

# Li Zhang

## List of Publications by Year in descending order

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72  
papers

2,237  
citations

361413  
20  
h-index

223800  
46  
g-index

76  
all docs

76  
docs citations

76  
times ranked

2125  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wavelet Support Vector Machine. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 34-39.	5.0	424
2	Kernel Sparse Representation-Based Classifier. IEEE Transactions on Signal Processing, 2012, 60, 1684-1695.	5.3	310
3	Learning similarity with cosine similarity ensemble. Information Sciences, 2015, 307, 39-52.	6.9	221
4	Jointly Learning Structured Analysis Discriminative Dictionary and Analysis Multiclass Classifier. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3798-3814.	11.3	127
5	Sparse ensembles using weighted combination methods based on linear programming. Pattern Recognition, 2011, 44, 97-106.	8.1	114
6	Feature clustering based support vector machine recursive feature elimination for gene selection. Applied Intelligence, 2018, 48, 594-607.	5.3	90
7	Linear programming support vector machines. Pattern Recognition, 2002, 35, 2927-2936.	8.1	82
8	Nonlinear feature selection using Gaussian kernel SVM-RFE for fault diagnosis. Applied Intelligence, 2018, 48, 3306-3331.	5.3	69
9	Sparse Codes Auto-Extractor for Classification: A Joint Embedding and Dictionary Learning Framework for Representation. IEEE Transactions on Signal Processing, 2016, 64, 3790-3805.	5.3	68
10	On the sparseness of 1-norm support vector machines. Neural Networks, 2010, 23, 373-385.	5.9	57
11	A fast gene selection method for multi-cancer classification using multiple support vector data description. Journal of Biomedical Informatics, 2015, 53, 381-389.	4.3	46
12	Semi-supervised concept factorization for document clustering. Information Sciences, 2016, 331, 86-98.	6.9	44
13	Hidden Space Support Vector Machines. IEEE Transactions on Neural Networks, 2004, 15, 1424-1434.	4.2	38
14	Double adjacency graphs-based discriminant neighborhood embedding. Pattern Recognition, 2015, 48, 1734-1742.	8.1	37
15	Kernel sparse representation-based classifier ensemble for face recognition. Multimedia Tools and Applications, 2015, 74, 123-137.	3.9	35
16	Fisher-regularized support vector machine. Information Sciences, 2016, 343-344, 79-93.	6.9	29
17	Density-induced margin support vector machines. Pattern Recognition, 2011, 44, 1448-1460.	8.1	25
18	Decision pyramid classifier for face recognition under complex variations using single sample per person. Pattern Recognition, 2017, 64, 305-313.	8.1	24

#	ARTICLE	IF	CITATIONS
19	DECISION TREE SUPPORT VECTOR MACHINE. International Journal on Artificial Intelligence Tools, 2007, 16, 1-15.	1.0	23
20	Incremental updating probabilistic neighborhood three-way regions with time-evolving attributes. International Journal of Approximate Reasoning, 2020, 120, 1-23.	3.3	22
21	Applying 1-norm SVM with squared loss to gene selection for cancer classification. Applied Intelligence, 2018, 48, 1878-1890.	5.3	22
22	SD-MSAEs: Promoter recognition in human genome based on deep feature extraction. Journal of Biomedical Informatics, 2016, 61, 55-62.	4.3	21
23	Iteratively local fisher score for feature selection. Applied Intelligence, 2021, 51, 6167-6181.	5.3	21
24	Feature weight estimation based on dynamic representation and neighbor sparse reconstruction. Pattern Recognition, 2018, 81, 388-403.	8.1	18
25	Local preserving logistic I-Relief for semi-supervised feature selection. Neurocomputing, 2020, 399, 48-64.	5.9	18
26	Sparse Auto-encoder with Smoothed $\ell_1$ Regularization. Neural Processing Letters, 2018, 47, 829-839.	3.2	15
27	CTSVN: A robust twin support vector machine with correntropy-induced loss function for binary classification problems. Information Sciences, 2021, 559, 22-45.	6.9	15
28	A dynamic framework for updating neighborhood multigranulation approximations with the variation of objects. Information Sciences, 2020, 519, 382-406.	6.9	14
29	Evolutionary dynamics of continuous strategy games on graphs and social networks under weak selection. BioSystems, 2013, 111, 102-110.	2.0	13
30	SUPPORT VECTOR MACHINES BASED ON THE ORTHOGONAL PROJECTION KERNEL OF FATHER WAVELET. International Journal of Computational Intelligence and Applications, 2005, 05, 283-303.	0.8	12
31	Similarity-balanced discriminant neighbor embedding and its application to cancer classification based on gene expression data. Computers in Biology and Medicine, 2015, 64, 236-245.	7.0	12
32	Laplacian pair-weight vector projection for semi-supervised learning. Information Sciences, 2021, 573, 1-19.	6.9	11
33	Generalized nonlinear discriminant analysis and its small sample size problems. Neurocomputing, 2011, 74, 568-574.	5.9	10
34	Dynamic dominance-based multigranulation rough sets approaches with evolving ordered data. International Journal of Machine Learning and Cybernetics, 2021, 12, 17-38.	3.6	9
35	A supervised neighborhood preserving embedding for face recognition. , 2014, , .		7
36	Multiple SVM-RFE for multi-class gene selection on DNA Microarray data. , 2015, , .		7

#	ARTICLE	IF	CITATIONS
37	Dissimilarity-based nearest neighbor classifier for single-sample face recognition. Visual Computer, 2021, 37, 673-684.	3.5	7
38	Iterative rating prediction for neighborhood-based collaborative filtering. Applied Intelligence, 2021, 51, 6810-6822.	5.3	7
39	Fast Gaussian kernel support vector machine recursive feature elimination algorithm. Applied Intelligence, 2021, 51, 9001-9014.	5.3	7
40	A recursive feature retention method for semi-supervised feature selection. International Journal of Machine Learning and Cybernetics, 2021, 12, 2639-2657.	3.6	7
41	A fast algorithm for kernel 1-norm support vector machines. Knowledge-Based Systems, 2013, 52, 223-235.	7.1	6
42	Supervised sparse neighbourhood preserving embedding. IET Image Processing, 2017, 11, 190-199.	2.5	6
43	Significant Anatomy Detection Through Sparse Classification: A Comparative Study. IEEE Transactions on Medical Imaging, 2018, 37, 128-137.	8.9	6
44	Feature Extraction Based on Support Vector Data Description. Neural Processing Letters, 2019, 49, 643-659.	3.2	6
45	Deeper multi-column dilated convolutional network for congested crowd understanding. Neural Computing and Applications, 2022, 34, 1407-1422.	5.6	6
46	T <sup>2</sup> \$CNN: a novel method for crowd counting via two-task convolutional neural network. Visual Computer, 2023, 39, 73-85.	3.5	6
47	Analysis of programming properties and the row&column generation method for 1-norm support vector machines. Neural Networks, 2013, 48, 32-43.	5.9	5
48	New fast feature selection methods based on multiple support vector data description. Applied Intelligence, 2018, 48, 1776-1790.	5.3	5
49	Efficient approaches for maintaining dominance-based multigranulation approximations with incremental granular structures. International Journal of Approximate Reasoning, 2020, 126, 202-227.	3.3	5
50	Fast neighbor user searching for neighborhood-based collaborative filtering with hybrid user similarity measures. Soft Computing, 2021, 25, 5323-5338.	3.6	5
51	Cascaded cluster ensembles. International Journal of Machine Learning and Cybernetics, 2012, 3, 335-343.	3.6	4
52	1-norm support vector novelty detection and its sparseness. Neural Networks, 2013, 48, 125-132.	5.9	4
53	Sparse modified marginal fisher analysis for facial expression recognition. Applied Intelligence, 2019, 49, 2659-2671.	5.3	4
54	Supervised locally linear embedding algorithm based on orthogonal matching pursuit. IET Image Processing, 2015, 9, 626-633.	2.5	3

#	ARTICLE	IF	CITATIONS
55	Multi-class Semi-supervised Logistic I-RELIEF Feature Selection Based on Nearest Neighbor. Lecture Notes in Computer Science, 2019, , 281-292.	1.3	3
56	Discriminant Mutual Information for Text Feature Selection. Lecture Notes in Computer Science, 2021, , 136-151.	1.3	3
57	L1-norm Laplacian support vector machine for data reduction in semi-supervised learning. Neural Computing and Applications, 0, , 1.	5.6	3
58	Sparse discriminant twin support vector machine for binary classification. Neural Computing and Applications, 2022, 34, 16173-16198.	5.6	3
59	Hidden space discriminant neighborhood embedding. , 2014, , .		2
60	A fast approximation algorithm for 1-norm SVM with squared loss. , 2015, , .		2
61	Fisher-regularized Support Vector Machine with Pinball Loss Function. , 2021, , .		2
62	Similarity learning based on multiple support vector data description. , 2015, , .		1
63	Time series prediction using sparse regression ensemble based on $\ell_2$ and $\ell_1$ problem. Soft Computing, 2015, 19, 781-792.	3.6	1
64	Sample Reduction Using $\ell_1$ -Norm Twin Bounded Support Vector Machine. Communications in Computer and Information Science, 2021, , 141-153.	0.5	1
65	Fast Backward Iterative Laplacian Score for Unsupervised Feature Selection. Lecture Notes in Computer Science, 2020, , 409-420.	1.3	1
66	Feature Selection Using Sparse Twin Bounded Support Vector Machine. Lecture Notes in Computer Science, 2020, , 357-369.	1.3	1
67	LCNet: A Light-Weight Network for Object Counting. Lecture Notes in Computer Science, 2020, , 411-422.	1.3	1
68	Forward Iterative Feature Selection Based on Laplacian Score. Lecture Notes in Computer Science, 2020, , 381-392.	1.3	1
69	Subspace Ensemble-Based Neighbor User Searching for Neighborhood-Based Collaborative Filtering. Lecture Notes in Computer Science, 2019, , 449-463.	1.3	0
70	Densely Multi-path Network for Single Image Super-Resolution. Lecture Notes in Computer Science, 2020, , 253-265.	1.3	0
71	Semi-supervised Feature Selection Using Sparse Laplacian Support Vector Machine. Communications in Computer and Information Science, 2020, , 107-118.	0.5	0
72	Feature Selection Using Sparse Twin Support Vector Machine with Correntropy-Induced Loss. Lecture Notes in Computer Science, 2020, , 434-445.	1.3	0