Xiaobo Chen

List of Publications by Year
in descending order

78 papers	2,179 citations	257450 24 h-index	243625 44 g-index
78 all docs	78 docs citations	78 times ranked	1825 citing authors

#	Article	IF	Citations
1	Learning Robust Discriminant Subspace Based on Joint Lâ„<i>â‚š</i>- and Lâ„<i>â‚‚</i>-Norm Distance Metrics. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 130-144.	11.3	80
2	Multiview Feature Learning With Multiatlas-Based Functional Connectivity Networks for MCI Diagnosis. IEEE Transactions on Cybernetics, 2022, 52, 6822-6833.	9.5	22
3	Intention-Aware Vehicle Trajectory Prediction Based on Spatial-Temporal Dynamic Attention Network for Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19471-19483.	8.0	38
4	A Novel Spatiotemporal Data Low-Rank Imputation Approach for Traffic Sensor Network. IEEE Internet of Things Journal, 2022, 9, 20122-20135.	8.7	2
5	Vehicle Trajectory Prediction Based on Intention-Aware Non-Autoregressive Transformer With Multi-Attention Learning for Internet of Vehicles. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	4.7	24
6	Torque Modeling of a Segmented-Rotor SRM Using Maximum-Correntropy-Criterion-Based LSSVR for Torque Calculation of EVs. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 2674-2684.	5.4	34
7	Geometric projection twin support vector machine for pattern classification. Multimedia Tools and Applications, 2021, 80, 23073-23089.	3.9	4
8	Soft-Weighted-Average Ensemble Vehicle Detection Method Based on Single-Stage and Two-Stage Deep Learning Models. IEEE Transactions on Intelligent Vehicles, 2021, 6, 100-109.	12.7	39
9	Constructing high-order functional connectivity network based on central moment features for diagnosis of autism spectrum disorder. PeerJ, 2021, 9, e11692.	2.0	6
10	Hierarchical Synchronization Estimation of Low- and High-Order Functional Connectivity Based on Sub-Network Division for the Diagnosis of Autism Spectrum Disorder. Frontiers in Neuroscience, 2021, 15, 810431.	2.8	4
11	Multi-Vehicle Cooperative Target Tracking with Time-Varying Localization Uncertainty via Recursive Variational Bayesian Inference. Sensors, 2020, 20, 6487.	3.8	3
12	A toolbox for brain network construction and classification (BrainNetClass). Human Brain Mapping, 2020, 41, 2808-2826.	3.6	52
13	Robust Cooperative Multi-Vehicle Tracking with Inaccurate Self-Localization Based on On-Board Sensors and Inter-Vehicle Communication. Sensors, 2020, 20, 3212.	3.8	5
14	Multi-Class ASD Classification Based on Functional Connectivity and Functional Correlation Tensor via Multi-Source Domain Adaptation and Multi-View Sparse Representation. IEEE Transactions on Medical Imaging, 2020, 39, 3137-3147.	8.9	44
15	Treatment-naïve first episode depression classification based on high-order brain functional network. Journal of Affective Disorders, 2019, 256, 33-41.	4.1	24
16	3D Vehicle Detection Based on LiDAR and Camera Fusion. Automotive Innovation, 2019, 2, 276-283.	5.1	3
17	Overall survival time prediction for high-grade glioma patients based on large-scale brain functional networks. Brain Imaging and Behavior, 2019, 13, 1333-1351.	2.1	37
18	Strength and similarity guided group-level brain functional network construction for MCI diagnosis. Pattern Recognition, 2019, 88, 421-430.	8.1	101

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19	Traffic State Spatial-Temporal Characteristic Analysis and Short-Term Forecasting Based on Manifold Similarity. IEEE Access, 2018, 6, 9690-9702.	4.2	20
20	Ensemble Learning Multiple LSSVR With Improved Harmony Search Algorithm for Short-Term Traffic Flow Forecasting. IEEE Access, 2018, 6, 9347-9357.	4.2	43
21	An Improved Self-Representation Approach for Missing Value Imputation. , 2018, , .		1
22	A Novel Method for Air Quality Data Imputation by Nuclear Norm Minimization. Journal of Sensors, 2018, 2018, 1-11.	1.1	2
23	A Vehicle Recognition Algorithm Based on Deep Transfer Learning with a Multiple Feature Subspace Distribution. Sensors, 2018, 18, 4109.	3.8	19
24	Improved Robust Discriminant Analysis for Feature Extraction. , 2018, , .		0
25	Vehicle Detection by Fusing Part Model Learning and Semantic Scene Information for Complex Urban Surveillance. Sensors, 2018, 18, 3505.	3.8	6
26	Kernel Sparse Representation with Hybrid Regularization for On-Road Traffic Sensor Data Imputation. Sensors, 2018, 18, 2884.	3.8	4
27	Graph regularized local self-representation for missing value imputation with applications to on-road traffic sensor data. Neurocomputing, 2018, 303, 47-59.	5.9	15
28	Nonconvex <inline-formula> <tex-math notation="LaTeX">l_p </tex-math> </inline-formula>-Norm Regularized Sparse Self-Representation for Traffic Sensor Data Recovery. IEEE Access, 2018, 6, 24279-24290.	4.2	8
29	Multi-Layer Multi-View Classification for Alzheimer's Disease Diagnosis. Proceedings of the AAAI Conference on Artificial Intelligence, 2018, 2018, 4406-4413.	4.9	5
30	Connectivity strengthâ€weighted sparse group representationâ€based brain network construction for M<scp>CI</scp> classification. Human Brain Mapping, 2017, 38, 2370-2383.	3.6	85
31	Spatiotemporal variable and parameter selection using sparse hybrid genetic algorithm for traffic flow forecasting. International Journal of Distributed Sensor Networks, 2017, 13, 155014771771337.	2.2	17
32	Hierarchical High-Order Functional Connectivity Networks and Selective Feature Fusion for MCI Classification. Neuroinformatics, 2017, 15, 271-284.	2.8	31
33	Constructing Multi-frequency High-Order Functional Connectivity Network for Diagnosis of Mild Cognitive Impairment. Lecture Notes in Computer Science, 2017, 10511, 9-16.	1.3	13
34	Inter-subject Similarity Guided Brain Network Modeling for MCI Diagnosis. Lecture Notes in Computer Science, 2017, 10541, 168-175.	1.3	6
35	Learning-based structurally-guided construction of resting-state functional correlation tensors. Magnetic Resonance Imaging, 2017, 43, 110-121.	1.8	17
36	Hybrid High-order Functional Connectivity Networks Using Resting-state Functional MRI for Mild Cognitive Impairment Diagnosis. Scientific Reports, 2017, 7, 6530.	3.3	102

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37	Ensemble correlation-based low-rank matrix completion with applications to traffic data imputation. Knowledge-Based Systems, 2017, 132, 249-262.	7.1	55
38	Extraction of dynamic functional connectivity from brain grey matter and white matter for MCI classification. Human Brain Mapping, 2017, 38, 5019-5034.	3.6	151
39	Test-Retest Reliability of â€œHigh-Orderâ€•Functional Connectivity in Young Healthy Adults. Frontiers in Neuroscience, 2017, 11, 439.	2.8	54
40	Learning Pairwise-Similarity Guided Sparse Functional Connectivity Network for MCI Classification. , 2017, 2017, 917-922.		1
41	Learning-Based Estimation of Functional Correlation Tensors in White Matter for Early Diagnosis of Mild Cognitive Impairment. Lecture Notes in Computer Science, 2017, 10530, 65-73.	1.3	0
42	Night-Time Vehicle Sensing in Far Infrared Image with Deep Learning. Journal of Sensors, 2016, 2016, 1-8.	1.1	21
43	Highâ€order restingâ€state functional connectivity network for MCI classification. Human Brain Mapping, 2016, 37, 3282-3296.	3.6	204
44	Topographical Information-Based High-Order Functional Connectivity and Its Application in Abnormality Detection forÂMild Cognitive Impairment. Journal of Alzheimer's Disease, 2016, 54, 1095-1112.	2.6	103
45	Multilevel framework to handle object occlusions for realâ€time tracking. IET Image Processing, 2016, 10, 885-892.	2.5	16
46	Functional Connectivity Network Fusion with Dynamic Thresholding for MCI Diagnosis. Lecture Notes in Computer Science, 2016, 10019, 246-253.	1.3	10
47	Vehicle detection based on visual saliency and deep sparse convolution hierarchical model. Chinese Journal of Mechanical Engineering (English Edition), 2016, 29, 765-772.	3.7	6
48	Occluded vehicle detection with local connected deep model. Multimedia Tools and Applications, 2016, 75, 9277-9293.	3.9	12
49	Complex video event detection via pairwise fusion of trajectory and multi-label hypergraphs. Multimedia Tools and Applications, 2016, 75, 15079-15100.	3.9	9
50	Correlation-Weighted Sparse Group Representation for Brain Network Construction in MCI Classification. Lecture Notes in Computer Science, 2016, 9900, 37-45.	1.3	16
51	Ensemble Hierarchical High-Order Functional Connectivity Networks for MCI Classification. Lecture Notes in Computer Science, 2016, 9901, 18-25.	1.3	15
52	Outcome Prediction for Patient with High-Grade Gliomas from Brain Functional and Structural Networks. Lecture Notes in Computer Science, 2016, 9901, 26-34.	1.3	29
53	Trajectoryâ€based anomalous behaviour detection for intelligent traffic surveillance. IET Intelligent Transport Systems, 2015, 9, 810-816.	3.0	69
54	Deep representation and stereo vision based vehicle detection. , 2015, , .		6

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55	Discriminant feature extraction for image recognition using complete robust maximum margin criterion. Machine Vision and Applications, 2015, 26, 857-870.	2.7	4
56	An improved robust and sparse twin support vector regression viaÂlinear programming. Soft Computing, 2014, 18, 2335-2348.	3.6	19
57	An Improved Linear Discriminant Analysis with L1-Norm for Robust Feature Extraction. , 2014, , .		22
58	Structural max-margin discriminant analysis for feature extraction. Knowledge-Based Systems, 2014, 70, 154-166.	7.1	8
59	Graph Embedded Total Margin Twin Support Vector Machine and Its Applications. , 2014, , 385-405.		0
60	Regularized least squares fisher linear discriminant with applications to image recognition. Neurocomputing, 2013, 122, 521-534.	5.9	12
61	Improved twin support vector machine using total margin and graph embedding. , 2013, , .		0
62	Complete large margin linear discriminant analysis using mathematical programming approach. Pattern Recognition, 2013, 46, 1579-1594.	8.1	25
63	A flexible support vector machine for regression. Neural Computing and Applications, 2012, 21, 2005-2013.	5.6	13
64	Discriminant Kernel Learning Using Hybrid Regularization. Neural Processing Letters, 2012, 36, 257-273.	3.2	1
65	Recursive robust least squares support vector regression based on maximum correntropy criterion. Neurocomputing, 2012, 97, 63-73.	5.9	67
66	A feature selection method for nonparallel plane support vector machine classification. Optimization Methods and Software, 2012, 27, 431-443.	2.4	11
67	Smooth twin support vector regression. Neural Computing and Applications, 2012, 21, 505-513.	5.6	53
68	Recursive â€œconcaveâ€"convexâ€•Fisher Linear Discriminant with applications to face, handwritten digit and terrain recognition. Pattern Recognition, 2012, 45, 54-65.	8.1	22
69	Localized twin SVM via convex minimization. Neurocomputing, 2011, 74, 580-587.	5.9	36
70	Optimal Locality Regularized Least Squares Support Vector Machine via Alternating Optimization. Neural Processing Letters, 2011, 33, 301-315.	3.2	13
71	Optimal locality preserving least square support vector machine. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2011, 6, 201-207.	0.6	0
72	Recursive projection twin support vector machine via within-class variance minimization. Pattern Recognition, 2011, 44, 2643-2655.	8.1	169

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73	The study of car rear-end warning model based on MAS and behaviour. International Journal of Computer Applications in Technology, 2010, 39, 207.	0.5	0
74	Robust and Sparse Twin Support Vector Regression via Linear Programming. , 2010, , .		4
75	Support Vector Regression with Automatic Margin Control. , 2010, , .		0
76	A Model of Car Rear-End Warning by Means of MAS and Behavior. Lecture Notes in Electrical Engineering, 2010, , 79-87.	0.4	0
77	Image Segmentation Based on Inhomogeneous Markov Random Field and Dirichlet Process Mixture. , 2008, , .		0
78	Multi-View Feature Enhancement Based on Self-Attention Mechanism Graph Convolutional Network for Autism Spectrum Disorder Diagnosis. Frontiers in Human Neuroscience, 0, 16, .	2.0	7