on Deep Learning in Feature Selection. **2021**, 439-447 1
- 169 Sensory stimulation enhances phantom limb perception and movement decoding. **2020**, 17, 056006 1

168	Analysis and Identification of EEG Features for Mental Stress. <b>2021</b> , 201-209	2
167	A Robust Method for Multi-algorithmic Palmprint Recognition Using Exponential Genetic Algorithm-Based Feature Selection. <b>2021</b> , 607-618	1
166	A simple model to detect atrial fibrillation via visual imaging. <b>2020</b> ,	3
165	Automated Detection of Informative Combined Effects in Genetic Association Studies of Complex Traits. <b>2003</b> , 13, 1952-1960	29
164	Rule extraction from electricity load profile data for smart metering analytics. <b>2021</b> ,	
163	Redundancy Is Not Necessarily Detrimental in Classification Problems. <b>2021</b> , 9, 2899	
162	Removal of self co-articulation and recognition of dynamic hand gestures using deep architectures. <b>2021</b> , 108122	0
161	Deep Ensembles Based on Stochastic Activations for Semantic Segmentation. <b>2021</b> , 2, 820-833	
160	Feature Selection with Class Hierarchy for Imbalance Problems. <b>2021</b> , 229-238	2
159	Incremental upgrading sensor placement methodology: Application to the leak localization in water networks. <b>2022</b> , 158, 107642	1
158	Quantitative Structure-Activity Relationship (QSAR) modeling to predict the transfer of environmental chemicals across the placenta. <b>2022</b> , 21, 100211	2
157	Upper-Limb Motion Recognition Based on Hybrid Feature Selection: Algorithm Development and Validation (Preprint).	
156	Arabic Named Entity Recognition on Social Media based on feature selection techniques using SVM-RFE. <b>2020</b> ,	
155	Early Detection of Mild Cognitive Impairment using Neuropsychological Data and Machine Learning Techniques. <b>2020</b> ,	1
154	AMWCM Based on MI_SFFS for Cross-Subject Emotion Recognition.	
153	Automated feature engineering for algorithmic fairness. <b>2021</b> , 14, 1694-1702	5
152	Emotion Recognition from ECG Signals Contaminated by Motion Artifacts. <b>2021</b> ,	
151	Informative predictors of pregnancy after first IVF cycle using eIVF practice highway electronic health records.. <b>2022</b> , 12, 839	0



150	Distinct spatio-temporal and spectral brain patterns for different thermal stimuli perception.. <b>2022</b> , 12, 919		
149	Refractory Lifetime Prediction in Industrial Processes with Artificial Intelligence. <b>2022</b> , 489-495		
148	A Binary Multi-Objective Chimp Optimizer With Dual Archive for Feature Selection in the Healthcare Domain. <i>IEEE Access</i> , <b>2022</b> , 10, 1756-1774	3.5	3
147	Feature selection techniques in the context of big data: taxonomy and analysis. 1		4
146	Feature Selection. <b>2022</b> , 249-304		0
145	Objective Selection for Cancer Treatment: An Inverse Optimization Approach.		2
144	Multi-view learning for lymph node metastasis prediction using tumor and nodal radiomics in gastric cancer.. <b>2022</b> ,		0
143	LwTool: A data processing toolkit for building a real-time pressure mapping smart textile software system. <b>2022</b> , 80, 101540		2
142	Recursive elimination current algorithms and a distributed computing scheme to accelerate wrapper feature selection. <b>2022</b> , 589, 636-654		0
141	An optimal approach for text feature selection. <b>2022</b> , 74, 101364		0
140	Non-invasive monitoring of multiple wildlife health factors by fecal microbiome analysis.. <b>2022</b> , 12, e8564		2
139	Mapping invasive strawberry guava ( <i>Psidium cattleianum</i> ) in tropical forests of Mauritius with Sentinel-2 and machine learning. <b>2022</b> , 43, 841-872		1
138	Data-Driven Intelligent Decision Support Systems. <b>2022</b> , 225-409		
137	Analysis of Feature Selection Method for 3D Molecular Structure of Amphetamine-Type Stimulants (ATS) Drugs. <b>2022</b> , 118-135		
136	Refining Tumor Treatment in Sinonasal Cancer Using Delta Radiomics of Multi-Parametric MRI after the First Cycle of Induction Chemotherapy.. <b>2022</b> , 8,		1
135	Spatial Quality Assessment of Pansharpended Images Based on Gray Level Co-Occurrence Matrix. <b>2022</b> ,		
134	Adaptive feature selection framework for DNA methylation-based age prediction. <b>2022</b> , 26, 3777-3788		1
133	Estimation of Cold Stress, Plant Age, and Number of Leaves in Watermelon Plants Using Image Analysis.. <b>2022</b> , 13, 847225		0

132	Real-time prediction of smoking activity using machine learning based multi-class classification model.. <b>2022</b> , 1-23		1
131	A comparison of face detection methods using spontaneous videos. 1		
130	Drivers and forecasts of multiple waves of the coronavirus disease 2019 pandemic: a systematic analysis based on an interpretable machine learning framework.. <b>2022</b> ,		0
129	Automatic EEG channel selection for multiclass brain-computer interface classification using multiobjective improved firefly algorithm. 1		1
128	Tool Condition Monitoring for High-Performance Machining Systems-A Review.. <b>2022</b> , 22,		5
127	A repetitive feature selection method based on improved ReliefF for missing data. 1		0
126	Binary Simulated Normal Distribution Optimizer for feature selection: Theory and application in COVID-19 datasets. <i>Expert Systems With Applications</i> , <b>2022</b> , 200, 116834	7.8	4
125	A new machine learning based user-friendly software platform for automatic radiomics modeling and analysis. <b>2021</b> , 2021, 2810-2814		0
124	An Experimental Analysis of GNSS Signals to Characterize the Propagation Environment by Means of Machine Learning Processing. <b>2021</b> ,		
123	SSA-CFS:An Effective Feature Selection Method for Intrusion Detection System. <b>2021</b> ,		
122	Resting-State EEG Signal for Major Depressive Disorder Detection: A Systematic Validation on a Large and Diverse Dataset.. <b>2021</b> , 11,		2
121	Five weeks of intermittent transcutaneous vagus nerve stimulation shape neural networks: a machine learning approach.. <b>2021</b> , 1		
120	A Hybrid Method Based on Feature Fusion for Breast Cancer Classification using Histopathological Images.		1
119	Automated and Efficient Sparsity-based Feature Selection via a Dual-component Vector. <b>2021</b> ,		
118	A Two-Stage Method Based on Multiobjective Differential Evolution for Gene Selection.. <b>2021</b> , 2021, 5227377		
117	An Automated EEG-based mild cognitive impairment diagnosis framework using spectral and functional connectivity features. <b>2021</b> ,		
116	Riemannian channel selection for BCI with between-session non-stationarity reduction capabilities.. <b>2022</b> , PP,		1
115	An Adaptive Cooperative Coevolutionary Algorithm for Parallel Feature Selection in High-Dimensional Datasets. <b>2022</b> ,		0

114	Predicting brain age from functional connectivity in symptomatic and preclinical Alzheimer disease.. <b>2022</b> , 119228	1
113	A rough set theory and deep learning-based predictive system for gender recognition using audio speech.	0
112	Online streaming feature selection for multigranularity hierarchical classification learning.	
111	Data_Sheet_1.pdf. <b>2019</b> ,	
110	Data_Sheet_1.docx. <b>2019</b> ,	
109	Data_Sheet_2.docx. <b>2019</b> ,	
108	Feature Selection Strategy for Machine Learning Methods in Building Energy Consumption Prediction.	
107	An Image Compression and Encryption Scheme for Retrieval on Compressed Domain Ciphertext.	
106	Differential Evolution Based Feature Selection: A Niching-based Multi-objective Approach. <b>2022</b> , 1-1	1
105	An improved binary sparrow search algorithm for feature selection in data classification. 1	5
104	Comparison of wavelet-based decomposition and empirical mode decomposition of electrohysterogram signals for preterm birth classification.	
103	A machine learning based predictive model for the diagnosis of sepsis.	
102	Human emotion recognition from EEG-based brain-computer interface using machine learning: a comprehensive review.	4
101	Deep learning feature extraction for image-based beef carcass yield estimation. <b>2022</b> , 218, 78-93	2
100	A hybrid feature selection scheme for high-dimensional data. <b>2022</b> , 113, 104894	1
99	DeepFakes Have No Heart: A Simple rPPG-Based Method to Reveal Fake Videos. <b>2022</b> , 186-195	1
98	Multi-Classifer Fusion Based on MIBFFS for Cross-Subject Emotion Recognition. <b>2022</b> , 24, 705	2
97	Important Features Selection and Classification of Adult and Child from Handwriting Using Machine Learning Methods. <b>2022</b> , 12, 5256	1

96	Signature Verification Using a Convolutional Neural Network. 562-567		
95	A Data-Driven Model for the Optimization of Energy Consumption of an Industrial Production Boiler in a Fiber Plant.		
94	Automated classification of multi-class sleep stages classification using polysomnography signals: a nine- layer 1D-convolution neural network approach.		1
93	An Empirical Study on Ensemble of Segmentation Approaches. <b>2022</b> , 3, 341-358		1
92	Hyperspectral imaging and target detection algorithms: a review.		1
91	Meal and Physical Activity Detection from Free-Living Data for Discovering Disturbance Patterns of Glucose Levels in People with Diabetes. <i>BioMedInformatics</i> , <b>2022</b> , 2, 297-317		0
90	Enhancement of Depth Map through Weighted Combination of Guided Image Filters in Shape-From-Focus. <b>2022</b> ,		
89	Discrimination of cancerous from benign pigmented skin lesions based on multispectral autofluorescence lifetime imaging dermoscopy and machine learning. <i>Journal of Biomedical Optics</i> , <b>2022</b> , 27,	3.5	1
88	Acoustic emission based grinding wheel wear monitoring: Signal processing and feature extraction. <i>Applied Acoustics</i> , <b>2022</b> , 196, 108863	3.1	1
87	Automatic channel selection using multiobjective X-shaped binary butterfly algorithm for motor imagery classification. <i>Expert Systems With Applications</i> , <b>2022</b> , 206, 117757	7.8	1
86	Progressive Band Subset Fusion for Hyperspectral Anomaly Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2022</b> , 60, 1-24	8.1	0
85	Multi-objective Harris Hawks Optimization with Associative Learning and Chaotic Local Search for Feature Selection. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	0
84	Mapping a European Spruce Bark Beetle Outbreak Using Sentinel-2 Remote Sensing Data. <i>Remote Sensing</i> , <b>2022</b> , 14, 3135	5	0
83	A Data-Driven Framework to Select a Cost-Efficient Subset of Parameters to Qualify Sourced Materials. <i>Integrating Materials and Manufacturing Innovation</i> ,	2.9	
82	Automatic Atrial Fibrillation Arrhythmia Detection Using Univariate and Multivariate Data. <i>Algorithms</i> , <b>2022</b> , 15, 231	1.8	
81	TCMI: a non-parametric mutual-dependence estimator for multivariate continuous distributions.		0
80	Helicobacter pylori (H. pylori) risk factor analysis and prevalence prediction: a machine learning-based approach. <b>2022</b> , 22,		1
79	Comparison of Different Convolutional Neural Network Activation Functions and Methods for Building Ensembles for Small to Midsize Medical Data Sets. <b>2022</b> , 22, 6129		1

- 78 UAV-Based Hyperspectral Imagery for Detection of Root, Butt, and Stem Rot in Norway Spruce. **2022**, 14, 3830 ○
- 77 Automatic Diagnosis of Mild Cognitive Impairment Based on Spectral, Functional Connectivity, and Nonlinear EEG-Based Features. **2022**, 2022, 1-17
- 76 Feature Selection Using Artificial Gorilla Troop Optimization for Biomedical Data: A Case Analysis with COVID-19 Data. **2022**, 10, 2742 5
- 75 Predicting the Risk of Overweight and Obesity in Madrid: A Binary Classification Approach with Evolutionary Feature Selection. **2022**, 12, 8251
- 74 Sentinel-2 Poplar Index for Operational Mapping of Poplar Plantations over Large Areas. **2022**, 14, 3975 1
- 73 Computation-accelerated discovery of the K<sub>2</sub>NiF<sub>4</sub>-type oxyhydrides combining density functional theory and machine learning approach. 10,
- 72 A survey of uncover misleading and cyberbullying on social media for public health. ○
- 71 MABUSE: A margin optimization based feature subset selection algorithm using boosting principles. **2022**, 253, 109529 ○
- 70 Online and offline streaming feature selection methods with bat algorithm for redundancy analysis. **2023**, 133, 109007 ○
- 69 Optimization of Road Surface Wetness Classification Using Feature Selection Algorithms and Sensor Fusion. **2022**, 1-1 ○
- 68 k-best feature selection and ranking via stochastic approximation. **2023**, 213, 118864 ○
- 67 Early Detection of Autistic Children Using Wrapper-Based Feature Selection Technique. **2023**, 261-269 ○
- 66 Kiwi Plant Canker Diagnosis Using Hyperspectral Signal Processing and Machine Learning: Detecting Symptoms Caused by *Pseudomonas syringae* pv. *actinidiae*. **2022**, 11, 2154 ○
- 65 Augmented Feature Generation Using Maximum Mutual Information Minimum Correlation. **2023**, 209-224 ○
- 64 Classification and prediction of cognitive performance differences in older age based on brain network patterns using a machine learning approach. 1-27 ○
- 63 Modeling Spatial Distribution of Snow Water Equivalent by Combining Meteorological and Satellite Data with Lidar Maps. **2022**, 1-46 ○
- 62 A Fast Algorithm for Hunting State-Backed Twitter Trolls. **2023**, 643-657 ○
- 61 A pediatric near-infrared spectroscopy brain-computer interface based on the detection of emotional valence. 16, ○

- 60 A hybrid binary dwarf mongoose optimization algorithm with simulated annealing for feature selection on high dimensional multi-class datasets. **2022**, 12, ○
- 59 Identification of Immuno-Targeted Combination Therapies Using Explanatory Subgroup Discovery for Cancer Patients with EGFR Wild-Type Gene. **2022**, 14, 4759 ○
- 58 Classification of cardiac differentiation outcome, percentage of cardiomyocytes on day 10 of differentiation, for hydrogel-encapsulated hiPSCs. ○
- 57 Diagnosing Parkinson's disease using features of hand-drawn spirals. **2022**, 207, 3413-3420 ○
- 56 Hyperspectral and LiDAR Data for the Prediction via Machine Learning of Tree Species, Volume and Biomass: A Contribution for Updating Forest Management Plans. **2022**, 235-250 ○
- 55 Material Removal Rate Prediction with Phase Sensitive Variables Selection and Phase Partition. **2022**, ○
- 54 Online Kanji Characters Based Writer Identification Using Sequential Forward Floating Selection and Support Vector Machine. **2022**, 12, 10249 ○
- 53 EEG channel selection based on sequential backward floating search for motor imagery classification. 16, ○
- 52 An integrated biometric voice and facial features for early detection of Parkinson's disease. **2022**, 8, ○
- 51 Feature selection strategy for machine learning methods in building energy consumption prediction. **2022**, 8, 13621-13654 ○
- 50 A novel soft-coded error-correcting output codes algorithm. **2023**, 134, 109122 ○
- 49 A Decomposition-Based Multiobjective Clonal Selection Algorithm for Hyperspectral Image Feature Selection. **2022**, 60, 1-16 ○
- 48 A hybrid leaf area index estimation method of *Dioscorea polystachya* Turczaninow using Sentinel-2 vegetation indices. **2022**, 1-1 ○
- 47 Machine Learning-Based Unobtrusive Intake Gesture Detection via Wearable Inertial Sensors. **2022**, 1-12 ○
- 46 Hand-Foot-Mouth Disease Classification using Features from Fibre Grating Biosensor Spectral Data. **2022**, ○
- 45 Machine-learning-based intelligent framework for discovering refractory high-entropy alloys with improved high-temperature yield strength. **2022**, 8, ○
- 44 Band Subset Selection for Hyperspectral Imaging. **2022**, 147-178 ○
- 43 Constrained Band Selection for Hyperspectral Imaging. **2022**, 107-146 ○

- 42 A two-stage deep learning framework for early-stage lifetime prediction for lithium-ion batteries with consideration of features from multiple cycles. 10, ○
- 41 Hybrid feature selection method based on feature subset and factor analysis. **2022**, 1-1 ○
- 40 SEQENS: An ensemble method for relevant gene identification in microarray data. **2023**, 152, 106413 ○
- 39 Design of a supervisory control system for autonomous operation of advanced reactors. **2023**, 182, 109593 ○
- 38 Refining fine-tuned transformers with hand-crafted features for gender screening on question-answering communities. **2023**, 92, 256-267 ○
- 37 Gender screening on question-answering communities. **2023**, 215, 119405 ○
- 36 Features of Hand-Drawn Spirals for Recognition of Parkinson Disease. **2022**, 458-469 ○
- 35 Portfolio Management Framework for Autonomous Stock Selection and Allocation. **2022**, 1-1 ○
- 34 Application of an Improved Multimodal Multiobjective Algorithm in Feature Selection. **2022**, ○
- 33 Multiparametric ultrasound and machine learning for prostate cancer localization. **2022**, ○
- 32 EEG Channel Selection Techniques in Motor Imagery Applications: A Review and New Perspectives. **2022**, 9, 726 1
- 31 Link Prediction Based On Local Structure And Node Information Along Local Paths. ○
- 30 Research on Compressed Sensing Spectrometry Based on Electro-Optical Transmittance Coding. **2022**, 12, 12097 ○
- 29 A Comprehensive Survey on the Progress, Process, and Challenges of Lung Cancer Detection and Classification. **2022**, 2022, 1-43 ○
- 28 Utility of adding Radiomics to clinical features in predicting the outcomes of radiotherapy for head and neck cancer using machine learning. **2022**, 17, e0277168 ○
- 27 Feature Selection Method Using Multi-Agent Reinforcement Learning Based on Guide Agents. **2023**, 23, 98 ○
- 26 Fusarium head blight monitoring in wheat ears using machine learning and multimodal data from asymptomatic to symptomatic periods. 13, ○
- 25 EEG channel selection algorithm based on Reinforcement Learning. **2022**, ○

- 24 Inferring Takeover in SAE Level 2 Automated Vehicles Using Driver-Based Behavioral and Psychophysiological Signals. **2022**, 55, 7-12 ○
- 23 An in-depth and contrasting survey of meta-heuristic approaches with classical feature selection techniques specific to cervical cancer. ○
- 22 Simulated annealing aided genetic algorithm for gene selection from microarray data. **2023**, 158, 106854 ○
- 21 Prediction of narrow HT-SMA thermal hysteresis behaviour using explainable machine learning. **2023**, 35, 105806 ○
- 20 Classification of operational states in porous journal bearings using a semi-supervised multi-sensor Machine Learning approach. **2023**, 184, 108464 ○
- 19 Elasto-geometrical error and gravity model calibration of an industrial robot using the same optimized configuration set. **2023**, 83, 102558 ○
- 18 Interpretable machine learning models for the estimation of seismic drifts in CLT buildings. **2023**, 70, 106365 ○
- 17 Tree enhanced deep adaptive network for cancer prediction with high dimension low sample size microarray data. **2023**, 136, 110078 ○
- 16 Feature subset selection using multimodal multiobjective differential evolution. **2023**, 265, 110361 ○
- 15 A survival prediction model via interpretable machine learning for patients with oropharyngeal cancer following radiotherapy. ○
- 14 An empirical evaluation of defect prediction approaches in within-project and cross-project context. ○
- 13 Selecting High-Dimensional Representations of Physical Systems by Reweighted Diffusion Maps. **2023**, 14, 2778-2783 ○
- 12 Machine Learning Support for Diagnosis of Analog Circuits. **2023**, 205-245 ○
- 11 Literature Review on Hybrid Evolutionary Approaches for Feature Selection. **2023**, 16, 167 1
- 10 Combining multiple spectral enhancement features for improving spectroscopic asymptomatic detection and symptomatic severity classification of southern corn leaf blight. ○
- 9 Statistically aided Binary Multi-Objective Grey Wolf Optimizer: a new feature selection approach for classification. ○
- 8 Designing wavelength sampling for Fabry-Pérot observations. Information-based spectral sampling. ○
- 7 Exploring the power of machine learning in analyzing the gas minimum miscibility pressure in hydrocarbons. **2023**, 226, 211778 ○



- 6 Adaptive cooperative coevolutionary differential evolution for parallel feature selection in high-dimensional datasets.
- 5 Automatic inference of hypoglycemia causes in type 1 diabetes: a feasibility study. 4,
- 4 Haploid ve Diploid MSHARİ Aktif Benme Yaklaşım ile Sıfırlama
- 3 Diagnosis of gastric cancer based on hybrid genes selection approach. 1-20
- 2 Preoperative radiomic signature based on CT images for noninvasive evaluation of localized nephroblastoma in pediatric patients. 13,
- 1 Breast Cancer Mass Classification Using Machine Learning, Binary-Coded Genetic Algorithms and an Ensemble of Deep Transfer Learning.