

CITATION REPORT

List of articles citing

Sparse Representation for Computer Vision and Pattern Recognition

DOI: 10.1109/jproc.2010.2044470

Proceedings of the IEEE, 2010, 98, 1031-1044.

Source: <https://exaly.com/paper-pdf/47993065/citation-report.pdf>

Version: 2024-04-10

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
1334	Classification and clustering via dictionary learning with structured incoherence and shared features. 2010 ,		394
1333	Dictionary learning and sparse coding for unsupervised clustering. 2010 ,		65
1332	A framework for object class recognition with no visual examples. 2010 ,		
1331	Secure SIFT-based sparse representation for image copy detection and recognition. 2010 ,		15
1330	Traffic Sign Recognition Using Dictionary Learning Method. 2010 ,		2
1329	Towards cross-category knowledge propagation for learning visual concepts. 2011 ,		56
1328	A Two-Phase Test Sample Sparse Representation Method for Use With Face Recognition. 2011 , 21, 1255-1262		352
1327	Sparse Group Lasso for Regression on Land Climate Variables. 2011 ,		7
1326	An Analysis on the Two-phase Test Sample Sparse Representation Method and an Improved Method. 2011 ,		
1325	Context-Aware Multi-instance Learning Based on Hierarchical Sparse Representation. 2011 ,		7
1324	Close the loop: Joint blind image restoration and recognition with sparse representation prior. 2011 ,		15
1323	Multi-observation visual recognition via joint dynamic sparse representation. 2011 ,		3
1322	Sparse Representation for Multi-Label Image Annotation. 2011 ,		
1321	Hyperspectral Image Classification Using Dictionary-Based Sparse Representation. 2011 , 49, 3973-3985		829
1320	Linear Subspace Learning-Based Dimensionality Reduction. 2011 , 28, 16-26		110
1319	. 2011 , 13, 1019-1030		47
1318	Image and Video-Based Biometrics. 2011 , 437-454		0

1317	Sparse representation or collaborative representation: Which helps face recognition?. 2011 ,	823
1316	A Generalized Subspace Projection Approach for Sparse Representation Classification. 2011 , 203-210	1
1315	Sparse-representation-based clutter metric. 2011 , 50, 1601-5	8
1314	Maximum Correntropy Criterion for Robust Face Recognition. 2011 , 33, 1561-76	401
1313	Recursive nearest neighbor search in a sparse and multiscale domain for comparing audio signals. 2011 , 91, 2836-2851	1
1312	A Review of Adaptive Image Representations. 2011 , 5, 896-911	33
1311	Simultaneous Joint Sparsity Model for Target Detection in Hyperspectral Imagery. 2011 , 8, 676-680	107
1310	Illumination recovery from image with cast shadows via sparse representation. 2011 , 20, 2366-77	17
1309	Object tracking via appearance modeling and sparse representation. 2011 , 29, 787-796	40
1308	Sparse regularization for semi-supervised classification. 2011 , 44, 1777-1784	51
1307	A Regularized Correntropy Framework for Robust Pattern Recognition. <i>Neural Computation</i> , 2011 , 23, 2074-2100	2.9 87
1306	Hierarchical orthogonal matching pursuit for face recognition. 2011 ,	1
1305	Sparse Representations, Compressive Sensing and dictionaries for pattern recognition. 2011 ,	36
1304	Transient acoustic signal classification using joint sparse representation. 2011 ,	5
1303	Key frame extraction from consumer videos using sparse representation. 2011 ,	14
1302	Sparsity based feedback design: A new paradigm in opportunistic sensing. 2011 ,	16
1301	Are sparse representations really relevant for image classification?. 2011 ,	106
1300	The In-Crowd Algorithm for Fast Basis Pursuit Denoising. 2011 , 59, 4595-4605	92

1299	Optical flow estimation using sparse gradient representation. 2011 ,	1
1298	Nonnegative sparse coding for discriminative semi-supervised learning. 2011 ,	70
1297	Bimodal biometrics based on a representation and recognition approach. 2011 , 50, 037202	43
1296	Tongue tumor detection in medical hyperspectral images. 2012 , 12, 162-74	75
1295	Attribute feedback. 2012 ,	23
1294	K-clustered tensor approximation. 2012 , 31, 1-17	16
1293	Robust facial expression recognition via compressive sensing. 2012 , 12, 3747-61	56
1292	Joint-structured-sparsity-based classification for multiple-measurement transient acoustic signals. 2012 , 42, 1586-98	17
1291	Supervised dictionary learning for music genre classification. 2012 ,	15
1290	On sparse and low-rank matrix decomposition for singing voice separation. 2012 ,	21
1289	Bilingual analysis of song lyrics and audio words. 2012 ,	3
1288	Sparse discriminative Fisher vectors in visual classification. 2012 ,	1
1287	Non-negative low rank and sparse graph for semi-supervised learning. 2012 ,	18
1286	A common network architecture efficiently implements a variety of sparsity-based inference problems. <i>Neural Computation</i> , 2012 , 24, 3317-39	2.9 14
1285	Image Denoising with Patch Estimation and Low Patch-rank Regularization. 2012 ,	1
1284	Image Decomposition via Generalized Morphological Component Analysis and Split Bregman Algorithm. 2012 ,	
1283	Robust Non-negative Graph Embedding: Towards noisy data, unreliable graphs, and noisy labels. 2012 ,	10
1282	Sparse likelihood saliency detection. 2012 ,	

1281	Learning discriminative dictionaries with partially labeled data. 2012,	32
1280	Neuromorphic hardware for rapid sparse coding. 2012,	2
1279	Learning based screen image compression. 2012,	9
1278	Sparse Signal Recovery via ECME Thresholding Pursuits. 2012, 2012, 1-22	2
1277	. 2012,	
1276	Feature space-based human face image representation and recognition. 2012, 51, 017205	29
1275	Sparse representation for video super-resolution. 2012,	
1274	Robust Sparse 2DPCA and Its Application to Face Recognition. 2012,	1
1273	. 2012, 48, 2481-2497	159
1272	Efficient recovery of block sparse signals via zero-point attracting projection. 2012,	3
1271	. 2012, 14, 608-618	21
1270	Privacy-preserving multimedia cloud computing via compressive sensing and sparse representation. 2012,	7
1269	. 2012, 2, 530-541	19
1268	Causal compressive sensing for gene network inference. 2012,	2
1267	Simulating vision through time: Hierarchical, sparse models of visual cortex for motion imagery. 2012,	
1266	A Joint Object Tracking Framework with Incremental and Multiple Instance Learning. 2012,	
1265	Robust wheelchair pedestrian detection using sparse representation. 2012,	1
1264	Visual attention guided images abstraction using sparse coding. 2012,	

1263	Combine the clustering algorithm and representation-based algorithm for concurrent classification of test samples. 2012 ,	1
1262	Sparse representation of texture patches for low bit-rate image compression. 2012 ,	3
1261	l_2, l_1 Regularized correntropy for robust feature selection. 2012 ,	4
1260	Super-Resolution Method for Multiview Face Recognition From a Single Image Per Person Using Nonlinear Mappings on Coherent Features. 2012 , 19, 195-198	14
1259	Block-Sparse Recovery via Convex Optimization. 2012 , 60, 4094-4107	81
1258	Comprehensive common spatial patterns with temporal structure information of EEG data: minimizing nontask related EEG component. 2012 , 59, 2496-505	22
1257	Visual classification with multitask joint sparse representation. 2012 , 21, 4349-60	277
1256	Inverse polynomial reconstruction method in DCT domain. <i>Eurasip Journal on Advances in Signal Processing</i> , 2012 , 2012,	1.9 3
1255	. 2012 , 14, 55-65	17
1254	Weighted Group Sparse Representation Based on Robust Regression for Face Recognition. 2012 , 42-49	3
1253	Automatic mitral leaflet tracking in echocardiography by outlier detection in the low-rank representation. 2012 ,	2
1252	Dual-channel noise reduction via sprase representations. 2012 ,	
1251	Salient view selection based on sparse representation. 2012 ,	1
1250	A dimension reduction model for sparse hyperspectral target detection with weighted ℓ_1 minimization. 2012 ,	0
1249	Proof of Convergence and Performance Analysis for Sparse Recovery via Zero-Point Attracting Projection. 2012 , 60, 4081-4093	13
1248	An MDL Framework for Sparse Coding and Dictionary Learning. 2012 , 60, 2913-2927	49
1247	Semi-supervised radio transmitter classification based on elastic sparsity regularized SVM. 2012 , 29, 501-508	1
1246	Palmprint recognition using dual-tree complex wavelet transform and compressed sensing. 2012 ,	

1245	Visual saliency based mobile images categorization using sparse representation on cloud computing. 2012 ,	
1244	3D Action Classification Using Sparse Spatio-temporal Feature Representations. 2012 , 166-175	5
1243	Robust object tracking via sparsity-based collaborative model. 2012 ,	444
1242	Aerial scene recognition using efficient sparse representation. 2012 ,	2
1241	Facial expression recognition based on Gabor wavelets and sparse representation. 2012 ,	12
1240	Visual tracking using sparse representation. 2012 ,	
1239	Visual tracking by dictionary learning and motion estimation. 2012 ,	0
1238	Analysis of performance of palmprint matching with enforced sparsity. 2012 , 22, 348-355	13
1237	Sparse representation and position prior based face hallucination upon classified over-complete dictionaries. 2012 , 92, 2066-2074	24
1236	Joint dynamic sparse representation for multi-view face recognition. 2012 , 45, 1290-1298	67
1235	Human gait recognition using patch distribution feature and locality-constrained group sparse representation. 2012 , 21, 316-26	102
1234	. 2012 , 14, 43-54	50
1233	Hierarchical and multiple hand action representation using temporal postural synergies. 2013 , 225, 11-36	15
1232	Moving Object Detection by Detecting Contiguous Outliers in the Low-Rank Representation. 2013 , 35, 597-610	478
1231	Sparse representation method based on Gabor and CLBP. 2013 , 124, 5843-5850	2
1230	Feature-based image patch approximation for lung tissue classification. 2013 , 32, 797-808	109
1229	Robust image analysis with sparse representation on quantized visual features. 2013 , 22, 860-71	40
1228	Missing-Area Reconstruction in Multispectral Images Under a Compressive Sensing Perspective. 2013 , 51, 3998-4008	59

1227	Transductive face sketch-photo synthesis. 2013 , 24, 1364-76	115
1226	Fast Fisher Sparsity Preserving Projections. 2013 , 23, 691-705	12
1225	A REVIEW OF FACE RECOGNITION METHODS. 2013 , 27, 1356005	54
1224	Class-Discriminative Kernel Sparse Representation-Based Classification Using Multi-Objective Optimization. 2013 , 61, 4416-4427	19
1223	Convex relaxation based sparse algorithm for hyperspectral target detection. 2013 , 124, 6594-6598	3
1222	Sparse representation using contextual information for hyperspectral image classification. 2013 ,	6
1221	Compressive source separation: theory and methods for hyperspectral imaging. 2013 , 22, 5096-110	39
1220	2DPCA with L1-norm for simultaneously robust and sparse modelling. 2013 , 46, 190-8	42
1219	Improved sparse representation using adaptive spatial support for effective target detection in hyperspectral imagery. 2013 , 34, 8669-8684	42
1218	In-plane rotation and scale invariant clustering using dictionaries. 2013 , 22, 2166-80	25
1217	Quaternion-based sparse representation of color image. 2013 ,	9
1216	Multi-morphology image super-resolution via sparse representation. 2013 , 120, 645-654	20
1215	Object class detection. 2013 , 46, 1-53	55
1214	Hierarchized Block Wise Image Approximation by Greedy Pursuit Strategies. 2013 , 20, 1175-1178	5
1213	Label consistent K-SVD: learning a discriminative dictionary for recognition. 2013 , 35, 2651-64	834
1212	Identifying functional networks via sparse coding of whole brain fMRI signals. 2013 ,	4
1211	Adaptive Weighted Multi-Element Collaborative Representation for Visual Classification. 2013 ,	
1210	Supervised dictionary learning using distance dependent indian buffet process. 2013 ,	3

1209	Kernelized Supervised Dictionary Learning. 2013 , 61, 4753-4767	48
1208	Real-time and low power embedded ℓ_1 -optimization solver design. 2013 ,	0
1207	Affine-Constrained Group Sparse Coding and Its Application to Image-Based Classifications. 2013 ,	11
1206	Design of non-linear kernel dictionaries for object recognition. 2013 , 22, 5123-35	105
1205	A Collaborative Representation Based Two-Phase Face Recognition Algorithm. 2013 ,	
1204	Nonlocal Similarity Regularized Sparsity Model for Hyperspectral Target Detection. 2013 , 10, 1532-1536	9
1203	Robust Temporal-Spatial Decomposition and Its Applications in Video Processing. 2013 , 23, 387-400	17
1202	Exact Recoverability From Dense Corrupted Observations via $\ell_{1/2}$ -Minimization. 2013 , 59, 2017-2035	62
1201	Image segmentation using a sparse coding model of cortical area V1. 2013 , 22, 1631-43	68
1200	TargetATPsite: a template-free method for ATP-binding sites prediction with residue evolution image sparse representation and classifier ensemble. 2013 , 34, 974-85	53
1199	Using the original and Symmetrical face training samples to perform representation based two-step face recognition. 2013 , 46, 1151-1158	135
1198	Locality-sensitive dictionary learning for sparse representation based classification. 2013 , 46, 1277-1287	81
1197	A novel method for recognizing face with partial occlusion via sparse representation. 2013 , 124, 6786-6789	24
1196	A sparse representation method based on kernel and virtual samples for face recognition. 2013 , 124, 6236-6241	12
1195	Discriminant and adaptive extensions to local temporal common spatial patterns. 2013 , 34, 1125-1129	5
1194	Improve the two-phase test samples representation method for palmprint recognition. 2013 , 124, 6651-6656	12
1193	GHT-based associative memory learning and its application to Human action detection and classification. 2013 , 46, 3117-3128	8
1192	Low-rank representation with local constraint for graph construction. 2013 , 122, 398-405	53

1191	Multi-part sparse representation in random crowded scenes tracking. 2013 , 34, 780-788	8
1190	Configurable hardware integrate and fire neurons for sparse approximation. 2013 , 45, 134-43	18
1189	Using the idea of the sparse representation to perform coarse-to-fine face recognition. 2013 , 238, 138-148	108
1188	Bases sorting: Generalizing the concept of frequency for over-complete dictionaries. 2013 , 115, 192-200	3
1187	A fast convex conjugated algorithm for sparse recovery. 2013 , 115, 178-185	4
1186	Eyeglasses removal of thermal image based on visible information. 2013 , 14, 163-176	17
1185	Introduction. 2013 , 1-2	
1184	Compressive Sensing. 2013 , 3-15	3
1183	Compressive Acquisition. 2013 , 17-40	
1182	Compressive Sensing for Vision. 2013 , 41-61	
1181	Sparse Representation-based Object Recognition. 2013 , 63-84	1
1180	Dictionary Learning. 2013 , 85-92	2
1179	Concluding Remarks. 2013 , 93-94	
1178	Visual saliency detection using information divergence. 2013 , 46, 2658-2669	33
1177	Classification approach based on non-negative least squares. 2013 , 118, 41-57	34
1176	Sparse representation and learning in visual recognition: Theory and applications. 2013 , 93, 1408-1425	131
1175	Bus detection based on sparse representation for transit signal priority. 2013 , 118, 1-9	6
1174	A robust face and ear based multimodal biometric system using sparse representation. 2013 , 46, 2156-2168	49

1173	A sparse representation method of bimodal biometrics and palmprint recognition experiments. 2013 , 103, 164-171		33
1172	Feature extraction for different distances of visible reflection iris using multiscale sparse representation of local Radon transform. 2013 , 46, 2622-2633		25
1171	Dictionaries for image-based recognition. 2013 ,		3
1170	Online object tracking with sparse prototypes. 2013 , 22, 314-25		327
1169	Learning dictionary from signals under global sparsity constraint. 2013 , 119, 308-318		6
1168	Fast ℓ_1 -minimization algorithms for robust face recognition. 2013 , 22, 3234-46		233
1167	Hyperspectral Imagery Restoration Using Nonlocal Spectral-Spatial Structured Sparse Representation With Noise Estimation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2013 , 6, 499-515	4-7	143
1166	Hyperspectral Image Classification via Kernel Sparse Representation. 2013 , 51, 217-231		391
1165	Hyperspectral Image Classification Based on Structured Sparse Logistic Regression and Three-Dimensional Wavelet Texture Features. 2013 , 51, 2276-2291		236
1164	Enhancing sparsity via β (0. 2013 , 99, 592-602		37
1163	Adaptive weighted learning for linear regression problems via Kullback-Leibler divergence. 2013 , 46, 1209-1219		9
1162	Collaborative neighbor representation based classification using ℓ_2 -minimization approach. 2013 , 34, 201-208		89
1161	An Improved Method for Face Recognition Based on Sparse Representation. 2013 ,		
1160	Feature Denoising Using Joint Sparse Representation for In-Car Speech Recognition. 2013 , 20, 681-684		21
1159	Pairwise sparsity preserving embedding for unsupervised subspace learning and classification. 2013 , 22, 4640-51		45
1158	On the role of shape prototypes in hierarchical models of vision. 2013 ,		
1157	Face Recognition with Single Training Sample per Person Using Sparse Representation. 2013 ,		1
1156	Sparse representation of astronomical images. 2013 , 30, 758-68		10

1155	Dissimilarity sparsity-preserving projections in feature extraction for visual recognition. <i>Applied Optics</i> , 2013 , 52, 5022-9	1.7	2
1154	A Collaborative Neighbor Representation Based Face Recognition Algorithm. 2013 , 2013, 1-9		2
1153	Low-Rank Matrix Recovery with Discriminant Regularization. 2013 , 437-448		10
1152	Development and evaluation of an automated histology classification system for veterinary pathology. 2013 , 25, 765-9		4
1151	Research of Vehicle Recognition Method under SURF Feature and Bayesian Model. 2013 ,		
1150	A Palmprint Recognition Based on Collaborative Representation. 2013 , 457-458, 1317-1322		1
1149	Sparse Representation Frontal Facial Recognition Algorithm Based on Eigenface. 2013 , 347-350, 3629-3633		
1148	An Improved Two-Phase Sparse Representation Method for Traffic Sign Recognition. 2013 ,		
1147	High-speed structured light scanning system and 3D gestural point cloud recognition. 2013 ,		
1146	Illumination Estimation Based on Bilayer Sparse Coding. 2013 ,		4
1145	Sparse Representation Based Face Recognition with Limited Labeled Samples. 2013 ,		3
1144	Multimodal image fusion via sparse representation with local patch dictionaries. 2013 ,		1
1143	CLASSIFYING MEDICAL IMAGES USING MORPHOLOGICAL APPEARANCE MANIFOLDS. 2013 , 2013, 744-747		1
1142	Kernel collaborative representation-based classifier for face recognition. 2013 ,		16
1141	Robust Dictionary Learning by Error Source Decomposition. 2013 ,		10
1140	A graph-cut approach to image segmentation using an affinity graph based on $\bar{0}$ -sparse representation of features. 2013 ,		10
1139	Learning Separable Filters. 2013 ,		89
1138	Sparsity based segmentation in hybrid color space. 2013 ,		1

1137	Graph regularized GM-pLSA with application to video classification. 2013 ,	
1136	Group sparsity based sparse coding for region covariances. 2013 ,	
1135	General Regression and Representation Model for Face Recognition. 2013 ,	7
1134	Palmprint Recognition Method Based on Adaptive Fusion. 2013 ,	2
1133	Multiple instance learning tracking method with local sparse representation. 2013 , 7, 320-334	10
1132	Joint sparse representation based cepstral-domain dereverberation for distant-talking speech recognition. 2013 ,	4
1131	Model order reduction using overcomplete damped sinusoid dictionary and sparse coding. 2013 ,	1
1130	Dictionary-Based Methods for Object Recognition*. 2013 , 31, 203-225	1
1129	In Defense of Sparsity Based Face Recognition. 2013 ,	87
1128	Skin-based hyperspectral dismount detection using sparse representation. 2013 ,	
1127	Speaker Adaptation in Sparse Subspace of Acoustic Models. 2013 , E96.D, 1402-1405	
1126	Face recognition using sparse representation-based classification on k-nearest subspace. 2013 , 8, e59430	25
1125	CaSPIAN: a causal compressive sensing algorithm for discovering directed interactions in gene networks. 2014 , 9, e90781	15
1124	Hierarchical sparse representation for dictionary-based classification of hyperspectral images. 2014 ,	
1123	Kernelized sparse graph-embedded dimensionality reduction for hyperspectral image classification. 2014 ,	1
1122	Robust ear recognition via nonnegative sparse representation of Gabor orientation information. 2014 , 2014, 131605	4
1121	Adaptive Aggregating Multiresolution Feature Coding for Image Classification. 2014 , 2014, 1-10	3
1120	Polarimetric Contextual Classification of PolSAR Images Using Sparse Representation and Superpixels. 2014 , 6, 7158-7181	59

1119	Multi-scale patch-based sparse appearance model for robust object tracking. 2014 , 25, 1859-1876		5
1118	4DCov: A Nested Covariance Descriptor of Spatio-Temporal Features for Gesture Recognition in Depth Sequences. 2014 ,		21
1117	Autonomous Document Cleaning--A Generative Approach to Reconstruct Strongly Corrupted Scanned Texts. 2014 , 36, 1950-62		7
1116	Optimal sparse approximation with integrate and fire neurons. 2014 , 24, 1440001		31
1115	Facial pose estimation via dense and sparse representation. 2014 ,		
1114	Image Segmentation Using Dictionary Learning and Compressed Random Features. 2014 ,		
1113	How to adjust the distribution of nonzero elements in sparse representation: A granular locality-preserving approach. 2014 , 289, 25-40		
1112	Ambiguously Labeled Learning Using Dictionaries. 2014 , 9, 2076-2088		41
1111	. 2014 ,		1
1110	Real-time infrared target tracking based on ℓ_1 minimization and compressive features. <i>Applied Optics</i> , 2014 , 53, 6518-26	1.7	22
1109	Pansharpening Based on Low-Rank and Sparse Decomposition. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014 , 7, 4793-4805	4.7	22
1108	Automatic stellar spectral classification via sparse representations and dictionary learning. 2014 , 38, 193-211		10
1107	Sparse representation based tracking of frequency hopping primary user for cognitive radio. 2014 ,		0
1106	A sparse representation method for traffic sign recognition based on similar class. 2014 ,		
1105	Robust surface reconstruction via dictionary learning. 2014 , 33, 1-12		37
1104	A universal JPEG image steganalysis method based on collaborative representation. 2014 ,		3
1103	Collaborative representation, sparsity or nonlinearity: What is key to dictionary based classification?. 2014 ,		3
1102	Sparse representation within disconnected spatial support for target detection in hyperspectral imagery. 2014 ,		1

1101	Robust pedestrian tracking and recognition from FLIR video: a unified approach via sparse coding. 2014 , 14, 11245-59	15
1100	A Hybrid Feature Selection Approach by Correlation-Based Filters and SVM-RFE. 2014 ,	6
1099	Are Sparse Representation and Dictionary Learning Good for Handwritten Character Recognition?. 2014 ,	1
1098	An Algorithm for Image Enhancement via Sparse Representation. 2014 , 556-562, 4806-4810	1
1097	ℓ Regularized Correntropy. 2014 , 61-83	
1096	Satellite Image Classification Using Unsupervised Learning and SIFT. 2014 ,	1
1095	Dictionary based framework for face recognition, designed mutually for single training sample (STS) and degraded set (DS). 2014 ,	1
1094	Sparseness-Based Descriptors for Texture Segmentation. 2014 ,	0
1093	Image Super-Resolution via Sparse Representation over Coupled Dictionary Learning Based on Patch Sharpness. 2014 ,	5
1092	Improved minimum squared error method for robust classification. 2014 ,	
1091	Change detection of medical images using dictionary learning techniques and principal component analysis. 2014 , 1, 024502	10
1090	Dictionaries for image and video-based face recognition [Invited]. 2014 , 31, 1090-103	8
1089	The correlation analysis of NDVI products based on sparse representation. 2014 ,	
1088	Hyperspectral Image Classification by Nonlocal Joint Collaborative Representation With a Locally Adaptive Dictionary. 2014 , 52, 3707-3719	159
1087	Robust radar waveform recognition algorithm based on random projections and sparse classification. 2014 , 8, 290-296	22
1086	Automated bone segmentation from dental CBCT images using patch-based sparse representation and convex optimization. 2014 , 41, 043503	52
1085	Joint Collaborative Representation With Multitask Learning for Hyperspectral Image Classification. 2014 , 52, 5923-5936	21
1084	Autogrouped sparse representation for visual analysis. 2014 , 23, 5390-9	1

1083	Deformable segmentation of 3D MR prostate images via distributed discriminative dictionary and ensemble learning. 2014 , 41, 072303		15
1082	A Feature Extraction Method for Cursive Character Recognition Using Higher-Order Singular Value Decomposition. 2014 ,		3
1081	Visual recognition based on discriminative and collaborative representation. 2014 , 21, 800-809		0
1080	Improved combination of RPCA and MEL for sparse representation-based face recognition. 2014 , 12, 1450031		1
1079	A new real-time object tracking algorithm for effect and efficiency optimization. 2014 ,		
1078	Fingerprint indexing through sparse decomposition of ridge flow patches. 2014 ,		3
1077	Integrating Globality and Locality for Robust Representation Based Classification. 2014 , 2014, 1-10		6
1076	A Fast Iterative Pursuit Algorithm in Robust Face Recognition Based on Sparse Representation. 2014 , 2014, 1-11		3
1075	Spectral Clustering Based on Sparse Representation. 2014 , 556-562, 3822-3826		
1074	Tensor sparse coding for positive definite matrices. 2014 , 36, 592-605		28
1073	Segmentation of endocardium in ultrasound images based on sparse representation over learned redundant dictionaries. 2014 , 29, 201-210		6
1072	A kernel-based sparsity preserving method for semi-supervised classification. 2014 , 139, 345-356		13
1071	Spectral clustering of high-dimensional data exploiting sparse representation vectors. 2014 , 135, 229-239		31
1070	Sparse representation-based classification algorithm for optical Tibetan character recognition. 2014 , 125, 1034-1037		5
1069	Semantic superpixel extraction via a discriminative sparse representation. <i>Multimedia Tools and Applications</i> , 2014 , 73, 1247-1268	2.5	1
1068	Robust palmprint identification based on directional representations and compressed sensing. <i>Multimedia Tools and Applications</i> , 2014 , 70, 2331-2345	2.5	11
1067	Robust emotion recognition in noisy speech via sparse representation. 2014 , 24, 1539-1553		20
1066	Distance approximation for two-phase test sample representation in face recognition. 2014 , 24, 1341-1353		2

1065	A Kernel-based sparse representation method for face recognition. 2014 , 24, 845-852	8
1064	A novel sparse representation method based on virtual samples for face recognition. 2014 , 24, 513-519	42
1063	A classification-oriented dictionary learning model: Explicitly learning the particularity and commonality across categories. 2014 , 47, 885-898	68
1062	Smoke Detection in Video: An Image Separation Approach. 2014 , 106, 192-209	31
1061	A Comprehensive Survey to Face Hallucination. 2014 , 106, 9-30	241
1060	Improving Hyperspectral Image Classification Using Spectral Information Divergence. 2014 , 11, 249-253	20
1059	Segmentation of neonatal brain MR images using patch-driven level sets. 2014 , 84, 141-58	136
1058	Texture sparseness for pixel classification of business document images. 2014 , 17, 257-273	11
1057	Classification using sparse representations: a biologically plausible approach. 2014 , 108, 61-73	16
1056	Combination of linear regression classification and collaborative representation classification. 2014 , 25, 833-838	4
1055	Structured Priors for Sparse-Representation-Based Hyperspectral Image Classification. 2014 , 11, 1235-1239	73
1054	Spatial Neighborhood-Constrained Linear Coding for Visual Object Tracking. 2014 , 10, 469-480	19
1053	Nonnegative sparse locality preserving hashing. 2014 , 281, 714-725	8
1052	Remote detection of forest fires from video signals with classifiers based on K-SVD learned dictionaries. 2014 , 33, 1-11	14
1051	Integrate the original face image and its mirror image for face recognition. 2014 , 131, 191-199	68
1050	Sparse regularization discriminant analysis for face recognition. 2014 , 128, 341-362	10
1049	Collaborative object tracking model with local sparse representation. 2014 , 25, 423-434	18
1048	Non-negative sparse decomposition based on constrained smoothed ℓ_1 norm. 2014 , 100, 42-50	9

1047	Joint sparse representation for robust multimodal biometrics recognition. 2014 , 36, 113-26	214
1046	Unsupervised Feature Learning for Aerial Scene Classification. 2014 , 52, 439-451	325
1045	Learning group-based dictionaries for discriminative image representation. 2014 , 47, 899-913	13
1044	Information-Theoretic Dictionary Learning for Image Classification. 2014 , 36, 2173-84	35
1043	Towards Multi-view and Partially-Occluded Face Alignment. 2014 ,	16
1042	Dictionary Learning for Image Coding Based on Multisample Sparse Representation. 2014 , 24, 2004-2010	14
1041	Integrating conventional and inverse representation for face recognition. 2014 , 44, 1738-46	88
1040	Image classification using local linear regression. 2014 , 25, 1913-1920	7
1039	Denoising Hyperspectral Imagery Using Principal Component Analysis and Block-Matching 4D Filtering. 2014 , 40, 60-66	37
1038	Robust Recovery of Corrupted Low-RankMatrix by Implicit Regularizers. 2014 , 36, 770-83	42
1037	Unsupervised dictionary learning with double-layer sparse representation. 2014 ,	
1036	Color image processing based on Nonnegative Matrix Factorization with Convolutional Neural Network. 2014 ,	6
1035	Distant Supervision for Relation Extraction via Sparse Representation. 2014 , 151-162	1
1034	Locality-sensitive kernel sparse representation classification for face recognition. 2014 , 25, 1878-1885	11
1033	Improving representation-based classification for robust face recognition. 2014 , 61, 961-968	8
1032	Microarray data classification using the spectral-feature-based TLS ensemble algorithm. 2014 , 13, 289-99	3
1031	. 2014 , 16, 1268-1281	170
1030	. 2014 , 16, 1188-1200	28

1029	Block-Sparse RPCA for Salient Motion Detection. 2014 , 36, 1975-87		106
1028	Lesion detection and characterization with context driven approximation in thoracic FDG PET-CT images of NSCLC studies. 2014 , 33, 408-21		16
1027	Enhancing sparsity via full rank decomposition for robust face recognition. 2014 , 25, 1043-1052		3
1026	Graph regularized GM-pLSA and its applications to video content analysis. 2014 , 20, 429-445		1
1025	Robust sparsity-preserved learning with application to image visualization. 2014 , 39, 287-304		5
1024	Image denoising with patch estimation and low patch-rank regularization. <i>Multimedia Tools and Applications</i> , 2014 , 71, 485-495	2.5	1
1023	Half-quadratic-based iterative minimization for robust sparse representation. 2014 , 36, 261-75		166
1022	Contour tracking in echocardiographic sequences via sparse representation and dictionary learning. 2014 , 18, 253-71		65
1021	. 2014 , 24, 1743-1757		24
1020	A face recognition algorithm based on collaborative representation. 2014 , 125, 4845-4849		2
1019	Dempster-Shafer Fusion of Multiple Sparse Representation and Statistical Property for SAR Target Configuration Recognition. 2014 , 11, 1106-1110		25
1018	Robust (semi) nonnegative graph embedding. 2014 , 23, 2996-3012		45
1017	An Inner-Product-Based Discriminative IRLS Algorithm for Sparse Hyperspectral Detection. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014 , 7, 2383-2392	4.7	4
1016	Classification of clouds in satellite imagery using over-complete dictionary via sparse representation. 2014 , 49, 193-200		21
1015	Double linear regressions for single labeled image per person face recognition. 2014 , 47, 1547-1558		9
1014	Bounds of restricted isometry constants in extreme asymptotics: Formulae for Gaussian matrices. 2014 , 441, 88-109		6
1013	Integration of sparse multi-modality representation and anatomical constraint for isointense infant brain MR image segmentation. 2014 , 89, 152-64		80
1012	Fisher discrimination based low rank matrix recovery for face recognition. 2014 , 47, 3502-3511		21

1011	Neurodegenerative disease diagnosis using incomplete multi-modality data via matrix shrinkage and completion. 2014 , 91, 386-400	76
1010	Multi-modal registration for correlative microscopy using image analogies. 2014 , 18, 914-26	30
1009	Fast and robust face recognition via coding residual map learning based adaptive masking. 2014 , 47, 535-543	25
1008	A novel supervised feature extraction and classification fusion algorithm for land cover recognition of the off-land scenario. 2014 , 140, 77-83	3
1007	Bilinear discriminative dictionary learning for face recognition. 2014 , 47, 1835-1845	28
1006	A novel sparse model based forensic writer identification. 2014 , 35, 105-112	27
1005	A novel virtual samples-based sparse representation method for face recognition. 2014 , 125, 3908-3912	8
1004	The comparative analysis l2-minimisation based description methods. 2014 , 125, 374-379	
1003	Learning discriminative dictionary for group sparse representation. 2014 , 23, 3816-28	69
1002	Multiple kernel learning for sparse representation-based classification. 2014 , 23, 3013-24	95
1001	Robust latent low rank representation for subspace clustering. 2014 , 145, 369-373	47
1000	Query-expanded collaborative representation based classification with class-specific prototypes for object recognition. 2014 , 47, 3585-3596	3
999	Motion-guided resolution enhancement for Lung 4D-CT. 2014 ,	0
998	Kernel collaborative representation for face recognition. 2014 ,	0
997	Dictionary-based multiple instance learning. 2014 ,	9
996	Event-driven stereo matching for real-time 3D panoramic vision. 2015 ,	23
995	Learning anomalous features via sparse coding using matrix norms. 2015 ,	2
994	A two-phase method based on virtual test samples and face recognition experiments. 2015 ,	

993	A registration-based tracking algorithm based on noise separation. 2015 , 126, 5806-5811	5
992	Two directional transform based sparse representation: A novel idea and method for sparse representation. 2015 ,	
991	Video Matting via Sparse and Low-Rank Representation. 2015 ,	7
990	Feature Selection for 2D and 3D Face Recognition. 2015 , 1-28	16
989	Low-rank network decomposition reveals structural characteristics of small-world networks. 2015 , 92, 062822	9
988	Gaussian process based text categorization for healthy information. 2015 ,	1
987	Hierarchical and symmetric infant image registration by robust longitudinal-example-guided correspondence detection. 2015 , 42, 4174-89	8
986	Automated segmentation of dental CBCT image with prior-guided sequential random forests. 2016 , 43, 336	33
985	Predicting Transmembrane Barrel Segments with Chain Learning and Sparse Coding. 2015 , 48, 245-250	
984	A Study on Non-sparse Dictionary Learning for Pattern Classification. 2015 ,	
983	Integrating the original and approximate face images to perform collaborative representation based classification. 2015 , 126, 5539-5543	4
982	Tactile sequence classification using joint kernel sparse coding. 2015 ,	9
981	Sparse representation of HCP grayordinate data reveals novel functional architecture of cerebral cortex. 2015 , 36, 5301-19	47
980	A Data-Driven Approach to Customer Segmentation. 2015 ,	
979	Robust Sparse Representation for Incomplete and Noisy Data. 2015 , 6, 287-299	1
978	A Rank-Constrained Matrix Representation for Hypergraph-Based Subspace Clustering. 2015 , 2015, 1-12	0
977	Fusing Two Kinds of Virtual Samples for Small Sample Face Recognition. 2015 , 2015, 1-10	3
976	A sparse representation based method to classify pulmonary patterns of diffuse lung diseases. 2015 , 2015, 567932	8

975	Weighted-Fusion-Based Representation Classifiers for Hyperspectral Imagery. 2015 , 7, 14806-14826	13
974	A Neural Network-Based Interval Pattern Matcher. 2015 , 6, 388-398	5
973	Image classification based on low-rank matrix recovery and Naive Bayes collaborative representation. 2015 , 169, 110-118	11
972	Discriminative sparsity preserving projections for image recognition. 2015 , 48, 2543-2553	35
971	Inverse sparse tracker with a locally weighted distance metric. 2015 , 24, 2646-57	84
970	Grassmannian sparse representations. 2015 , 24, 033008	0
969	Learning a Nonnegative Sparse Graph for Linear Regression. 2015 , 24, 2760-71	56
968	Hyperspectral Anomaly Detection by the Use of Background Joint Sparse Representation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 2523-2533	4-7 141
967	Learning Semi-Supervised Representation Towards a Unified Optimization Framework for Semi-Supervised Learning. 2015 ,	19
966	Scalable image annotation using a product compressive sampling approach. 2015 ,	
965	Locality sensitive discriminative dictionary learning. 2015 ,	3
964	Joint collaborative representation based sleep stage classification with multi-channel EEG signals. 2015 , 2015, 590-3	1
963	The optimization of fingerprint segmentation based on sparse representation. 2015 ,	
962	Group representation-based classification. 2015 ,	
961	Conformal and Low-Rank Sparse Representation for Image Restoration. 2015 ,	9
960	Latent dirichlet allocation based blog analysis for criminal intention detection system. 2015 ,	4
959	Saliency Detection Using Quaternion Sparse Reconstruction. 2015 ,	
958	Center-based weighted kernel linear regression for image classification. 2015 ,	8

957	Automatic instance selection via locality constrained sparse representation for missing value estimation. 2015 , 85, 210-223	8
956	Spectral clustering of high-dimensional data via Nonnegative Matrix Factorization. 2015 ,	4
955	Discriminative Low-Rank Tracking. 2015 ,	20
954	Automatic plant species recognition technique using machine learning approaches. 2015 ,	2
953	Sparsity-Constrained fMRI Decoding of Visual Saliency in Naturalistic Video Streams. 2015 , 7, 65-75	12
952	Hybrid dictionary learning for JPEG steganalysis. 2015 ,	1
951	Multiway K-Clustered Tensor Approximation. 2015 , 34, 1-15	3
950	Biological characteristic online identification technique over 5G network. 2015 , 22, 84-90	5
949	Patch Group Based Nonlocal Self-Similarity Prior Learning for Image Denoising. 2015 ,	169
948	Human Action Recognition Based on DMMs, HOGs and Contourlet Transform. 2015 ,	12
947	Uniform Detection in Social Image Streams. 2015 ,	1
946	On the detection of abandoned objects with a moving camera using robust subspace recovery and sparse representation. 2015 ,	5
945	Maximum constrained sparse coding for image representation. 2015 ,	
944	. 2015 , 10, 626-639	14
943	Kernel Low-Rank Representation for face recognition. 2015 , 155, 32-42	50
942	Robust brain parcellation using sparse representation on resting-state fMRI. 2015 , 220, 3565-79	19
941	A global/local affinity graph for image segmentation. 2015 , 24, 1399-411	72
940	Improved sparse decomposition based on a smoothed L0 norm using a Laplacian kernel to select features from fMRI data. 2015 , 245, 15-24	10

939	Regression analysis of locality preserving projections via sparse penalty. 2015 , 303, 1-14	14
938	Image Reconstruction for Electrical Capacitance Tomography Based on Sparse Representation. 2015 , 64, 89-102	80
937	Kernel collaborative face recognition. 2015 , 48, 3025-3037	49
936	Enhanced low-rank representation via sparse manifold adaption for semi-supervised learning. 2015 , 65, 1-17	35
935	. 2015 , 25, 1246-1257	28
934	Predict brain MR image registration via sparse learning of appearance and transformation. 2015 , 20, 61-75	25
933	Improving image annotation via ranking-oriented neighbor search and learning-based keyword propagation. 2015 , 66, 82-98	11
932	Improving Human Action Recognition Using Fusion of Depth Camera and Inertial Sensors. 2015 , 45, 51-61	172
931	LINKS: learning-based multi-source Integration framework for Segmentation of infant brain images. 2015 , 108, 160-72	168
930	Salient views and view-dependent dictionaries for object recognition. 2015 , 48, 3053-3066	3
929	Estimation of signal-dependent noise level function in transform domain via a sparse recovery model. 2015 , 24, 1561-72	12
928	Robust visual tracking based on product sparse coding. 2015 , 56, 52-59	8
927	A nearest neighbor classifier based on virtual test samples for face recognition. 2015 , 126, 2799-2803	2
926	Multi-channel EEG-based sleep stage classification with joint collaborative representation and multiple kernel learning. 2015 , 254, 94-101	22
925	A sparse representation-based optimization algorithm for measuring the time delay of pulsar integrated pulse profile. 2015 , 46, 94-103	5
924	Object tracking using discriminative sparse appearance model. 2015 , 37, 1-18	1
923	Information-theoretic analysis of support recovery from sparsely corrupted measurements. 2015 , 69, 1354-1365	
922	Semi-Supervised Image Classification by Nonnegative Sparse Neighborhood Propagation. 2015 ,	25

921	Survey on sparsity in geometric modeling and processing. 2015 , 82, 160-180		25
920	Discrimination of retinal images containing bright lesions using sparse coded features and SVM. 2015 , 62, 175-84		64
919	Super-resolution spectral estimation in short-time non-contact vital sign measurement. 2015 , 86, 044708		12
918	Parallel Implementation of Sparse Representation Classifiers for Hyperspectral Imagery on GPUs. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 2912-2925	4.7	27
917	Sparse representation based on adaptive multiscale features for robust machinery fault diagnosis. 2015 , 229, 2303-2313		15
916	Non-linear dictionary learning with partially labeled data. 2015 , 48, 3283-3292		19
915	Relations Among Some Low-Rank Subspace Recovery Models. <i>Neural Computation</i> , 2015 , 27, 1915-50	2.9	22
914	Robust people counting using sparse representation and random projection. 2015 , 48, 3038-3052		21
913	A two-step super-Gaussian independent component analysis approach for fMRI data. 2015 , 118, 344-58		5
912	Single-sample face recognition based on intra-class differences in a variation model. 2015 , 15, 1071-87		20
911	Compressive image acquisition and classification via secant projections. 2015 , 17, 065701		14
910	Combining L1-norm and L2-norm based sparse representations for face recognition. 2015 , 126, 719-724		6
909	Plant identification using leaf shapesA pattern counting approach. 2015 , 48, 3203-3215		79
908	Multiple kernel-based dictionary learning for weakly supervised classification. 2015 , 48, 2667-2675		11
907	Object Detection Based on Sparse Representation and Hough Voting for Optical Remote Sensing Imagery. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 2053-2062	4.7	64
906	Fusing hierarchical multi-scale local binary patterns and virtual mirror samples to perform face recognition. 2015 , 26, 2013-2026		16
905	Hyperspectral Imagery Classification Based on Sparse Feature and Neighborhood Homogeneity. 2015 , 43, 445-457		2
904	Nonconvex Sorted (ell ₁) Minimization for Sparse Approximation. 2015 , 3, 207-229		13

903	Learning Discriminative Sparse Representations for Hyperspectral Image Classification. 2015 , 9, 1089-1104	37
902	Robust 2D principal component analysis: a structured sparsity regularized approach. 2015 , 24, 2515-26	19
901	Facial Expression Recognition via Deep Learning. 2015 , 32, 347-355	55
900	. <i>IEEE Access</i> , 2015 , 3, 490-530	3.5 615
899	Visual Domain Adaptation: A survey of recent advances. 2015 , 32, 53-69	459
898	Classification on the monogenic scale space: application to target recognition in SAR image. 2015 , 24, 2527-39	93
897	Holistic atlases of functional networks and interactions reveal reciprocal organizational architecture of cortical function. 2015 , 62, 1120-31	108
896	Spectral Spatial Classification of Hyperspectral Images With a Superpixel-Based Discriminative Sparse Model. 2015 , 53, 4186-4201	197
895	. 2015 , 53, 4712-4723	23
894	Locality-constrained Subcluster Representation Ensemble for lung image classification. 2015 , 22, 102-13	24
893	Self-expressive tracking. 2015 , 48, 2872-2884	12
892	Large Margin Local Estimate With Applications to Medical Image Classification. 2015 , 34, 1362-77	52
891	Supervised dictionary learning for inferring concurrent brain networks. 2015 , 34, 2036-45	48
890	A framework of joint graph embedding and sparse regression for dimensionality reduction. 2015 , 24, 1341-55	48
889	Robust domain adaptation image classification via sparse and low rank representation. 2015 , 33, 134-148	3
888	Supervised dictionary learning for blind image quality assessment using quality-constraint sparse coding. 2015 , 33, 123-133	24
887	Dual Graph Regularized Latent Low-Rank Representation for Subspace Clustering. 2015 , 24, 4918-33	82
886	A dictionary learning and KPCA-based feature extraction method for off-line handwritten Tibetan character recognition. 2015 , 126, 3795-3800	5

885	Clustering High-Dimensional Data via Spectral Clustering Using Collaborative Representation Coefficients. 2015 , 248-258	1
884	Data-Driven Feature Learning for Myocardial Segmentation of CP-BOLD MRI. 2015 , 189-197	6
883	News topics categorization using latent Dirichlet allocation and sparse representation classifier. 2015 ,	7
882	Unsupervised feature learning based on sparse coding and spectral clustering for segmentation of synthetic aperture radar images. 2015 , 9, 629-638	59
881	Constructing a Nonnegative Low-Rank and Sparse Graph With Data-Adaptive Features. 2015 , 24, 3717-28	83
880	L1-norm plus L2-norm sparse parameter for image recognition. 2015 , 126, 4078-4082	2
879	Learning the Nonlinear Geometry of High-Dimensional Data: Models and Algorithms. 2015 , 63, 6229-6244	14
878	Color Sparse Representations for Image Processing: Review, Models, and Prospects. 2015 , 24, 3978-89	18
877	Locality Structured Sparsity Preserving Embedding. 2015 , 29, 1551010	6
876	You Can't Smoke Here. 2015 ,	6
875	Sparse Learning for Robust Background Subtraction of Video Sequences. 2015 , 400-411	1
874	Unsupervised Spectral Spatial Feature Learning With Stacked Sparse Autoencoder for Hyperspectral Imagery Classification. 2015 , 12, 2438-2442	234
873	Compositional Dictionaries for Domain Adaptive Face Recognition. 2015 , 24, 5152-65	21
872	Unsupervised Myocardial Segmentation for Cardiac MRI. 2015 , 12-20	6
871	Music Annotation and Retrieval using Unlabeled Exemplars: Correlation and Sparse Codes. 2015 , 22, 1771-1775	9
870	Extrinsic Methods for Coding and Dictionary Learning on Grassmann Manifolds. 2015 , 114, 113-136	48
869	. 2015 , 53, 6114-6133	48
868	Spectral Clustering of High-Dimensional Data via k-Nearest Neighbor Based Sparse Representation Coefficients. 2015 , 363-374	1

867	Generalized Dictionaries for Multiple Instance Learning. 2015 , 114, 288-305	19
866	Global linear regression coefficient classifier for recognition. 2015 , 126, 3234-3239	3
865	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 3316-3328	4.7 116
864	Motion object tracking based on the low-rank matrix representation. 2015 , 22, 786-801	4
863	Fast and Robust Object Tracking via Probability Continuous Outlier Model. 2015 , 24, 5166-76	21
862	Improved performance of inverse halftoning algorithms via coupled dictionaries. 2015 ,	
861	Robust Visual Tracking via Sparsity-Induced Subspace Learning. 2015 , 24, 4686-700	28
860	HAFNI-enabled largescale platform for neuroimaging informatics (HELPNI). 2015 , 2, 225-238	12
859	Sparsity-driven bandwidth-efficient decentralized tracking in visual sensor networks. 2015 , 139, 40-58	1
858	Sparse Contribution Plot for Fault Diagnosis of Multimodal Chemical Processes. 2015 , 48, 619-626	17
857	Sparse error via reweighted Low Rank Representation for face recognition with various illumination and occlusion. 2015 , 126, 5376-5380	2
856	Dimensionality Reduction by Integrating Sparse Representation and Fisher Criterion and its Applications. 2015 , 24, 5684-95	29
855	Saliency-Guided Unsupervised Feature Learning for Scene Classification. 2015 , 53, 2175-2184	362
854	. 2015 , 53, 2696-2712	36
853	Label propagation based on local information with adaptive determination of number and degree of neighbor's similarity. 2015 , 153, 41-53	4
852	Learning Separable Filters. 2015 , 37, 94-106	48
851	Sparse representation of whole-brain fMRI signals for identification of functional networks. 2015 , 20, 112-34	126
850	A novel SRC fusion method using hierarchical multi-scale LBP and greedy search strategy. 2015 , 151, 1455-1467	2

849	UGC-JU face database and its benchmarking using linear regression classifier. <i>Multimedia Tools and Applications</i> , 2015 , 74, 2913-2937	2.5	14
848	Joint sparse coding based spatial pyramid matching for classification of color medical image. 2015 , 41, 61-6		14
847	Multi-focus image fusion using dictionary-based sparse representation. 2015 , 25, 72-84		243
846	Classifying Compound Structures in Satellite Images: A Compressed Representation for Fast Queries. 2015 , 53, 1803-1818		41
845	A homotopy-based sparse representation for fast and accurate shape prior modeling in liver surgical planning. 2015 , 19, 176-86		32
844	Sparse representation with learned multiscale dictionary for image fusion. 2015 , 148, 600-610		46
843	Hyperspectral Image Denoising via Sparse Representation and Low-Rank Constraint. 2015 , 53, 296-308		238
842	A collaborative representation based projections method for feature extraction. 2015 , 48, 20-27		136
841	Sparse and Dense Hybrid Representation via Dictionary Decomposition for Face Recognition. 2015 , 37, 1067-79		123
840	Noise modeling and representation based classification methods for face recognition. 2015 , 148, 420-429		38
839	Robust classifier using distance-based representation with square weights. 2015 , 19, 507-515		2
838	Real-time human action recognition based on depth motion maps. 2016 , 12, 155-163		172
837	Sparse models for imaging genetics. 2016 , 129-151		1
836	A New Method for Earth Observation Data Analytics Based on Symbolic Machine Learning. 2016 , 8, 399		42
835	Electron tomography image reconstruction using data-driven adaptive compressed sensing. 2016 , 38, 251-76		7
834	Dendritic spine classification based on two-photon microscopic images using sparse representation. 2016 ,		
833	Sparse Multi-Model Based Denoising. 2016 ,		
832	Label associated dictionary pair learning for face recognition. 2016 ,		2

831	Robust object tracking via sparse representation based on compressive collaborative Haar-like feature space. 2016,	1
830	Local invariant representation for multi-instance toucheless palmprint identification. 2016,	7
829	Trace Quotient Meets Sparsity: A Method for Learning Low Dimensional Image Representations. 2016,	9
828	Robust local L2,1tracker via red-green-blue color channel fusion. 2016, 25, 053002	1
827	Discriminant dictionary learning with sparse embedding on face recognition. 2016,	
826	. 2016,	
825	Multi-feature sparse-based defect detection and classification in semiconductor units. 2016,	1
824	Online kernel dictionary learning on a budget. 2016,	2
823	Spatially Aware Dictionary Learning and Coding for Fossil Pollen Identification. 2016,	10
822	A Comparative Study of Sparseness Measures for Segmenting Textures. 2016,	1
821	Weighted semi-supervised manifold clustering via sparse representation. 2016,	
820	Superpixel-based sparse representation classifier for hyperspectral image. 2016,	4
819	Superpixel-level sparse representation-based classification for hyperspectral imagery. 2016,	4
818	Removing Clouds and Recovering Ground Observations in Satellite Image Sequences via Temporally Contiguous Robust Matrix Completion. 2016,	11
817	Topology preserving dictionary learning for pattern classification. 2016,	2
816	Super-resolution of medical image using representation learning. 2016,	9
815	Define a fingerprint Orientation Field pattern. 2016,	1
814	. 2016,	2

813	Low-rank and structured sparse subspace clustering. 2016 ,	6
812	. 2016 ,	2
811	A New Sparse Representation Classifier (SRC) Based on Probability Judgement Rule. 2016 ,	1
810	Locally Similar Sparsity-Based Hyperspectral Compressive Sensing Using Unmixing. 2016 , 2, 86-100	24
809	Classwise Sparse and Collaborative Patch Representation for Face Recognition. 2016 , 25, 3261-3272	37
808	Intrinsic structure based feature transform for image classification. 2016 , 38, 735-744	
807	Adjusting samples for obtaining better l2-norm minimization based sparse representation. 2016 , 39, 93-99	3
806	Spare L1-norm-based maximum margin criterion. 2016 , 38, 11-17	7
805	Sparse and Low-Rank Graph for Discriminant Analysis of Hyperspectral Imagery. 2016 , 54, 4094-4105	86
804	Underdetermined BSS Based on K-means and AP Clustering. 2016 , 35, 2881-2913	18
803	Joint Low-Rank and Sparse Principal Feature Coding for Enhanced Robust Representation and Visual Classification. 2016 , 25, 2429-43	83
802	Discriminative structured dictionary learning for image classification. 2016 , 22, 158-163	3
801	A sparse auto-encoder-based deep neural network approach for induction motor faults classification. 2016 , 89, 171-178	411
800	Face Aging Effect Simulation Using Hidden Factor Analysis Joint Sparse Representation. 2016 , 25, 2493-507	44
799	Sparse Coding for Alpha Matting. 2016 , 25, 3032-3043	27
798	Reconstruction of hyperspectral image using matting model for classification. 2016 , 55, 053104	7
797	Color image quality assessment based on sparse representation and reconstruction residual. 2016 , 38, 550-560	16
796	Sparse RBF surface representations. 2016 , 48, 49-59	2

795	Iterative linear regression classification for image recognition. 2016 ,	3
794	Deep Markov Random Field for Image Modeling. 2016 , 295-312	12
793	Fault Diagnosis Using a Joint Model Based on Sparse Representation and SVM. 2016 , 65, 2313-2320	76
792	A 3-D Riesz-Covariance Texture Model for Prediction of Nodule Recurrence in Lung CT. 2016 , 35, 2620-2630	24
791	Enhancing inverse halftoning via coupled dictionary training. 2016 , 49, 1-8	6
790	A syncretic representation for image classification and face recognition. 2016 , 1, 173-178	6
789	Multi-model robust error correction for face recognition. 2016 ,	2
788	Dictionary Learning on Grassmann Manifolds. 2016 , 145-172	3
787	Scalable 2D K-SVD parallel algorithm for dictionary learning on GPUs. 2016 ,	1
786	Structured Sparsity via Half-Quadratic Minimization. 2016 , 137-148	
785	Sparse Multi-Modal Topical Coding for Image Annotation. 2016 , 214, 162-174	10
784	An efficient classification method based on principal component and sparse representation. 2016 , 5, 832	2
783	Piece-wise quadratic approximations of arbitrary error functions for fast and robust machine learning. 2016 , 84, 28-38	7
782	Forecasting Obsolescence Risk and Product Life Cycle With Machine Learning. 2016 , 6, 1428-1439	21
781	Effects of image compression on ear biometrics. 2016 , 5, 252-261	4
780	Boosted Dictionary Learning for Image Compression. 2016 , 25, 4900-4915	23
779	Saliency detection using tensor sparse reconstruction residual analysis. 2016 ,	1
778	Graph regularized compact self-representative decomposition for image representation. 2016 ,	

777	Unsupervised High-Level Feature Extraction of SAR Imagery With Structured Sparsity Priors and Incremental Dictionary Learning. 2016 , 13, 1467-1471	9
776	. 2016 , 18, 1956-1968	15
775	Real-Time Visual Tracking: Promoting the Robustness of Correlation Filter Learning. 2016 , 662-678	28
774	Multifocus image fusion using Discrete Wavelet Transform and Sparse Representation. 2016 ,	9
773	. 2016 , 54, 7066-7076	40
772	Non-negative sparse-based SemiBoost for software defect prediction. 2016 , 26, 498-515	11
771	Boosted multi-scale dictionaries for image compression. 2016 ,	
770	Robust Elastic-Net Subspace Representation. 2016 , 25, 4245-4259	12
769	Cost-sensitive dictionary learning for face recognition. 2016 , 60, 613-629	24
768	Interactive Multimodal Learning on 100 Million Images. 2016 ,	2
767	Improved discriminative sparsity preserving projections for image recognition. 2016 ,	
766	MAGMA: Multilevel Accelerated Gradient Mirror Descent Algorithm for Large-Scale Convex Composite Minimization. 2016 , 9, 1829-1857	6
765	Discriminative Learning in Biometrics. 2016 , 3-20	1
764	Facial skin beautification via sparse representation over learned layer dictionary. 2016 ,	1
763	Discriminative Learning via Encouraging Virtual Face Images. 2016 , 167-198	
762	Sequential band selection method based on group orthogonal matching pursuit. 2016 ,	2
761	An overview of marine moving target detection via high-resolution sparse representation. 2016 ,	1
760	A fusion algorithm for cooperative reconnaissance based on the correlation of sparse representation. 2016 ,	

759	Sparse coding with unity range codes and label consistent discriminative dictionary learning. 2016 ,		
758	Group and collaborative dictionary pair learning for face recognition. 2016 ,		2
757	Cross-Stitch Networks for Multi-task Learning. 2016 ,		333
756	Sonar-based place recognition using joint sparse coding method. 2016 ,		3
755	Coherence regularized dictionary learning. 2016 ,		3
754	Accelerometer-based gesture recognition using dynamic time warping and sparse representation. <i>Multimedia Tools and Applications</i> , 2016 , 75, 8637-8655	2.5	5
753	Signal sampling for efficient sparse representation of resting state fMRI data. 2016 , 10, 1206-1222		10
752	Local spiking pattern and its application to rotation- and illumination-invariant texture classification. 2016 , 127, 6583-6589		8
751	Iterative Sparsification-Projection: Fast and Robust Sparse Signal Approximation. 2016 , 64, 5536-5548		20
750	Smart Sampling and Optimal Dimensionality Reduction of Big Data Using Compressed Sensing. 2016 , 251-280		
749	Blind spectral unmixing based on sparse component analysis for hyperspectral remote sensing imagery. 2016 , 119, 49-63		55
748	Sample selection for visual domain adaptation via sparse coding. 2016 , 44, 92-100		8
747	Sparsity-Induced Similarity Measure and Its Applications. 2016 , 26, 613-626		33
746	Extended minimum-squared error algorithm for robust face recognition via auxiliary mirror samples. 2016 , 20, 3177-3187		7
745	Predicting standard-dose PET image from low-dose PET and multimodal MR images using mapping-based sparse representation. 2016 , 61, 791-812		44
744	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 1308-1319	4.7	31
743	A novel double-layer sparse representation approach for unsupervised dictionary learning. 2016 , 143, 1-10		2
742	A Multi-kernel Joint Sparse Graph for SAR Image Segmentation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 1265-1285	4.7	28

741	Echocardiography noise reduction using sparse representation. 2016 , 53, 301-318	2
740	Robust subspace segmentation via nonconvex low rank representation. 2016 , 340-341, 144-158	13
739	Locality-preserving low-rank representation for graph construction from nonlinear manifolds. 2016 , 175, 715-722	25
738	Uncooperative gait recognition: Re-ranking based on sparse coding and multi-view hypergraph learning. 2016 , 53, 116-129	18
737	Fisher discrimination-based ($l_{\{2,1\}}$)-norm sparse representation for face recognition. 2016 , 32, 1165-1178	10
736	Denoising of Hyperspectral Images Using Group Low-Rank Representation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 4420-4427	4-7 45
735	Multi-source adaptation learning with global and local regularization by exploiting joint kernel sparse representation. 2016 , 98, 76-94	15
734	Robust Tracking via Locally Structured Representation. 2016 , 119, 110-144	12
733	Dimension reduction using collaborative representation reconstruction based projections. 2016 , 193, 1-6	15
732	Temporal Restricted Visual Tracking Via Reverse-Low-Rank Sparse Learning. 2017 , 47, 485-498	18
731	Collaborative Multi-Sensor Classification Via Sparsity-Based Representation. 2016 , 64, 2400-2415	19
730	Spectral-spatial hyperspectral image ensemble classification via joint sparse representation. 2016 , 59, 42-54	29
729	Nonnegative matrix factorization and sparse representation for the automated detection of periodic limb movements in sleep. 2016 , 54, 1641-1654	3
728	Semisupervised Discriminant Feature Learning for SAR Image Category via Sparse Ensemble. 2016 , 54, 3532-3547	16
727	Anomaly Detection in Hyperspectral Images Based on Low-Rank and Sparse Representation. 2016 , 54, 1990-2000	251
726	Multi-source adaptation joint kernel sparse representation for visual classification. 2016 , 76, 135-151	7
725	Robust Vertex Classification. 2016 , 38, 578-90	4
724	Structure-Constrained Low-Rank and Partial Sparse Representation with Sample Selection for image classification. 2016 , 59, 5-13	10

723	A new residual fusion classification method for hyperspectral images. 2016 , 37, 745-769	2
722	Unsupervised dictionary learning with Fisher discriminant for clustering. 2016 , 194, 65-73	8
721	Enhancing the Prediction of Transmembrane α -Barrel Segments with Chain Learning and Feature Sparse Representation. 2016 , 13, 1016-1026	4
720	In vivo MRI based prostate cancer localization with random forests and auto-context model. 2016 , 52, 44-57	14
719	Context-aware joint dictionary learning for color image demosaicking. 2016 , 38, 230-245	10
718	Unsupervised Feature Learning for Dense Correspondences Across Scenes. 2016 , 116, 90-107	5
717	Visual object tracking—classical and contemporary approaches. 2016 , 10, 167-188	27
716	Local coordinate based graph-regularized NMF for image representation. 2016 , 124, 103-114	17
715	A Kernel Two-Phase Test Sample Sparse Representation for Face Recognition. 2016 , 30, 1656001	
714	A hierarchical local region-based sparse shape composition for liver segmentation in CT scans. 2016 , 50, 88-106	52
713	Laplacian Regularized Low-Rank Representation and Its Applications. 2016 , 38, 504-17	243
712	Saliency detection via a unified generative and discriminative model. 2016 , 173, 406-417	19
711	Weighted multifeature hyperspectral image classification via kernel joint sparse representation. 2016 , 178, 71-86	22
710	Outlier-Robust Greedy Pursuit Algorithms in $\ell_{1/p}$ -Space for Sparse Approximation. 2016 , 64, 60-75	42
709	Generating virtual training samples for sparse representation of face images and face recognition. 2016 , 63, 536-544	6
708	Vehicle Detection in High-Resolution Aerial Images via Sparse Representation and Superpixels. 2016 , 54, 103-116	73
707	A Sparse Spectral Clustering Framework via Multiobjective Evolutionary Algorithm. 2016 , 20, 418-433	32
706	Learning Stacked Image Descriptor for Face Recognition. 2016 , 26, 1685-1696	29

705	Hyperspectral Image Classification via Multitask Joint Sparse Representation and Stepwise MRF Optimization. 2016 , 46, 2966-2977		155
704	Sample pair based sparse representation classification for face recognition. 2016 , 45, 352-358		15
703	Multi-Cue Illumination Estimation via a Tree-Structured Group Joint Sparse Representation. 2016 , 117, 21-47		42
702	Robust graph learning via constrained elastic-net regularization. 2016 , 171, 299-312		5
701	Towards robust subspace recovery via sparsity-constrained latent low-rank representation. 2016 , 37, 46-52		8
700	Joint patch clustering-based dictionary learning for multimodal image fusion. 2016 , 27, 198-214		109
699	Characterizing and differentiating task-based and resting state fMRI signals via two-stage sparse representations. 2016 , 10, 21-32		45
698	Image super-resolution via sparse representation over multiple learned dictionaries based on edge sharpness. 2016 , 10, 535-542		13
697	Discriminative Reverse Sparse Tracking via Weighted Multitask Learning. 2017 , 27, 1031-1042		14
696	Half-Face Dictionary Integration for Representation-Based Classification. 2017 , 47, 142-152		15
695	Superimposed Sparse Parameter Classifiers for Face Recognition. 2017 , 47, 378-390		35
694	Discriminant sparse locality preserving projection for face recognition. <i>Multimedia Tools and Applications</i> , 2017 , 76, 2697-2712	2.5	5
693	High-Level Feature Selection With Dictionary Learning for Unsupervised SAR Imagery Terrain Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017 , 10, 145-160	4.7	10
692	Converted-face identification: using synthesized images to replace original images for recognition. <i>Multimedia Tools and Applications</i> , 2017 , 76, 6641-6661	2.5	5
691	Anomaly detection based on spatio-temporal sparse representation and visual attention analysis. <i>Multimedia Tools and Applications</i> , 2017 , 76, 6263-6279	2.5	9
690	Screening Tests for Lasso Problems. 2017 , 39, 1008-1027		25
689	Visual-Tactile Fusion for Object Recognition. 2017 , 14, 996-1008		140
688	Adaptive Optimization (L_1)-Minimization Solvers on GPU. 2017 , 45, 508-529		6

687	Sparse representation-based classification using generalized weighted extended dictionary. 2017 , 21, 4335-4348	6
686	Feature Selection Based on Structured Sparsity: A Comprehensive Study. 2017 , 28, 1490-1507	180
685	Semi-supervised low-rank representation for image classification. 2017 , 11, 73-80	7
684	Denoising deep extreme learning machine for sparse representation. 2017 , 9, 199-212	13
683	Robust object tracking via multi-scale patch based sparse coding histogram. <i>Multimedia Tools and Applications</i> , 2017 , 76, 12181-12203	2.5 5
682	Improved Image Pansharpening Technique using Nonsubsampled Contourlet Transform with Sparse Representation. 2017 , 45, 385-394	3
681	Sparse Graph Regularization for Hyperspectral Remote Sensing Image Classification. 2017 , 55, 2351-2366	29
680	Saliency-Based Lesion Segmentation Via Background Detection in Dermoscopic Images. 2017 , 21, 1685-1693	84
679	Fast Classification of Hyperspectral Images Using Globally Regularized Archetypal Representation With Approximate Solution. 2017 , 55, 2414-2430	2
678	Store classification using Text-Exemplar-Similarity and Hypotheses-Weighted-CNN. 2017 , 44, 21-28	1
677	Dictionary Learning-Based Feature-Level Domain Adaptation for Cross-Scene Hyperspectral Image Classification. 2017 , 55, 1544-1562	57
676	A Novel multiple kernel-based dictionary learning for distributive and collective sparse representation based classifiers. 2017 , 234, 164-173	4
675	Bayesian Face Sketch Synthesis. 2017 , 26, 1264-1274	101
674	How can a sparse representation be made applicable for very low-dimensional data?. 2017 , 77, 66-70	5
673	Convolutional Discriminative Feature Learning for Induction Motor Fault Diagnosis. 2017 , 13, 1350-1359	176
672	Multi-View Multi-Instance Learning Based on Joint Sparse Representation and Multi-View Dictionary Learning. 2017 , 39, 2554-2560	18
671	Cross-cultural consistency and diversity in intrinsic functional organization of Broca's Region. 2017 , 150, 177-190	13
670	Optimizing the cervix cytological examination based on deep learning and dynamic shape modeling. 2017 , 248, 28-40	32

669	Robust and Low-Rank Representation for Fast Face Identification With Occlusions. 2017 , 26, 2203-2218	39
668	Dual Way Residue Noise Thresholding along with feature preservation. 2017 , 94, 194-201	9
667	Semi-Supervised Sparse Representation Based Classification for Face Recognition With Insufficient Labeled Samples. 2017 , 26, 2545-2560	167
666	Leaf image based cucumber disease recognition using sparse representation classification. 2017 , 134, 135-141	112
665	Local and Nonlocal Context-Aware Elastic Net Representation-Based Classification for Hyperspectral Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017 , 10, 2922-2939	4-7 5
664	Multi-modal dimensionality reduction using effective distance. 2017 , 259, 130-139	6
663	Dynamic dictionary optimization for sparse-representation-based face classification using local difference images. 2017 , 393, 1-14	28
662	Integrating Sparse and Collaborative Representation Classifications for Image Classification. 2017 , 17, 1750007	26
661	. 2017 ,	1
660	Differentiated representation and applications to face recognition. 2017 , 140, 216-222	1
659	Sparse representation for robust face recognition by dictionary decomposition. 2017 , 46, 260-268	8
658	A novel image zooming method based on sparse representation of Weber's law descriptor. 2017 , 14, 172988141668269	1
657	. 2017 , 55, 3982-3996	11
656	A preliminary study for automatic accurate detection of adenomatous polyps in the small intestine. 2017 ,	1
655	Learning part-based spatial models for laser-vision-based room categorization. 2017 , 36, 379-402	2
654	Fast sparsity adaptive multipath matching pursuit for compressed sensing problems. 2017 , 26, 033007	2
653	Superpixel sparse representation for target detection in hyperspectral imagery. 2017 ,	
652	Two-stage plant species recognition by local mean clustering and Weighted sparse representation classification. 2017 , 20, 1517-1525	101

651	Robust Face Recognition With Kernelized Locality-Sensitive Group Sparsity Representation. 2017 , 26, 4661-4668	22
650	Improved sparse representation method for image classification. 2017 , 11, 319-330	22
649	Event-driven stereo vision algorithm based on silicon retina sensors. 2017 ,	2
648	Neuromorphic computation: Sparse codes from memristor grids. 2017 , 12, 722-723	8
647	Sparse coding with memristor networks. 2017 , 12, 784-789	388
646	Semi-supervised classification based on clustering adjusted similarity. 2017 , 39, 210-219	1
645	Combining sparse coding and time-domain features for heart sound classification. 2017 , 38, 1701-1713	46
644	Semi-supervised dictionary learning with label propagation for image classification. 2017 , 3, 83-94	10
643	Automatic media-adventitia IVUS image segmentation based on sparse representation framework and dynamic directional active contour model. 2017 , 89, 561-572	13
642	Image edge detection based tool condition monitoring with morphological component analysis. 2017 , 69, 315-322	26
641	Efficient classification with sparsity augmented collaborative representation. 2017 , 65, 136-145	57
640	. 2017 , 47, 682-692	71
639	Robust Face Recognition Using Kernel Collaborative Representation and Multi-scale Local Binary Patterns. 2017 , 253-271	
638	Sparse graph regularization for robust crop mapping using hyperspectral remotely sensed imagery with very few in situ data. 2017 , 124, 1-15	14
637	Multi-level fusion of graph based discriminant analysis for hyperspectral image classification. <i>Multimedia Tools and Applications</i> , 2017 , 76, 22959-22977	2.5 1
636	Sparse learning based fuzzy c-means clustering. 2017 , 119, 113-125	21
635	Learning from Collective Intelligence. 2017 , 13, 1-23	68
634	Robust Image Classification via Low-Rank Double Dictionary Learning. 2017 , 316-328	0

633	Robust Alternating Low-Rank Representation by joint L- and L-norm minimization. 2017 , 96, 55-70	22
632	An efficient superpixel-based sparse representation framework for hyperspectral image classification. 2017 , 15, 1750061	2
631	STAR: Spatio-temporal altimeter waveform retracking using sparse representation and conditional random fields. 2017 , 201, 148-164	20
630	. 2017 ,	7
629	How many zero crossings? A method for structure-texture image decomposition. 2017 , 68, 129-141	3
628	Graph construction using adaptive Local Hybrid Coding scheme. 2017 , 95, 91-101	14
627	Supervised Discriminative EEG Brain Source Imaging with Graph Regularization. 2017 , 495-504	5
626	Image representation based PCA feature for image classification. 2017 ,	
625	Target detection in hyperspectral images using basic thresholding classifier. 2017 ,	
624	Missing Data Recovery for High-Dimensional Signals With Nonlinear Low-Dimensional Structures. 2017 , 65, 5421-5436	19
623	A sparse representation-based method for parcellation of the resting brain and its application to treatment-resistant major depressive disorder. 2017 , 290, 57-68	5
622	Superpixel-based feature learning for joint sparse representation of hyperspectral images. 2017 ,	3
621	. 2017 ,	1
620	Effect of anti-sparse prior on PAPR performance analysis. 2017 ,	
619	Visual comfort assessment for stereoscopic images based on sparse coding with multi-scale dictionaries. 2017 , 252, 77-86	8
618	Multi-Hypergraph Consistent Sparse Coding. 2017 , 8, 1-25	2
617	Dominant trend based logistic regression for fault diagnosis in nonstationary processes. 2017 , 66, 156-168	22
616	Discriminant Analysis of Hyperspectral Imagery Using Fast Kernel Sparse and Low-Rank Graph. 2017 , 55, 6085-6098	24

615	. 2017 , 55, 6547-6565	149
614	Projective Representation Learning for Discriminative Face Recognition. 2017 , 3-15	
613	A pinger localization algorithm using sparse representation for autonomous underwater vehicles. 2017 ,	1
612	Mixture of Matrix Normal Distributions for Color Image Inpainting. 2017 , 95-104	2
611	Deep Learning Based Face Recognition with Sparse Representation Classification. 2017 , 665-674	7
610	Group-wise sparse representation of resting-state fMRI data for better understanding of schizophrenia. 2017 ,	1
609	Pan-sharpening based on sparse representation. 2017 ,	
608	A two-phase representation based face recognition method with Random-filtering Virtual samples. 2017 ,	1
607	A new outlier detection method based on anti-sparse representations. 2017 ,	2
606	Low-rank double dictionary learning from corrupted data for robust image classification. 2017 , 72, 419-432	16
605	Photographic Appearance Enhancement via Detail-Based Dictionary Learning. 2017 , 32, 417-429	1
604	Fiberprint: A subject fingerprint based on sparse code pooling for white matter fiber analysis. 2017 , 158, 242-259	21
603	Sparse embedded dictionary learning on face recognition. 2017 , 64, 51-59	31
602	Robotic Room-Level Localization Using Multiple Sets of Sonar Measurements. 2017 , 66, 2-13	58
601	Histopathological Image Classification With Color Pattern Random Binary Hashing-Based PCANet and Matrix-Form Classifier. 2017 , 21, 1327-1337	48
600	Multiple Kernel Sparse Representation for Airborne LiDAR Data Classification. 2017 , 55, 1085-1105	21
599	Segmentation of Fetal Left Ventricle in Echocardiographic Sequences Based on Dynamic Convolutional Neural Networks. 2017 , 64, 1886-1895	44
598	Exploring Structural Consistency in Graph Regularized Joint Spectral-Spatial Sparse Coding for Hyperspectral Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017 , 10, 1151-1164	4.7 4

597	Hyperspectral image reconstruction by deep convolutional neural network for classification. 2017 , 63, 371-383		166
596	Toward situation awareness: a survey on adaptive learning for model-free tracking. <i>Multimedia Tools and Applications</i> , 2017 , 76, 21073-21115	2.5	6
595	Kernel Regularized Data Uncertainty for Action Recognition. 2017 , 27, 577-588		5
594	Elastic Net Hypergraph Learning for Image Clustering and Semi-Supervised Classification. 2017 , 26, 452-463		42
593	LAP: a bio-inspired local image structure descriptor and its applications. <i>Multimedia Tools and Applications</i> , 2017 , 76, 13973-13993	2.5	3
592	Discriminative sparse flexible manifold embedding with novel graph for robust visual representation and label propagation. 2017 , 61, 492-510		40
591	Accurate classification of brain gliomas by discriminate dictionary learning based on projective dictionary pair learning of proton magnetic resonance spectra. 2017 , 55, 318-322		4
590	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017 , 10, 1136-1150	4.7	17
589	Brain Atlas Fusion from High-Thickness Diagnostic Magnetic Resonance Images by Learning-Based Super-Resolution. 2017 , 63, 531-541		17
588	Bimodal biometric system for hand shape and palmprint recognition based on SIFT sparse representation. <i>Multimedia Tools and Applications</i> , 2017 , 76, 20457-20482	2.5	22
587	Sparse Representation-Based Open Set Recognition. 2017 , 39, 1690-1696		58
586	Adaptive maximum margin analysis for image recognition. 2017 , 61, 339-347		7
585	A New Discriminative Sparse Representation Method for Robust Face Recognition via ℓ_1 Regularization. 2017 , 28, 2233-2242		118
584	Image Fusion for Mars Data Using Mix of Robust PCA. 2017 , 31, 1754002		3
583	Optimal Couple Projections for Domain Adaptive Sparse Representation-Based Classification. 2017 , 26, 5922-5935		12
582	Person Re-Identification by Weighted Integration of Sparse and Collaborative Representation. <i>IEEE Access</i> , 2017 , 5, 21632-21639	3.5	11
581	Graph Regularized EEG Source Imaging with In-Class Consistency and Out-Class Discrimination. 2017 , 3, 378-391		13
580	ADMM penalty parameter selection with krylov subspace recycling technique for sparse coding. 2017 ,		2

579	Adaptive Class Preserving Representation for Image Classification. 2017,	6
578	Fast recovery of non-negative sparse signals under heterogeneous noise. 2017,	1
577	Robust Kronecker-Decomposable Component Analysis for Low-Rank Modeling. 2017,	6
576	FFTLasso: Large-Scale LASSO in the Fourier Domain. 2017,	1
575	Linear Models. 2017, 3-44	
574	Nonlinear Models. 2017, 45-54	
573	Nonlinear kernel sparse dictionary selection for video summarization. 2017,	4
572	Face recognition using extended generalized Rayleigh quotient. 2017,	3
571	Robust face recognition based on iterative sparse coding and pixel selection. 2017,	1
570	Learning Doubly Stochastic Affinity Matrix via Davis-Kahan Theorem. 2017,	
569	Latent fingerprint enhancement using Gabor and minutia dictionaries. 2017,	2
568	A novel approach to cloth classification through deep neural networks. 2017,	1
567	Detection of lung nodules on temporal subtraction images Using 3D sparse coding. 2017,	
566	Collaborative Representation-based Classification Method Using Weighted Multi-scale LBP for Image Recognition. 2017,	
565	Image Fusion for Spatial Enhancement of Hyperspectral Image via Pixel Group Based Non-Local Sparse Representation. 2017, 9, 53	15
564	Discriminative Sparse Representation for Hyperspectral Image Classification: A Semi-Supervised Perspective. 2017, 9, 386	15
563	Hyperspectral Dimensionality Reduction by Tensor Sparse and Low-Rank Graph-Based Discriminant Analysis. 2017, 9, 452	34
562	Non-Convex Sparse and Low-Rank Based Robust Subspace Segmentation for Data Mining. 2017, 17,	15

561	Machine Learning Methods for Social Signal Processing. 234-254	4
560	Fault Detection and Diagnosis in Chemical Processes Using Sparse Principal Component Selection. 2017 , 50, 31-44	6
559	Network Intrusion Detection through Discriminative Feature Selection by Using Sparse Logistic Regression. 2017 , 9, 81	12
558	Orthogonal Procrustes Analysis for Dictionary Learning in Sparse Linear Representation. 2017 , 12, e0169663	10
557	Handling of Feature Space Complexity for Texture Analysis in Medical Images. 2017 , 163-191	2
556	Research on abnormal behavior target tracking algorithm in airport intelligent video surveillance. 2017 ,	1
555	Sound monitoring method based on wavelets and sparse representation classifier. 2017 ,	
554	Sparse representation-based archetypal graphs for spectral clustering. 2017 ,	1
553	A hybrid sparsity and constrained energy minimization detector for hyperspectral images. 2017 ,	1
552	Graph regularized tensor sparse coding for image representation. 2017 ,	1
551	NoGOA: predicting noisy GO annotations using evidences and sparse representation. 2017 , 18, 350	8
550	. 2017 ,	1
549	Learning a Class-specific and Shared Dictionary for Classifying Surface Defects of Steel Sheet. 2017 , 57, 123-130	4
548	Compressive representation based pattern analysis for correlation image. 2018 , 9, 359-370	
547	A Systematic Review of Compressive Sensing: Concepts, Implementations and Applications. <i>IEEE Access</i> , 2018 , 6, 4875-4894	3.5 177
546	Anatomy-guided joint tissue segmentation and topological correction for 6-month infant brain MRI with risk of autism. 2018 , 39, 2609-2623	13
545	Implication of the cluster analysis using greenhouse gas emissions of Asian countries to climate change mitigation. 2018 , 23, 1225-1249	6
544	Tensor Sparse Representation for 3-D Medical Image Fusion Using Weighted Average Rule. 2018 , 65, 2622-2633	28

543	Decoding Auditory Saliency from Brain Activity Patterns during Free Listening to Naturalistic Audio Excerpts. 2018 , 16, 309-324	12
542	Flexible semi-supervised embedding based on adaptive loss regression: Application to image categorization. 2018 , 444, 1-19	5
541	Parametric active contour based on sparse decomposition for multi-objects extraction. 2018 , 148, 314-321	13
540	Multimodal image fusion using sparse representation classification in tetrolet domain. 2018 , 79, 9-22	34
539	Robust front-end for audio, visual and audiovisual speech classification. 2018 , 21, 293-307	2
538	Weighted Feature Space Representation with Kernel for Image Classification. 2018 , 43, 7113-7125	4
537	Analysis of single- and dual-dictionary strategies in pedestrian classification. 2018 , 21, 655-670	1
536	Computing medial axis transformations of 2D point clouds. 2018 , 97, 50-63	4
535	Evidence for sparse synergies in grasping actions. 2018 , 8, 616	12
534	Localized LRR on Grassmann Manifold: An Extrinsic View. 2018 , 28, 2524-2536	8
533	Semantic Neighbor Graph Hashing for Multimodal Retrieval. 2018 , 27, 1405-1417	26
532	Learning Common and Feature-Specific Patterns: A Novel Multiple-Sparse-Representation-Based Tracker. 2018 , 27, 2022-2037	179
531	Exploiting Spatial-Temporal Locality of Tracking via Structured Dictionary Learning. 2018 , 27, 1282-1296	16
530	A tensor-based adaptive subspace detector for hyperspectral anomaly detection. 2018 , 39, 2366-2382	14
529	An Image Processing Approach to Machine Fault Diagnosis Based on Visual Words Representation. 2018 , 19, 42-49	7
528	Concatenated and Connected Random Forests With Multiscale Patch Driven Active Contour Model for Automated Brain Tumor Segmentation of MR Images. 2018 , 37, 1943-1954	81
527	Discriminative Structured Dictionary Learning on Grassmann Manifolds and Its Application on Image Restoration. 2018 , 48, 2875-2886	8
526	Learning a collaborative multiscale dictionary based on robust empirical mode decomposition. 2018 , 287, 196-207	2

525	Two collaborative filtering recommender systems based on sparse dictionary coding. 2018 , 57, 709-720		1
524	Learning Multiscale Deep Features for High-Resolution Satellite Image Scene Classification. 2018 , 56, 117-126		100
523	Leveraging spectral sparsity to realize enhanced separation of gas-phase ion populations. 2018 , 427, 141-150		5
522	Root-transformation based multiplicative denoising model and its statistical analysis. 2018 , 275, 2666-2680		6
521	Two-phase linear reconstruction measure-based classification for face recognition. 2018 , 433-434, 17-36		25
520	Big data analytics enabled by feature extraction based on partial independence. 2018 , 288, 3-10		29
519	DL-CHI: a dictionary learning-based contemporaneous health index for degenerative disease monitoring. <i>Eurasip Journal on Advances in Signal Processing</i> , 2018 , 2018,	1.9	2
518	Globally Variance-Constrained Sparse Representation and Its Application in Image Set Coding. 2018 , 27, 3753-3765		6
517	Split Bregman Algorithm for Structured Sparse Reconstruction. <i>IEEE Access</i> , 2018 , 6, 21560-21569	3.5	4
516	Sparse Representation for Wireless Communications: A Compressive Sensing Approach. 2018 , 35, 40-58		101
515	Joint Sparse Representation Model for Multi-Channel Image Based on Reduced Geometric Algebra. <i>IEEE Access</i> , 2018 , 6, 24213-24223	3.5	20
514	New semi-supervised classification using a multi-modal feature joint L21-norm based sparse representation. 2018 , 65, 94-106		3
513	Image reconstruction by domain-transform manifold learning. 2018 , 555, 487-492		695
512	A modified discriminant sparse representation method for face recognition. 2018 ,		5
511	Multi-Modality Sparse Representation for Alzheimer's Disease Classification. 2018 , 65, 807-817		5
510	Bi-dimensional Empirical Mode Decomposition and Nonconvex Penalty Minimization L _q (q = 0.5) Regular Sparse Representation-based Classification for Image Recognition. 2018 , 28, 59-70		4
509	Graph embedding techniques, applications, and performance: A survey. 2018 , 151, 78-94		675
508	Synergizing Appearance and Motion With Low Rank Representation for Vehicle Counting and Traffic Flow Analysis. 2018 , 19, 2675-2685		15

507	Multifeature, Sparse-Based Approach for Defects Detection and Classification in Semiconductor Units. 2018 , 15, 145-159		25
506	Connections Between Nuclear-Norm and Frobenius-Norm-Based Representations. 2018 , 29, 218-224		100
505	Towards Robust and Accurate Multi-View and Partially-Occluded Face Alignment. 2018 , 40, 987-1001		23
504	Correlation Filter Learning Toward Peak Strength for Visual Tracking. 2018 , 48, 1290-1303		33
503	Individualized Prediction of Reading Comprehension Ability Using Gray Matter Volume. 2018 , 28, 1656-1672		41
502	A hybrid encryption/hiding method for secure transmission of biometric data in multimodal authentication system. <i>Multimedia Tools and Applications</i> , 2018 , 77, 2485-2503	2.5	17
501	Multi-Dimensional Sparse Models. 2018 , 40, 163-178		32
500	Nonlinear dictionary learning with application to image classification. 2018 , 75, 282-291		28
499	Fuzzy Double C-Means Clustering Based on Sparse Self-Representation. 2018 , 26, 612-626		45
498	Extendable supervised dictionary learning for exploring diverse and concurrent brain activities in task-based fMRI. 2018 , 12, 743-757		10
497	Functional brain networks reconstruction using group sparsity-regularized learning. 2018 , 12, 758-770		2
496	Anchored Neighborhood Index for Face Sketch Synthesis. 2018 , 28, 2154-2163		50
495	RankMap: A Framework for Distributed Learning From Dense Data Sets. 2018 , 29, 2717-2730		1
494	Sparse representation based multi-sensor image fusion for multi-focus and multi-modality images: A review. 2018 , 40, 57-75		197
493	Estimation of white matter fiber parameters from compressed multiresolution diffusion MRI using sparse Bayesian learning. 2018 , 167, 488-503		6
492	Ensemble classification method for structural damage assessment under varying temperature. 2018 , 17, 747-762		27
491	Face recognition based on symmetrical virtual image and original training image. 2018 , 65, 367-380		8
490	Cone-based joint sparse modelling for hyperspectral image classification. 2018 , 144, 417-429		9

489	Evaluating functional connectivity of executive control network and frontoparietal network in Alzheimer's disease. 2018 , 1678, 262-272		33
488	Pseudo-full-space representation based classification for robust face recognition. 2018 , 60, 64-78		8
487	A Universal Image Steganalysis System Based On Double Sparse Representation Classification (DSRC). <i>Multimedia Tools and Applications</i> , 2018 , 77, 16347-16366	2.5	1
486	Random subspace based ensemble sparse representation. 2018 , 74, 544-555		17
485	Detection and Separation of Smoke From Single Image Frames. 2018 , 27, 1164-1177		30
484	An integrated optimisation algorithm for feature extraction, dictionary learning and classification. 2018 , 275, 2740-2751		4
483	Improved hypergraph regularized Nonnegative Matrix Factorization with sparse representation. 2018 , 102, 8-14		10
482	Visual Tracking via Subspace Learning: A Discriminative Approach. 2018 , 126, 515-536		17
481	Random sampling for fast face sketch synthesis. 2018 , 76, 215-227		82
480	Robust Adaptive Embedded Label Propagation With Weight Learning for Inductive Classification. 2018 , 29, 3388-3403		32
479	Anthropomorphism in social robotics: empirical results on humanRobot interaction in hybrid production workplaces. 2018 , 33, 413-424		20
478	Combating the class imbalance problem in sparse representation learning. 2018 , 35, 1865-1874		1
477	Construction of Measurement Matrix Based on Cyclic Direct Product and QR Decomposition for Sensing and Reconstruction of Underwater Echo. 2018 , 8, 2510		1
476	Hierarchical Dictionary Learning and Sparse Coding for Static Signature Verification. 2018 ,		10
475	Data Driven Convolutional Sparse Coding for Visual Recognition. 2018 ,		2
474	A New Two-Phase Classifier for Face Recognition. 2018 ,		
473	Linear Discriminative Sparsity Preserving Projections for Dimensionality Reduction. 2018 ,		1
472	Robust Projective Low-Rank and Sparse Representation by Robust Dictionary Learning. 2018 ,		5

471	Performance Analysis on Knee Point Selection Methods for Multi-Objective Sparse Optimization Problems. 2018,	7
470	Sparse Inverse Covariance Estimation for Chordal Structures. 2018,	
469	Robust Spectral Clustering via Sparse Representation. 2018,	3
468	A Novel Technique for Image Super Resolution Based on Sparse Representations and Compact Entity Extraction. 2018,	
467	GWTM and Crow Search Algorithm for Face Recognition in Low-Resolution Images. 2018,	2
466	2D Gabor-Based Sparse Representation Classification for Hyperspectral Imagery. 2018,	1
465	Sparse Three-Parameter Restricted Indian Buffet Process for Understanding International Trade. 2018,	1
464	Dict Layer: A Structured Dictionary Layer. 2018,	2
463	Discriminative Collaborative Representation and Its Application to Audio Signal Classification. 2018	1
462	No Reference Evaluation in Super-Resolution for CCTV Footage. 2018,	0
461	Perturbations of Compressed Data Separation With Redundant Tight Frames. <i>IEEE Access</i> , 2018 , 6, 35844-35856	3
460	Novel Variational Approach for Generalized Signal Dependent Noise Removal. 2018,	0
459	Dissociating Group and Individual Profile of Functional Connectivity Using Low Rank Matrix Recovery. 2018 , 646-654	
458	Data analysis with arbitrary error measures approximated by piece-wise quadratic PQSQ functions. 2018,	2
457	Overlapping Animal Sound Classification Using Sparse Representation. 2018,	1
456	Hyperspectral Face Recognition with Patch-Based Low Rank Tensor Decomposition and PFFT Algorithm. 2018 , 10, 714	1
455	Robust and Flexible Graph-based Semi-supervised Embedding. 2018,	0
454	AF detection from ECG recordings using feature selection, sparse coding, and ensemble learning. 2018 , 39, 124007	18

453	Linear representation of intra-class discriminant features for small-sample face recognition. 2018 , 2018, 1668-1673		
452	Unsupervised Band Selection of Hyperspectral Images via Multi-Dictionary Sparse Representation. <i>IEEE Access</i> , 2018 , 6, 71632-71643	3.5	13
451	Cauchy Matching Pursuit for Robust Sparse Representation and Classification. 2018 ,		
450	Dimensionality Reduction Using Sparse Locality Preserving Projections and Its Application in Face Recognition. 2018 ,		
449	. 2018 , 6, 10-43		185
448	Improved over-sampling techniques based on sparse representation for imbalance problem. 2018 , 22, 939-958		3
447	Sparse Representation Wavelet Based Classification. 2018 ,		4
446	On the role of sparsity in feature selection and an innovative method LRMI. 2018 , 321, 237-250		
445	Efficient dense matrix-vector multiplication on GPU. 2018 , 30, e4705		10
444	Visual Object Tracking Using Structured Sparse PCA-Based Appearance Representation and Online Learning. 2018 , 18,		3
443	Hyperspectral Imagery Denoising via Reweighed Sparse Low-Rank Nonnegative Tensor Factorization. 2018 ,		3
442	SNMDA: A novel method for predicting microRNA-disease associations based on sparse neighbourhood. 2018 , 22, 5109-5120		9
441	Data Recovery and Subspace Clustering From Quantized and Corrupted Measurements. 2018 , 12, 1547-1560		1
440	Bi-sparsity pursuit: A paradigm for robust subspace recovery. 2018 , 152, 148-159		3
439	Graph autoencoder-based unsupervised feature selection with broad and local data structure preservation. 2018 , 312, 310-323		24
438	Pattern Synthesis for Sparse Arrays by Compressed Sensing and Low-Rank Matrix Recovery Methods. 2018 , 2018, 1-11		4
437	Sparse Range-Constrained Learning and Its Application for Medical Image Grading. 2018 , 37, 2729-2738		10
436	Manifold Adaptive Kernelized Low-Rank Representation for Semisupervised Image Classification. 2018 , 2018, 1-11		1

435	Discriminative face recognition via kernel sparse representation. <i>Multimedia Tools and Applications</i> , 2018 , 77, 32243-32256	2.5	9
434	Band Dual Density Discrimination Analysis for Hyperspectral Image Classification. 2018 , 56, 7257-7271		11
433	Bridgeout: Stochastic Bridge Regularization for Deep Neural Networks. <i>IEEE Access</i> , 2018 , 6, 42961-42970	5	6
432	A NSP-based dictionary learning for image fusion. 2018 ,		
431	Semi-supervised two phase test sample sparse representation classifier. 2018 , 160, 16-27		2
430	Multicompartment Magnetic Resonance Fingerprinting. 2018 , 34,		21
429	A Dictionary Learning Approach for Signal Sampling in Task-Based fMRI for Reduction of Big Data. 2018 , 12, 17		4
428	A Robust Sparse Representation Based Pattern Recognition Approach for Myoelectric Control. <i>IEEE Access</i> , 2018 , 6, 38326-38335	3.5	34
427	Enhanced Sparse Representation-Based Device-Free Localization with Radio Tomography Networks. 2018 , 7, 7		15
426	SAR Image Recognition with Monogenic Scale Selection-Based Weighted Multi-task Joint Sparse Representation. 2018 , 10, 504		8
425	Fast Sparse Coding for Range Data Denoising with Sparse Ridges Constraint. 2018 , 18,		4
424	Neuromorphic Computing Using Memristor Crossbar Networks: A Focus on Bio-Inspired Approaches. 2018 , 12, 6-18		27
423	. <i>IEEE Access</i> , 2018 , 6, 38179-38185	3.5	18
422	Low rank matrix completion using truncated nuclear norm and sparse regularizer. 2018 , 68, 76-87		8
421	Experimental validation of a deep neural network sparse representation classification ensemble method. 2018 , 27, e1504		5
420	Contour-Seed Pairs Learning-Based Framework for Simultaneously Detecting and Segmenting Various Overlapping Cells/Nuclei in Microscopy Images. 2018 , 27, 5759-5774		22
419	Multi-level learning features for automatic classification of field crop pests. 2018 , 152, 233-241		48
418	Discrimination of Medicine Radix Astragali from Different Geographic Origins Using Multiple Spectroscopies Combined with Data Fusion Methods. 2018 , 85, 313-319		5

417	Robust classification with available virtual samples and grouped sparse representation strategy in face recognition. 2018 , 65, 2209-2219	
416	Speckle Reduction on Ultrasound Liver Images Based on a Sparse Representation over a Learned Dictionary. 2018 , 8, 903	5
415	Short Time Modified Hilbert Transform-Aided Sparse Representation for Sensing of Overhead Line Insulator Contamination. 2018 , 18, 8125-8132	23
414	First- and Second-Order Methods for Online Convolutional Dictionary Learning. 2018 , 11, 1589-1628	16
413	Human motion segmentation using collaborative representations of 3D skeletal sequences. 2018 , 12, 434-442	8
412	An Automatic Dictionary Construction Framework for Sparsity-Based Hyperspectral Target Detectors. 2018 , 15, 1264-1268	2
411	Fast concrete crack detection method via L2 sparse representation. 2018 , 54, 752-754	7
410	A Pareto-Based Sparse Subspace Learning Framework. 2019 , 49, 3859-3872	5
409	Low-rank and sparse matrix decomposition via the truncated nuclear norm and a sparse regularizer. 2019 , 35, 1549-1566	17
408	Flexible Affinity Matrix Learning for Unsupervised and Semisupervised Classification. 2019 , 30, 1133-1149	23
407	Visual Tracking via Dynamic Graph Learning. 2019 , 41, 2770-2782	30
406	An alternative to face image representation and classification. 2019 , 10, 1581-1589	7
405	Indoor Positioning Algorithm Fusing Multi-Source Information. 2019 , 109, 2541-2560	3
404	Joint Structured Graph Learning and Unsupervised Feature Selection. 2019 ,	1
403	Network representation learning: models, methods and applications. 2019 , 1, 1	4
402	Weed Recognition in Wheat Field Based on Sparse Representation Classification. 2019 , 511-519	
401	A Survey on Different Multimodal Medical Image Fusion Techniques and Methods. 2019 ,	4
400	Semantic Super-resolution for Extremely Low-resolution Vehicle License Plate. 2019 ,	1

399	Differential Privacy-Preserving Density Peaks Clustering Based on Shared Near Neighbors Similarity. <i>IEEE Access</i> , 2019 , 7, 89427-89440	3.5	5
398	. 2019 ,		2
397	Handgun Detection in Single-Spectrum Multiple X-ray Views Based on 3D Object Recognition. 2019 , 38, 1		6
396	Kernel nearest-farthest subspace classifier for face recognition. <i>Multimedia Tools and Applications</i> , 2019 , 78, 32007-32021	2.5	1
395	Dissociating individual connectome traits using low-rank learning. 2019 , 1722, 146348		2
394	Sparse subspace clustering via Low-Rank structure propagation. 2019 , 95, 261-271		11
393	A Neuromorphic-Hardware Oriented Bio-Plausible Online-Learning Spiking Neural Network Model. <i>IEEE Access</i> , 2019 , 7, 71730-71740	3.5	10
392	Sparse representation of 3D images for piecewise dimensionality reduction with high quality reconstruction. 2019 , 1-2, 100001		
391	Statistical HOG on Multi-temporal Depth Motion Maps Approach for Human Action Recognition. 2019 ,		
390	Prediction of the chlorophyll content in pomegranate leaves based on digital image processing technology and stacked sparse autoencoder. 2019 , 22, 1720-1732		3
389	Multi-SVM based Dempster-Shafer theory for gesture intention understanding using sparse coding feature. 2019 , 85, 105787		7
388	A Text Categorization Method Using Graph Convolutional Network based on Sparse Representation. 2019 ,		0
387	Class-Oriented Discriminative Dictionary Learning for Image Classification. 2019 , 1-1		5
386	Slice-Based Online Convolutional Dictionary Learning. 2021 , 51, 5116-5129		2
385	Dictionary Learning for Adaptive GPR Landmine Classification. 2019 , 57, 10036-10055		14
384	A Hardware-Efficient Recognition Accelerator Using Haar-Like Feature and SVM Classifier. <i>IEEE Access</i> , 2019 , 7, 14472-14487	3.5	12
383	Bayesian rank penalization. 2019 , 116, 246-256		3
382	Online Non-Negative Multi-Modality Feature Template Learning for RGB-Assisted Infrared Tracking. <i>IEEE Access</i> , 2019 , 7, 67761-67771	3.5	19

381	Graph Learning Via Edge Constrained Sparse Representation for Image Analysis. <i>IEEE Access</i> , 2019 , 7, 42408-42417	3.5	2
380	A Survey on Deep Learning-Driven Remote Sensing Image Scene Understanding: Scene Classification, Scene Retrieval and Scene-Guided Object Detection. 2019 , 9, 2110		60
379	Boosting sparsity-induced autoencoder: A novel sparse feature ensemble learning for image classification. 2019 , 16, 172988141985347		1
378	White matter fiber analysis using kernel dictionary learning and sparsity priors. 2019 , 95, 83-95		4
377	Nonlinear Subspace Clustering via Adaptive Graph Regularized Autoencoder. <i>IEEE Access</i> , 2019 , 7, 741223741337		35
376	Collaborative Representation Using Non-Negative Samples for Image Classification. 2019 , 19,		7
375	Video smoke separation and detection via sparse representation. 2019 , 360, 61-74		2
374	Adaptive sparse coding based on memristive neural network with applications. 2019 , 13, 475-488		12
373	SAR Automatic Target Recognition Based on Attribute Scattering Center Model and Discriminative Dictionary Learning. 2019 , 19, 4598-4611		11
372	Disambiguating Conflicting Classification Results in AVSR. 2019 , 55-80		0
371	Graph-structured multitask sparsity model for visual tracking. 2019 , 486, 133-147		10
370	Investigating executive control network and default mode network dysfunction in major depressive disorder. 2019 , 701, 154-161		12
369	Multivector Sparse Representation for Multispectral Images Using Geometric Algebra. <i>IEEE Access</i> , 2019 , 7, 12755-12767	3.5	11
368	Sparsity augmented discriminative sparse representation for face recognition. 2019 , 22, 1527-1535		14
367	3D human action analysis and recognition through GLAC descriptor on 2D motion and static posture images. <i>Multimedia Tools and Applications</i> , 2019 , 78, 21085-21111	2.5	13
366	A Transform Domain Implementation of Sparse Representation Method for Robust Face Recognition. 2019 , 38, 4302-4313		1
365	On the use of joint sparse representation for image fusion quality evaluation and analysis. 2019 , 61, 225-235		8
364	Human action recognition using MHI and SHI based GLAC features and Collaborative Representation Classifier. 2019 , 36, 3385-3401		11

363	Weighted samples based semi-supervised classification. 2019 , 79, 46-58	9
362	Image super-resolution for heterogeneous embedded smart devices and displays in smart global village. 2019 , 47, 101496	3
361	Robust multi-model adaptation regression with local feature space representation. 2019 , 174, 160-176	
360	Enhanced sparse representation classifier for text classification. 2019 , 129, 260-272	12
359	. 2019 , 1, 68-81	16
358	Exploiting the Anisotropy of Correlation Filter Learning for Visual Tracking. 2019 , 127, 1084-1105	8
357	PAN-Guided Cross-Resolution Projection for Local Adaptive Sparse Representation- Based Pansharpening. 2019 , 57, 4938-4950	17
356	Learning Modality-Consistency Feature Templates: A Robust RGB-Infrared Tracking System. 2019 , 66, 9887-9897	72
355	Hybrid Dictionary Learning and Matching for Video-based Face Verification. 2019 ,	0
354	Privacy-Constrained Biometric System for Non-Cooperative Users. <i>Entropy</i> , 2019 , 21, 1033	2.8 1
353	Sparse Representation On Single Image. 2019 ,	
352	Semi-Coupled Convolutional Sparse Learning for Image Super-Resolution. 2019 , 11, 2593	1
351	Sparse Representation Face Recognition Based on Gabor and CSLDP Feature Fusion. 2019 ,	3
350	Improving Human Action Recognition Using Hierarchical Features And Multiple Classifier Ensembles. 2019 ,	6
349	LOSoft: ℓ_0 Minimization via Soft Thresholding. 2019 ,	
348	Hybrid optimisation algorithm and its application for pattern synthesis of planar arrays. 2019 , 2019, 6612-6615	1
347	UAV-based Traffic Flow Estimation and Analysis. 2019 ,	
346	Nonnegative Constrained Graph Based Canonical Correlation Analysis for Multi-view Feature Learning. 2019 , 50, 1215-1240	6

345	E-ENDPP: a safe feature selection rule for speeding up Elastic Net. 2019 , 49, 592-604	2
344	Laplacian-Regularized Low-Rank Subspace Clustering for Hyperspectral Image Band Selection. 2019 , 57, 1723-1740	69
343	Multimode process monitoring based on robust dictionary learning with application to aluminium electrolysis process. 2019 , 332, 305-319	28
342	Kernel cross-view collaborative representation based classification for person re-identification. 2019 , 58, 304-315	10
341	Hierarchical Gaussian descriptor based on local pooling for action recognition. 2019 , 30, 321-343	3
340	Collaborative representation with k-nearest classes for classification. 2019 , 117, 30-36	13
339	Robust Kronecker Component Analysis. 2019 , 41, 2365-2379	8
338	Collaborative representation based face classification exploiting block weighted LBP and analysis dictionary learning. 2019 , 88, 127-138	20
337	Evolutionary Multitasking Sparse Reconstruction: Framework and Case Study. 2019 , 23, 733-747	33
336	Sparse Signal Recovery via Generalized Entropy Functions Minimization. 2019 , 67, 1322-1337	22
335	Sparse Representation in Wireless Networks. 2019 , 9-20	
334	A review of image set classification. 2019 , 335, 251-260	18
333	Fast Single-Image Super-Resolution via Deep Network With Component Learning. 2019 , 29, 3473-3486	21
332	Conic optimization for control, energy systems, and machine learning: Applications and algorithms. 2019 , 47, 323-340	2
331	Weighted locality collaborative representation based on sparse subspace. 2019 , 58, 187-194	25
330	Sparse One-Grab Sampling with Probabilistic Guarantees. 2019 , 41, 3057-3070	
329	Joint collaborative representation algorithm for face recognition. 2019 , 75, 2304-2314	2
328	Fusion linear representation-based classification. 2019 , 23, 1891-1899	1

327	Dynamically building diversified classifier pruning ensembles via canonical correlation analysis. <i>Multimedia Tools and Applications</i> , 2019 , 78, 271-288	2.5	
326	Infrared and visible image fusion methods and applications: A survey. 2019 , 45, 153-178		463
325	Sharp sufficient conditions for stable recovery of block sparse signals by block orthogonal matching pursuit. 2019 , 47, 948-974		35
324	Deep neural network based hybrid approach for software defect prediction using software metrics. 2019 , 22, 9847-9863		54
323	Learning Robust Weighted Group Sparse Graph for Discriminant Visual Analysis. 2019 , 49, 203-226		6
322	Robust collaborative representation-based classification via regularization of truncated total least squares. 2019 , 31, 5689-5697		10
321	Online object tracking by sparse and structural model. 2019 , 22, 2801-2808		
320	RETRACTED ARTICLE: Research on big data feature analysis based on kernel discriminant analysis and neural network. <i>Multimedia Tools and Applications</i> , 2020 , 79, 9685-9685	2.5	2
319	A Subspace Learning Approach to Multishot Person Reidentification. 2020 , 50, 149-158		6
318	Modality-correlation-aware sparse representation for RGB-infrared object tracking. 2020 , 130, 12-20		55
317	Sparse Supervised Representation-Based Classifier for Uncontrolled and Imbalanced Classification. 2020 , 31, 2847-2856		13
316	A comprehensive overview of feature representation for biometric recognition. <i>Multimedia Tools and Applications</i> , 2020 , 79, 4867-4890	2.5	26
315	PCAPool: unsupervised feature learning for face recognition using PCA, LBP, and pyramid pooling. 2020 , 23, 673-682		8
314	Unsupervised Video Matting via Sparse and Low-Rank Representation. 2020 , 42, 1501-1514		5
313	Driver Monitoring Using Sparse Representation With Part-Based Temporal Face Descriptors. 2020 , 21, 346-361		18
312	A New Method for Railway Fastener Detection Using the Symmetrical Image and Its EA-HOG Feature. 2020 , 34, 2055006		
311	Discovering and characterizing dynamic functional brain networks in task FMRI. 2020 , 14, 1660-1673		
310	On Multi-Layer Basis Pursuit, Efficient Algorithms and Convolutional Neural Networks. 2020 , 42, 1968-1980		26

309	Optimal Discriminative Projection for Sparse Representation-Based Classification via Bilevel Optimization. 2020 , 30, 1065-1077	8	
308	Embedded conformal deep low-rank auto-encoder network for matrix recovery. 2020 , 132, 38-45	1	
307	Discriminative Face Recognition Methods with Structure and Label Information via (L_2)-Norm Regularization. 2020 , 51, 639-655	3	
306	Low-rank matrix decomposition method for potential field data separation. 2020 , 85, G1-G16	1	
305	A splitting method for the locality regularized semi-supervised subspace clustering. 2020 , 69, 1069-1096	1	
304	Sparse and collaborative representation based kernel pairwise linear regression for image set classification. 2020 , 140, 112886	12	
303	Joint Subspace Recovery and Enhanced Locality Driven Robust Flexible Discriminative Dictionary Learning. 2020 , 30, 2430-2446	18	
302	A review on video-based active and assisted living technologies for automated lifelogging. 2020 , 139, 112847	18	
301	Efficient human motion recovery using bidirectional attention network. 2020 , 32, 10127-10142	3	
300	Single image super resolution using dictionary learning and sparse coding with multi-scale and multi-directional Gabor feature representation. 2020 , 512, 1264-1278	12	
299	A System for Efficient 3D Printed Stop-motion Face Animation. 2020 , 39, 1-11	4	
298	Classify multi-label images via improved CNN model with adversarial network. <i>Multimedia Tools and Applications</i> , 2020 , 79, 6871-6890	2.5	5
297	Parameter self-tuning schemes for the two phase test sample sparse representation classifier. 2020 , 11, 1387-1403		
296	Realizing Data Features by Deep Nets. 2020 , 31, 4036-4048	4	
295	Robust ECG biometrics using GNMF and sparse representation. 2020 , 129, 70-76	17	
294	Fast kernel sparse representation based classification for Undersampling problem in face recognition. <i>Multimedia Tools and Applications</i> , 2020 , 79, 7319-7337	2.5	6
293	Adaptive sparse and dense hybrid representation with nonconvex optimization. 2020 , 14, 1		
292	Towards perceptual image fusion: A novel two-layer framework. 2020 , 57, 102-114	10	

291	Proposing a sparse representational based face verification system to run in a shortage of memory. <i>Multimedia Tools and Applications</i> , 2020 , 79, 2965-2985	2.5	0
290	Robust PCA Using Nonconvex Rank Approximation and Sparse Regularizer. 2020 , 39, 3086-3104		2
289	ELM embedded discriminative dictionary learning for image classification. 2020 , 123, 331-342		8
288	Exsavi: Excavating both sample-wise and view-wise relationships to boost multi-view subspace clustering. 2020 , 418, 66-78		3
287	Sparse representation and dictionary learning model incorporating group sparsity and incoherence to extract abnormal brain regions associated with schizophrenia. <i>IEEE Access</i> , 2020 , 8, 104396-104406	3.5	0
286	Two-stage knowledge transfer framework for image classification. 2020 , 107, 107529		14
285	Graph regularization-based joint nonnegative representation for the classification of hyperspectral images. 2020 , 41, 9418-9446		1
284	An Overview of Multimodal Biometrics Using the Face and Ear. 2020 , 2020, 1-17		4
283	Adaptive sparse group LASSO in quantile regression. 2020 , 15, 547		1
282	Magnetostatic Active Contour Model with Classification Method of Sparse Representation. 2020 , 2020, 1-10		1
281	Spatially localized sparse representations for breast lesion characterization. 2020 , 123, 103914		
280	DMRAE: discriminative manifold regularized auto-encoder for sparse and robust feature learning. 2020 , 9, 263-274		3
279	LGSLRR: Towards fusing discriminative ordinal local and global structured low-rank representation for image recognition. 2020 , 539, 522-535		3
278	Discriminant sub-dictionary learning with adaptive multiscale superpixel representation for hyperspectral image classification. 2020 , 409, 131-145		9
277	Nonconvex Sparse Representation With Slowly Vanishing Gradient Regularizers. <i>IEEE Access</i> , 2020 , 8, 132489-132501	3.5	
276	High-dimensional sparse recovery using modified generalised SL0 and its application in 3D ISAR imaging. 2020 , 14, 1267-1278		1
275	Face Recognition Algorithm Based on Correlation Coefficient and Ensemble-Augmented Sparsity. <i>IEEE Access</i> , 2020 , 8, 183972-183982	3.5	3
274	Realization of Spatial Sparseness by Deep ReLU Nets With Massive Data. 2020 , PP,		4

- 273 Analysis of dictionary learning algorithms for image fusion using sparse representation. **2020**, 0
- 272 Regional Principal Component Analysis Network With the Rolling Guidance Filter for Classifying the Hyperspectral Images. *IEEE Access*, **2020**, 8, 148357-148369 3.5 0
- 271 High-Resolution Signal Reconstruction Method Based on Sparse Structure Preservation. *IEEE Access*, **2020**, 8, 163152-163162 3.5
- 270 Hierarchical Sparse Subspace Clustering (HESSC): An Automatic Approach for Hyperspectral Image Analysis. **2020**, 12, 2421 7
- 269 Curvelet Transform Domain-Based Sparse Nonnegative Matrix Factorization for Hyperspectral Unmixing. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2020**, 13, 4908-4924 4.7 9
- 268 Linear Representation-Based Methods for Image Classification: A Survey. *IEEE Access*, **2020**, 8, 216645-216670 2
- 267 Bio-acoustic signal identification based on sparse representation classifier. **2020**, 1529, 022069
- 266 Signal-Processing Framework for Ultrasound Compressed Sensing Data: Envelope Detection and Spectral Analysis. **2020**, 10, 6956 1
- 265 Convergence of Slice-Based Block Coordinate Descent Algorithm for Convolutional Sparse Coding. **2020**, 2020, 1-8
- 264 A Novel Adaptive Multi-View Non-Negative Graph Semi-Supervised ELM. *IEEE Access*, **2020**, 8, 116350-116362 2
- 263 ℓ_p -correlation and robust matching pursuit for sparse approximation. **2020**, 104, 102761 1
- 262 Learning Hybrid Representation by Robust Dictionary Learning in Factorized Compressed Space. **2020**, 21
- 261 Multiobjective evolutionary algorithm (MOEA)-based sparse clustering. **2020**, 127-195
- 260 Sparse representation combined with fuzzy C-means (FCM) in compressed sensing. **2020**, 629-668
- 259 Hyperspectral image classification based on spectral information divergence and sparse representation. **2020**, 693-708
- 258 2lpiRNApred: a two-layered integrated algorithm for identifying piRNAs and their functions based on LFE-GM feature selection. **2020**, 17, 892-902 8
- 257 Recent Advances in Open Set Recognition: A Survey. **2021**, 43, 3614-3631 96
- 256 Exploring of alternative representations of facial images for face recognition. **2020**, 11, 2289-2295 7

255	Sparse Data-Driven Learning for Effective and Efficient Biomedical Image Segmentation. 2020 , 22, 127-153	1
254	Infrared and visible image fusion using dual-tree complex wavelet transform and convolutional sparse representation. 2020 , 39, 4617-4629	2
253	. 2020 , 58, 8567-8582	2
252	Multi-Focus Image Fusion: Algorithms, Evaluation, and a Library. 2020 , 6,	3
251	Anomaly Feature Learning for Unsupervised Change Detection in Heterogeneous Images: A Deep Sparse Residual Model. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020 , 13, 588-600	4.7 22
250	Densely connected network for impulse noise removal. 2020 , 23, 1263-1275	5
249	Sparse Representation-Based Denoising for High-Resolution Brain Activation and Functional Connectivity Modeling: A Task fMRI Study.. <i>IEEE Access</i> , 2020 , 8, 36728-36740	3.5 6
248	A Kernel-Based Probabilistic Collaborative Representation for Face Recognition. <i>IEEE Access</i> , 2020 , 8, 37946-37957	3.5 3
247	Network sparse representation: Decomposition, dimensionality-reduction and reconstruction. 2020 , 521, 307-325	2
246	Deep Multimodel Cascade Method Based on CNN and Random Forest for Pharmaceutical Particle Detection. 2020 , 69, 7028-7042	11
245	Optimized Coefficient Vector and Sparse Representation-Based Classification Method for Face Recognition. <i>IEEE Access</i> , 2020 , 8, 8668-8674	3.5 8
244	Latent Relationship Guided Stacked Sparse Autoencoder for Hyperspectral Imagery Classification. 2020 , 58, 3711-3725	10
243	MLPSO: A Filter Multi-label Feature Selection Based on Particle Swarm Optimization. 2020 ,	3
242	Sparse Representation Classification Beyond ℓ_1 Minimization and the Subspace Assumption. 2020 , 66, 5061-5071	5
241	Constrained L1-optimal sparse representation technique for face recognition. 2020 , 129, 106232	3
240	Clustering via Adaptive and Locality-constrained Graph Learning and Unsupervised ELM. 2020 , 401, 224-235	5
239	Image Set Classification Using a Distance-Based Kernel Over Affine Grassmann Manifold. 2021 , 32, 1082-1095	2
238	Iterative Weighted Group Thresholding Method for Group Sparse Recovery. 2021 , 32, 63-76	2

237	Diagnostic Classification for Human Autism and Obsessive-Compulsive Disorder Based on Machine Learning From a Primate Genetic Model. 2021 , 178, 65-76		9
236	Dictionary learning for clustering on hyperspectral images. 2021 , 15, 255-261		3
235	Magnetic resonance imaging reconstruction via non-convex total variation regularization. 2021 , 31, 412-424		3
234	Classical and modern face recognition approaches: a complete review. <i>Multimedia Tools and Applications</i> , 2021 , 80, 4825-4880	2.5	15
233	Adaptive block compressed sensing - a technological analysis and survey on challenges, innovation directions and applications. <i>Multimedia Tools and Applications</i> , 2021 , 80, 4751-4768	2.5	2
232	Forward-backward filtering and penalized least-Squares optimization: A Unified framework. 2021 , 178, 107796		5
231	Towards understanding residual and dilated dense neural networks via convolutional sparse coding. 2021 , 8, nwaa159		3
230	Secure grid-based density peaks clustering on hybrid cloud for industrial IoT. 2021 , 31, e2139		0
229	Minority manifold regularization by stacked auto-encoder for imbalanced learning. 2021 , 169, 114317		1
228	Sparse Representation Classification With Structured Dictionary Design Strategy for Rotating Machinery Fault Diagnosis. <i>IEEE Access</i> , 2021 , 9, 10012-10024	3.5	3
227	A pareto ensemble based spectral clustering framework. 2021 , 7, 495-509		0
226	Denoising of magnetotelluric data using K-SVD dictionary training. 2021 , 69, 448-473		6
225	Laplacian regularized low-rank sparse representation transfer learning. 2021 , 12, 807-821		3
224	Sparse Common Feature Representation for Undersampled Face Recognition. 2021 , 8, 5607-5618		9
223	Computer-aided diagnostic network for brain tumor classification employing modulated Gabor filter banks. 2021 , 37, 2157-2171		9
222	Scale-space multi-view bag of words for scene categorization. <i>Multimedia Tools and Applications</i> , 2021 , 80, 1223-1245	2.5	7
221	Scalar Quantization as Sparse Least Square Optimization. 2021 , 43, 1678-1690		1
220	Non-Uniform Non-Orthogonal Multicarrier Underwater Communication for Compressed Sonar Image Data Transmission. 2021 , 1-1		2

219	Specific Emitter Identification Based on Multi-Level Sparse Representation in Automatic Identification System. 2021 , 16, 2872-2884		12
218	Improving vehicle re-identification using CNN latent spaces: Metrics comparison and track-to-track extension. 2021 , 15, 85-98		1
217	A Fast Algorithm for Simultaneous Sparse Approximation. 2021 , 42-54		
216	Multi-Metric Induced Robust Graph. <i>IEEE Access</i> , 2021 , 9, 94996-95005	3.5	0
215	Sparse Analysis Recovery via Iterative Cosupport Detection Estimation. <i>IEEE Access</i> , 2021 , 9, 38386-38395	3.5	0
214	Efficient Concurrent L1-Minimization Solvers on GPUs. 2021 , 38, 305-320		0
213	Sparsity-induced Graph Convolutional Network for Semi-supervised Learning. 2021 , 1-1		2
212	The Trimmed Lasso: Sparse Recovery Guarantees and Practical Optimization by the Generalized Soft-Min Penalty. 2021 , 3, 900-929		0
211	Multiview Subspace Clustering by an Enhanced Tensor Nuclear Norm. 2021 , PP,		7
210	Spectral-Difference Low-Rank Representation Learning for Hyperspectral Anomaly Detection. 2021 , 1-14		12
209	SSIM Compliant Modeling Framework With Denoising and Deblurring Applications. 2021 , 30, 2611-2626		5
208	Nonlinear Projective Dictionary Pair Learning for PolSAR Image Classification. <i>IEEE Access</i> , 2021 , 9, 70650-70661		3
207	Discriminative locality-constrained sparse representation for robust face recognition. 2021 , 1780, 012034		1
206	Panoramic Image Stitching Using Double EncoderDecoders. 2021 , 2, 1		1
205	Neighbor-Based Label Distribution Learning to Model Label Ambiguity for Aerial Scene Classification. 2021 , 13, 755		0
204	A sparse representation denoising algorithm for finger-vein image based on dictionary learning. <i>Multimedia Tools and Applications</i> , 2021 , 80, 15135-15159	2.5	1
203	Cooperative representation of multiscale patch face recognition based on fuzzy decision. 2021 , 12, 2109		
202	Newton method for \mathbf{D} -regularized optimization. 1		4

201	High-Order Laplacian Regularized Low-Rank Representation for Multimodal Dementia Diagnosis. 2021 , 15, 634124	2
200	DLRF-Net: A Progressive Deep Latent Low-Rank Fusion Network for Hierarchical Subspace Discovery. 2021 , 17, 1-24	1
199	Weighted Discriminative Sparse Representation for Image Classification. 2021 , 53, 2047-2065	1
198	Real Time Face Recognition with limited training data: Feature Transfer Learning integrating CNN and Sparse Approximation.	
197	Sparse Code based Indexing for Image Retrieval. 2021 ,	
196	Discriminative Dictionary Learning-Based Sparse Classification Framework for Data-Driven Machinery Fault Diagnosis. 2021 , 21, 8117-8129	9
195	Sparse representation of complex steerable pyramid for machine fault diagnosis by using non-contact video motion to replace conventional accelerometers. 2021 , 175, 109104	3
194	Convolutional Sparse Support Estimator-Based COVID-19 Recognition From X-Ray Images. 2021 , 32, 1810-1820	23
193	Load-Identification Method for Flexible Multiple Corrugated Skin Using Spectra Features of FBGs. 2021 , 8, 134	1
192	Exploring 3D Human Action Recognition Using STACOG on Multi-View Depth Motion Maps Sequences. 2021 , 21,	4
191	Low-rank tensor completion with sparse regularization in a transformed domain. e2387	1
190	Tensor Subspace Cluster. 2022 , 219-239	
189	Fast and Robust Dictionary-based Classification for Image Data. 2021 , 15, 1-22	2
188	Nonnegative matrix factorization with entropy regularization for hyperspectral unmixing. 2021 , 42, 6359-6390	1
187	Real-time interpolation of global ionospheric maps by means of sparse representation. 2021 , 95, 1	6
186	Anomaly Detection With Kernel Preserving Embedding. 2021 , 15, 1-18	1
185	Pattern Discovery for climate and environmental policy indicators. 2021 , 120, 89-98	5
184	Kernel nonnegative representation-based classifier. 1	1

183	Data-driven dictionary designBased sparse classification method for intelligent fault diagnosis of planet bearings. 147592172110290	2
182	Target Denoising Method Based on Fusion of Adaptive Filter and Sparse Representation. 2021 , 1982, 012162	
181	Sentiment Analysis of Chinese Paintings Based on Lightweight Convolutional Neural Network. 2021 , 2021, 1-8	2
180	Multi-resolution dictionary collaborative representation for face recognition. 2021 , 24, 1793	1
179	An enhanced sparse representation-based intelligent recognition method for planet bearing fault diagnosis in wind turbines. 2021 , 173, 987-1004	9
178	Discriminant Tensor-Based Manifold Embedding for Medical Hyperspectral Imagery. 2021 , 25, 3517-3528	7
177	Study and Performance Analysis of Image Fusion Techniques for Multi-focus Images. 2022 , 247-259	1
176	The cooperative IGS RT-GIMs: a reliable estimation of the global ionospheric electron content distribution in real time. 2021 , 13, 4567-4582	5
175	Network representation learning systematic review: Ancestors and current development state. 2021 , 6, 100130	0
174	Sparse Approximation Techniques for Efficient Medical Image Representations. 2021 , 263-276	0
173	AutoAssociative Memory for Face Recognition using High-Dimensional Octonion Data. 2021 , 1042, 012028	
172	Reciprocal kernel-based weighted collaborativeCompetitive representation for robust face recognition. 2021 , 32, 1	0
171	Robust Sparse Representation in Quaternion Space. 2021 , 30, 3637-3649	3
170	. <i>IEEE Access</i> , 2021 , 9, 41052-41065	3.5 9
169	Anomaly Detection for Hyperspectral Images Based on Improved Low-Rank and Sparse Representation and Joint Gaussian Mixture Distribution. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 6339-6352	4.7 2
168	Graph regularized low-rank representation for semi-supervised learning. 2021 , 15, 174830262110139	
167	Fault Detection of Rolling Bearing Using Sparse Representation-Based Adjacent Signal Difference. 2021 , 70, 1-16	4
166	Centralized and Collective Neurodynamic Optimization Approaches for Sparse Signal Reconstruction via L ₁ Minimization. 2021 , PP,	0

165	Convolutional Sparse Support Estimator Network (CSEN): From Energy-Efficient Support Estimation to Learning-Aided Compressive Sensing. 2021 , PP,	1
164	Weakly Convex Optimization over Stiefel Manifold Using Riemannian Subgradient-Type Methods. 2021 , 31, 1605-1634	2
163	Jointly Class-specific and Shared Discriminative Dictionary Learning for Classifying Surface Defects of Steel Sheet. 2021 ,	2
162	Dictionary-Based Domain Adaptation Methods for the Re-identification of Faces. 2014 , 269-285	11
161	Automatic Vertebra Labeling in Large-Scale Medical Images Using Deep Image-to-Image Network with Message Passing and Sparsity Regularization. 2019 , 179-197	0
160	Real-Time Face Recognition Using Local Ternary Patterns with Collaborative Representation-Based Classification for Mobile Robots. 2016 , 781-793	2
159	Sparsity-Learning-Based Longitudinal MR Image Registration for Early Brain Development. 2014 , 1-8	2
158	In Vivo MRI Based Prostate Cancer Identification with Random Forests and Auto-context Model. 2014 , 314-322	2
157	A Convergent Incoherent Dictionary Learning Algorithm for Sparse Coding. 2014 , 302-316	13
156	Single Image Smoke Detection. 2015 , 87-101	3
155	Real-Time Human Action Recognition Using DMMs-Based LBP and EOH Features. 2015 , 271-282	3
154	Multi-hypergraph Incidence Consistent Sparse Coding for Image Data Clustering. 2016 , 79-91	3
153	Strategies of Dictionary Usages for Sparse Representations for Pedestrian Classification. 2017 , 96-103	1
152	Similarity-Adaptive Latent Low-Rank Representation for Robust Data Representation. 2018 , 71-84	4
151	Tensor Sparse Coding for Region Covariances. 2010 , 722-735	22
150	Designing Structured Sparse Dictionaries for Sparse Representation Modeling. 2011 , 157-166	4
149	Background Modeling from Surveillance Video Using Rank Minimization. 2012 , 769-774	6
148	Domain Adaptive Dictionary Learning. 2012 , 631-645	70

147	Sparse representation of group-wise FMRI signals. 2013 , 16, 608-16		8
146	Spectral Clustering Algorithm Based on Local Sparse Representation. 2013 , 628-635		1
145	Plant species recognition methods using leaf image: Overview. 2020 , 408, 246-272		12
144	Structured Dictionary Learning for Image Denoising under Mixed Gaussian and Impulse Noise. 2020 , ,		8
143	Semisupervised graph-based hyperspectral images classification using low-rank representation graph with considering the local structure of data. 2018 , 27, 1		2
142	Local similarity constraint-based sparse algorithm for hyperspectral target detection. 2019 , 13, 1		4
141	Seeded Laplacian in sparse subspace for hyperspectral image classification. 2018 ,		1
140	Subsurface Enhancement through Sparse Representations of Multispectral Direct/Global Decomposition. 2013 ,		4
139	Learning dictionaries of sparse codes of 3D movements of body joints for real-time human activity understanding. 2014 , 9, e114147		9
138	Application of Sparse Representation to Bartlett Spectra for Improved Direction of Arrival Estimation. 2020 , 21,		2
137	Collaborative Representation Classifier Based on K Nearest Neighbors for Classification. 2014 , 9, 96-104		3
136	Computer Vision. 2021 , 1181-1185		
135	JCS: An Explainable Surface Defects Detection Method for Steel Sheet by Joint Classification and Segmentation. <i>IEEE Access</i> , 2021 , 9, 140116-140135	3.5	1
134	Learning Kinematic Formulas from Multiple View Videos. 2021 ,		0
133	Constructing a prior-dependent graph for data clustering and dimension reduction in the edge of AIoT. 2021 , 128, 381-381		22
132	Archetypal Analysis and Structured Sparse Representation for Hyperspectral Anomaly Detection. 2021 , 13, 4102		3
131	Active Shape Model Based on Sparse Representation. 2012 , 94-103		
130	Structure Sparsity for Multi-camera Gait Recognition. 2012 , 259-267		

- 129 Diagnose the Premalignant Pancreatic Cancer Using High Dimensional Linear Machine. **2012**, 198-209 2
- 128 Random Forest Classification of Remote Sensing Data. **2012**, 386-395
- 127 Infrared image segmentation based on clustering combined with sparse coding and spatial constraints. **2013**, 62, 040702 4
- 126 High Payload Audio Watermarking Using Sparse Coding with Robustness to MP3 Compression. **2013**, 98-110
- 125 Thresholded two-phase test sample representation for outlier rejection in biological recognition. **2013**, 2013, 248380
- 124 Single-Trial Event-Related Potentials Classification via a Discriminative Dictionary Learning Scheme. **2013**, 42-49
- 123 Joint learning of appearance and transformation for predicting brain MR image registration. **2013**, 23, 499-510 3
- 122 A Kernel Sparse Representation Method Based on Virtual Samples for Use with Face Recognition. **2013**, 12, 2333-2341
- 121 Online Object Tracking via Collaborative Model within the Cascaded Feedback Framework. **2014**, 309-319
- 120 Computer Vision. **2014**, 744-748 1
- 119 Introduction. **2014**, 1-12
- 118 Decentralized Human Tracking in Visual Sensor Networks: Using Sparse Representation for Efficient Communication. **2014**, 45-73
- 117 Automatic Two Phase Sparse Representation Method and Face Recognition Experiments. **2014**, 22-30
- 116 LINKS: Learning-Based Multi-source Integration Framework for Segmentation of Infant Brain Images. **2014**, 22-33 3
- 115 Robust Visual Tracking via Appearance Modeling and Sparse Representation. **2014**, 9,
- 114 Robust Object Tracking via Multi-block and Sparsity-Based Representation. **2015**, 1, 72-77
- 113 Sparsity-Induced Similarity. **2015**, 183-200
- 112 Sub-dictionary Based Joint Sparse Representation for Multi-aspect SAR Automatic Target Recognition. **2015**, 167-175 1

- 111 Discriminative Collaborative Representation for Classification. **2015**, 205-221 2
- 110 X-ray Image Representation. **2015**, 149-203
- 109 A Novel (ell ^1)-graph Based Image Classification Algorithm. **2015**, 63-70
- 108 Improving Sparse Subspace Clustering Using Subsampled Randomized Hadamard Transform. **2015**,
- 107 Robust Object Tracking Based on Collaborative Model via L2-Norm Minimization. **2016**, 486-500
- 106 Discussions and Future Work. **2016**, 251-261
- 105 Semi-supervised Dictionary Learning Based on Hilbert-Schmidt Independence Criterion. **2016**, 12-19 1
- 104 Sparse Representation Based Histogram in Color Texture Retrieval. **2016**, 55-64
- 103 Approximate Search with Quantized Sparse Representations. **2016**, 681-696 7
- 102 Selective visual attention based clutter metric with human visual system adaptability. **2016**, 55, 7700-6
- 101 Unsupervised Band Selection Based on Group-Based Sparse Representation. **2017**, 389-401 1
- 100 A Novel Automatic Grouping Algorithm for Feature Selection. **2017**, 592-603 0
- 99 Classification of Hyperspectral Imagery Based on Dictionary Learning and Extended Multi-attribute Profiles. **2017**, 358-369
- 98 Affine-Constrained Group Sparse Coding Based on Mixed Norm. **2017**, 471-480
- 97 An Optimized Naive Bayesian Method for Face Recognition. **2017**, 126-135 0
- 96 Sparse Representation of the Transients in Mechanical Signals. **2017**, 227-258
- 95 Solving a New Constrained Minimization Problem for Image Deconvolution. **2017**, 475-485
- 94 Action Graph Decomposition Based on Sparse Coding. **2017**, 48-57

- 93 Class-specific adaptive sparse representation via reweighted ℓ_1 norm minimization for image classification. **2017**, 26, 043014
- 92 Discriminative Sparse Representations. **2018**, 129-156
- 91 Semi-supervised Multi-label Dimensionality Reduction via Low Rank Representation. **2018**, 625-637
- 90 Affine Collaborative Representation Based Classification for In-Air Handwritten Chinese Character Recognition. **2018**, 444-452
- 89 ODD: An Algorithm of Online Directional Dictionary Learning for Sparse Representation. **2018**, 939-947
- 88 Joint sparse representation based classification of rub-impact in rotating machinery with multiple acoustic emission sensors. **2018**, 20, 762-773
- 87 Sparse representation via optimal matching convolution framelets. **2018**, 12, 1082-1090
- 86 Face Sketch Synthesis Based on Adaptive Similarity Regularization. **2019**, 226-237
- 85 Extension of Sample Dimension and Sparse Representation Based Classification of Low-Dimension Data. **2019**, 633-640
- 84 Active Two Phase Collaborative Representation Classifier for Image Categorization. **2019**, 175-184
- 83 Low-Rank Learning of Functional Connectivity Reveals Neural Traits of Individual Differences. **2019**, 183-203
- 82 Sparsity promoting super-resolution coverage segmentation by linear unmixing in presence of blur and noise. **2019**, 28, 1
- 81 An Improved Unsupervised Band Selection of Hyperspectral Images Based on Sparse Representation. **2020**, 135-145
- 80 One-Class Novelty Detection via Sparse Representation with Contrastive Deep Features. **2020**,
- 79 Sparse and Low-rank Tucker Decomposition with Its Application to 2D+3D Facial Expression Recognition. **2020**,
- 78 Unsupervised Video Anomaly Detection Based on Sparse Reconstruction. **2021**, 994-1001
- 77 X-ray Image Representation. **2021**, 169-226
- 76 A Facial Fatigue Expression Recognition Method Based on Sparse Representation on the Low-Resolution Image. **2020**, 269-278

75	Multiple Kernel Learning for Hyperspectral Image Classification. 2020 , 259-293	4
74	Dimensionality Reduction with Extreme Learning Machine Based on Manifold Preserving. 2020 , 128-138	
73	(ell_1) Regularized Robust and Sparse Linear Modeling Using Discrete Optimization. 2020 , 645-661	
72	. 2020 , 27, 2044-2048	3
71	Hierarchical Representations Feature Deep Learning for Face Recognition. 2020 , 08, 195-227	0
70	Learning Decision Trees Recurrently Through Communication. 2021 ,	1
69	. 2021 ,	
68	Point Cloud Surface Reconstruction using Sparse Ellipsoid Radial Basis Function Neural Network. 2021 ,	0
67	Multi-support Vector Machine Based Dempster-Shafer Theory for Gesture Intention Understanding. 2021 , 115-131	
66	ECG-Based Identification of Sudden Cardiac Death through Sparse Representations. 2021 , 21,	1
65	Supapixel-based active contour model via a local similarity factor and saliency. 2021 , 188, 110442	0
64	Sparse representation and reproduction of speech signals in complex Fourier basis. 1	0
63	Denoising Low-Rank Discrimination based Least Squares Regression for image classification. 2022 , 587, 247-264	0
62	Robust sparse recovery via a novel convex model. 2022 , 421, 126923	
61	Special Convolutional Neural Network for Identification and Positioning of Interstitial Lung Disease Patterns in Computed Tomography Images. 2021 , 31, 730-738	0
60	Unsupervised domain adaptation using shallow and deep representations. 2022 , 243-274	
59	Structured classifier-based dictionary pair learning for pattern classification. 1	
58	Meta-Pixel-Driven Embeddable Discriminative Target and Background Dictionary Pair Learning for Hyperspectral Target Detection. 2022 , 14, 481	2

- 57 A structural damage detection algorithm based on discrete wavelet transform and ensemble pattern recognition models. 1 3
- 56 Medical image analysis. **2022**, 541-577
- 55 Driver Behavior Analysis Using Deep Learning. **2022**,
- 54 SpectralSpatial Complementary Decision Fusion for Hyperspectral Anomaly Detection. **2022**, 14, 943 o
- 53 A weighted sparse coding model on product Grassmann manifold for video-based human gesture recognition.. **2022**, 8, e923
- 52 A method for magnetotelluric data processing based on sparsity adaptive stage-wise orthogonal matching pursuit. **2022**, 198, 104577 1
- 51 Numerical characterization of support recovery in sparse regression with correlated design. 1-15
- 50 Local spatial continuity steered sparse representation for occluded face recognition. *Multimedia Tools and Applications*, 1 2.5
- 49 Intelligent meta-imagers: From compressed to learned sensing. **2022**, 9, 011314 11
- 48 Representation recovery via L1-norm minimization with corrupted data. **2022**, 595, 395-426 o
- 47 Sparse learning based classification framework for planetary bearing health diagnostics. **2022**, 173, 104852 o
- 46 Detection of Abnormal Opacity on Chest CT Images Using A 3D-CNN. **2021**,
- 45 Discriminative Localized Sparse Approximations for Mass Characterization in Mammograms.. **2021**, 11, 725320
- 44 Fuzzy C-Means Clustering With Neighbor Information Constraint Using Sparse Self-Representation. **2021**,
- 43 Hyperspectral Anomaly Detection based on Machine Learning: An Overview. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2022**, 1-1 4.7 1
- 42 Class Specific Dictionary Learning with the Independence Between-class and Dependence Intra-class Coefficient Constraint. **2022**, 2224, 012105
- 41 Supervised sparse preserving projections model based on distributed principal component analysis for chemical process monitoring. o
- 40 A group behavior prediction model based on sparse representation and complex message interactions. **2022**, 601, 224-241 o

39	Adaptive sparse representation-based minimum entropy deconvolution for bearing fault detection. 2022 , 1-1		1
38	Single-image reconstruction using novel super-resolution technique for large-scaled images.. 2022 , 1-15		0
37	Semantic consistency learning on manifold for source data-free unsupervised domain adaptation. 2022 ,		0
36	Medical image fusion by sparse-based modified fusion framework using block total least-square update dictionary learning algorithm. 2022 , 9,		1
35	Data-Driven Stochastic Particle Scheme for Collisional Plasma Simulations.		
34	Mixed noise reduction via sparse error constraint representation of high frequency image for wildlife image. <i>Multimedia Tools and Applications</i> ,	2.5	0
33	Single Object Tracking in Satellite Videos: A Correlation Filter-Based Dual-Flow Tracker. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022 , 1-13	4.7	1
32	Analyzing the scientific evolution of Face Recognition research and its prominent subfields. <i>IEEE Access</i> , 2022 , 1-1	3.5	1
31	Targeted Policy Recommendations using Outcome-aware Clustering. 2022 ,		
30	FOC winding defect detection based on improved texture features and low-rank representation model. <i>Applied Optics</i> , 2022 , 61, 5599	1.7	
29	Enhanced dictionary learning based sparse classification approach with applications to planetary bearing fault diagnosis. <i>Applied Acoustics</i> , 2022 , 196, 108870	3.1	1
28	Exact recovery of sparse signals with side information. <i>Eurasip Journal on Advances in Signal Processing</i> , 2022 , 2022,	1.9	
27	Fixed-Time Stable Neurodynamic Flow to Sparse Signal Recovery via Nonconvex L1- ℓ_2 -Norm. <i>Neural Computation</i> , 2022 , 34, 1727-1755	2.9	
26	Sparsity assisted intelligent recognition method for vibration-based machinery health diagnostics. <i>JVC/Journal of Vibration and Control</i> , 107754632211137	2	0
25	Structural Smoothing Low-Rank Matrix Restoration Based on Sparse Coding and Dual-Weighted Model. <i>Entropy</i> , 2022 , 24, 946	2.8	
24	Learning and Inference in Sparse Coding Models With Langevin Dynamics. <i>Neural Computation</i> , 2022 , 34, 1676-1700	2.9	
23	Image classification using convolutional neural network tree ensembles.		
22	Review on Compressive Sensing Algorithms for ECG Signal for IoT Based Deep Learning Framework. 2022 , 12, 8368		1

21	Application of Couple Sparse Coding in Smart Damage Detection of Truss Bridges. 1-23	
20	Learning salient self-representation for image recognition via orthogonal transformation. 2023 , 212, 118663	o
19	Deep Dictionary Pair Learning for SAR Image Classification. 2022 , 87-100	o
18	Image Compression Using Stochastic-AFD Based Multisignal Sparse Representation. 2022 , 31, 5317-5331	o
17	Sampling Rates for ℓ_1 -Synthesis.	o
16	A study of sparse representation-based classification for biometric verification based on both handcrafted and deep learning features.	o
15	Structured Sparsity Optimization with Non-Convex Surrogates of $\ell_{2,0}$ -Norm: A Unified Algorithmic Framework. 2022 , 1-18	1
14	Frequency-Relevant Residual Learning for Multi-Modal Image Denoising. 2022 ,	o
13	Prediction of the Critical Temperature of Superconducting Materials Using Image Regression and Ensemble Deep Learning. 2022 , 104743	o
12	Representation based regression for object distance estimation. 2022 ,	o
11	Proximal gradient nonconvex optimization algorithm for the slice-based ℓ_0 -constrained convolutional dictionary learning. 2023 , 260, 110185	o
10	A chaotic map with trigonometric functions: Dynamical analysis and its application in image encryption based on sparse representation and convolutional filters. 2023 , 273, 170379	1
9	Research on magnetotelluric long-duration noise reduction based on adaptive sparse representation. 2022 , 1-1	1
8	Recognition of Continuous Face Occlusion Based on Block Permutation by Using Linear Regression Classification. 2022 , 12, 11885	o
7	RFEPS. 2022 , 41, 1-15	o
6	Joint Augmented and Compressed Dictionaries for Robust Image Classification.	o
5	Enhancing sparse representation of color images by cross channel transformation. 2023 , 18, e0279917	o
4	A Survey on Learning to Reject. 2023 , 111, 185-215	o

- 3 Recovering Clean Data with Low Rank Structure by Leveraging Pre-learned Dictionary for Structured Noise. o
- 2 Sparse Decomposition of Heart Rate Using a Bernoulli-Gaussian Model: Application to Sleep Apnoea Detection. **2023**, 23, 3743 o
- 1 Compressed data separation with general frames via $\text{b}_{\text{mell}_1-\alpha; \ell_2}$ minimization. **2023**, o