

Shitong Wang

List of Publications by Year in Descending Order

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

133
papers

3,307
citations

34
h-index

53
g-index

139
ext. papers

3,893
ext. citations

6.3
avg, IF

5.84
L-index

#	Paper	IF	Citations
133	A wide interpretable Gaussian TakagiSugenoKang fuzzy classifier and its incremental learning. <i>Knowledge-Based Systems</i> , 2022 , 241, 108203	7.3	2
132	Enhanced Fuzzy Random Forest by Using Doubly Randomness and Copying from Dynamic Dictionary Attributes. <i>IEEE Transactions on Fuzzy Systems</i> , 2022 , 1-1	8.3	
131	Easy Domain Adaptation for cross-subject multi-view emotion recognition. <i>Knowledge-Based Systems</i> , 2022 , 239, 107982	7.3	1
130	Multi-view clustering by virtually passing mutually supervised smooth messages. <i>Information Sciences</i> , 2022 , 599, 84-103	7.7	
129	A novel weighted fuzzy c-means based on feature weight learning. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 1-19	1.6	
128	Global Plus Local Jointly Regularized Support Vector Data Description for Novelty Detection. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	1
127	Fuzzy Density Peaks Clustering. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 1725-1738	8.3	8
126	Fuzzy Style K-Plane Clustering. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 1518-1532	8.3	1
125	Transfer Representation Learning With TSK Fuzzy System. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 649-663	8.3	10
124	Selective Transfer Classification Learning With Classification-Error-Based Consensus Regularization. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2021 , 5, 178-190	4.1	2
123	Multitask TSK Fuzzy System Modeling by Jointly Reducing Rules and Consequent Parameters. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 4078-4090	7.3	1
122	Robust Multi-Label Relief Feature Selection Based on Fuzzy Margin Co-Optimization. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2021 , 1-12	4.1	1
121	Fast Training of Adversarial Deep Fuzzy Classifier by Downsizing Fuzzy Rules with Gradient Guided Learning. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	1
120	Vision Positioning-Based Estimation Method and Its Simulation Studies on State of Underwater Manipulator. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-12	1.1	1
119	Support vector machines with the known feature-evolution priors. <i>Knowledge-Based Systems</i> , 2021 , 223, 107048	7.3	5
118	circRNA-binding protein site prediction based on multi-view deep learning, subspace learning and multi-view classifier. <i>Briefings in Bioinformatics</i> , 2021 ,	13.4	1
117	Manifold-regularized Multitask Fuzzy System Modeling with Low-rank and Sparse Structures in Consequent Parameters. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	1

116	Incomplete Multi-view Fuzzy Inference System with Missing View Imputation and Cooperative Learning. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	
115	Multi-Label Takagi-Sugeno-Kang Fuzzy System. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	0
114	Downsizing and enhancing broad learning systems by feature augmentation and residuals boosting. <i>Complex & Intelligent Systems</i> , 2020 , 6, 411-429	7.1	2
113	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-15	7.3	1
112	Multi-view Clustering with the Cooperation of Visible and Hidden Views. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	3
111	Smart Diagnosis. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2020 , 16, 1-21	3.4	5
110	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-14	7.3	5
109	Clustering by transmission learning from data density to label manifold with statistical diffusion. <i>Knowledge-Based Systems</i> , 2020 , 193, 105330	7.3	13
108	Laplacian least learning machine with dynamic updating for imbalanced classification. <i>Applied Soft Computing Journal</i> , 2020 , 88, 106028	7.5	3
107	. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	5
106	Fuzzy KNN Method With Adaptive Nearest Neighbors. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	5
105	Extreme vector machine for fast training on large data. <i>International Journal of Machine Learning and Cybernetics</i> , 2020 , 11, 33-53	3.8	13
104	A Novel Classification Method From the Perspective of Fuzzy Social Networks Based on Physical and Implicit Style Features of Data. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 361-375	8.3	3
103	An Interpretable Fuzzy DBN-Based Classifier for Indoor User Movement Prediction in Ambient Assisted Living Applications. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 42-53	11.9	5
102	mDixon-Based Synthetic CT Generation for PET Attenuation Correction on Abdomen and Pelvis Jointly Using Transfer Fuzzy Clustering and Active Learning-Based Classification. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 819-832	11.7	37
101	Multi-view local linear KNN classification: theoretical and experimental studies on image classification. <i>International Journal of Machine Learning and Cybernetics</i> , 2020 , 11, 525-543	3.8	2
100	Biologically Plausible Fuzzy-Knowledge-Out and Its Induced Wide Learning of Interpretable TSK Fuzzy Classifiers. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 1276-1290	8.3	8
99	KAT: A Knowledge Adversarial Training Method for Zero-Order Takagi-Sugeno-Kang Fuzzy Classifiers. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	1

98	Takagi-sugeno-kang fuzzy systems with dynamic rule weights. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019 , 37, 8535-8550	1.6	10
97	A Novel Deep Fuzzy Classifier by Stacking Adversarial Interpretable TSK Fuzzy Sub-Classifiers With Smooth Gradient Information. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 1-1	8.3	7
96	Deep Multi-View Feature Learning for EEG-Based Epileptic Seizure Detection. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019 , 27, 1962-1972	4.8	51
95	. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2019 , 3, 380-391	4.1	2
94	Recognition of Multiclass Epileptic EEG Signals Based on Knowledge and Label Space Inductive Transfer. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019 , 27, 630-642	4.8	19
93	Concise Fuzzy System Modeling Integrating Soft Subspace Clustering and Sparse Learning. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 2176-2189	8.3	13
92	Generalized Hidden-Mapping Transductive Transfer Learning for Recognition of Epileptic Electroencephalogram Signals. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 2200-2214	10.2	34
91	Sparse Multiview Task-Centralized Ensemble Learning for ASD Diagnosis Based on Age- and Sex-Related Functional Connectivity Patterns. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 3141-3154	10.2	34
90	Joint Learning of Spectral Clustering Structure and Fuzzy Similarity Matrix of Data. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 31-44	8.3	11
89	A novel multi-view SVM based on consistent hidden density distributions between views for face recognition. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019 , 36, 5245-5259	1.6	2
88	Interpretable Feature Learning Using Multi-output Takagi-Sugeno-Kang Fuzzy System for Multi-center ASD Diagnosis. <i>Lecture Notes in Computer Science</i> , 2019 , 790-798	0.9	2
87	Multiview Fuzzy Logic System With the Cooperation Between Visible and Hidden Views. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 1162-1173	8.3	7
86	. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 1543-1557	8.3	19
85	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 917-931	7.3	15
84	Bayesian TakagiSugenoKang Fuzzy Model and Its Joint Learning of Structure Identification and Parameter Estimation. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 5327-5337	11.9	14
83	Stacked Blockwise Combination of Interpretable TSK Fuzzy Classifiers by Negative Correlation Learning. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 3327-3341	8.3	24
82	Multi-View Maximum Entropy Clustering by Jointly Leveraging Inter-View Collaborations and Intra-View-Weighted Attributes. <i>IEEE Access</i> , 2018 , 6, 28594-28610	3.5	53
81	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 1622-1636	7.3	14

80	. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 640-655	8.3	11
79	Deep TakagiSugenoKang Fuzzy Classifier With Shared Linguistic Fuzzy Rules. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 1535-1549	8.3	70
78	Transductive Joint-Knowledge-Transfer TSK FS for Recognition of Epileptic EEG Signals. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018 , 26, 1481-1494	4.8	45
77	Fast Exemplar-Based Clustering by Gravity Enrichment Between Data Objects. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 1-14	7.3	20
76	Data-Driven Elastic Fuzzy Logic System Modeling: Constructing a Concise System With Human-Like Inference Mechanism. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 2160-2173	8.3	16
75	. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 3-20	8.3	122
74	Bayesian zero-order TSK fuzzy system modeling. <i>Applied Soft Computing Journal</i> , 2017 , 55, 253-264	7.5	10
73	Synchronization clustering based on central force optimization and its extension for large-scale datasets. <i>Knowledge-Based Systems</i> , 2017 , 118, 31-44	7.3	11
72	Semi-supervised learning using hidden feature augmentation. <i>Applied Soft Computing Journal</i> , 2017 , 59, 448-461	7.5	8
71	Multi-task diagnosis for autism spectrum disorders using multi-modality features: A multi-center study. <i>Human Brain Mapping</i> , 2017 , 38, 3081-3097	5.9	50
70	Robust extreme learning fuzzy systems using ridge regression for small and noisy datasets 2017 ,		4
69	Seizure Classification From EEG Signals Using Transfer Learning, Semi-Supervised Learning and TSK Fuzzy System. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017 , 25, 2270-2284	4.8	139
68	Bayesian TakagiSugenoKang Fuzzy Classifier. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 1655-1671	8.3	25
67	Imbalanced TSK Fuzzy Classifier by Cross-Class Bayesian Fuzzy Clustering and Imbalance Learning. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 2005-2020	7.3	34
66	Generalized competitive agglomeration clustering algorithm. <i>International Journal of Machine Learning and Cybernetics</i> , 2017 , 8, 1945-1969	3.8	6
65	Deep TSK Fuzzy Classifier With Stacked Generalization and Triplely Concise Interpretability Guarantee for Large Data. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 1207-1221	8.3	55
64	Realizing Two-View TSK Fuzzy Classification System by Using Collaborative Learning. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 145-160	7.3	33
63	Stacked-Structure-Based Hierarchical Takagi-Sugeno-Kang Fuzzy Classification Through Feature Augmentation. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2017 , 1, 421-436	4.1	15

62	Enhanced Knowledge-Leverage-Based TSK Fuzzy System Modeling for Inductive Transfer Learning. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2016 , 8, 1-21	8	17
61	Linear combination of densities and its direct estimation framework with applications. <i>Neural Computing and Applications</i> , 2016 , 27, 1477-1495	4.8	1
60	Cluster Prototypes and Fuzzy Memberships Jointly Leveraged Cross-Domain Maximum Entropy Clustering. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 181-93	10.2	75
59	A local and global classification machine with collaborative mechanism. <i>Pattern Analysis and Applications</i> , 2016 , 19, 385-396	2.3	1
58	TakagiSugenoKang Transfer Learning Fuzzy Logic System for the Adaptive Recognition of Epileptic Electroencephalogram Signals. <i>IEEE Transactions on Fuzzy Systems</i> , 2016 , 24, 1079-1094	8.3	46
57	Distance metric learning for soft subspace clustering in composite kernel space. <i>Pattern Recognition</i> , 2016 , 52, 113-134	7.7	48
56	Semi-Supervised SVM With Extended Hidden Features. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 2924-2937	10.37	21
55	Transfer Prototype-Based Fuzzy Clustering. <i>IEEE Transactions on Fuzzy Systems</i> , 2016 , 24, 1210-1232	8.3	64
54	Transfer affinity propagation-based clustering. <i>Information Sciences</i> , 2016 , 348, 337-356	7.7	18
53	A survey on soft subspace clustering. <i>Information Sciences</i> , 2016 , 348, 84-106	7.7	71
52	Multi-view L2-SVM and its multi-view core vector machine. <i>Neural Networks</i> , 2016 , 75, 110-25	9.1	18
51	Cross-domain, soft-partition clustering with diversity measure and knowledge reference. <i>Pattern Recognition</i> , 2016 , 50, 155-177	7.7	42
50	Scalable learning method for feedforward neural networks using minimal-enclosing-ball approximation. <i>Neural Networks</i> , 2016 , 78, 51-64	9.1	4
49	Semi-supervised classification method through oversampling and common hidden space. <i>Information Sciences</i> , 2016 , 349-350, 216-228	7.7	24
48	A novel multi-task TSK fuzzy classifier and its enhanced version for labeling-risk-aware multi-task classification. <i>Information Sciences</i> , 2016 , 357, 39-60	7.7	13
47	Multitask Coupled Logistic Regression and its Fast Implementation for Large Multitask Datasets. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 1953-66	10.2	13
46	Privacy preserving and fast decision for novelty detection using support vector data description. <i>Soft Computing</i> , 2015 , 19, 1171-1186	3.5	4
45	A SVM based classification method for homogeneous data. <i>Applied Soft Computing Journal</i> , 2015 , 36, 228-235	7.5	24

44	Feedforward kernel neural networks, generalized least learning machine, and its deep learning with application to image classification. <i>Applied Soft Computing Journal</i> , 2015 , 37, 125-141	7.5	38
43	. <i>IEEE Transactions on Fuzzy Systems</i> , 2015 , 23, 813-826	8.3	46
42	A fast learning method for feedforward neural networks. <i>Neurocomputing</i> , 2015 , 149, 295-307	5.4	16
41	Collaborative fuzzy clustering from multiple weighted views. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 688-701	10.2	175
40	Multitask TSK fuzzy system modeling by mining intertask common hidden structure. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 548-61	10.2	74
39	Multi-task TSK fuzzy system modeling using inter-task correlation information. <i>Information Sciences</i> , 2015 , 298, 512-533	7.7	25
38	MSAFC: matrix subspace analysis with fuzzy clustering ability. <i>Soft Computing</i> , 2014 , 18, 1143-1163	3.5	
37	Kernel Density Estimation, Kernel Methods, and Fast Learning in Large Data Sets. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 1-20	10.2	43
36	Dm-KDE: dynamical kernel density estimation by sequences of KDE estimators with fixed number of components over data streams. <i>Frontiers of Computer Science</i> , 2014 , 8, 563-580	2.2	8
35	Knowledge-leverage based TSK fuzzy system with improved knowledge transfer 2014 ,		3
34	Scaling Up Synchronization-Inspired Partitioning Clustering. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014 , 26, 2045-2057	4.2	17
33	T2FELA: type-2 fuzzy extreme learning algorithm for fast training of interval type-2 TSK fuzzy logic system. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 664-76	10.3	45
32	Enhanced fuzzy partitions vs data randomness in FCM. <i>Journal of Intelligent and Fuzzy Systems</i> , 2014 , 27, 1639-1648	1.6	11
31	Transductive domain adaptive learning for epileptic electroencephalogram recognition. <i>Artificial Intelligence in Medicine</i> , 2014 , 62, 165-77	7.4	32
30	Generalized hidden-mapping ridge regression, knowledge-leveraged inductive transfer learning for neural networks, fuzzy systems and kernel methods. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 2585-99	10.2	114
29	Least learning machine and its experimental studies on regression capability. <i>Applied Soft Computing Journal</i> , 2014 , 21, 677-684	7.5	20
28	Double indices-induced FCM clustering and its integration with fuzzy subspace clustering. <i>Pattern Analysis and Applications</i> , 2014 , 17, 549-566	2.3	8
27	From Gaussian kernel density estimation to kernel methods. <i>International Journal of Machine Learning and Cybernetics</i> , 2013 , 4, 119-137	3.8	8

26	Knowledge-leverage-based TSK Fuzzy System modeling. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 1200-12	10.3	85
25	Fuzzy partition based soft subspace clustering and its applications in high dimensional data. <i>Information Sciences</i> , 2013 , 246, 133-154	7.7	25
24	Knowledge-Leverage-Based Fuzzy System and Its Modeling. <i>IEEE Transactions on Fuzzy Systems</i> , 2013 , 21, 597-609	8.3	59
23	The maximum vector-angular margin classifier and its fast training on large datasets using a core vector machine. <i>Neural Networks</i> , 2012 , 27, 60-73	9.1	9
22	On minimum distribution discrepancy support vector machine for domain adaptation. <i>Pattern Recognition</i> , 2012 , 45, 3962-3984	7.7	56
21	Fast graph-based relaxed clustering for large data sets using minimal enclosing ball. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2012 , 42, 672-87		42
20	Scaling up minimum enclosing ball with total soft margin for training on large datasets. <i>Neural Networks</i> , 2012 , 36, 120-8	9.1	4
19	Matrix pattern based minimum within-class scatter support vector machines. <i>Applied Soft Computing Journal</i> , 2011 , 11, 5602-5610	7.5	5
18	EEW-SC: Enhanced Entropy-Weighting Subspace Clustering for high dimensional gene expression data clustering analysis. <i>Applied Soft Computing Journal</i> , 2011 , 11, 4798-4806	7.5	17
17	Scalable TSK Fuzzy Modeling for Very Large Datasets Using Minimal-Enclosing-Ball Approximation. <i>IEEE Transactions on Fuzzy Systems</i> , 2011 , 19, 210-226	8.3	91
16	Theoretical analysis for solution of support vector data description. <i>Neural Networks</i> , 2011 , 24, 360-9	9.1	13
15	Robust Relief-Feature Weighting, Margin Maximization, and Fuzzy Optimization. <i>IEEE Transactions on Fuzzy Systems</i> , 2010 , 18, 726-744	8.3	43
14	On minimum class locality preserving variance support vector machine. <i>Pattern Recognition</i> , 2010 , 43, 2753-2762	7.7	38
13	Enhanced soft subspace clustering integrating within-cluster and between-cluster information. <i>Pattern Recognition</i> , 2010 , 43, 767-781	7.7	142
12	From Minimum Enclosing Ball to Fast Fuzzy Inference System Training on Large Datasets. <i>IEEE Transactions on Fuzzy Systems</i> , 2009 , 17, 173-184	8.3	34
11	. <i>IEEE Transactions on Fuzzy Systems</i> , 2009 , 17, 995-1010	8.3	8
10	Generalized fuzzy C-means clustering algorithm with improved fuzzy partitions. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2009 , 39, 578-91		128
9	Theoretical Choice of the Optimal Threshold for Possibilistic Linear Model With Noisy Input. <i>IEEE Transactions on Fuzzy Systems</i> , 2008 , 16, 1027-1037	8.3	5

8	FRSDE: Fast reduced set density estimator using minimal enclosing ball approximation. <i>Pattern Recognition</i> , 2008 , 41, 1363-1372	7.7	41
7	Possibility Theoretic Clustering and its Preliminary Application to Large Image Segmentation. <i>Soft Computing</i> , 2007 , 11, 103-113	3.5	6
6	A New Minimax Probability Based Classifier Using Fuzzy Hyper-Ellipsoid. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007 ,		4
5	Clustering Analysis of Gene Expression Data based on Semi-supervised Visual Clustering Algorithm. <i>Soft Computing</i> , 2006 , 10, 981-993	3.5	12
4	Attribute weighted mercer kernel based fuzzy clustering algorithm for general non-spherical datasets. <i>Soft Computing</i> , 2006 , 10, 1061-1073	3.5	78
3	Cascaded centralized TSK fuzzy system: universal approximator and high interpretation. <i>Applied Soft Computing Journal</i> , 2005 , 5, 131-145	7.5	22
2	A fuzzy system with common linear-term consequents equivalent to FLNN and GMM. <i>International Journal of Machine Learning and Cybernetics</i> ,1	3.8	
1	Novel multi-view Takagi-Sugeno-Kang fuzzy system for epilepsy EEG detection. <i>Journal of Ambient Intelligence and Humanized Computing</i> ,1	3.7	1