Shitong Wang

List of Publications by Citations

133	3,307	34	53
papers	citations	h-index	g-index
139	3,893	6.3	5.84
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
133	Collaborative fuzzy clustering from multiple weighted views. *IEEE Transactions on Cybernetics*, **2015**, 45, 688-701	10.2	175
132	Enhanced soft subspace clustering integrating within-cluster and between-cluster information. *Pattern Recognition*, **2010**, 43, 767-781	7.7	142
131	Seizure Classification From EEG Signals Using Transfer Learning, Semi-Supervised Learning and TSK Fuzzy System. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, **2017**, 25, 2270-2284	4.8	139
130	Generalized fuzzy C-means clustering algorithm with improved fuzzy partitions. *IEEE Transactions on Systems, Man, and Cybernetics*, **2009**, 39, 578-91		128
129	. *IEEE Transactions on Fuzzy Systems*, **2017**, 25, 3-20	8.3	122
128	Generalized hidden-mapping ridge regression, knowledge-leveraged inductive transfer learning for neural networks, fuzzy systems and kernel methods. *IEEE Transactions on Cybernetics*, **2014**, 44, 2585-99	10.2	114
127	Scalable TSK Fuzzy Modeling for Very Large Datasets Using Minimal-Enclosing-Ball Approximation. *IEEE Transactions on Fuzzy Systems*, **2011**, 19, 210-226	8.3	91
126	Knowledge-leverage-based TSK Fuzzy System modeling. *IEEE Transactions on Neural Networks and Learning Systems*, **2013**, 24, 1200-12	10.3	85
125	Attribute weighted mercer kernel based fuzzy clustering algorithm for general non-spherical datasets. *Soft Computing*, **2006**, 10, 1061-1073	3.5	78
124	Cluster Prototypes and Fuzzy Memberships Jointly Leveraged Cross-Domain Maximum Entropy Clustering. *IEEE Transactions on Cybernetics*, **2016**, 46, 181-93	10.2	75
123	Multitask TSK fuzzy system modeling by mining intertask common hidden structure. *IEEE Transactions on Cybernetics*, **2015**, 45, 548-61	10.2	74
122	A survey on soft subspace clustering. *Information Sciences*, **2016**, 348, 84-106	7.7	71
121	Deep TakagiSugenoKang Fuzzy Classifier With Shared Linguistic Fuzzy Rules. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 1535-1549	8.3	70
120	Transfer Prototype-Based Fuzzy Clustering. *IEEE Transactions on Fuzzy Systems*, **2016**, 24, 1210-1232	8.3	64
119	Knowledge-Leverage-Based Fuzzy System and Its Modeling. *IEEE Transactions on Fuzzy Systems*, **2013**, 21, 597-609	8.3	59
118	On minimum distribution discrepancy support vector machine for domain adaptation. *Pattern Recognition*, **2012**, 45, 3962-3984	7.7	56
117	Deep TSK Fuzzy Classifier With Stacked Generalization and Triplely Concise Interpretability Guarantee for Large Data. *IEEE Transactions on Fuzzy Systems*, **2017**, 25, 1207-1221	8.3	55

116	Multi-View Maximum Entropy Clustering by Jointly Leveraging Inter-View Collaborations and Intra-View-Weighted Attributes. *IEEE Access*, **2018**, 6, 28594-28610	3.5	53
115	Deep Multi-View Feature Learning for EEG-Based Epileptic Seizure Detection. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, **2019**, 27, 1962-1972	4.8	51
114	Multi-task diagnosis for autism spectrum disorders using multi-modality features: A multi-center study. *Human Brain Mapping*, **2017**, 38, 3081-3097	5.9	50
113	Distance metric learning for soft subspace clustering in composite kernel space. *Pattern Recognition*, **2016**, 52, 113-134	7.7	48
112	. *IEEE Transactions on Fuzzy Systems*, **2015**, 23, 813-826	8.3	46
111	TakagiSugenoKang Transfer Learning Fuzzy Logic System for the Adaptive Recognition of Epileptic Electroencephalogram Signals. *IEEE Transactions on Fuzzy Systems*, **2016**, 24, 1079-1094	8.3	46
110	Transductive Joint-Knowledge-Transfer TSK FS for Recognition of Epileptic EEG Signals. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, **2018**, 26, 1481-1494	4.8	45
109	T2FELA: type-2 fuzzy extreme learning algorithm for fast training of interval type-2 TSK fuzzy logic system. *IEEE Transactions on Neural Networks and Learning Systems*, **2014**, 25, 664-76	10.3	45
108	Kernel Density Estimation, Kernel Methods, and Fast Learning in Large Data Sets. *IEEE Transactions on Cybernetics*, **2014**, 44, 1-20	10.2	43
107	Robust Relief-Feature Weighting, Margin Maximization, and Fuzzy Optimization. *IEEE Transactions on Fuzzy Systems*, **2010**, 18, 726-744	8.3	43
106	Cross-domain, soft-partition clustering with diversity measure and knowledge reference. *Pattern Recognition*, **2016**, 50, 155-177	7.7	42
105	Fast graph-based relaxed clustering for large data sets using minimal enclosing ball. *IEEE Transactions on Systems, Man, and Cybernetics*, **2012**, 42, 672-87		42
104	FRSDE: Fast reduced set density estimator using minimal enclosing ball approximation. *Pattern Recognition*, **2008**, 41, 1363-1372	7.7	41
103	Feedforward kernel neural networks, generalized least learning machine, and its deep learning with application to image classification. *Applied Soft Computing Journal*, **2015**, 37, 125-141	7.5	38
102	On minimum class locality preserving variance support vector machine. *Pattern Recognition*, **2010**, 43, 2753-2762	7.7	38
101	mDixon-Based Synthetic CT Generation for PET Attenuation Correction on Abdomen and Pelvis Jointly Using Transfer Fuzzy Clustering and Active Learning-Based Classification. *IEEE Transactions on Medical Imaging*, **2020**, 39, 819-832	11.7	37
100	Generalized Hidden-Mapping Transductive Transfer Learning for Recognition of Epileptic Electroencephalogram Signals. *IEEE Transactions on Cybernetics*, **2019**, 49, 2200-2214	10.2	34
99	Sparse Multiview Task-Centralized Ensemble Learning for ASD Diagnosis Based on Age- and Sex-Related Functional Connectivity Patterns. *IEEE Transactions on Cybernetics*, **2019**, 49, 3141-3154	10.2	34

98	Imbalanced TSK Fuzzy Classifier by Cross-Class Bayesian Fuzzy Clustering and Imbalance Learning. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 2005-2020	7.3	34
97	From Minimum Enclosing Ball to Fast Fuzzy Inference System Training on Large Datasets. *IEEE Transactions on Fuzzy Systems*, **2009**, 17, 173-184	8.3	34
96	Realizing Two-View TSK Fuzzy Classification System by Using Collaborative Learning. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 145-160	7.3	33
95	Transductive domain adaptive learning for epileptic electroencephalogram recognition. *Artificial Intelligence in Medicine*, **2014**, 62, 165-77	7.4	32
94	Fuzzy partition based soft subspace clustering and its applications in high dimensional data. *Information Sciences*, **2013**, 246, 133-154	7.7	25
93	Bayesian TakagiSugenoKang Fuzzy Classifier. *IEEE Transactions on Fuzzy Systems*, **2017**, 25, 1655-1671	8.3	25
92	Multi-task TSK fuzzy system modeling using inter-task correlation information. *Information Sciences* , **2015**, 298, 512-533	7.7	25
91	A SVM based classification method for homogeneous data. *Applied Soft Computing Journal*, **2015**, 36, 228-235	7.5	24
90	Stacked Blockwise Combination of Interpretable TSK Fuzzy Classifiers by Negative Correlation Learning. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 3327-3341	8.3	24
89	Semi-supervised classification method through oversampling and common hidden space. *Information Sciences*, **2016**, 349-350, 216-228	7.7	24
88	Cascaded centralized TSK fuzzy system: universal approximator and high interpretation. *Applied Soft Computing Journal*, **2005**, 5, 131-145	7.5	22
87	Semi-Supervised SVM With Extended Hidden Features. *IEEE Transactions on Cybernetics*, **2016**, 46, 2924-2937	9.4	21
86	Fast Exemplar-Based Clustering by Gravity Enrichment Between Data Objects. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 1-14	7.3	20
85	Least learning machine and its experimental studies on regression capability. *Applied Soft Computing Journal*, **2014**, 21, 677-684	7.5	20
84	Recognition of Multiclass Epileptic EEG Signals Based on Knowledge and Label Space Inductive Transfer. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, **2019**, 27, 630-642	4.8	19
83	. *IEEE Transactions on Fuzzy Systems*, **2019**, 27, 1543-1557	8.3	19
82	Transfer affinity propagation-based clustering. *Information Sciences*, **2016**, 348, 337-356	7.7	18
81	Multi-view L2-SVM and its multi-view core vector machine. *Neural Networks*, **2016**, 75, 110-25	9.1	18

80	Enhanced Knowledge-Leverage-Based TSK Fuzzy System Modeling for Inductive Transfer Learning. *ACM Transactions on Intelligent Systems and Technology*, **2016**, 8, 1-21	8	17
79	Scaling Up Synchronization-Inspired Partitioning Clustering. *IEEE Transactions on Knowledge and Data Engineering*, **2014**, 26, 2045-2057	4.2	17
78	EEW-SC: Enhanced Entropy-Weighting Subspace Clustering for high dimensional gene expression data clustering analysis. *Applied Soft Computing Journal*, **2011**, 11, 4798-4806	7.5	17
77	A fast learning method for feedforward neural networks. *Neurocomputing*, **2015**, 149, 295-307	5.4	16
76	Data-Driven Elastic Fuzzy Logic System Modeling: Constructing a Concise System With Human-Like Inference Mechanism. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 2160-2173	8.3	16
75	Stacked-Structure-Based Hierarchical Takagi-Sugeno-Kang Fuzzy Classification Through Feature Augmentation. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2017**, 1, 421-436	4.1	15
74	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 917-931	7.3	15
73	Bayesian TakagiSugenoKang Fuzzy Model and Its Joint Learning of Structure Identification and Parameter Estimation. *IEEE Transactions on Industrial Informatics*, **2018**, 14, 5327-5337	11.9	14
72	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 1622-1636	7.3	14
71	Concise Fuzzy System Modeling Integrating Soft Subspace Clustering and Sparse Learning. *IEEE Transactions on Fuzzy Systems*, **2019**, 27, 2176-2189	8.3	13
70	Multitask Coupled Logistic Regression and its Fast Implementation for Large Multitask Datasets. *IEEE Transactions on Cybernetics*, **2015**, 45, 1953-66	10.2	13
69	Theoretical analysis for solution of support vector data description. *Neural Networks*, **2011**, 24, 360-9	9.1	13
68	Clustering by transmission learning from data density to label manifold with statistical diffusion. *Knowledge-Based Systems*, **2020**, 193, 105330	7.3	13
67	A novel multi-task TSK fuzzy classifier and its enhanced version for labeling-risk-aware multi-task classification. *Information Sciences*, **2016**, 357, 39-60	7.7	13
66	Extreme vector machine for fast training on large data. *International Journal of Machine Learning and Cybernetics*, **2020**, 11, 33-53	3.8	13
65	Clustering Analysis of Gene Expression Data based on Semi-supervised Visual Clustering Algorithm. *Soft Computing*, **2006**, 10, 981-993	3.5	12
64	Synchronization clustering based on central force optimization and its extension for large-scale datasets. *Knowledge-Based Systems*, **2017**, 118, 31-44	7.3	11
63	. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 640-655	8.3	11

62	Joint Learning of Spectral Clustering Structure and Fuzzy Similarity Matrix of Data. *IEEE Transactions on Fuzzy Systems*, **2019**, 27, 31-44	8.3	11
61	Enhanced fuzzy partitions vs data randomness in FCM. *Journal of Intelligent and Fuzzy Systems*, **2014**, 27, 1639-1648	1.6	11
60	Bayesian zero-order TSK fuzzy system modeling. *Applied Soft Computing Journal*, **2017**, 55, 253-264	7.5	10
59	Takagi-sugeno-kang fuzzy systems with dynamic rule weights. *Journal of Intelligent and Fuzzy Systems*, **2019**, 37, 8535-8550	1.6	10
58	Transfer Representation Learning With TSK Fuzzy System. *IEEE Transactions on Fuzzy Systems*, **2021**, 29, 649-663	8.3	10
57	The maximum vector-angular margin classifier and its fast training on large datasets using a core vector machine. *Neural Networks*, **2012**, 27, 60-73	9.1	9
56	Semi-supervised learning using hidden feature augmentation. *Applied Soft Computing Journal*, **2017** , 59, 448-461	7.5	8
55	Dm-KDE: dynamical kernel density estimation by sequences of KDE estimators with fixed number of components over data streams. *Frontiers of Computer Science*, **2014**, 8, 563-580	2.2	8
54	From Gaussian kernel density estimation to kernel methods. *International Journal of Machine Learning and Cybernetics*, **2013**, 4, 119-137	3.8	8
53	Double indices-induced FCM clustering and its integration with fuzzy subspace clustering. *Pattern Analysis and Applications*, **2014**, 17, 549-566	2.3	8
52	. *IEEE Transactions on Fuzzy Systems*, **2009**, 17, 995-1010	8.3	8
51	Fuzzy Density Peaks Clustering. *IEEE Transactions on Fuzzy Systems*, **2021**, 29, 1725-1738	8.3	8
50	Biologically Plausible Fuzzy-Knowledge-Out and Its Induced Wide Learning of Interpretable TSK Fuzzy Classifiers. *IEEE Transactions on Fuzzy Systems*, **2020**, 28, 1276-1290	8.3	8
49	A Novel Deep Fuzzy Classifier by Stacking Adversarial Interpretable TSK Fuzzy Sub-Classifiers With Smooth Gradient Information. *IEEE Transactions on Fuzzy Systems*, **2019**, 1-1	8.3	7
48	Multiview Fuzzy Logic System With the Cooperation Between Visible and Hidden Views. *IEEE Transactions on Fuzzy Systems*, **2019**, 27, 1162-1173	8.3	7
47	Generalized competitive agglomeration clustering algorithm. *International Journal of Machine Learning and Cybernetics*, **2017**, 8, 1945-1969	3.8	6
46	Possibility Theoretic Clustering and its Preliminary Application to Large Image Segmentation. *Soft Computing*, **2007**, 11, 103-113	3.5	6
45	Matrix pattern based minimum within-class scatter support vector machines. *Applied Soft Computing Journal*, **2011**, 11, 5602-5610	7.5	5

44	Theoretical Choice of the Optimal Threshold for Possibilistic Linear Model With Noisy Input. *IEEE Transactions on Fuzzy Systems*, **2008**, 16, 1027-1037	8.3	5
43	Smart Diagnosis. *ACM Transactions on Multimedia Computing, Communications and Applications*, **2020**, 16, 1-21	3.4	5
42	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-14	7.3	5
41	. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1	8.3	5
40	Fuzzy KNN Method With Adaptive Nearest Neighbors. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	5
39	An Interpretable Fuzzy DBN-Based Classifier for Indoor User Movement Prediction in Ambient Assisted Living Applications. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 42-53	11.9	5
38	Support vector machines with the known feature-evolution priors. *Knowledge-Based Systems*, **2021**, 223, 107048	7.3	5
37	Privacy preserving and fast decision for novelty detection using support vector data description. *Soft Computing*, **2015**, 19, 1171-1186	3.5	4
36	Robust extreme learning fuzzy systems using ridge regression for small and noisy datasets **2017**,		4
35	Scaling up minimum enclosing ball with total soft margin for training on large datasets. *Neural Networks*, **2012**, 36, 120-8	9.1	4
34	A New Minimax Probability Based Classifier Using Fuzzy Hyper-Ellipsoid. *Neural Networks (IJCNN), International Joint Conference on*, **2007**,		4
33	Scalable learning method for feedforward neural networks using minimal-enclosing-ball approximation. *Neural Networks*, **2016**, 78, 51-64	9.1	4
32	Multi-view Clustering with the Cooperation of Visible and Hidden Views. *IEEE Transactions on Knowledge and Data Engineering*, **2020**, 1-1	4.2	3
31	Knowledge-leverage based TSK fuzzy system with improved knowledge transfer **2014**,		3
30	Laplacian least learning machine with dynamic updating for imbalanced classification. *Applied Soft Computing Journal*, **2020**, 88, 106028	7.5	3
29	A Novel Classification Method From the Perspective of Fuzzy Social Networks Based on Physical and Implicit Style Features of Data. *IEEE Transactions on Fuzzy Systems*, **2020**, 28, 361-375	8.3	3
28	. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2019**, 3, 380-391	4.1	2
27	Downsizing and enhancing broad learning systems by feature augmentation and residuals boosting. *Complex & Intelligent Systems*, **2020**, 6, 411-429	7.1	2

26	A novel multi-view SVM based on consistent hidden density distributions between views for face recognition. *Journal of Intelligent and Fuzzy Systems*, **2019**, 36, 5245-5259	1.6	2
25	A wide interpretable Gaussian TakagiSugenoKang fuzzy classifier and its incremental learning. *Knowledge-Based Systems*, **2022**, 241, 108203	7.3	2
24	Interpretable Feature Learning Using Multi-output Takagi-Sugeno-Kang Fuzzy System for Multi-center ASD Diagnosis. *Lecture Notes in Computer Science*, **2019**, 790-798	0.9	2
23	Multi-view local linear KNN classification: theoretical and experimental studies on image classification. *International Journal of Machine Learning and Cybernetics*, **2020**, 11, 525-543	3.8	2
22	Selective Transfer Classification Learning With Classification-Error-Based Consensus Regularization. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2021**, 5, 178-190	4.1	2
21	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-15	7.3	1
20	Linear combination of densities and its direct estimation framework with applications. *Neural Computing and Applications*, **2016**, 27, 1477-1495	4.8	1
19	A local and global classification machine with collaborative mechanism. *Pattern Analysis and Applications*, **2016**, 19, 385-396	2.3	1
18	Global Plus Local Jointly Regularized Support Vector Data Description for Novelty Detection. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	1
17	Easy Domain Adaptation for cross-subject multi-view emotion recognition. *Knowledge-Based Systems*, **2022**, 239, 107982	7.3	1
16	Novel multi-view TakagiSugenoKang fuzzy system for epilepsy EEG detection. *Journal of Ambient Intelligence and Humanized Computing*,1	3.7	1
15	Fuzzy Style K-Plane Clustering. *IEEE Transactions on Fuzzy Systems*, **2021**, 29, 1518-1532	8.3	1
14	KAT: A Knowledge Adversarial Training Method for Zero-Order Takagi-Sugeno-Kang Fuzzy Classifiers. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	1
13	Multitask TSK Fuzzy System Modeling by Jointly Reducing Rules and Consequent Parameters. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 4078-4090	7.3	1
12	Robust Multi-Label Relief Feature Selection Based on Fuzzy Margin Co-Optimization. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2021**, 1-12	4.1	1
11	Fast Training of Adversarial Deep Fuzzy Classifier by Downsizing Fuzzy Rules with Gradient Guided Learning. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1	8.3	1
10	Vision Positioning-Based Estimation Method and Its Simulation Studies on State of Underwater Manipulator. *Mathematical Problems in Engineering*, **2021**, 2021, 1-12	1.1	1
9	circRNA-binding protein site prediction based on multi-view deep learning, subspace learning and multi-view classifier. *Briefings in Bioinformatics*, **2021**,	13.4	1

8	Manifold-regularized Multitask Fuzzy System Modeling with Low-rank and Sparse Structures in Consequent Parameters. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1	8.3	1
7	Multi-Label Takagi-Sugeno-Kang Fuzzy System. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1	8.3	0
6	MSAFC: matrix subspace analysis with fuzzy clustering ability. *Soft Computing*, **2014**, 18, 1143-1163	3.5	
5	Enhanced Fuzzy Random Forest by Using Doubly Randomness and Copying from Dynamic Dictionary Attributes. *IEEE Transactions on Fuzzy Systems*, **2022**, 1-1	8.3	
4	A novel weighted fuzzy c-means based on feature weight learning. *Journal of Intelligent and Fuzzy Systems*, **2021**, 1-19	1.6	
3	A fuzzy system with common linear-term consequents equivalent to FLNN and GMM. *International Journal of Machine Learning and Cybernetics*,1	3.8	
2	Incomplete Multi-view Fuzzy Inference System with Missing View Imputation and Cooperative Learning. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1	8.3	
1	Multi-view clustering by virtually passing mutually supervised smooth messages. *Information Sciences*, **2022**, 599, 84-103	7.7	