Shiliang Sun

List of Publications by Year
in descending order

98 papers	4,592 citations	159585 30 h-index	106344 65 g-index
98 all docs	98 docs citations	98 times ranked	3871 citing authors

#	ARTICLE	IF	CITATIONS
1	A survey of multi-view machine learning. Neural Computing and Applications, 2013, 23, 2031-2038.	5.6	664
2	Multi-view learning overview: Recent progress and new challenges. Information Fusion, 2017, 38, 43-54.	19.1	619
3	A review of natural language processing techniques for opinion mining systems. Information Fusion, 2017, 36, 10-25.	19.1	370
4	A Survey of Optimization Methods From a Machine Learning Perspective. IEEE Transactions on Cybernetics, 2020, 50, 3668-3681.	9.5	335
5	A review of optimization methodologies in support vector machines. Neurocomputing, 2011, 74, 3609-3618.	5.9	208
6	A survey of multi-source domain adaptation. Information Fusion, 2015, 24, 84-92.	19.1	204
7	A Survey on Multiview Clustering. IEEE Transactions on Artificial Intelligence, 2021, 2, 146-168.	4.7	135
8	An experimental evaluation of ensemble methods for EEG signal classification. Pattern Recognition Letters, 2007, 28, 2157-2163.	4.2	117
9	Multiview Uncorrelated Discriminant Analysis. IEEE Transactions on Cybernetics, 2016, 46, 3272-3284.	9.5	106
10	Network-Scale Traffic Modeling and Forecasting with Graphical Lasso and Neural Networks. Journal of Transportation Engineering, 2012, 138, 1358-1367.	0.9	99
11	A subject transfer framework for EEG classification. Neurocomputing, 2012, 82, 109-116.	5.9	97
12	Consensus and complementarity based maximum entropy discrimination for multi-view classification. Information Sciences, 2016, 367-368, 296-310.	6.9	86
13	ROBUST CO-TRAINING. International Journal of Pattern Recognition and Artificial Intelligence, 2011, 25, 1113-1126.	1.2	69
14	Multi-view Laplacian Support Vector Machines. Lecture Notes in Computer Science, 2011, , 209-222.	1.3	65
15	High-Order Gaussian Process Dynamical Models for Traffic Flow Prediction. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 2014-2019.	8.0	60
16	Multiple-view multiple-learner active learning. Pattern Recognition, 2010, 43, 3113-3119.	8.1	57
17	Multiview Learning With Generalized Eigenvalue Proximal Support Vector Machines. IEEE Transactions on Cybernetics, 2019, 49, 688-697.	9.5	55
18	Multi-View Support Vector Machines with the Consensus and Complementarity Information. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 2401-2413.	5.7	54

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19	Multiple-View Multiple-Learner Semi-Supervised Learning. Neural Processing Letters, 2011, 34, 229-240.	3.2	52
20	Multi-view twin support vector machines. Intelligent Data Analysis, 2015, 19, 701-712.	0.9	52
21	Alternative Multiview Maximum Entropy Discrimination. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1445-1456.	11.3	50
22	Multi-view Laplacian twin support vector machines. Applied Intelligence, 2014, 41, 1059-1068.	5.3	48
23	A review of adaptive feature extraction and classification methods for EEG-based brain-computer interfaces. , 2014, , .		46
24	PAC-Bayes analysis of multi-view learning. Information Fusion, 2017, 35, 117-131.	19.1	45
25	A review of Nyström methods for large-scale machine learning. Information Fusion, 2015, 26, 36-48.	19.1	42
26	Policy-based reinforcement learning for time series anomaly detection. Engineering Applications of Artificial Intelligence, 2020, 95, 103919.	8.1	42
27	Incomplete multi-view clustering with cosine similarity. Pattern Recognition, 2022, 123, 108371.	8.1	36
28	Multitask centroid twin support vector machines. Neurocomputing, 2015, 149, 1085-1091.	5.9	35
29	Semi-supervised multi-view maximum entropy discrimination with expectation Laplacian regularization. Information Fusion, 2019, 45, 296-306.	19.1	34
30	Multiview Uncorrelated Locality Preserving Projection. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3442-3455.	11.3	34
31	General multi-view semi-supervised least squares support vector machines with multi-manifold regularization. Information Fusion, 2020, 62, 63-72.	19.1	34
32	A review of deterministic approximate inference techniques for Bayesian machine learning. Neural Computing and Applications, 2013, 23, 2039-2050.	5.6	33
33	Multi-View Representation Learning With Deep Gaussian Processes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 4453-4468.	13.9	31
34	Multi-view learning for visual violence recognition with maximum entropy discrimination and deep features. Information Fusion, 2019, 50, 43-53.	19.1	30
35	Local within-class accuracies for weighting individual outputs in multiple classifier systems. Pattern Recognition Letters, 2010, 31, 119-124.	4.2	29
36	Semi-supervised feature extraction for EEG classification. Pattern Analysis and Applications, 2013, 16, 213-222.	4.6	27

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37	An Accelerated Linearly Convergent Stochastic L-BFGS Algorithm. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3338-3346.	11.3	27
38	HIERARCHICAL DISTANCE METRIC LEARNING FOR LARGE MARGIN NEAREST NEIGHBOR CLASSIFICATION. International Journal of Pattern Recognition and Artificial Intelligence, 2011, 25, 1073-1087.	1.2	24
39	Multi-Kernel Online Reinforcement Learning for Path Tracking Control of Intelligent Vehicles. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6962-6975.	9.3	23
40	Multi-kernel maximum entropy discrimination for multi-view learning. Intelligent Data Analysis, 2016, 20, 481-493.	0.9	20
41	Extreme energy difference for feature extraction of EEG signals. Expert Systems With Applications, 2010, 37, 4350-4357.	7.6	19
42	Domain Adaptation with Twin Support Vector Machines. Neural Processing Letters, 2018, 48, 1213-1226.	3.2	19
43	General multi-view learning with maximum entropy discrimination. Neurocomputing, 2019, 332, 184-192.	5.9	18
44	LCBM: A Multi-View Probabilistic Model for Multi-Label Classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2682-2696.	13.9	18
45	Multi-view uncorrelated linear discriminant analysis with applications to handwritten digit recognition. , 2014, , .		16
46	Active learning of Gaussian processes with manifold-preserving graph reduction. Neural Computing and Applications, 2014, 25, 1615-1625.	5.6	16
47	Neural Langevin Dynamical Sampling. IEEE Access, 2020, 8, 31595-31605.	4.2	15
48	Trajectory-based human activity recognition with hierarchical dirichlet process hidden Markov models. , 2013, , .		14
49	Kernel regression with sparse metric learning. Journal of Intelligent and Fuzzy Systems, 2013, 24, 775-787.	1.4	14
50	Online anomaly detection with sparse Gaussian processes. Neurocomputing, 2020, 403, 383-399.	5.9	14
51	The stochastic approximation method for adaptive Bayesian classifiers: towards online brain–computer interfaces. Neural Computing and Applications, 2011, 20, 31-40.	5.6	13
52	Text detection in nature scene images using two-stage nontext filtering. , 2015, , .		13
53	Hybrid neural conditional random fields for multi-view sequence labeling. Knowledge-Based Systems, 2020, 189, 105151.	7.1	13
54	Multiview Variational Sparse Gaussian Processes. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2875-2885.	11.3	13

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55	Incomplete Multi-View Clustering with Reconstructed Views. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	5.7	13
56	Adversarial robustness and attacks for multi-view deep models. Engineering Applications of Artificial Intelligence, 2021, 97, 104085.	8.1	12
57	Tangent space intrinsic manifold regularization for data representation. , 2013, , .		11
58	Promoting active learning with mixtures of Gaussian processes. Knowledge-Based Systems, 2020, 188, 105044.	7.1	11
59	Variational multimodal machine translation with underlying semantic alignment. Information Fusion, 2021, 69, 73-80.	19.1	11
60	FE-DaST: Fast and effective data-free substitute training for black-box adversarial attacks. Computers and Security, 2022, 113, 102555.	6.0	11
61	Multi-view Regularized Gaussian Processes. Lecture Notes in Computer Science, 2017, , 655-667.	1.3	10
62	Multiview Graph Restricted Boltzmann Machines. IEEE Transactions on Cybernetics, 2022, 52, 12414-12428.	9.5	8
63	Incomplete multiview nonnegative representation learning with multiple graphs. Pattern Recognition, 2022, 123, 108412.	8.1	8
64	Local Tangent Space Discriminant Analysis. Neural Processing Letters, 2016, 43, 727-744.	3.2	7
65	A Sequential Contrastive Learning Framework for Robust Dysarthric Speech Recognition. , 2021, , .		7
66	Sparse Gaussian processes with manifold-preserving graph reduction. Neurocomputing, 2014, 138, 99-105.	5.9	6
67	Multi-view Opinion Mining with Deep Learning. Neural Processing Letters, 2019, 50, 1451-1463.	3.2	6
68	Multi-view Gaussian processes with posterior consistency. Information Sciences, 2021, 547, 710-722.	6.9	6
69	RL-VAEGAN: Adversarial defense for reinforcement learning agents via style transfer. Knowledge-Based Systems, 2021, 221, 106967.	7.1	6
70	Semi-supervised feature extraction with local temporal regularization for EEG classification. , 2011, , .		5
71	Machine Learning with Applications to Autonomous Systems. Mathematical Problems in Engineering, 2015, 2015, 1-2.	1.1	5
72	Guest Editorial: Special Issue on New Advances in Deep-Transfer Learning. IEEE Transactions on Emerging Topics in Computational Intelligence, 2019, 3, 357-359.	4.9	5

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73	Generalizing expectation propagation with mixtures of exponential family distributions and an application to Bayesian logistic regression. Neurocomputing, 2019, 337, 180-190.	5.9	4
74	Attentive multi-view reinforcement learning. International Journal of Machine Learning and Cybernetics, 2020, 11, 2461-2474.	3.6	4
75	Multi-view Deep Gaussian Processes. Lecture Notes in Computer Science, 2018, , 130-139.	1.3	3
76	Conditional Random Fields for Multiview Sequential Data Modeling. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1242-1253.	11.3	3
77	Multi-view multi-label active learning with conditional Bernoulli mixtures. International Journal of Machine Learning and Cybernetics, 0, , 1.	3.6	3
78	Semisupervised Tangent Space Discriminant Analysis. Mathematical Problems in Engineering, 2015, 2015, 1-10.	1.1	2
79	Dynamical Sampling with Langevin Normalization Flows. Entropy, 2019, 21, 1096.	2.2	2
80	Multiview learning with variational mixtures of Gaussian processes. Knowledge-Based Systems, 2020, 200, 105990.	7.1	2
81	Multi-Task Transformer with Input Feature Reconstruction for Dysarthric Speech Recognition. , 2021, , .		2
82	Infinite mixtures of multivariate Gaussian processes. , 2013, , .		1
83	Single-task and multitask sparse Gaussian processes. , 2013, , .		1
84	Supervised Bayesian sparse coding for classification. , 2014, , .		1
85	PAC-Bayes Analysis for Twin Support Vector Machines. , 2015, , .		1
86	Uncorrelated transferable feature extraction for signal classification in brain-computer interfaces. , 2015, , .		1
87	Decomposed slice sampling for factorized distributions. Pattern Recognition, 2020, 97, 107021.	8.1	1
88	DetexNet: Accurately Diagnosing Frequent and Challenging Pediatric Malignant Tumors. IEEE Transactions on Medical Imaging, 2021, 40, 395-404.	8.9	1
89	Resilient Abstractive Summarization Model with Adaptively Weighted Training Loss. , 2021, , .		1
90	A Conditional Random Fields Based Framework for Multiview Sequential Data Modeling. Communications in Computer and Information Science, 2019, , 698-706.	0.5	1

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91	Stability-based PAC-Bayes analysis for multi-view learning algorithms. Information Fusion, 2022, 86-87, 76-92.	19.1	1
92	Sparse uncorrelated cross-domain feature extraction for signal classification in brain-computer interfaces. , 2015, , .		0
93	Variational hidden conditional random fields with beta processes. , 2017, , .		0
94	Stick-Breaking Dependent Beta Processes with Variational Inference. Neural Processing Letters, 2021, 53, 339-353.	3.2	0
95	Multi-view Defense with Adversarial Autoencoders. , 2021, , .		0
96	Variational Beta Process Hidden Markov Models with Shared Hidden States for Trajectory Recognition. Entropy, 2021, 23, 1290.	2.2	0
97	Adversarially Training MCMC with Non-Volume-Preserving Flows. Entropy, 2022, 24, 415.	2.2	0
98	Editorial: special issue on multi-view learning. Applied Intelligence, 0, , 1.	5.3	0