Aristidis Likas

List of Publications by Year
in descending order

66 papers	4,113 citations	430874 18 h-index	243625 44 g-index
71 all docs	71 docs citations	71 times ranked	3954 citing authors

#	Article	IF	Citations
1	The global k-means clustering algorithm. Pattern Recognition, 2003, 36, 451-461.	8.1	2,401
2	A Greedy EM Algorithm for Gaussian Mixture Learning. Neural Processing Letters, 2002, 15, 77-87.	3.2	229
3	The MinMax k-Means clustering algorithm. Pattern Recognition, 2014, 47, 2505-2516.	8.1	201
4	Bayesian feature and model selection for Gaussian mixture models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1013-1018.	13.9	168
5	Kernel-Based Weighted Multi-view Clustering. , 2012, , .		159
6	Automated Ischemic Beat Classification Using Genetic Algorithms and Multicriteria Decision Analysis. IEEE Transactions on Biomedical Engineering, 2004, 51, 1717-1725.	4.2	89
7	Unsupervised Learning of Gaussian Mixtures Based on Variational Component Splitting. IEEE Transactions on Neural Networks, 2007, 18, 745-755.	4.2	86
8	An ischemia detection method based on artificial neural networks. Artificial Intelligence in Medicine, 2002, 24, 167-178.	6.5	82
9	Training the random neural network using quasi-Newton methods. European Journal of Operational Research, 2000, 126, 331-339.	5.7	53
10	The mixtures of Student's t-distributions as a robust framework for rigid registration. Image and Vision Computing, 2009, 27, 1285-1294.	4.5	53
11	An Incremental Training Method for the Probabilistic RBF Network. IEEE Transactions on Neural Networks, 2006, 17, 966-974.	4.2	45
12	The global kernel k-means clustering algorithm. , 2008, , .		42
13	Visual tracking using the Earth Mover's Distance between Gaussian mixtures and Kalman filtering. Image and Vision Computing, 2011, 29, 295-305.	4.5	38
14	Use of a novel rule-based expert system in the detection of changes in the ST segment and the T wave in long duration ECGs. Journal of Electrocardiology, 2002, 35, 27-34.	0.9	37
15	Mixture of Experts Classification Using a Hierarchical Mixture Model. Neural Computation, 2002, 14, 2221-2244.	2.2	36
16	A Reinforcement Learning Approach to Online Clustering. Neural Computation, 1999, 11, 1915-1932.	2.2	35
17	Weighted multi-view key-frame extraction. Pattern Recognition Letters, 2016, 72, 52-61.	4.2	31
18	Text document clustering using global term context vectors. Knowledge and Information Systems, 2012, 31, 455-474.	3.2	30

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19	Deep Belief Networks for Spam Filtering. , 2007, , .		24
20	Movie segmentation into scenes and chapters using locally weighted bag of visual words. , 2009, , .		23
21	Reinforcement Learning Using the Stochastic Fuzzy Min–Max Neural Network. Neural Processing Letters, 2001, 13, 213-220.	3.2	22
22	Automatic discrimination of actinic keratoses from clinical photographs. Computers in Biology and Medicine, 2017, 88, 50-59.	7.0	19
23	Sparse regression mixture modeling with the multi-kernel relevance vector machine. Knowledge and Information Systems, 2014, 39, 241-264.	3.2	17
24	Scene Detection in Videos Using Shot Clustering and Symbolic Sequence Segmentation. , 2007, , .		14
25	LARGE SCALE MULTIKERNEL RELEVANCE VECTOR MACHINE FOR OBJECT DETECTION. International Journal on Artificial Intelligence Tools, 2007, 16, 967-979.	1.0	12
26	Variational Bayesian Blind Image Deconvolution with Student-T Priors. Proceedings International Conference on Image Processing, 2007, , .	0.0	11
27	Semi-supervised and active learning with the probabilistic RBF classifier. Neurocomputing, 2008, 71, 2489-2498.	5.9	11
28	Registering sets of points using Bayesian regression. Neurocomputing, 2012, 89, 122-133.	5.9	10
29	A reinforcement learning approach based on the fuzzy min-max neural network. Neural Processing Letters, 1996, 4, 167-172.	3.2	9
30	Visual tracking using spatially weighted likelihood of Gaussian mixtures. Computer Vision and Image Understanding, 2015, 140, 43-57.	4.7	9
31	Improving Text Stream Clustering using Term Burstiness and Co-burstiness. , 2016, , .		9
32	Robust Image Registration using Mixtures of t-distributions. , 2007, , .		7
33	Late fusion of deep and shallow features to improve discrimination of actinic keratosis from normal skin using clinical photography. Skin Research and Technology, 2019, 25, 538-543.	1.6	6
34	Efficiently Explaining Decisions of Probabilistic RBF Classification Networks. Lecture Notes in Computer Science, 2011, , 169-179.	1.3	6
35	Efficient Video Shot Summarization Using an Enhanced Spectral Clustering Approach. Lecture Notes in Computer Science, 2008, , 847-856.	1.3	6
36	A parallel algorithm for the minimum weighted vertex cover problem. Information Processing Letters, 1995, 53, 229-234.	0.6	5

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37	Combining Gaussian Mixture Models and Support Vector Machines for Relevance Feedback in Content Based Image Retrieval. IFIP Advances in Information and Communication Technology, 2009, , 249-258.	0.7	5
38	Scanning X-ray Fluorescence Data Analysis for the Identification of Byzantine Icons' Materials, Techniques, and State of Preservation: A Case Study. Journal of Imaging, 2022, 8, 147.	3.0	5
39	HIGH CAPACITY ASSOCIATIVE MEMORY BASED ON THE RANDOM NEURAL NETWORK MODEL. International Journal of Pattern Recognition and Artificial Intelligence, 1996, 10, 919-937.	1.2	4
40	Semi unsupervised M-FISH chromosome image classification. , 2010, , .		4
41	Elimination of Outliers from 2-D Point Sets Using the Helmholtz Principle. IEEE Signal Processing Letters, 2015, 22, 1638-1642.	3.6	4
42	Region merging for image segmentation based on unimodality tests. , 2017, , .		4
43	Real time visual tracking using a spatially weighted von Mises mixture model. Pattern Recognition Letters, 2017, 90, 50-57.	4.2	4
44	Incremental Mixture Learning for Clustering Discrete Data. Lecture Notes in Computer Science, 2004, , 210-219.	1.3	4
45	Rigid Image Registration based on Pixel Grouping. , 2007, , .		3
46	Modeling sets of unordered points using highly eccentric ellipses. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.7	3
47	The Projected Dip-means Clustering Algorithm. , 2018, , .		3
48	Image Modeling and Segmentation Using Incremental Bayesian Mixture Models. Lecture Notes in Computer Science, 2007, , 596-603.	1.3	3
49	Training Reinforcement Neurocontrollers Using the Polytope Algorithm. Neural Processing Letters, 1999, 9, 119-127.	3.2	2
50	Application of Relevance Feedback in Content Based Image Retrieval Using Gaussian Mixture Models. , 2008, , .		2
51	Visual Tracking by Weighted Likelihood Maximization. , 2012, , .		2
52	The Mixture of Multi-kernel Relevance Vector Machines Model. , 2012, , .		2
53	Multi-Threshold LIP Contour Detection. , 2018, , .		2
54	Active Learning with the Probabilistic RBF Classifier. Lecture Notes in Computer Science, 2006, , 357-366.	1.3	2

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55	Face clustering using a weighted combination of deep representations. Neural Computing and Applications, 2022, 34, 995-1006.	5.6	2
56	Characterizing Malignant Melanoma Clinically Resembling Seborrheic Keratosis Using Deep Knowledge Transfer. Cancers, 2021, 13, 6300.	3.7	2
57	Bayesian Image Restoration Based On Variatonal Inference and a Product of Student-t Priors. IEEE International Workshop on Machine Learning for Signal Processing, 2007, , .	0.0	1
58	Camera Motion Detection Through Frame Splitting and Combination of Region-Based Motion Signals. International Journal of Pattern Recognition and Artificial Intelligence, 2018, 32, 1855015.	1.2	1
59	Probabilistic Models Based on the Î-Sigmoid Distribution. Lecture Notes in Computer Science, 2008, , 36-43.	1.3	1
60	A natural model and a parallel algorithm for approximately solving the maximum weighted independent set problem. Chaos, Solitons and Fractals, 1995, 5, 739-746.	5.1	0
61	Active Bayesian Mixture Learning for Image Modeling and Segmentation using Lowlevel Features. IEEE International Workshop on Machine Learning for Signal Processing, 2006, , .	0.0	0
62	Gaussian Mixture-based Mean Shift for Tracking under Abrupt Illumination Changes. , 2012, , .		0
63	Global sampling of image edges. , 2014, , .		0
64	The Inclusion Measure for Community Evaluation and Detection in Unweighted Networks. , 2018, , .		0
65	Efficient Training Algorithms for the Probabilistic RBF Network. Lecture Notes in Computer Science, 2004, , 183-190.	1.3	0
66	A GREEDY METHOD FOR MIXTURE-BASED CLASSIFICATION. , 2004, , .		0