Shiliang Sun

List of Publications by Year
in descending order

98 papers	4,592 citations	159358 30 h-index
98 all docs	98 docs citations	98 times ranked

106150 65 g-index

3871 citing authors

#	Article	IF	Citations
1	Multiview Graph Restricted Boltzmann Machines. IEEE Transactions on Cybernetics, 2022, 52, 12414-12428.	6.2	8
2	Incomplete multiview nonnegative representation learning with multiple graphs. Pattern Recognition, 2022, 123, 108412.	5.1	8
3	Incomplete multi-view clustering with cosine similarity. Pattern Recognition, 2022, 123, 108371.	5.1	36
4	Conditional Random Fields for Multiview Sequential Data Modeling. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1242-1253.	7.2	3
5	FE-DaST: Fast and effective data-free substitute training for black-box adversarial attacks. Computers and Security, 2022, 113, 102555.	4.0	11
6	Adversarially Training MCMC with Non-Volume-Preserving Flows. Entropy, 2022, 24, 415.	1.1	0
7	Stability-based PAC-Bayes analysis for multi-view learning algorithms. Information Fusion, 2022, 86-87, 76-92.	11.7	1
8	Multiview Variational Sparse Gaussian Processes. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2875-2885.	7.2	13
9	Multi-View Representation Learning With Deep Gaussian Processes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 4453-4468.	9.7	31
10	Multi-Kernel Online Reinforcement Learning for Path Tracking Control of Intelligent Vehicles. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6962-6975.	5.9	23
11	LCBM: A Multi-View Probabilistic Model for Multi-Label Classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2682-2696.	9.7	18
12	Multi-view Gaussian processes with posterior consistency. Information Sciences, 2021, 547, 710-722.	4.0	6
13	Variational multimodal machine translation with underlying semantic alignment. Information Fusion, 2021, 69, 73-80.	11.7	11
14	DetexNet: Accurately Diagnosing Frequent and Challenging Pediatric Malignant Tumors. IEEE Transactions on Medical Imaging, 2021, 40, 395-404.	5.4	1
15	Adversarial robustness and attacks for multi-view deep models. Engineering Applications of Artificial Intelligence, 2021, 97, 104085.	4.3	12
16	Stick-Breaking Dependent Beta Processes with Variational Inference. Neural Processing Letters, 2021, 53, 339-353.	2.0	0
17	A Survey on Multiview Clustering. IEEE Transactions on Artificial Intelligence, 2021, 2, 146-168.	3.4	135
18	RL-VAEGAN: Adversarial defense for reinforcement learning agents via style transfer. Knowledge-Based Systems, 2021, 221, 106967.	4.0	6

#	ARTICLE	IF	CITATIONS
19	Multi-Task Transformer with Input Feature Reconstruction for Dysarthric Speech Recognition. , 2021, , .		2
20	A Sequential Contrastive Learning Framework for Robust Dysarthric Speech Recognition. , 2021, , .		7
21	Resilient Abstractive Summarization Model with Adaptively Weighted Training Loss. , 2021, , .		1
22	Multi-view Defense with Adversarial Autoencoders. , 2021, , .		0
23	Variational Beta Process Hidden Markov Models with Shared Hidden States for Trajectory Recognition. Entropy, 2021, 23, 1290.	1.1	0
24	Incomplete Multi-View Clustering with Reconstructed Views. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	4.0	13
25	Promoting active learning with mixtures of Gaussian processes. Knowledge-Based Systems, 2020, 188, 105044.	4.0	11
26	Hybrid neural conditional random fields for multi-view sequence labeling. Knowledge-Based Systems, 2020, 189, 105151.	4.0	13
27	Multi-View Support Vector Machines with the Consensus and Complementarity Information. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 2401-2413.	4.0	54
28	Decomposed slice sampling for factorized distributions. Pattern Recognition, 2020, 97, 107021.	5.1	1
29	Multiview Uncorrelated Locality Preserving Projection. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3442-3455.	7.2	34
30	A Survey of Optimization Methods From a Machine Learning Perspective. IEEE Transactions on Cybernetics, 2020, 50, 3668-3681.	6.2	335
31	Policy-based reinforcement learning for time series anomaly detection. Engineering Applications of Artificial Intelligence, 2020, 95, 103919.	4.3	42
32	Attentive multi-view reinforcement learning. International Journal of Machine Learning and Cybernetics, 2020, 11, 2461-2474.	2.3	4
33	Multiview learning with variational mixtures of Gaussian processes. Knowledge-Based Systems, 2020, 200, 105990.	4.0	2
34	Online anomaly detection with sparse Gaussian processes. Neurocomputing, 2020, 403, 383-399.	3.5	14
35	Neural Langevin Dynamical Sampling. IEEE Access, 2020, 8, 31595-31605.	2.6	15
36	General multi-view semi-supervised least squares support vector machines with multi-manifold regularization. Information Fusion, 2020, 62, 63-72.	11.7	34

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37	Dynamical Sampling with Langevin Normalization Flows. Entropy, 2019, 21, 1096.	1.1	2
38	Guest Editorial: Special Issue on New Advances in Deep-Transfer Learning. IEEE Transactions on Emerging Topics in Computational Intelligence, 2019, 3, 357-359.	3.4	5
39	An Accelerated Linearly Convergent Stochastic L-BFGS Algorithm. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3338-3346.	7.2	27
40	Generalizing expectation propagation with mixtures of exponential family distributions and an application to Bayesian logistic regression. Neurocomputing, 2019, 337, 180-190.	3.5	4
41	General multi-view learning with maximum entropy discrimination. Neurocomputing, 2019, 332, 184-192.	3.5	18
42	Multi-view learning for visual violence recognition with maximum entropy discrimination and deep features. Information Fusion, 2019, 50, 43-53.	11.7	30
43	Multi-view Opinion Mining with Deep Learning. Neural Processing Letters, 2019, 50, 1451-1463.	2.0	6
44	Semi-supervised multi-view maximum entropy discrimination with expectation Laplacian regularization. Information Fusion, 2019, 45, 296-306.	11.7	34
45	Multiview Learning With Generalized Eigenvalue Proximal Support Vector Machines. IEEE Transactions on Cybernetics, 2019, 49, 688-697.	6.2	55
46	A Conditional Random Fields Based Framework for Multiview Sequential Data Modeling. Communications in Computer and Information Science, 2019, , 698-706.	0.4	1
47	Domain Adaptation with Twin Support Vector Machines. Neural Processing Letters, 2018, 48, 1213-1226.	2.0	19
48	Multi-view Deep Gaussian Processes. Lecture Notes in Computer Science, 2018, , 130-139.	1.0	3
49	Multi-view learning overview: Recent progress and new challenges. Information Fusion, 2017, 38, 43-54.	11.7	619
50	PAC-Bayes analysis of multi-view learning. Information Fusion, 2017, 35, 117-131.	11.7	45
51	A review of natural language processing techniques for opinion mining systems. Information Fusion, 2017, 36, 10-25.	11.7	370
52	Variational hidden conditional random fields with beta processes. , 2017, , .		0
53	Multi-view Regularized Gaussian Processes. Lecture Notes in Computer Science, 2017, , 655-667.	1.0	10
54	Multi-kernel maximum entropy discrimination for multi-view learning. Intelligent Data Analysis, 2016, 20, 481-493.	0.4	20

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55	Local Tangent Space Discriminant Analysis. Neural Processing Letters, 2016, 43, 727-744.	2.0	7
56	Consensus and complementarity based maximum entropy discrimination for multi-view classification. Information Sciences, 2016, 367-368, 296-310.	4.0	86
57	Alternative Multiview Maximum Entropy Discrimination. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1445-1456.	7.2	50
58	High-Order Gaussian Process Dynamical Models for Traffic Flow Prediction. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 2014-2019.	4.7	60
59	Multiview Uncorrelated Discriminant Analysis. IEEE Transactions on Cybernetics, 2016, 46, 3272-3284.	6.2	106
60	Sparse uncorrelated cross-domain feature extraction for signal classification in brain-computer interfaces. , 2015, , .		0
61	Machine Learning with Applications to Autonomous Systems. Mathematical Problems in Engineering, 2015, 2015, 1-2.	0.6	5
62	Semisupervised Tangent Space Discriminant Analysis. Mathematical Problems in Engineering, 2015, 2015, 1-10.	0.6	2
63	Multi-view twin support vector machines. Intelligent Data Analysis, 2015, 19, 701-712.	0.4	52
64	PAC-Bayes Analysis for Twin Support Vector Machines. , 2015, , .		1
65	Uncorrelated transferable feature extraction for signal classification in brain-computer interfaces. , 2015, , .		1
66	A survey of multi-source domain adaptation. Information Fusion, 2015, 24, 84-92.	11.7	204
67	A review of Nyström methods for large-scale machine learning. Information Fusion, 2015, 26, 36-48.	11.7	42
68	Text detection in nature scene images using two-stage nontext filtering. , 2015, , .		13
69	Multitask centroid twin support vector machines. Neurocomputing, 2015, 149, 1085-1091.	3.5	35
70	Multi-view Laplacian twin support vector machines. Applied Intelligence, 2014, 41, 1059-1068.	3.3	48
71	Multi-view uncorrelated linear discriminant analysis with applications to handwritten digit recognition. , 2014, , .		16
72	Supervised Bayesian sparse coding for classification. , 2014, , .		1

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73	Active learning of Gaussian processes with manifold-preserving graph reduction. Neural Computing and Applications, 2014, 25, 1615-1625.	3.2	16
74	A review of adaptive feature extraction and classification methods for EEG-based brain-computer interfaces. , 2014, , .		46
75	Sparse Gaussian processes with manifold-preserving graph reduction. Neurocomputing, 2014, 138, 99-105.	3.5	6
76	A survey of multi-view machine learning. Neural Computing and Applications, 2013, 23, 2031-2038.	3.2	664
77	Trajectory-based human activity recognition with hierarchical dirichlet process hidden Markov models. , 2013, , .		14
78	A review of deterministic approximate inference techniques for Bayesian machine learning. Neural Computing and Applications, 2013, 23, 2039-2050.	3.2	33
79	Tangent space intrinsic manifold regularization for data representation. , 2013, , .		11
80	Semi-supervised feature extraction for EEG classification. Pattern Analysis and Applications, 2013, 16, 213-222.	3.1	27
81	Infinite mixtures of multivariate Gaussian processes. , 2013, , .		1
82	Kernel regression with sparse metric learning. Journal of Intelligent and Fuzzy Systems, 2013, 24, 775-787.	0.8	14
83	Single-task and multitask sparse Gaussian processes. , 2013, , .		1
84	Network-Scale Traffic Modeling and Forecasting with Graphical Lasso and Neural Networks. Journal of Transportation Engineering, 2012, 138, 1358-1367.	0.9	99
85	A subject transfer framework for EEG classification. Neurocomputing, 2012, 82, 109-116.	3.5	97
86	Semi-supervised feature extraction with local temporal regularization for EEG classification. , 2011, , .		5
87	A review of optimization methodologies in support vector machines. Neurocomputing, 2011, 74, 3609-3618.	3.5	208
88	Multiple-View Multiple-Learner Semi-Supervised Learning. Neural Processing Letters, 2011, 34, 229-240.	2.0	52
89	The stochastic approximation method for adaptive Bayesian classifiers: towards online brainâ€"computer interfaces. Neural Computing and Applications, 2011, 20, 31-40.	3.2	13
90	ROBUST CO-TRAINING. International Journal of Pattern Recognition and Artificial Intelligence, 2011, 25, 1113-1126.	0.7	69

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91	HIERARCHICAL DISTANCE METRIC LEARNING FOR LARGE MARGIN NEAREST NEIGHBOR CLASSIFICATION. International Journal of Pattern Recognition and Artificial Intelligence, 2011, 25, 1073-1087.	0.7	24
92	Multi-view Laplacian Support Vector Machines. Lecture Notes in Computer Science, 2011, , 209-222.	1.0	65
93	Multiple-view multiple-learner active learning. Pattern Recognition, 2010, 43, 3113-3119.	5.1	57
94	Local within-class accuracies for weighting individual outputs in multiple classifier systems. Pattern Recognition Letters, 2010, 31, 119-124.	2.6	29
95	Extreme energy difference for feature extraction of EEG signals. Expert Systems With Applications, 2010, 37, 4350-4357.	4.4	19
96	An experimental evaluation of ensemble methods for EEG signal classification. Pattern Recognition Letters, 2007, 28, 2157-2163.	2.6	117
97	Multi-view multi-label active learning with conditional Bernoulli mixtures. International Journal of Machine Learning and Cybernetics, 0, , 1.	2.3	3
98	Editorial: special issue on multi-view learning. Applied Intelligence, 0, , 1.	3.3	0