

Xiaobo Chen

List of Publications by Year in descending order

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78
papers

2,179
citations

257101

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44
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docs citations

78
times ranked

1825
citing authors

#	ARTICLE	IF	CITATIONS
1	High-order resting-state functional connectivity network for MCI classification. <i>Human Brain Mapping</i> , 2016, 37, 3282-3296.	1.9	204
2	Recursive projection twin support vector machine via within-class variance minimization. <i>Pattern Recognition</i> , 2011, 44, 2643-2655.	5.1	169
3	Extraction of dynamic functional connectivity from brain grey matter and white matter for MCI classification. <i>Human Brain Mapping</i> , 2017, 38, 5019-5034.	1.9	151
4	Topographical Information-Based High-Order Functional Connectivity and Its Application in Abnormality Detection for Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2016, 54, 1095-1112.	1.2	103
5	Hybrid High-order Functional Connectivity Networks Using Resting-state Functional MRI for Mild Cognitive Impairment Diagnosis. <i>Scientific Reports</i> , 2017, 7, 6530.	1.6	102
6	Strength and similarity guided group-level brain functional network construction for MCI diagnosis. <i>Pattern Recognition</i> , 2019, 88, 421-430.	5.1	101
7	Connectivity strength-weighted sparse group representation-based brain network construction for MCI classification. <i>Human Brain Mapping</i> , 2017, 38, 2370-2383.	1.9	85
8	Learning Robust Discriminant Subspace Based on Joint $L_{2,1}$ - and $L_{2,1}$ -Norm Distance Metrics. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 130-144.	7.2	80
9	Trajectory-based anomalous behaviour detection for intelligent traffic surveillance. <i>IET Intelligent Transport Systems</i> , 2015, 9, 810-816.	1.7	69
10	Recursive robust least squares support vector regression based on maximum correntropy criterion. <i>Neurocomputing</i> , 2012, 97, 63-73.	3.5	67
11	Ensemble correlation-based low-rank matrix completion with applications to traffic data imputation. <i>Knowledge-Based Systems</i> , 2017, 132, 249-262.	4.0	55
12	Test-Retest Reliability of High-Order Functional Connectivity in Young Healthy Adults. <i>Frontiers in Neuroscience</i> , 2017, 11, 439.	1.4	54
13	Smooth twin support vector regression. <i>Neural Computing and Applications</i> , 2012, 21, 505-513.	3.2	53
14	A toolbox for brain network construction and classification (BrainNetClass). <i>Human Brain Mapping</i> , 2020, 41, 2808-2826.	1.9	52
15	Multi-Class ASD Classification Based on Functional Connectivity and Functional Correlation Tensor via Multi-Source Domain Adaptation and Multi-View Sparse Representation. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 3137-3147.	5.4	44
16	Ensemble Learning Multiple LSSVR With Improved Harmony Search Algorithm for Short-Term Traffic Flow Forecasting. <i>IEEE Access</i> , 2018, 6, 9347-9357.	2.6	43
17	Soft-Weighted-Average Ensemble Vehicle Detection Method Based on Single-Stage and Two-Stage Deep Learning Models. <i>IEEE Transactions on Intelligent Vehicles</i> , 2021, 6, 100-109.	9.4	39
18	Intention-Aware Vehicle Trajectory Prediction Based on Spatial-Temporal Dynamic Attention Network for Internet of Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 19471-19483.	4.7	38

#	ARTICLE	IF	CITATIONS
19	Overall survival time prediction for high-grade glioma patients based on large-scale brain functional networks. <i>Brain Imaging and Behavior</i> , 2019, 13, 1333-1351.	1.1	37
20	Localized twin SVM via convex minimization. <i>Neurocomputing</i> , 2011, 74, 580-587.	3.5	36
21	Torque Modeling of a Segmented-Rotor SRM Using Maximum-Correntropy-Criterion-Based LSSVR for Torque Calculation of EVs. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021, 9, 2674-2684.	3.7	34
22	Hierarchical High-Order Functional Connectivity Networks and Selective Feature Fusion for MCI Classification. <i>Neuroinformatics</i> , 2017, 15, 271-284.	1.5	31
23	Outcome Prediction for Patient with High-Grade Gliomas from Brain Functional and Structural Networks. <i>Lecture Notes in Computer Science</i> , 2016, 9901, 26-34.	1.0	29
24	Complete large margin linear discriminant analysis using mathematical programming approach. <i>Pattern Recognition</i> , 2013, 46, 1579-1594.	5.1	25
25	Treatment-naïve first episode depression classification based on high-order brain functional network. <i>Journal of Affective Disorders</i> , 2019, 256, 33-41.	2.0	24
26	Vehicle Trajectory Prediction Based on Intention-Aware Non-Autoregressive Transformer With Multi-Attention Learning for Internet of Vehicles. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-12.	2.4	24
27	Recursive "concave" convex-Fisher Linear Discriminant with applications to face, handwritten digit and terrain recognition. <i>Pattern Recognition</i> , 2012, 45, 54-65.	5.1	22
28	An Improved Linear Discriminant Analysis with L1-Norm for Robust Feature Extraction. , 2014, , .		22
29	Multiview Feature Learning With Multiatlas-Based Functional Connectivity Networks for MCI Diagnosis. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 6822-6833.	6.2	22
30	Night-Time Vehicle Sensing in Far Infrared Image with Deep Learning. <i>Journal of Sensors</i> , 2016, 2016, 1-8.	0.6	21
31	Traffic State Spatial-Temporal Characteristic Analysis and Short-Term Forecasting Based on Manifold Similarity. <i>IEEE Access</i> , 2018, 6, 9690-9702.	2.6	20
32	An improved robust and sparse twin support vector regression via linear programming. <i>Soft Computing</i> , 2014, 18, 2335-2348.	2.1	19
33	A Vehicle Recognition Algorithm Based on Deep Transfer Learning with a Multiple Feature Subspace Distribution. <i>Sensors</i> , 2018, 18, 4109.	2.1	19
34	Spatiotemporal variable and parameter selection using sparse hybrid genetic algorithm for traffic flow forecasting. <i>International Journal of Distributed Sensor Networks</i> , 2017, 13, 155014771771337.	1.3	17
35	Learning-based structurally-guided construction of resting-state functional correlation tensors. <i>Magnetic Resonance Imaging</i> , 2017, 43, 110-121.	1.0	17
36	Multilevel framework to handle object occlusions for real-time tracking. <i>IET Image Processing</i> , 2016, 10, 885-892.	1.4	16

#	ARTICLE	IF	CITATIONS
37	Correlation-Weighted Sparse Group Representation for Brain Network Construction in MCI Classification. Lecture Notes in Computer Science, 2016, 9900, 37-45.	1.0	16
38	Graph regularized local self-representation for missing value imputation with applications to on-road traffic sensor data. Neurocomputing, 2018, 303, 47-59.	3.5	15
39	Ensemble Hierarchical High-Order Functional Connectivity Networks for MCI Classification. Lecture Notes in Computer Science, 2016, 9901, 18-25.	1.0	15
40	Optimal Locality Regularized Least Squares Support Vector Machine via Alternating Optimization. Neural Processing Letters, 2011, 33, 301-315.	2.0	13
41	A flexible support vector machine for regression. Neural Computing and Applications, 2012, 21, 2005-2013.	3.2	13
42	Constructing Multi-frequency High-Order Functional Connectivity Network for Diagnosis of Mild Cognitive Impairment. Lecture Notes in Computer Science, 2017, 10511, 9-16.	1.0	13
43	Regularized least squares fisher linear discriminant with applications to image recognition. Neurocomputing, 2013, 122, 521-534.	3.5	12
44	Occluded vehicle detection with local connected deep model. Multimedia Tools and Applications, 2016, 75, 9277-9293.	2.6	12
45	A feature selection method for nonparallel plane support vector machine classification. Optimization Methods and Software, 2012, 27, 431-443.	1.6	11
46	Functional Connectivity Network Fusion with Dynamic Thresholding for MCI Diagnosis. Lecture Notes in Computer Science, 2016, 10019, 246-253.	1.0	10
47	Complex video event detection via pairwise fusion of trajectory and multi-label hypergraphs. Multimedia Tools and Applications, 2016, 75, 15079-15100.	2.6	9
48	Structural max-margin discriminant analysis for feature extraction. Knowledge-Based Systems, 2014, 70, 154-166.	4.0	8
49	Nonconvex ℓ_1 -Norm Regularized Sparse Self-Representation for Traffic Sensor Data Recovery. IEEE Access, 2018, 6, 24279-24290.	2.6	8
50	Multi-View Feature Enhancement Based on Self-Attention Mechanism Graph Convolutional Network for Autism Spectrum Disorder Diagnosis. Frontiers in Human Neuroscience, 0, 16, .	1.0	7
51	Deep representation and stereo vision based vehicle detection. , 2015, , .		6
52	Vehicle detection based on visual saliency and deep sparse convolution hierarchical model. Chinese Journal of Mechanical Engineering (English Edition), 2016, 29, 765-772.	1.9	6
53	Inter-subject Similarity Guided Brain Network Modeling for MCI Diagnosis. Lecture Notes in Computer Science, 2017, 10541, 168-175.	1.0	6
54	Vehicle Detection by Fusing Part Model Learning and Semantic Scene Information for Complex Urban Surveillance. Sensors, 2018, 18, 3505.	2.1	6

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55	Constructing high-order functional connectivity network based on central moment features for diagnosis of autism spectrum disorder. PeerJ, 2021, 9, e11692.	0.9	6
56	Robust Cooperative Multi-Vehicle Tracking with Inaccurate Self-Localization Based on On-Board Sensors and Inter-Vehicle Communication. Sensors, 2020, 20, 3212.	2.1	5
57	Multi-Layer Multi-View Classification for Alzheimer's Disease Diagnosis. Proceedings of the AAAI Conference on Artificial Intelligence, 2018, 2018, 4406-4413.	3.6	5
58	Robust and Sparse Twin Support Vector Regression via Linear Programming. , 2010, , .		4
59	Discriminant feature extraction for image recognition using complete robust maximum margin criterion. Machine Vision and Applications, 2015, 26, 857-870.	1.7	4
60	Kernel Sparse Representation with Hybrid Regularization for On-Road Traffic Sensor Data Imputation. Sensors, 2018, 18, 2884.	2.1	4
61	Geometric projection twin support vector machine for pattern classification. Multimedia Tools and Applications, 2021, 80, 23073-23089.	2.6	4
62	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.	1.4	4
63	3D Vehicle Detection Based on LiDAR and Camera Fusion. Automotive Innovation, 2019, 2, 276-283.	3.1	3
64	Multi-Vehicle Cooperative Target Tracking with Time-Varying Localization Uncertainty via Recursive Variational Bayesian Inference. Sensors, 2020, 20, 6487.	2.1	3
65	A Novel Method for Air Quality Data Imputation by Nuclear Norm Minimization. Journal of Sensors, 2018, 2018, 1-11.	0.6	2
66	A Novel Spatiotemporal Data Low-Rank Imputation Approach for Traffic Sensor Network. IEEE Internet of Things Journal, 2022, 9, 20122-20135.	5.5	2
67	Discriminant Kernel Learning Using Hybrid Regularization. Neural Processing Letters, 2012, 36, 257-273.	2.0	1
68	Learning Pairwise-Similarity Guided Sparse Functional Connectivity Network for MCI Classification. , 2017, 2017, 917-922.		1
69	An Improved Self-Representation Approach for Missing Value Imputation. , 2018, , .		1
70	Image Segmentation Based on Inhomogeneous Markov Random Field and Dirichlet Process Mixture. , 2008, , .		0
71	The study of car rear-end warning model based on MAS and behaviour. International Journal of Computer Applications in Technology, 2010, 39, 207.	0.3	0
72	Support Vector Regression with Automatic Margin Control. , 2010, , .		0

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73	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
74	Improved twin support vector machine using total margin and graph embedding. , 2013, , .		0
75	Graph Embedded Total Margin Twin Support Vector Machine and Its Applications. , 2014, , 385-405.		0
76	Improved Robust Discriminant Analysis for Feature Extraction. , 2018, , .		0
77	A Model of Car Rear-End Warning by Means of MAS and Behavior. Lecture Notes in Electrical Engineering, 2010, , 79-87.	0.3	0
78	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.	1.0	0