Zhiwen Yu

List of Publications by Year
in descending order

125 papers	3,430 citations	147801 31 h-index	149698 56 g-index
126 all docs	126 docs citations	126 times ranked	2419 citing authors

#	Article	IF	Citations
1	A survey on ensemble learning. Frontiers of Computer Science, 2020, 14, 241-258.	2.4	765
2	Graph-based consensus clustering for class discovery from gene expression data. Bioinformatics, 2007, 23, 2888-2896.	4.1	155
3	Incremental Semi-Supervised Clustering Ensemble for High Dimensional Data Clustering. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 701-714.	5.7	150
4	Hybrid <inline-formula> <tex-math notation="LaTeX">k </tex-math> </inline-formula>-Nearest Neighbor Classifier. IEEE Transactions on Cybernetics, 2016, 46, 1263-1275.	9.5	101
5	KNN-BLOCK DBSCAN: Fast Clustering for Large-Scale Data. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3939-3953.	9.3	97
6	Semi-supervised classification based on random subspace dimensionality reduction. Pattern Recognition, 2012, 45, 1119-1135.	8.1	96
7	Hybrid Adaptive Classifier Ensemble. IEEE Transactions on Cybernetics, 2015, 45, 177-190.	9.5	82
8	A Bayesian Model for Crowd Escape Behavior Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 85-98.	8.3	80
9	Adaptive Noise Immune Cluster Ensemble Using Affinity Propagation. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 3176-3189.	5.7	80
10	Functional echo state network for time series classification. Information Sciences, 2016, 373, 1-20.	6.9	80
11	Triple U-net: Hematoxylin-aware nuclei segmentation with progressive dense feature aggregation. Medical Image Analysis, 2020, 65, 101786.	11.6	74
12	Hybrid Classifier Ensemble for Imbalanced Data. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1387-1400.	11.3	62
13	Hybrid clustering solution selection strategy. Pattern Recognition, 2014, 47, 3362-3375.	8.1	61
14	Clustering by Local Gravitation. IEEE Transactions on Cybernetics, 2018, 48, 1383-1396.	9.5	61
15	SCÂ³: Triple Spectral Clustering-Based Consensus Clustering Framework for Class Discovery from Cancer Gene Expression Profiles. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 1751-1765.	3.0	60
16	Double Selection Based Semi-Supervised Clustering Ensemble for Tumor Clustering from Gene Expression Profiles. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2014, 11, 727-740.	3.0	60
17	Hybrid Fuzzy Cluster Ensemble Framework for Tumor Clustering from Biomolecular Data. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2013, 10, 657-670.	3.0	57
18	Adaptive Semi-Supervised Classifier Ensemble for High Dimensional Data Classification. IEEE Transactions on Cybernetics, 2019, 49, 366-379.	9.5	51

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19	Adaptive Ensembling of Semi-Supervised Clustering Solutions. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 1577-1590.	5.7	47
20	Semi-Supervised Ensemble Clustering Based on Selected Constraint Projection. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 2394-2407.	5.7	46
21	Distribution-Based Cluster Structure Selection. IEEE Transactions on Cybernetics, 2017, 47, 3554-3567.	9.5	45
22	A New Kind of Nonparametric Test for Statistical Comparison of Multiple Classifiers Over Multiple Datasets. IEEE Transactions on Cybernetics, 2017, 47, 4418-4431.	9.5	44
23	Knowledge Based Cluster Ensemble for Cancer Discovery From Biomolecular Data. IEEE Transactions on Nanobioscience, 2011, 10, 76-85.	3.3	43
24	End-to-End Incomplete Time-Series Modeling From Linear Memory of Latent Variables. IEEE Transactions on Cybernetics, 2020, 50, 4908-4920.	9.5	43
25	Hybrid cluster ensemble framework based on the random combination of data transformation operators. Pattern Recognition, 2012, 45, 1826-1837.	8.1	41
26	Class Discovery From Gene Expression Data Based on Perturbation and Cluster Ensemble. IEEE Transactions on Nanobioscience, 2009, 8, 147-160.	3.3	40
27	Semi-supervised ensemble classification in subspaces. Applied Soft Computing Journal, 2012, 12, 1511-1522.	7.2	38
28	Progressive subspace ensemble learning. Pattern Recognition, 2016, 60, 692-705.	8.1	37
29	Progressive Semisupervised Learning of Multiple Classifiers. IEEE Transactions on Cybernetics, 2018, 48, 689-702.	9.5	35
30	Hybrid Incremental Ensemble Learning for Noisy Real-World Data Classification. IEEE Transactions on Cybernetics, 2019, 49, 403-416.	9.5	33
31	Convolutional Multitimescale Echo State Network. IEEE Transactions on Cybernetics, 2021, 51, 1613-1625.	9.5	33
32	From cluster ensemble to structure ensemble. Information Sciences, 2012, 198, 81-99.	6.9	32
33	Probabilistic cluster structure ensemble. Information Sciences, 2014, 267, 16-34.	6.9	32
34	Semi-supervised classification based on subspace sparse representation. Knowledge and Information Systems, 2015, 43, 81-101.	3.2	32
35	Automatic Construction of Chinese Herbal Prescriptions From Tongue Images Using CNNs and Auxiliary Latent Therapy Topics. IEEE Transactions on Cybernetics, 2021, 51, 708-721.	9.5	32
36	Semi-Supervised Image Classification With Self-Paced Cross-Task Networks. IEEE Transactions on Multimedia, 2018, 20, 851-865.	7.2	31

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37	Simplified High-Order DOA and Range Estimation With Linear Antenna Array. IEEE Communications Letters, 2017, 21, 76-79.	4.1	27
38	Multiobjective Semisupervised Classifier Ensemble. IEEE Transactions on Cybernetics, 2019, 49, 2280-2293.	9.5	26
39	Mutual Learning of Complementary Networks via Residual Correction for Improving Semi-Supervised Classification. , 2019, , .		25
40	Transfer Clustering Ensemble Selection. IEEE Transactions on Cybernetics, 2020, 50, 2872-2885.	9.5	25
41	Incremental Weighted Ensemble Broad Learning System for Imbalanced Data. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 5809-5824.	5.7	23
42	Identifying Protein-Kinase-Specific Phosphorylation Sites Based on the Baggingâ€“AdaBoost Ensemble Approach. IEEE Transactions on Nanobioscience, 2010, 9, 132-143.	3.3	22
43	Adaptive Hybrid Feature Selection-Based Classifier Ensemble for Epileptic Seizure Classification. IEEE Access, 2018, 6, 29132-29145.	4.2	21
44	Exploring Correlations Among Tasks, Clusters, and Features for Multitask Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 355-368.	11.3	21
45	Neighborhood Knowledge-Based Evolutionary Algorithm for Multiobjective Optimization Problems. IEEE Transactions on Evolutionary Computation, 2011, 15, 812-831.	10.0	20
46	Multitask Feature Selection by Graph-Clustered Feature Sharing. IEEE Transactions on Cybernetics, 2020, 50, 74-86.	9.5	18
47	Semi-Supervised Deep Coupled Ensemble Learning With Classification Landmark Exploration. IEEE Transactions on Image Processing, 2020, 29, 538-550.	9.8	17
48	Fast and Effective Active Clustering Ensemble Based on Density Peak. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3593-3607.	11.3	16
49	Regularizing Discriminative Capability of CGANs for Semi-Supervised Generative Learning. , 2020, , .		15
50	Representative Distance: A New Similarity Measure for Class Discovery From Gene Expression Data. IEEE Transactions on Nanobioscience, 2012, 11, 341-351.	3.3	14
51	Progressive Hybrid Classifier Ensemble for Imbalanced Data. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2464-2478.	9.3	14
52	Stacked One-Class Broad Learning System for Intrusion Detection in Industry 4.0. IEEE Transactions on Industrial Informatics, 2023, 19, 251-260.	11.3	14
53	Adaptive Classifier Ensemble Method Based on Spatial Perception for High-Dimensional Data Classification. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 2847-2862.	5.7	13
54	Progressive Ensemble Kernel-Based Broad Learning System for Noisy Data Classification. IEEE Transactions on Cybernetics, 2022, 52, 9656-9669.	9.5	13

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55	Exploiting Global Low-Rank Structure and Local Sparsity Nature for Tensor Completion. IEEE Transactions on Cybernetics, 2019, 49, 3898-3910.	9.5	12
56	Extracting and Composing Robust Features With Broad Learning System. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 3885-3896.	5.7	12
57	Discovering Multiple Co-Clusterings With Matrix Factorization. IEEE Transactions on Cybernetics, 2021, 51, 3576-3587.	9.5	11
58	Hybrid Dimensionality Reduction Forest With Pruning for High-Dimensional Data Classification. IEEE Access, 2020, 8, 40138-40150.	4.2	11
59	Efficient Vaccine Distribution Based on a Hybrid Compartmental Model. PLoS ONE, 2016, 11, e0155416.	2.5	11
60	A Multi-Label Learning Method Using Affinity Propagation and Support Vector Machine. IEEE Access, 2017, 5, 2955-2966.	4.2	10
61	An Inception Convolutional Autoencoder Model for Chinese Healthcare Question Clustering. IEEE Transactions on Cybernetics, 2021, 51, 2019-2031.	9.5	9
62	Adaptive Subspace Optimization Ensemble Method for High-Dimensional Imbalanced Data Classification. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2284-2297.	11.3	8
63	Clustering Ensemble Based on Hybrid Multiview Clustering. IEEE Transactions on Cybernetics, 2022, 52, 6518-6530.	9.5	8
64	FEMA: A Fast Expectation Maximization Algorithm based on Grid and PCA. , 2006, , .		7
65	Multiple Co-clusterings. , 2018, , .		7
66	Semisupervised Classification With Novel Graph Construction for High-Dimensional Data. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 75-88.	11.3	7
67	Fast Gaussian Mixture Clustering for Skin Detection. , 2006, , .		6
68	Genetic-based K-means algorithm for selection of feature variables. , 2006, , .		6
69	A Novel Classifier Ensemble Method Based on Subspace Enhancement for High-Dimensional Data Classification. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	5.7	6
70	Relative manifold based semi-supervised dimensionality reduction. Frontiers of Computer Science, 2014, 8, 923-932.	2.4	5
71	GCA: A real-time grid-based clustering algorithm for large data set. , 2006, , .		4
72	Fuzzy cluster ensemble and its application on 3D head model classification. , 2008, , .		4

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73	Neural gas based cluster ensemble algorithm and its application to cancer data. , 2011, , .		4
74	Semisupervised Multiple Choice Learning for Ensemble Classification. IEEE Transactions on Cybernetics, 2022, 52, 3658-3668.	9.5	4
75	Self-Enhanced R-CNNs for Human Detection With Semi-Supervised Assumptions. IEEE Access, 2020, 8, 15132-15143.	4.2	4
76	Adaptive Regularized Semi-Supervised Clustering Ensemble. IEEE Access, 2020, 8, 17926-17934.	4.2	4
77	Inner-Imaging Networks: Put Lenses Into Convolutional Structure. IEEE Transactions on Cybernetics, 2022, 52, 8547-8560.	9.5	4
78	Video person re-identification using key frame screening with index and feature reorganization based on inter-frame relation. International Journal of Machine Learning and Cybernetics, 2022, 13, 2745-2761.	3.6	4
79	View-Aware Collaborative Learning for Survival Prediction and Subgroup Identification. IEEE Transactions on Biomedical Engineering, 2023, 70, 307-317.	4.2	4
80	An efficient local clustering approach for simplification of 3D point-based computer graphics models. , 2006, , .		3
81	Nearest neighbor evolutionary algorithm for constrained optimization problem. , 2008, , .		3
82	3D motion sequence retrieval based on data distribution. , 2008, , .		3
83	Pattern mining based on local distribution. , 2008, , .		3
84	Automatic classification of uncertain data by soft classifier. , 2011, , .		3
85	A parallel Ant Colony System based on region decomposition for Taxi-Passenger Matching. , 2017, , .		3
86	Asymmetric Graph-Guided Multitask Survival Analysis With Self-Paced Learning. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 654-666.	11.3	3
87	Adaptive Dense Ensemble Model for Text Classification. IEEE Transactions on Cybernetics, 2022, 52, 7513-7526.	9.5	3
88	Video action recognition with Key-detail Motion Capturing based on motion spectrum analysis and multiscale feature fusion. Visual Computer, 2023, 39, 539-556.	3.5	3
89	Classifier Ensemble Based on Multiview Optimization for High-Dimensional Imbalanced Data Classification. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 870-883.	11.3	3
90	Double-kernelized weighted broad learning system for imbalanced data. Neural Computing and Applications, 2022, 34, 19923-19936.	5.6	3

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91	Searching of motion database based on hierarchical SOM. , 2008, , .		2
92	Image classification based on the bagging-adaboost ensemble. , 2008, , .		2
93	NG²CE: Double neural gas based cluster ensemble framework. , 2012, , .		2
94	Multi-view Based AdaBoost Classifier Ensemble for Class Prediction from Gene Expression Profiles. , 2014, , .		2
95	Inferring a District-Based Hierarchical Structure of Social Contacts from Census Data. PLoS ONE, 2015, 10, e0118085.	2.5	2
96	Incremental semi-supervised clustering ensemble for high dimensional data clustering. , 2016, , .		2
97	Three-dimensional image-based human pose recovery with hypergraph regularized autoencoders. Multimedia Tools and Applications, 2017, 76, 10919-10937.	3.9	2
98	Mask-Embedded Discriminator with Region-based Semantic Regularization for Semi-Supervised Class-Conditional Image Synthesis. , 2021, , .		2
99	Fine-grained visual classification with multi-scale features based on self-supervised attention filtering mechanism. Applied Intelligence, 2022, 52, 15673-15689.	5.3	2
100	Mining Uncertain Data in Low-dimensional Subspace. , 2006, , .		1
101	Adaptive noise immune cluster ensemble using affinity propagation. , 2016, , .		1
102	Two-Dimensional-Reduction Random Forest. , 2018, , .		1
103	Prediction of Daily Precipitation Based on Deep Learning and Broad Learning Techniques. , 2019, , .		1
104	Adversarial Adaptive Interpolation for Regularizing Representation Learning and Image Synthesis in Autoencoders. , 2021, , .		1
105	GAN-based clustering solution generation and fusion of diffusion. Systems Science and Control Engineering, 2022, 10, 24-42.	3.1	1
106	Adversarial Adaptive Interpolation in Autoencoders for Dually Regularizing Representation Learning. IEEE MultiMedia, 2022, 29, 57-68.	1.7	1
107	Improving the selectivity of range query for image databases based on a probabilistic framework. , 2006, , .		0
108	GPCD: Grid-based Predictive Collision Detection for Large-scale Environments in Computer Games. , 2006, , .		0

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109	Gaussian Representation for 3D Point Based Head Model Classification Based on Generalized Minimax Algorithm. , 2007, , .		0
110	Fast Gaussian Mixture Clustering for Skin Detection. , 2007, , .		0
111	Knowledge based cluster ensemble for 3D head model classification. , 2008, , .		0
112	Ensemble based 3D human motion classification. , 2008, , .		0
113	Identification of phosphorylation sites using a hybrid classifier ensemble approach. , 2008, , .		0
114	Motion synthesis based on dimensionality reduction. , 2008, , .		0
115	Domain content based protein function prediction using incomplete GO annotation information. , 2009, , .		0
116	Penalty-based cluster validity index for class discovery from cancer data. , 2011, , .		0
117	Representative Multi-Label Bayesian Approach for image classification. , 2012, , .		0
118	Tumor clustering based on hybrid cluster ensemble framework. , 2012, , .		0
119	Fast normalized cut algorithm based on self-organizing map. , 2012, , .		0
120	Adaptive learning based fault tolerant control for uncertain nonlinear systems. , 2012, , .		0
121	Towards an immunity based distributed algorithm to detect harmful files shared in P2P networks. Peer-to-Peer Networking and Applications, 2015, 8, 49-62.	3.9	0
122	A Study of The Growth of The Amount of Meteorological Observation Sites over 200 Years. , 2019, , .		0
123	Unsupervised Ensemble Learning Via Network Generation. , 2021, , .		0
124	Local Tangent Generative Adversarial Network for Imbalanced Data Classification. , 2021, , .		0
125	Kernel-based Class-specific Broad Learning System for software defect prediction. , 2021, , .		0