Hong Yan

List of Publications by Citations

442 papers	6,850 citations	40 h-index	63 g-index
543 ext. papers	8,483 ext. citations	4.6 avg, IF	6.41 L-index

#	Paper	IF	Citations
442	Locating and extracting the eye in human face images. *Pattern Recognition*, **1996**, 29, 771-779	7.7	215
441	An adaptive spatial fuzzy clustering algorithm for 3-D MR image segmentation. *IEEE Transactions on Medical Imaging*, **2003**, 22, 1063-75	11.7	212
440	Missing value imputation for gene expression data: computational techniques to recover missing data from available information. *Briefings in Bioinformatics*, **2011**, 12, 498-513	13.4	131
439	An analytic-to-holistic approach for face recognition based on a single frontal view. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **1998**, 20, 673-686	13.3	129
438	A novel vessel segmentation algorithm for pathological retina images based on the divergence of vector fields. *IEEE Transactions on Medical Imaging*, **2008**, 27, 237-46	11.7	127
437	An adaptive logical method for binarization of degraded document images. *Pattern Recognition*, **2000**, 33, 787-807	7.7	116
436	Off-line signature verification based on geometric feature extraction and neural network classification. *Pattern Recognition*, **1997**, 30, 9-17	7.7	110
435	Interword distance changes represented by sine waves for watermarking text images. *IEEE Transactions on Circuits and Systems for Video Technology*, **2001**, 11, 1237-1245	6.4	106
434	Fingerprint classification based on extraction and analysis of singularities and pseudo ridges. *Pattern Recognition*, **2004**, 37, 2233-2243	7.7	105
433	Recommender systems based on social networks. *Journal of Systems and Software*, **2015**, 99, 109-119	3.3	101
432	Blocking artifacts suppression in block-coded images using overcomplete wavelet representation. *IEEE Transactions on Circuits and Systems for Video Technology*, **2004**, 14, 450-461	6.4	101
431	A machine learning approach to improve contactless heart rate monitoring using a webcam. *IEEE Journal of Biomedical and Health Informatics*, **2014**, 18, 1153-60	7.2	96
430	Fuzzy Algorithms. *Advances in Fuzzy Systems*, **1996**,		93
429	Handwritten numeral recognition using self-organizing maps and fuzzy rules. *Pattern Recognition*, **1995**, 28, 59-66	7.7	90
428	A technique of three-level thresholding based on probability partition and fuzzy 3-partition. *IEEE Transactions on Fuzzy Systems*, **2001**, 9, 469-479	8.3	85
427	Microarray missing data imputation based on a set theoretic framework and biological knowledge. *Nucleic Acids Research*, **2006**, 34, 1608-19	20.1	79
426	Skew Correction of Document Images Using Interline Cross-Correlation. *Graphical Models*, **1993**, 55, 538-543		74

407	A new geometric biclustering algorithm based on the Hough transform for analysis of large-scale microarray data. *Journal of Theoretical Biology*, **2008**, 251, 264-74	2.3	42
406	PromoterExplorer: an effective promoter identification method based on the AdaBoost algorithm. *Bioinformatics*, **2006**, 22, 2722-8	7.2	42
405	Prototype optimization for nearest neighbor classifiers using a two-layer perceptron. *Pattern Recognition*, **1993**, 26, 317-324	7.7	42
404	Analysis of stroke structures of handwritten Chinese characters. *IEEE Transactions on Systems, Man, and Cybernetics*, **1999**, 29, 47-61		41
403	Feature Extraction and Uncorrelated Discriminant Analysis for High-Dimensional Data. *IEEE Transactions on Knowledge and Data Engineering*, **2008**, 20, 601-614	4.2	40
402	Autoregressive-model-based missing value estimation for DNA microarray time series data. *IEEE Transactions on Information Technology in Biomedicine*, **2009**, 13, 131-7		39
401	An efficient algorithm for smoothing, linearization and detection of structural feature points of binary image contours. *Pattern Recognition*, **1997**, 30, 57-69	7.7	39
400	Combining Region-of-Interest Extraction and Image Enhancement for Nighttime Vehicle Detection. *IEEE Intelligent Systems*, **2016**, 31, 57-65	4.2	38
399	High speed detection of retinal blood vessels in fundus image using phase congruency. *Soft Computing*, **2011**, 15, 1217-1230	3.5	38
398	Towards accurate human promoter recognition: a review of currently used sequence features and classification methods. *Briefings in Bioinformatics*, **2009**, 10, 498-508	13.4	38
397	Attractable snakes based on the greedy algorithm for contour extraction. *Pattern Recognition*, **2002**, 35, 791-806	7.7	37
396	Off-line signature verification using structural feature correspondence. *Pattern Recognition*, **2002**, 35, 2467-2477	7.7	37
395	VECTORIZATION OF HAND-DRAWN IMAGE USING PIECEWISE CUBIC BZIER CURVES FITTING. *Pattern Recognition*, **1998**, 31, 1747-1755	7.7	36
394	A deblocking method for BDCT compressed images based on adaptive projections. *IEEE Transactions on Circuits and Systems for Video Technology*, **2005**, 15, 430-435	6.4	36
393	Gene expression profiling of 1200 pancreatic ductal adenocarcinoma reveals novel subtypes. *BMC Cancer*, **2018**, 18, 603	4.8	35
392	Nighttime Vehicle Detection Based on Bio-Inspired Image Enhancement and Weighted Score-Level Feature Fusion. *IEEE Transactions on Intelligent Transportation Systems*, **2017**, 18, 927-936	6.1	35
391	Text region extraction in a document image based on the Delaunay tessellation. *Pattern Recognition*, **2003**, 36, 799-809	7.7	35
390	Handwritten digit recognition by adaptive-subspace self-organizing map (ASSOM). *IEEE Transactions on Neural Networks*, **1999**, 10, 939-45		35

389	Molecular subtyping of cancer: current status and moving toward clinical applications. *Briefings in Bioinformatics*, **2019**, 20, 572-584	13.4	35
388	Performance evaluation and comparison of PCA Based human face recognition methods for distorted images. *International Journal of Machine Learning and Cybernetics*, **2011**, 2, 245-259	3.8	34
387	Detecting overlapping protein complexes based on a generative model with functional and topological properties. *BMC Bioinformatics*, **2014**, 15, 186	3.6	33
386	Biomarker identification and cancer classification based on microarray data using Laplace naive Bayes model with mean shrinkage. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2012**, 9, 1649-62	3	33
385	. *IEEE Transactions on Fuzzy Systems*, **1996**, 4, 24-31	8.3	33
384	Clothing segmentation using foreground and background estimation based on the constrained Delaunay triangulation. *Pattern Recognition*, **2008**, 41, 1581-1592	7.7	32
383	Incorporating prior information into differential network analysis using non-paranormal graphical models. *Bioinformatics*, **2017**, 33, 2436-2445	7.2	31
382	Genome-based expression profiling as a single standardized microarray platform for the diagnosis of endometrial disorder: an array of 126-gene model. *Fertility and Sterility*, **2010**, 94, 114-9	4.8	31
381	Sparse discriminant analysis for breast cancer biomarker identification and classification. *Progress in Natural Science: Materials International*, **2009**, 19, 1635-1641	3.6	31
380	POCS-based blocking artifacts suppression using a smoothness constraint set with explicit region modeling. *IEEE Transactions on Circuits and Systems for Video Technology*, **2005**, 15, 795-800	6.4	31
379	Dominant spectral component analysis for transcriptional regulations using microarray time-series data. *Bioinformatics*, **2004**, 20, 742-9	7.2	31
378	A nonlinear neural network model of mixture of local principal component analysis: application to handwritten digits recognition. *Pattern Recognition*, **2001**, 34, 203-214	7.7	30
377	Singular value decomposition based recommendation using imputed data. *Knowledge-Based Systems*, **2019**, 163, 485-494	7.3	30
376	Biclustering Analysis for Pattern Discovery: Current Techniques, Comparative Studies and Applications. *Current Bioinformatics*, **2012**, 7, 43-55	4.7	28
375	Sign Language Finger Alphabet Recognition from Gabor-PCA Representation of Hand Gestures **2007**,		28
374	Studies of spectral properties of short genes using the wavelet subspace Hilbert‐Huang transform (WSHHT). *Physica A: Statistical Mechanics and Its Applications*, **2008**, 387, 4223-4247	3.3	27
373	A Truncated Matrix Decomposition for Hyperspectral Image Super-Resolution. *IEEE Transactions on Image Processing*, **2020**, 29, 8028-8042	8.7	27
372	HiSCF: leveraging higher-order structures for clustering analysis in biological networks. *Bioinformatics*, **2021**, 37, 542-550	7.2	27

371	Linking broken character borders with variable sized masks to improve recognition. *Pattern Recognition*, **1996**, 29, 1429-1435	7.7	26
370	Personalized prediction of EGFR mutation-induced drug resistance in lung cancer. *Scientific Reports*, **2013**, 3, 2855	4.9	25
369	A curve bend function based method to characterize contour shapes. *Pattern Recognition*, **1997**, 30, 1661-1671	7.7	25
368	Color image segmentation using fuzzy integral and mountain clustering. *Fuzzy Sets and Systems*, **1999**, 107, 121-130	3.7	25
367	Generalized Tensor Regression for Hyperspectral Image Classification. *IEEE Transactions on Geoscience and Remote Sensing*, **2020**, 58, 1244-1258	8.1	25
366	Differential network analysis from cross-platform gene expression data. *Scientific Reports*, **2016**, 6, 34112	4.9	24
365	An improved algorithm for 2-D translational motion artifact correction. *IEEE Transactions on Medical Imaging*, **1991**, 10, 548-53	11.7	24
364	EGFR Mutant Structural Database: computationally predicted 3D structures and the corresponding binding free energies with gefitinib and erlotinib. *BMC Bioinformatics*, **2015**, 16, 85	3.6	23
363	The theoretic framework of local weighted approximation for microarray missing value estimation. *Pattern Recognition*, **2010**, 43, 2993-3002	7.7	23
362	Artifact reduction in compressed images based on region homogeneity constraints using the projection onto convex sets algorithm. *IEEE Transactions on Circuits and Systems for Video Technology*, **2002**, 12, 891-897	6.4	23
361	A computer simulation study on the input function sampling schedules in tracer kinetic modeling with positron emission tomography (PET). *Computer Methods and Programs in Biomedicine*, **1994**, 45, 175-86	6.9	23
360	Fat tissue and fat suppression. *Magnetic Resonance Imaging*, **1993**, 11, 385-93	3.3	23
359	Alpha shape and Delaunay triangulation in studies of protein-related interactions. *Briefings in Bioinformatics*, **2014**, 15, 54-64	13.4	22
358	SEPARATION OF SINGLE-TOUCHING HANDWRITTEN NUMERAL STRINGS BASED ON STRUCTURAL FEATURES. *Pattern Recognition*, **1998**, 31, 1835-1847	7.7	22
357	Tensor Decomposition of Gait Dynamics in Parkinson's Disease. *IEEE Transactions on Biomedical Engineering*, **2018**, 65, 1820-1827	5	21
356	Recovery of upper body poses in static images based on joints detection. *Pattern Recognition Letters*, **2009**, 30, 503-512	4.7	21
355	A nonlinear model for fractal image coding. *IEEE Transactions on Image Processing*, **1997**, 6, 373-82	8.7	21
354	Reconstruction of broken handwritten digits based on structural morphological features. *Pattern Recognition*, **2001**, 34, 235-254	7.7	21

353	Handwritten digit recognition using an optimized nearest neighbor classifier. *Pattern Recognition Letters*, **1994**, 15, 207-211	4.7	21
352	Exon prediction using empirical mode decomposition and Fourier transform of structural profiles of DNA sequences. *Pattern Recognition*, **2012**, 45, 947-955	7.7	20
351	Deciphering mechanisms of acquired T790M mutation after EGFR inhibitors for NSCLC by computational simulations. *Scientific Reports*, **2017**, 7, 6595	4.9	20
350	OMWSA: detection of DNA repeats using moving window spectral analysis. *Bioinformatics*, **2007**, 23, 631-3	7.2	20
349	A faster converging snake algorithm to locate object boundaries. *IEEE Transactions on Image Processing*, **2006**, 15, 1182-91	8.7	20
348	Systems-level quantification of division timing reveals a common genetic architecture controlling asynchrony and fate asymmetry. *Molecular Systems Biology*, **2015**, 11, 814	12.2	19
347	Structural primitive extraction and coding for handwritten numeral recognition. *Pattern Recognition*, **1998**, 31, 493-509	7.7	19
346	Spectral estimation in unevenly sampled space of periodically expressed microarray time series data. *BMC Bioinformatics*, **2007**, 8, 137	3.6	19
345	Eukaryotic promoter prediction based on relative entropy and positional information. *Physical Review E*, **2007**, 75, 041908	2.4	19
344	Convergence condition and efficient implementation of the fuzzy curve-tracing (FCT) algorithm. *IEEE Transactions on Systems, Man, and Cybernetics*, **2004**, 34, 210-21		19
343	Data truncation artifact reduction in MR imaging using a multilayer neural network. *IEEE Transactions on Medical Imaging*, **1993**, 12, 73-7	11.7	19
342	A probabilistic relaxation labeling framework for reducing the noise effect in geometric biclustering of gene expression data. *Pattern Recognition*, **2009**, 42, 2578-2588	7.7	18
341	Statistical power of Fisher test for the detection of short periodic gene expression profiles. *Pattern Recognition*, **2009**, 42, 549-556	7.7	18
340	Fat suppression with an improved selective presaturation pulse. *Magnetic Resonance Imaging*, **1992**, 10, 49-53	3.3	18
339	Establishment of a morphological atlas of the Caenorhabditis elegans embryo using deep-learning-based 4D segmentation. *Nature Communications*, **2020**, 11, 6254	17.4	17
338	Bayes Saliency-Based Object Proposal Generator for Nighttime Traffic Images. *IEEE Transactions on Intelligent Transportation Systems*, **2018**, 19, 814-825	6.1	17
337	Regularized logistic regression with network-based pairwise interaction for biomarker identification in breast cancer. *BMC Bioinformatics*, **2016**, 17, 108	3.6	17
336	Noise reduction in microarray gene expression data based on spectral analysis. *International Journal of Machine Learning and Cybernetics*, **2012**, 3, 51-57	3.8	17

335	Recognition of handwritten digits based on contour information. *Pattern Recognition*, **1998**, 31, 235-255	7.7	17
334	Face recognition using the weighted fractal neighbor distance. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2005**, 35, 576-582		17
333	Handwritten numeral recognition using a small number of fuzzy rules with optimized defuzzification parameters. *Neural Networks*, **1995**, 8, 821-827	9.1	17
332	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 71-80	7.3	17
331	Analysis of surface structures of hydrogen bonding in protein‑ligand interactions using the alpha shape model. *Chemical Physics Letters*, **2012**, 545, 125-131	2.5	16
330	Dermatological disease diagnosis using color-skin images **2012**,		16
329	Prediction of DNA-binding protein based on statistical and geometric features and support vector machines. *Proteome Science*, **2011**, 9 Suppl 1, S1	2.6	16
328	A discriminatory function for prediction of protein-DNA interactions based on alpha shape modeling. *Bioinformatics*, **2010**, 26, 2541-8	7.2	16
327	Framelet kernels with applications to support vector regression and regularization networks. *IEEE Transactions on Systems, Man, and Cybernetics*, **2010**, 40, 1128-44		16
326	AN EMPIRICAL STUDY ON THE CHARACTERISTICS OF GABOR REPRESENTATIONS FOR FACE RECOGNITION. *International Journal of Pattern Recognition and Artificial Intelligence*, **2009**, 23, 401-431	1.1	16
325	Detection of tandem repeats in DNA sequences based on parametric spectral estimation. *IEEE Transactions on Information Technology in Biomedicine*, **2009**, 13, 747-55		16
324	An improved algorithm for rotational motion artifact suppression in MRI. *IEEE Transactions on Medical Imaging*, **1998**, 17, 310-7	11.7	16
323	Gene expression data clustering and visualization based on a binary hierarchical clustering framework. *Journal of Visual Languages and Computing*, **2003**, 14, 341-362		16
322	Character and line extraction from color map images using a multi-layer neural network. *Pattern Recognition Letters*, **1994**, 15, 97-103	4.7	16
321	EnImpute: imputing dropout events in single-cell RNA-sequencing data via ensemble learning. *Bioinformatics*, **2019**, 35, 4827-4829	7.2	15
320	Predicting the impacts of mutations on protein-ligand binding affinity based on molecular dynamics simulations and machine learning methods. *Computational and Structural Biotechnology Journal*, **2020**, 18, 439-454	6.8	15
319	A two-layer integration framework for protein complex detection. *BMC Bioinformatics*, **2016**, 17, 100	3.6	15
318	Clustering of temporal gene expression data by regularized spline regression and an energy based similarity measure. *Pattern Recognition*, **2010**, 43, 3969-3976	7.7	15

317	An adaptive split-and-merge method for binary image contour data compression. *Pattern Recognition Letters*, **2001**, 22, 299-307	4.7	15
316	Shape skeletonization by identifying discrete local symmetries. *Pattern Recognition*, **2001**, 34, 1895-1905	7.7	15
315	Prediction of sensitivity to gefitinib/erlotinib for EGFR mutations in NSCLC based on structural interaction fingerprints and multilinear principal component analysis. *BMC Bioinformatics*, **2018**, 19, 88	3.6	14
314	PRL-Dock: protein-ligand docking based on hydrogen bond matching and probabilistic relaxation labeling. *Proteins: Structure, Function and Bioinformatics*, **2012**, 80, 2137-53	4.2	14
313	SCS: signal, context, and structure features for genome-wide human promoter recognition. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2010**, 7, 550-62	3	14
312	Robust topology-adaptive snakes for image segmentation. *Image and Vision Computing*, **2002**, 20, 147-164	4.7	14
311	Separation of touching handwritten multi-numeral strings based on morphological structural features. *Pattern Recognition*, **2001**, 34, 587-599	7.7	14
310	Fuzzy curve-tracing algorithm. *IEEE Transactions on Systems, Man, and Cybernetics*, **2001**, 31, 768-80		14
309	Computationally predicting binding affinity in protein-ligand complexes: free energy-based simulations and machine learning-based scoring functions. *Briefings in Bioinformatics*, **2021**, 22,	13.4	14
308	mTD: A database of microRNAs affecting therapeutic effects of drugs. *Journal of Genetics and Genomics*, **2017**, 44, 269-271	4	13
307	A bicluster-based Bayesian principal component analysis method for microarray missing value estimation. *IEEE Journal of Biomedical and Health Informatics*, **2014**, 18, 863-71	7.2	13
306	Structural property of regulatory elements in human promoters. *Physical Review E*, **2008**, 77, 041908	2.4	13
305	The fractal neighbor distance measure. *Pattern Recognition*, **2002**, 35, 1371-1387	7.7	13
304	Document image mosaicing		13
303	Extracting strokes from static line images based on selective searching. *Pattern Recognition*, **1999**, 32, 935-946	7.7	13
302	Feature evaluation and selection based on an entropy measure with data clustering. *Optical Engineering*, **1995**, 34, 3514	1.1	13
301	Contribution of EGFR and ErbB-3 Heterodimerization to the EGFR Mutation-Induced Gefitinib- and Erlotinib-Resistance in Non-Small-Cell Lung Carcinoma Treatments. *PLoS ONE*, **2015**, 10, e0128360	3.7	13
300	Spatial-dependence recurrence sample entropy. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 494, 581-590	3.3	13

299	Coclustering of Multidimensional Big Data: A Useful Tool for Genomic, Financial, and Other Data Analysis. *IEEE Systems, Man, and Cybernetics Magazine*, **2017**, 3, 23-30	1.6	12
298	Rapid feature extraction for Bangla handwritten digit recognition **2011**,		12
297	Blood cell image segmentation based on the Hough transform and fuzzy curve tracing **2011**,		12
296	Slice profile improvement for a clinical MRI system. *Magnetic Resonance Imaging*, **1990**, 8, 767-70	3.3	12
295	Generalized Conditional Domain Adaptation: A Causal Perspective With Low-Rank Translators. *IEEE Transactions on Cybernetics*, **2020**, 50, 821-834	10.2	12
294	Establishment of Signaling Interactions with Cellular Resolution for Every Cell Cycle of Embryogenesis. *Genetics*, **2018**, 209, 37-49	4	11
293	Some inequalities for the Hadamard product of tensors. *Linear and Multilinear Algebra*, **2018**, 66, 1199-1214	1.4	11
292	Identifying differential networks based on multi-platform gene expression data. *Molecular BioSystems*, **2016**, 13, 183-192		11
291	Hypergraph based geometric biclustering algorithm. *Pattern Recognition Letters*, **2012**, 33, 1656-1665	4.7	11
290	An Improved Position Weight Matrix method based on an entropy measure for the recognition of prokaryotic promoters. *International Journal of Data Mining and Bioinformatics*, **2011**, 5, 22-37	0.5	11
289	Relationship between periodic dinucleotides and the nucleosome structure revealed by alpha shape modeling. *Chemical Physics Letters*, **2010**, 489, 225-228	2.5	11
288	Object recognition based on fractal neighbor distance. *Signal Processing*, **2001**, 81, 2105-2129	4.4	11
287	. *IEEE Computer Graphics and Applications*, **2001**, 21, 18-26	1.7	11
286	Handwritten digit recognition using combined ID3-derived fuzzy rules and Markov chains. *Pattern Recognition*, **1996**, 29, 1821-1833	7.7	11
285	. *IEEE Transactions on Signal Processing*, **1991**, 39, 1428-1433	4.8	11
284	Learning Multiple Parameters for Kernel Collaborative Representation Classification. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 5068-5078	10.3	11
283	Multi-deep features fusion for high-resolution remote sensing image scene classification. *Neural Computing and Applications*, **2021**, 33, 2047-2063	4.8	11
282	. *IEEE Access*, **2021**, 9, 96964-96974	3.5	11

281	Sample Weighting: An Inherent Approach for Outlier Suppressing Discriminant Analysis. *IEEE Transactions on Knowledge and Data Engineering*, **2015**, 27, 3070-3083	4.2	10
280	scTSSR: gene expression recovery for single-cell RNA sequencing using two-side sparse self-representation. *Bioinformatics*, **2020**, 36, 3131-3138	7.2	10
279	Comparative analysis of housekeeping and tissue-specific driver nodes in human protein interaction networks. *BMC Bioinformatics*, **2016**, 17, 358	3.6	10
278	Text-Independent Phoneme Segmentation Combining EGG and Speech Data. *IEEE/ACM Transactions on Audio Speech and Language Processing*, **2016**, 24, 1029-1037	3.6	10
277	Joint Learning of Multiple Differential Networks With Latent Variables. *IEEE Transactions on Cybernetics*, **2019**, 49, 3494-3506	10.2	10
276	GPU-based biclustering for microarray data analysis in neurocomputing. *Neurocomputing*, **2014**, 134, 239-246	5.4	10
275	A hierarchical multilevel thresholding method for edge information extraction using fuzzy entropy. *International Journal of Machine Learning and Cybernetics*, **2012**, 3, 297-305	3.8	10
274	Boolean genetic network model for the control of C. elegans early embryonic cell cycles. *BioMedical Engineering OnLine*, **2013**, 12 Suppl 1, S1	4.1	10
273	A fuzzy biclustering algorithm for social annotations. *Journal of Information Science*, **2009**, 35, 426-438	2	10
272	Structural properties of replication origins in yeast DNA sequences. *Physical Biology*, **2008**, 5, 036012	3	10
271	Document page segmentation based on pattern spread analysis. *Optical Engineering*, **2000**, 39, 724	1.1	10
270	Hydrogen bond analysis of the EGFR-ErbB3 heterodimer related to non-small cell lung cancer and drug resistance. *Journal of Theoretical Biology*, **2019**, 464, 63-71	2.3	10
269	DrPOCS: Drug Repositioning Based on Projection Onto Convex Sets. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2019**, 16, 154-162	3	10
268	DiffGraph: an R package for identifying gene network rewiring using differential graphical models. *Bioinformatics*, **2018**, 34, 1571-1573	7.2	9
267	Identifying EGFR mutation-induced drug resistance based on alpha shape model analysis of the dynamics. *Proteome Science*, **2016**, 14, 12	2.6	9
266	An integrative C. elegans protein-protein interaction network with reliability assessment based on a probabilistic graphical model. *Molecular BioSystems*, **2016**, 12, 85-92		9
265	Design Exploration of Geometric Biclustering for Microarray Data Analysis in Data Mining. *IEEE Transactions on Parallel and Distributed Systems*, **2014**, 25, 2540-2550	3.7	9
264	A novel cell nuclei segmentation method for 3D C. elegans embryonic time-lapse images. *BMC Bioinformatics*, **2013**, 14, 328	3.6	9

263	**2009**,		9
262	Spectral Estimation Techniques for DNA Sequence and Microarray Data Analysis. *Current Bioinformatics*, **2007**, 2, 145-156	4.7	9
261	Identification of Elite Swimmers' Race Patterns Using Cluster Analysis. *International Journal of Sports Science and Coaching*, **2007**, 2, 293-303	1.8	9
260	Newspaper document analysis featuring connected line segmentation		9
259	Signature verification using fractal transformation		9
258	An efficient algorithm for MR image reconstruction without low spatial frequencies. *IEEE Transactions on Medical Imaging*, **1990**, 9, 184-9	11.7	9
257	Co-Clustering to Reveal Salient Facial Features for Expression Recognition. *IEEE Transactions on Affective Computing*, **2020**, 11, 348-360	5.7	9
256	Deep Class-Wise Hashing: Semantics-Preserving Hashing via Class-Wise Loss. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 1681-1695	10.3	9
255	Node-based differential network analysis in genomics. *Computational Biology and Chemistry*, **2017**, 69, 194-201	3.6	8
254	3DMMS: robust 3D Membrane Morphological Segmentation of C. elegans embryo. *BMC Bioinformatics*, **2019**, 20, 176	3.6	8
253	Adaptive Cockroach Colony Optimization for Rod-Like Robot Navigation. *Journal of Bionic Engineering*, **2015**, 12, 324-337	2.7	8
252	Decoding the EGFR mutation-induced drug resistance in lung cancer treatment by local surface geometric properties. *Computers in Biology and Medicine*, **2015**, 63, 293-300	7	8
251	Saliency detection via multiple-morphological and superpixel based fast fuzzy C-mean clustering network. *Expert Systems With Applications*, **2020**, 161, 113654	7.8	8
250	A graph spectrum based geometric biclustering algorithm. *Journal of Theoretical Biology*, **2013**, 317, 200-11	2.3	8
249	An online spatio-temporal tensor learning model for visual tracking and its applications to facial expression recognition. *Expert Systems With Applications*, **2017**, 90, 427-438	7.8	8
248	Short Exon Detection in DNA Sequences Based on Multifeature Spectral Analysis. *Eurasip Journal on Advances in Signal Processing*, **2011**, 2011,	1.9	8
247	Geometric biclustering analysis of DNA microarray data based on hypergraph partitioning **2010**,		8
246	Physical signals for protein-DNA recognition. *Physical Biology*, **2009**, 6, 036012	3	8

245	A new probabilistic relaxation method based on probability space partition. *Pattern Recognition*, **1997**, 30, 1905-1917	7.7	8
244	HoughFeature, a novel method for assessing drug effects in three-color cDNA microarray experiments. *BMC Bioinformatics*, **2007**, 8, 256	3.6	8
243	A POCS-based constrained total least squares algorithm for image restoration. *Journal of Visual Communication and Image Representation*, **2006**, 17, 986-1003	2.7	8
242	Newspaper layout analysis incorporating connected component separation. *Image and Vision Computing*, **2004**, 22, 307-317	3.7	8
241	Loop-free snakes for highly irregular object shapes. *Pattern Recognition Letters*, **2002**, 23, 579-591	4.7	8
240	Modeling and animation of human expressions using NURBS curves based on facial anatomy. *Signal Processing: Image Communication*, **2002**, 17, 457-465	2.8	8
239	Classification of short human exons and introns based on statistical features. *Physical Review E*, **2003**, 67, 061916	2.4	8
238	Time-series prediction based on pattern classification. *Advanced Engineering Informatics*, **2001**, 15, 61-69		8
237	Stroke extraction as pre-processing step to improve thinning results of Chinese characters. *Pattern Recognition Letters*, **2000**, 21, 817-825	4.7	8
236	Mending broken handwriting with a macrostructure analysis method to improve recognition. *Pattern Recognition Letters*, **1999**, 20, 855-864	4.7	8
235	Predicting new indications of compounds with a network pharmacology approach: Liuwei Dihuang Wan as a case study. *Oncotarget*, **2017**, 8, 93957-93968	3.3	8
234	Biclustering of Microarray Data Based on Singular Value Decomposition. *Lecture Notes in Computer Science*, **2007**, 194-205	0.9	8
233	Exploiting higher-order patterns for community detection in attributed graphs. *Integrated Computer-Aided Engineering*, **2021**, 28, 207-218	5.2	8
232	. *IEEE Transactions on Multimedia*, **2021**, 23, 2902-2916	6.6	8
231	An Eigen-Binding Site Based Method for the Analysis of Anti-EGFR Drug Resistance in Lung Cancer Treatment. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2017**, 14, 1187-1194	3	7
230	Fruit classification based on weighted score-level feature fusion. *Journal of Electronic Imaging*, **2016**, 25, 013009	0.7	7
229	Parametric Models for Understanding Atomic Trajectories in Different Domains of Lung Cancer Causing Protein. *IEEE Access*, **2019**, 7, 67551-67563	3.5	7
228	Retina based biometric authentication using phase congruency. *International Journal of Machine Learning and Cybernetics*, **2014**, 5, 933-945	3.8	7

227	A Model-Based Segmentation Method for Handwritten Numeral Strings. *Computer Vision and Image Understanding*, **1998**, 70, 383-403	4.3	7
226	Spectral analysis of microarray gene expression time series data of Plasmodium falciparum. *International Journal of Bioinformatics Research and Applications*, **2008**, 4, 337-49	0.9	7
225	Segmentation of cultured neurons using logical analysis of grey and distance difference. *Journal of Neuroscience Methods*, **2007**, 166, 125-37	3	7
224	Autoregressive Models for Spectral Analysis of Short Tandem Repeats in DNA Sequences **2006**,		7
223	Assessment of Microarray Data Clustering Results Based on a New Geometrical Index for Cluster Validity. *Soft Computing*, **2006**, 11, 341-348	3.5	7
222	Extraction of Glasses in Human Face Images. *Lecture Notes in Computer Science*, **2004**, 214-220	0.9	7
221	Content-lossless document image compression based on structural analysis and pattern matching. *Pattern Recognition*, **2000**, 33, 1277-1293	7.7	7
220	A new method for ROI extraction from motion affected MR images based on suppression of artifacts in the image background. *Signal Processing*, **2000**, 80, 867-881	4.4	7
219	Skeletonization algorithm based on cross segment analysis. *Optical Engineering*, **1999**, 38, 662	1.1	7
218	Susceptibility artifact reduction in fat suppression. *Magnetic Resonance in Medicine*, **1995**, 33, 582-7	4.4	7
217	Identifying Multi-Dimensional Co-Clusters in Tensors Based on Hyperplane Detection in Singular Vector Spaces. *PLoS ONE*, **2016**, 11, e0162293	3.7	7
216	PCA-HPR: a principle component analysis model for human promoter recognition. *Bioinformation*, **2008**, 2, 373-8	1.1	7
215	Unsupervised Domain Adaptation via Discriminative Manifold Propagation. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2020**, PP,	13.3	7
214	Computing the p-Spectral Radii of Uniform Hypergraphs with Applications. *Journal of Scientific Computing*, **2018**, 75, 1-25	2.3	7
213	DiffNetFDR: differential network analysis with false discovery rate control. *Bioinformatics*, **2019**, 35, 3184-3186	4.3	6
212	Analysis of the relationship between lung cancer drug response level and atom connectivity dynamics based on trimmed Delaunay triangulation. *Chemical Physics Letters*, **2016**, 652, 117-122	2.5	6
211	Autoregressive and iterative hidden Markov models for periodicity detection and solenoid structure recognition in protein sequences. *IEEE Journal of Biomedical and Health Informatics*, **2013**, 17, 436-41	7.2	6
210	. *Tsinghua Science and Technology*, **2009**, 14, 478-486	3.4	6

209	Study of microarray time series data based on Forward-Backward Linear Prediction and Singular Value Decomposition. *International Journal of Data Mining and Bioinformatics*, **2009**, 3, 145-59	0.5	6
208	Delineating low-count defective-contour SPECT lung scans for PE diagnosis using adaptive dual exponential thresholding and active contours. *International Journal of Imaging Systems and Technology*, **2010**, 20, 149-154	2.5	6
207	Correction of motion artifacts in MRI caused by rotations at constant angular velocity. *Signal Processing*, **1998**, 70, 103-114	4.4	6
206	Multivariate hierarchical Bayesian model for differential gene expression analysis in microarray experiments. *BMC Bioinformatics*, **2008**, 9 Suppl 1, S9	3.6	6
205	Supervised classification of share price trends. *Information Sciences*, **2008**, 178, 3943-3956	7.7	6
204	Subdimension-based similarity measure for DNA microarray data clustering. *Physical Review E*, **2006**, 74, 041906	2.4	6
203	Spectral similarity for analysis of DNA microarray time-series data. *International Journal of Data Mining and Bioinformatics*, **2006**, 1, 150-61	0.5	6
202	Location of title and author regions in document images based on the Delaunay triangulation. *Image and Vision Computing*, **2004**, 22, 319-329	3.7	6
201	NURBS curve controlled modelling for facial animation. *Computers and Graphics*, **2003**, 27, 373-385	1.8	6
200	Effective statistical features for coding and non-coding DNA sequence classification for yeast, C. elegans and human. *International Journal of Bioinformatics Research and Applications*, **2005**, 1, 181-201	0.9	6
199	A Region-Based Scheme Using RKLT and Predictive Classified Vector Quantization. *Computer Vision and Image Understanding*, **1999**, 75, 269-280	4.3	6
198	An intelligent and attractable active contour model for boundary extraction **1999**,		6
197	Image reconstruction from Fourier domain data sampled along a zig-zag trajectory. *Magnetic Resonance in Medicine*, **1991**, 18, 405-10	4.4	6
196	Multi-scale parametric spectral analysis for exon detection in DNA sequences based on forward-backward linear prediction and singular value decomposition of the double-base curves. *Bioinformation*, **2008**, 2, 273-8	1.1	6
195	Discriminative Residual Analysis for Image Set Classification with Posture and Age Variations. *IEEE Transactions on Image Processing*, **2019**,	8.7	6
194	Protein complex detection based on partially shared multi-view clustering. *BMC Bioinformatics*, **2016**, 17, 371	3.6	6
193	EmDL: Extracting miRNA-Drug Interactions from Literature. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2019**, 16, 1722-1728	3	6
192	Elastic Net Constraint-Based Tensor Model for High-Order Graph Matching. *IEEE Transactions on Cybernetics*, **2021**, 51, 4062-4074	10.2	5

191	A study on the discriminating characteristics of Gabor phase-face and an improved method for face recognition. *International Journal of Machine Learning and Cybernetics*, **2016**, 7, 1115-1130	3.8	5
190	A Probabilistic Relaxation Labeling (PRL) Based Method for C. elegans Cell Tracking in Microscopic Image Sequences. *IEEE Journal on Selected Topics in Signal Processing*, **2016**, 10, 185-192	7.5	5
189	Unified formulation of linear discriminant analysis methods and optimal parameter selection. *Pattern Recognition*, **2011**, 44, 307-319	7.7	5
188	Searching for coexpressed genes in three-color cDNA microarray data using a probabilistic model-based Hough Transform. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2011**, 8, 1093-107	3	5
187	Finding human promoter groups based on DNA physical properties. *Physical Review E*, **2009**, 80, 041917	2.4	5
186	An optimally fast greedy algorithm for active contours		5
185	**2008**,		5
184	Segmentation of short human exons based on spectral features of double curves. *International Journal of Data Mining and Bioinformatics*, **2008**, 2, 15-35	0.5	5
183	Generalized Discriminant Analysis for Tumor Classification with Gene Expression Data **2006**,		5
182	Spectral Pattern Comparison Methods for Cancer Classification Based on Microarray Gene Expression Data. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2006**, 53, 2425-2430		5
181	Blocking artifact reduction in compressed images based on edge-adaptive quadrangle meshes. *Journal of Visual Communication and Image Representation*, **2003**, 14, 492-507	2.7	5
180	Efficient Matching and Retrieval of Gene Expression Time Series Data Based on Spectral Information. *Lecture Notes in Computer Science*, **2005**, 357-373	0.9	5
179	HUMAN FACE IMAGE PROCESSING TECHNIQUES. *International Journal of Image and Graphics*, **2001**, 01, 197-215	0.5	5
178	Efficient two-level image thresholding method based on Bayesian formulation and the maximum entropy principle. *Optical Engineering*, **2002**, 41, 2487	1.1	5
177	A hybrid method for unconstrained handwritten numeral recognition by combining structural and neural gas classifiers. *Pattern Recognition Letters*, **2000**, 21, 625-635	4.7	5
176	Object recognition using fractal neighbor distance: eventual convergence and recognition rates		5
175	Handwritten signature verification based on neural 'gas' based vector quantization		5
174	Handwritten digit recognition using two-layer self-organizing maps. *International Journal of Neural Systems*, **1994**, 5, 357-62	6.2	5

173	. *IEEE Transactions on Circuits and Systems*, **1991**, 38, 1108-1110	5
172	Noise reduction in MR echo planar image reconstruction. *IEEE Transactions on Medical Imaging*, **1991**, 10, 148-53	11.7 5
171	A NEW STRATEGY OF GEOMETRICAL BICLUSTERING FOR MICROARRAY DATA ANALYSIS **2007**,	5
170	Stability Analysis at Key Positions of EGFR Related to Non-small Cell Lung Cancer. *Current Bioinformatics*, **2020**, 15, 260-267	4.7 5
169	Contour and region harmonic features for sub-local facial expression recognition. *Journal of Visual Communication and Image Representation*, **2020**, 73, 102949	2.7 5
168	Feature selection based on co-clustering for effective facial expression recognition **2016**,	5
167	Image Correspondence With CUR Decomposition-Based Graph Completion and Matching. *IEEE Transactions on Circuits and Systems for Video Technology*, **2020**, 30, 3054-3067	6.4 5
166	Deep center-based dual-constrained hashing for discriminative face image retrieval. *Pattern Recognition*, **2021**, 117, 107976	7.7 5
165	Multiscale co-clustering for tensor data based on canonical polyadic decomposition and slice-wise factorization. *Information Sciences*, **2019**, 503, 72-91	7.7 4
164	Support System Using Microsoft Kinect and Mobile Phone for Daily Activity of Visually Impaired **2015**, 425-440	4
163	Mining of proteinþrotein interfacial residues from massive protein sequential and spatial data. *Fuzzy Sets and Systems*, **2015**, 258, 101-116	3.7 4
162	Joint reconstruction of multiple gene networks by simultaneously capturing inter-tumor and intra-tumor heterogeneity. *Bioinformatics*, **2020**, 36, 2755-2762	7.2 4
161	Selectivity profile of afatinib for EGFR-mutated non-small-cell lung cancer. *Molecular BioSystems*, **2016**, 12, 1552-63	4
160	Dimensionality reduction and topographic mapping of binary tensors. *Pattern Analysis and Applications*, **2014**, 17, 497-515	2.3 4
159	An FPGA based scalable architecture of a stochastic state point process filter (SSPPF) to track the nonlinear dynamics underlying neural spiking. *Microelectronics Journal*, **2014**, 45, 690-701	1.8 4
158	Hybrid method for the analysis of time series gene expression data. *Knowledge-Based Systems*, **2012**, 35, 14-20	7.3 4
157	**2013**,	4
156	Correlation between the flexibility and periodic dinucleotide patterns in yeast nucleosomal DNA sequences. *Journal of Theoretical Biology*, **2011**, 284, 92-8	2.3 4

155	The relationship between periodic dinucleotides and the nucleosomal DNA deformation revealed by normal mode analysis. *Physical Biology*, **2011**, 8, 066004	3	4
154	Object representation based on contour features and recognition by a Hopfield-Amari network. *Neurocomputing*, **1997**, 16, 127-138	5.4	4
153	A new automated delineation method for SPECT lung scans using adaptive dual-exponential thresholding. *International Journal of Imaging Systems and Technology*, **2007**, 17, 22-27	2.5	4
152	A curve tracing algorithm using level set based affine transform. *Pattern Recognition Letters*, **2007**, 28, 181-196	4.7	4
151	Human Promoter Recognition using Kullback-Leibler Divergence **2007**,		4
150	Cluster validity for DNA microarray data using a geometrical index **2005**,		4
149	Modelling and combining emotions, visual speech and gestures in virtual head models. *Signal Processing: Image Communication*, **2006**, 21, 429-449	2.8	4
148	A Computational Approach to Gene Expression Data Extraction and Analysis. *Journal of Signal Processing Systems*, **2004**, 38, 237-258		4
147	A smoothness constraint set based on local statistics of BDCT coefficients for image postprocessing. *Image and Vision Computing*, **2005**, 23, 731-737	3.7	4
146	Reconstruction of character skeletons using Gabor filter features. *Electronics Letters*, **1995**, 31, 1911-1912	1.1	4
145	. *IEEE Transactions on Signal Processing*, **1995**, 43, 2193-2194	4.8	4
144	Information fusion by fuzzy integral		4
143	A clinically viable technique of fat suppression for abdomen and pelvis. *Magnetic Resonance in Medicine*, **1991**, 21, 320-6	4.4	4
142	BUILDING A ROBUST NEAREST NEIGHBOR CLASSIFIER CONTAINING ONLY A SMALL NUMBER OF PROTOTYPES. *International Journal of Neural Systems*, **1992**, 03, 361-369	6.2	4
141	Compression and reconstruction of MRI images using 2D DCT. *Magnetic Resonance Imaging*, **1992**, 10, 427-32	3.3	4
140	MCNF: A Novel Method for Cancer Subtyping by Integrating Multi-Omics and Clinical Data. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2020**, 17, 1682-1690	3	4
139	Joint Transformation Learning via the L-Norm Metric for Robust Graph Matching. *IEEE Transactions on Cybernetics*, **2021**, 51, 521-533	10.2	4
138	Learning Kernel for Conditional Moment-Matching Discrepancy-Based Image Classification. *IEEE Transactions on Cybernetics*, **2021**, 51, 2006-2018	10.2	4

137	Fuzzy SLIC: Fuzzy Simple Linear Iterative Clustering. *IEEE Transactions on Circuits and Systems for Video Technology*, **2021**, 31, 2114-2124	6.4	4
136	A Joint Graphical Model for Inferring Gene Networks Across Multiple Subpopulations and Data Types. *IEEE Transactions on Cybernetics*, **2021**, 51, 1043-1055	10.2	4
135	A quadratic penalty method for hypergraph matching. *Journal of Global Optimization*, **2018**, 70, 237-259	1.5	4
134	Tagrec-CMTF: Coupled Matrix and Tensor Factorization for Tag Recommendation. *IEEE Access*, **2018**, 6, 64142-64152	3.5	4
133	Local Topology Preserved Tensor Models for Graph Matching **2015**,		3
132	The relationship between geometric patterns of hydrogen bonds and periodic dinucleotides in nucleosome structures. *Journal of Theoretical Biology*, **2012**, 313, 136-41	2.3	3
131	Detection and 2-dimensional display of short tandem repeats based on signal decomposition. *International Journal of Data Mining and Bioinformatics*, **2011**, 5, 661-90	0.5	3
130	Recent patents on biclustering algorithms for gene expression data analysis. *Recent Patents on DNA & Gene Sequences*, **2011**, 5, 117-25		3
129	Handwritten Digit Recognition by a Mixture of Local Principal Component Analysis. *Neural Processing Letters*, **1998**, 8, 241-252	2.4	3
128	Blood Vessel Extraction Based on Mumford Shah Model and Skeletonization **2006**,		3
127	A new cluster validity index for data with merged clusters and different densities		3
126	Data Mining for Bioinformatics **2005**, 63-116		3
125	A new efficient expression generation and automatic cloning method for multimedia actors. *Circuits, Systems, and Signal Processing*, **2001**, 20, 447-484	2.2	3
124	A fast method for estimation of object rotation function in MRI using a similarity criterion among k-space overlap data. *Signal Processing*, **1999**, 78, 215-230	4.4	3
123	Adaptive thresholding method for binarization blueprint images		3
122	Iterative restoration of MR images corrupted with translational motion. *Journal of Visual Communication and Image Representation*, **1992**, 3, 325-337	2.7	3
121	MR image compression using iterated function systems. *Magnetic Resonance Imaging*, **1993**, 11, 727-32	3.3	3
120	. *IEEE Transactions on Acoustics, Speech, and Signal Processing*, **1990**, 38, 1654-1656		3

119	Bicluster Analysis of Currency Exchange Rates **2008**, 19-34		3
118	Prediction of Protein-Protein Interactions Based on Molecular Interface Features and the Support Vector Machine. *Current Bioinformatics*, **2013**, 8, 3-8	4.7	3
117	Analysis of the Relative Movements Between EGFR and Drug Inhibitors Based on Molecular Dynamics Simulation. *Current Bioinformatics*, **2018**, 13, 299-309	4.7	3
116	Periodicity analysis of DNA microarray gene expression time series profiles in mouse segmentation clock data. *Statistics and Its Interface*, **2010**, 3, 413-418	0.4	3
115	Recognizing Bangladeshi Currency for Visually Impaired. *Communications in Computer and Information Science*, **2014**, 129-135	0.3	3
114	Hypergraph Clustering Using a New Laplacian Tensor with Applications in Image Processing. *SIAM Journal on Imaging Sciences*, **2020**, 13, 1157-1178	1.9	3
113	Inference of cellular level signaling networks using single-cell gene expression data in Caenorhabditis elegans reveals mechanisms of cell fate specification. *Bioinformatics*, **2017**, 33, 1528-1535	7.2	3
112	Proteo-chemometrics interaction fingerprints of protein-ligand complexes predict binding affinity. *Bioinformatics*, **2021**,	7.2	3
111	A Novel Regularized Model for Third-Order Tensor Completion. *IEEE Transactions on Signal Processing*, **2021**, 1-1	4.8	3
110	Sliced Inverse Regression With Adaptive Spectral Sparsity for Dimension Reduction. *IEEE Transactions on Cybernetics*, **2017**, 47, 759-771	10.2	2
109	Correlated Motions and Dynamics in Different Domains of EGFR with L858R and T790M Mutations. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2020**, PP,	3	2
108	Identification of DNA-binding and protein-binding proteins using enhanced graph wavelet features. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2013**, 10, 1017-31	3	2
107	Analysis of DNA deformation patterns in nucleosome core particles based on isometric feature mapping and continuous wavelet transform. *Chemical Physics Letters*, **2012**, 547, 73-81	2.5	2
106	A Flexible and Customizable Architecture for the Relaxation Labeling Algorithm. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2013**, 60, 106-110	3.5	2
105	Face recognition accuracy of Gabor phase representations at different scales and orientations **2011** ,		2
104	BSN: An automatic generation algorithm of social network data. *Journal of Systems and Software*, **2011**, 84, 1261-1269	3.3	2
103	Prediction of Protein-protein Interactions Using Alpha Shape Modeling **2011**,		2
102	Model-based multi-stage compression of human face images		2

101	Fuzzy clustering analysis of microarray data. *Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine*, **2008**, 222, 1143-8	1.7	2
100	Torso Detection in Static Images **2006**,		2
99	Compression of Chinese document images based on morphologic analysis and pattern matching. *Optical Engineering*, **2006**, 45, 107001	1.1	2
98	Lip-sync in human face animation based on video analysis and spline models		2
97	Robust clustering algorithm for suppression of outliers		2
96	Reducing artifacts in block-coded images using adaptive constraints. *Optical Engineering*, **2003**, 42, 2900	1.1	2
95	Microarray Data Analysis **2005**, 353-388		2
94	Document layout extraction using soft ordering. *Optical Engineering*, **2002**, 41, 2831	1.1	2
93	Graphic matching based on constrained Voronoi diagrams		2
92	An emotional viseme compiler for facial animation		2
91	Distributive properties of main overlap and noise terms in Autoassociative Memory Networks. *Neural Networks*, **1995**, 8, 405-410	9.1	2
90	Writer verification using multiple neural networks		2
89	Approximate solutions of the bloch equations for selective excitation. *Journal of Magnetic Resonance*, **1987**, 75, 83-95		2
88	The relation of HSVD to LPSVD for fitting time-domain signals. *Journal of Magnetic Resonance*, **1988**, 80, 324-327		2
87	Structure-based protein-ligand interaction fingerprints for binding affinity prediction.. *Computational and Structural Biotechnology Journal*, **2021**, 19, 6291-6300	6.8	2
86	Anomaly Detection Based on Motion Direction. *Zidonghua Xuebao/Acta Automatica Sinica*, **2009**, 34, 1348-1357		2
85	Entropy based sub-dimensional evaluation and selection method for DNA microarray data classification. *Bioinformation*, **2008**, 3, 124-9	1.1	2
84	Statistical investigation of position-specific deformation pattern of nucleosome DNA based on multiple conformational properties. *Bioinformation*, **2011**, 7, 120-4	1.1	2

83	WDNE: an integrative graphical model for inferring differential networks from multi-platform gene expression data with missing values. *Briefings in Bioinformatics*, **2021**, 22,	13.4	2
82	Differential network analysis by simultaneously considering changes in gene interactions and gene expression. *Bioinformatics*, **2021**,	7.2	2
81	Computational Analysis of Structural Dynamics of EGFR and its Mutants **2019**,		2
80	Constructing Dynamic Topic Models Based on Variational Autoencoder and Factor Graph. *IEEE Access*, **2018**, 6, 53102-53111	3.5	2
79	Superpixel Tensor Pooling for Visual Tracking Using Multiple Midlevel Visual Cues Fusion. *IEEE Access*, **2019**, 7, 147462-147469	3.5	1
78	Time-Varying Differential Network Analysis for Revealing Network Rewiring over Cancer Progression. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2021**, 18, 1632-1642	3	1
77	Computational Evaluation of EGFR Dynamic Characteristics in Mutation-Induced Drug Resistance Prediction **2015**,		1
76	Prediction of Protein-Protein Interactions Based on Molecular Interface Features and the Support Vector Machine. *Current Bioinformatics*, **2013**, 8, 3-8	4.7	1
75	Transcriptional protein-protein cooperativity in POU/HMG/DNA complexes revealed by normal mode analysis. *Computational and Mathematical Methods in Medicine*, **2013**, 2013, 854710	2.8	1
74	Integration of clustering and biclustering procedures for analysis of large DNA microarray datasets. *International Journal of Computational Biology and Drug Design*, **2011**, 4, 179-93	0.4	1
73	**2011**,		1
72	Selection and mapping of DNA structural features for short gene recognition. *International Journal of Data Mining and Bioinformatics*, **2012**, 6, 675-91	0.5	1
71	An Improved Position Weight Matrix Method Based on an Entropy Measure for the Recognition of Prokaryotic Promoters **2009**,		1
70	Multiconstrained gene clustering based on generalized projections. *BMC Bioinformatics*, **2010**, 11, 164	3.6	1
69	Clustering of DNA microarray temporal data based on the autoregressive model. *Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics*, **2008**,	2	1
68	LPC-VQ based Hidden Markov Models for Similarity Searching in DNA Sequences **2006**,		1
67	Periodicity Identification of Microarray Time Series Data based on Spectral Analysis **2006**,		1
66	Image Recovery from Broken Image Streams **2007**,		1

65	Improved Clustering Algorithm Based on Calculus of Variation **2006**,		1
64	Connected pattern segmentation and title grouping in newspaper images **2004**,		1
63	Modeling of deformation using NURBS curves as controller. *Signal Processing: Image Communication*, **2003**, 18, 419-425	2.8	1
62	A novel OPTOC-based clustering algorithm for gene expression data analysis		1
61	DNA microarray image processing based on minimum error segmentation and histogram analysis **2005**, 5667, 562		1
60	Robust topology-adaptive snakes for image segmentation		1
59	Determining and controlling convergence in fractal image coding **2000**,		1
58	An adaptive fuzzy clustering algorithm for medical image segmentation		1
57	Suppression of rotational motion artifacts in MRI using a fuzzy data model and POCS with soft constraints		1
56	Loop-free snakes for image segmentation		1
55	Segmentation of map image using opponent color dimensions. *Color Research and Application*, **1996**, 21, 115-120	1.3	1
54	Locating address blocks and postcodes in mail-piece images **1996**,		1
53	An Improved Method for Locating and Extracting the Eye in Human Face Images **1996**,		1
52	The relation of low frequency restoration methods to the Gerchberg-Papoulis algorithm. *Magnetic Resonance in Medicine*, **1990**, 16, 166-72	4.4	1
51	A novel analysis of selective excitation and phase reversal. *Journal of Magnetic Resonance*, **1987**, 73, 448-458		1
50	Patch-Aware Deep Hyperspectral and Multispectral Image Fusion by Unfolding Subspace-Based Optimization Model. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2022**, 15, 1024-1038	4.7	1
49	Rotational Motion Artifact Correction Based on Fuzzy Projection onto Convex Sets **2002**, 125-166		1
48	On a New Class of Framelet Kernels for Support Vector Regression and Regularization Networks **2007**, 355-366		1

#	Title		
47	A Hierarchical Multilevel Image Thresholding Method Based on the Maximum Fuzzy Entropy Principle274-302		1
46	Prediction of nucleosome positions in the yeast genome based on matched mirror position filtering. *Bioinformation*, **2009**, 3, 454-9	1.1	1
45	Cascade feature selection and coarse-to-fine mechanism for nighttime multiclass vehicle detection. *Journal of Electronic Imaging*, **2018**, 27, 1	0.7	1
44	Bicluster Analysis for Coherent Pattern Discovery **2015**, 1665-1674		1
43	Gabor Wavelets in Behavioral Biometrics **2010**, 121-150		1
42	An Efficient Randomized Algorithm for Computing the Approximate Tucker Decomposition. *Journal of Scientific Computing*, **2021**, 88, 1	2.3	1
41	Identifying protein complexes via multi-network clustering **2016**,		1
40	Differential Network Analysis via Weighted Fused Conditional Gaussian Graphical Model. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2020**, 17, 2162-2169	3	1
39	Accurate Cell Segmentation Based on Biological Morphology Features **2018**,		1
38	Modeling of Facial Expressions Using NURBS Curves. *Lecture Notes in Computer Science*, **2001**, 216-223	0.9	1
37	Geometric Biclustering and Its Applications to Cancer Tissue Classification Based on DNA Microarray Gene Expression Data **2009**, 19-53		1
36	A Regularized Clustering Algorithm Based on Calculus of Variations. *Journal of Signal Processing Systems*, **2008**, 50, 281-292	1.4	0
35	Comparison of multilayer neural network and Nearest Neighbor Classifiers for handwritten digit recognition. *International Journal of Neural Systems*, **1995**, 6, 417-23	6.2	0
34	Improved selective 180° radiofrequency pulses for magnetization inversion and phase reversal. *Journal of Magnetic Resonance*, **1987**, 71, 116-131		0
33	Hierarchical scale convolutional neural network for facial expression recognition. *Cognitive Neurodynamics*,1	4.2	0
32	Combined angular margin and cosine margin softmax loss for music classification based on spectrograms. *Neural Computing and Applications*,1	4.8	0
31	Superpixel Based Hierarchical Segmentation for Color Image. *IEICE Transactions on Information and Systems*, **2020**, E103.D, 2246-2249	0.6	0
30	COMPUTER TECHNIQUES FOR THE AUTOMATIC SEGMENTATION OF 3D MR BRAIN IMAGES **2005**, 307-357		0

29	Genotype-determined EGFR-RTK heterodimerization and its effects on drug resistance in lung Cancer treatment revealed by molecular dynamics simulations. *BMC Molecular and Cell Biology*, **2021**, 22, 34	2.7	0
28	Visualization of Protein-Drug Interactions for the Analysis of Drug Resistance in Lung Cancer. *IEEE Journal of Biomedical and Health Informatics*, **2021**, 25, 1839-1848	7.2	0
27	An Efficient Parallel Processor for Dense Tensor Computation. *IEEE Transactions on Very Large Scale Integration (VLSI) Systems*, **2021**, 29, 1335-1347	2.6	0
26	Star topology convolution for graph representation learning. *Complex & Intelligent Systems*,1	7.1	0
25	A unified formulation of a class of graph matching techniques. *Pattern Recognition*, **2019**, 95, 223-234	7.7	
24	Multimodal Co-clustering Analysis of Big Data Based on Matrix and Tensor Decomposition **2019**, 95-124		
23	Genome-wide nucleosome detection based on the dinucleotide position frequencies. *International Journal of Data Mining and Bioinformatics*, **2014**, 10, 285-99	0.5	
22	Chapter 2: Identification of Genes and their Regulatory Regions Based on Multiple Physical and Structural Properties of a DNA Sequence. *Science, Engineering, and Biology Informatics*, **2014**, 33-65		
21	A Survey on Structural Analysis of Nucleosome Core Particles. *Current Bioinformatics*, **2013**, 8, 112-132	4.7	
20	Measurement of retinal arteriolar diameters from auto scale phase congruency with fuzzy weighting and L1 regularization. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2012**, 2012, 1434-7	0.9	
19	Image processing and reconstruction of cultured neuron skeletons. *International Journal of Hybrid Intelligent Systems*, **2008**, 5, 179-196	0.9	
18	Document image retrieval based on multi-density features. *Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities*, **2007**, 2, 172-175		
17	New curve-tracing algorithm based on a minimum-spanning-tree model and regularized fuzzy clustering. *Optical Engineering*, **2006**, 45, 017201	1.1	
16	OPTOC-Based Clustering Analysis of Gene Expression Profiles in Spectral Space. *Lecture Notes in Computer Science*, **2005**, 709-718	0.9	
15	Constrained learning vector quantization. *International Journal of Neural Systems*, **1994**, 5, 143-52	6.2	
14	A new selective presaturation pulse for imaging and spectroscopy. *Journal of Magnetic Resonance*, **1991**, 92, 421-428		
13	Improved parametric spectral estimation using a peak extraction technique. *Journal of Magnetic Resonance*, **1989**, 81, 400-405		
12	The performance of LP-ZOOM for local spectral analysis of NMR Signals. *Journal of Magnetic Resonance*, **1990**, 88, 354-358		

11   The equivalence of spin inversion and phase reversal using symmetric pulses. *Journal of Magnetic Resonance*, **1987**, 75, 427-433

10   Gabor and Log-Gabor Wavelet for Face Recognition62-81

9   Mean Shift and Morphology Based Segmentation Scheme for DNA Microarray Images. *Lecture Notes in Computer Science*, **2005**, 41-50   0.9

8   Parametric Spectral Analysis of Malaria Gene Expression Time Series Data. *Lecture Notes in Computer Science*, **2006**, 32-41   0.9

7   Temporal Gene Expression Profiles Reconstruction by Support Vector Regression and Framelet Kernel. *Lecture Notes in Computer Science*, **2010**, 68-74   0.9

6   Multilinear Decomposition and Topographic Mapping of Binary Tensors. *Lecture Notes in Computer Science*, **2010**, 317-326   0.9

5   SPECT Lung Delineation. *Lecture Notes in Electrical Engineering*, **2011**, 307-317   0.2

4   A Hierarchical Multilevel Image Thresholding Method Based on the Maximum Fuzzy Entropy Principle **2013**, 241-272

3   Image Processing and Reconstruction of Cultured Neuron Skeletons. *Studies in Computational Intelligence*, **2013**, 43-78   0.8

2   Mechanism of Actions of Dexamethasone Against COVID-19 Predicted by Alpha Shape Analysis of Binding Sites. *Current Bioinformatics*, **2021**, 16, 682-690   4.7

1   Eukaryotic Promoter Detection Based on Word and Sequence Feature Selection and Combination301-319