

Xia Wu

List of Publications by Year in descending order

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80
papers

1,805
citations

331670

21
h-index

330143

37
g-index

83
all docs

83
docs citations

83
times ranked

2692
citing authors

#	ARTICLE	IF	CITATIONS
1	EEG Feature Selection via Global Redundancy Minimization for Emotion Recognition. IEEE Transactions on Affective Computing, 2023, 14, 421-435.	8.3	9
2	The Recognition of Multiple Anxiety Levels Based on Electroencephalograph. IEEE Transactions on Affective Computing, 2022, 13, 519-529.	8.3	21
3	Identifying Cortical Brain Directed Connectivity Networks From High-Density EEG for Emotion Recognition. IEEE Transactions on Affective Computing, 2022, 13, 1489-1500.	8.3	19
4	Cognitive Workload Recognition Using EEG Signals and Machine Learning: A Review. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 799-818.	3.8	42
5	Evolutional Neural Architecture Search for Optimization of Spatiotemporal Brain Network Decomposition. IEEE Transactions on Biomedical Engineering, 2022, 69, 624-634.	4.2	15
6	A General Framework for Feature Selection Under Orthogonal Regression With Global Redundancy Minimization. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 5056-5069.	5.7	13
7	Cross-Task Cognitive Workload Recognition Based on EEG and Domain Adaptation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 50-60.	4.9	19
8	Estimating Functional Connectivity by Integration of Inherent Brain Function Activity Pattern Priors. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 2420-2430.	3.0	5
9	Altered Time-Frequency Feature in Default Mode Network of Autism Based on Improved Hilbert-Huang Transform. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 485-492.	6.3	13
10	Prediction of trust propensity from intrinsic brain morphology and functional connectome. Human Brain Mapping, 2021, 42, 175-191.	3.6	31
11	The functional hierarchy of the task-positive networks indicates a core control system of top-down regulation in visual attention. Journal of Integrative Neuroscience, 2021, 20, 43.	1.7	3
12	Effect of Antiferromagnetic Order on Mixed States in Electron-Doped High-Tc Superconductors. Journal of Superconductivity and Novel Magnetism, 2021, 34, 1107-1112.	1.8	0
13	Simultaneous spatial-temporal decomposition for connectome-scale brain networks by deep sparse recurrent auto-encoder. Brain Imaging and Behavior, 2021, 15, 2646-2660.	2.1	10
14	Supervised Feature Selection With Orthogonal Regression and Feature Weighting. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1831-1838.	11.3	48
15	Morphological changes in subregions of hippocampus and amygdala in major depressive disorder patients. Brain Imaging and Behavior, 2020, 14, 653-667.	2.1	53
16	Shared and specific functional connectivity alterations in unmedicated bipolar and major depressive disorders based on the triple-network model. Brain Imaging and Behavior, 2020, 14, 186-199.	2.1	60
17	An fMRI Feature Selection Method Based on a Minimum Spanning Tree for Identifying Patients with Autism. Symmetry, 2020, 12, 1995.	2.2	10
18	Feature Selection Under Orthogonal Regression with Redundancy Minimizing. , 2020, , .		5

#	ARTICLE	IF	CITATIONS
19	Eeg Feature Selection Using Orthogonal Regression: Application to Emotion Recognition. , 2020, , .		7
20	Brain-wide resting-state connectivity regulation by the hippocampus and medial prefrontal cortex is associated with fluid intelligence. <i>Brain Structure and Function</i> , 2020, 225, 1587-1600.	2.3	11
21	Comparison of feature selection methods based on discrimination and reliability for fMRI decoding analysis. <i>Journal of Neuroscience Methods</i> , 2020, 335, 108567.	2.5	8
22	Working Memory Training Using EEG Neurofeedback Based on Theta Coherence of Brain Regions. , 2019, , .		0
23	Altered dynamic functional connectivity in weakly-connected state in major depressive disorder. <i>Clinical Neurophysiology</i> , 2019, 130, 2096-2104.	1.5	53
24	Simultaneous Spatial-Temporal Decomposition of Connectome-Scale Brain Networks by Deep Sparse Recurrent Auto-Encoders. <i>Lecture Notes in Computer Science</i> , 2019, , 579-591.	1.3	17
25	Structural alterations of the brain preceded functional alterations in major depressive disorder patients: Evidence from multimodal connectivity. <i>Journal of Affective Disorders</i> , 2019, 253, 107-117.	4.1	52
26	Exploring directed functional connectivity based on electroencephalography source signals using a global cortex factor-based multivariate autoregressive model. <i>Journal of Neuroscience Methods</i> , 2019, 318, 6-16.	2.5	3
27	A New fMRI Informed Mixed-Norm Constrained Algorithm for EEG Source Localization. <i>IEEE Access</i> , 2018, 6, 8258-8269.	4.2	13
28	Neural substrates of the emotion-word and emotional counting Stroop tasks in healthy and clinical populations: A meta-analysis of functional brain imaging studies. <i>NeuroImage</i> , 2018, 173, 258-274.	4.2	37
29	Aberrant Connectivity in Mild Cognitive Impairment and Alzheimer Disease Revealed by Multimodal Neuroimaging Data. <i>Neurodegenerative Diseases</i> , 2018, 18, 5-18.	1.4	11
30	Functional brain abnormalities in major depressive disorder using the Hilbert-Huang transform. <i>Brain Imaging and Behavior</i> , 2018, 12, 1556-1568.	2.1	15
31	The dynamic characteristics of the anterior cingulate cortex in resting-state fMRI of patients with depression. <i>Journal of Affective Disorders</i> , 2018, 227, 391-397.	4.1	64
32	Dynamic Top-down Configuration by the Core Control System During Working Memory. <i>Neuroscience</i> , 2018, 391, 13-24.	2.3	6
33	Altered electroencephalography functional connectivity in depression during the emotional face-word Stroop task. <i>Journal of Neural Engineering</i> , 2018, 15, 056014.	3.5	12
34	Individualized prediction of trait narcissism from whole-brain resting-state functional connectivity. <i>Human Brain Mapping</i> , 2018, 39, 3701-3712.	3.6	49
35	Combinations of Multiple Neuroimaging Markers using Logistic Regression for Auxiliary Diagnosis of Alzheimer Disease and Mild Cognitive Impairment. <i>Neurodegenerative Diseases</i> , 2018, 18, 91-106.	1.4	3
36	Resting-State Functional Connectivity Underlying Costly Punishment: A Machine-Learning Approach. <i>Neuroscience</i> , 2018, 385, 25-37.	2.3	20

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37	Multi-feature kernel discriminant dictionary learning for face recognition. Pattern Recognition, 2017, 66, 404-411.	8.1	40
38	Multi-modal discriminative dictionary learning for Alzheimer's disease and mild cognitive impairment. Computer Methods and Programs in Biomedicine, 2017, 150, 1-8.	4.7	30
39	Abnormal EEG-based functional connectivity under a face-word stroop task in depression. , 2017, , .		4
40	Detecting depression in speech: Comparison and combination between different speech types. , 2017, , .		17
41	Multi-Feature Kernel Discriminant Dictionary Learning for Classification in Alzheimer's Disease. , 2017, , .		0
42	Classification of Cognitive Level of Patients with Leukoaraiosis on the Basis of Linear and Non-Linear Functional Connectivity. Frontiers in Neurology, 2017, 8, 2.	2.4	11
43	Frequency Clustering Analysis for Resting State Functional Magnetic Resonance Imaging Based on Hilbert-Huang Transform. Frontiers in Human Neuroscience, 2017, 11, 61.	2.0	5
44	Classification of Alzheimer's Disease, Mild Cognitive Impairment, and Cognitively Unimpaired Individuals Using Multi-feature Kernel Discriminant Dictionary Learning. Frontiers in Computational Neuroscience, 2017, 11, 117.	2.1	22
45	A Triple Network Connectivity Study of Large-Scale Brain Systems in Cognitively Normal APOE4 Carriers. Frontiers in Aging Neuroscience, 2016, 8, 231.	3.4	39
46	Multimodal Classification of Mild Cognitive Impairment Based on Partial Least Squares. Journal of Alzheimer's Disease, 2016, 54, 359-371.	2.6	39
47	Prediction of Progressive Mild Cognitive Impairment by Multi-Modal Neuroimaging Biomarkers. Journal of Alzheimer's Disease, 2016, 51, 1045-1056.	2.6	62
48	A real-time method to reduce ballistocardiogram artifacts from EEG during fMRI based on optimal basis sets (OBS). Computer Methods and Programs in Biomedicine, 2016, 127, 114-125.	4.7	16
49	Classifying four-category visual objects using multiple ERP components in single-trial ERP. Cognitive Neurodynamics, 2016, 10, 275-285.	4.0	22
50	Identification of Conversion from Normal Elderly Cognition to Alzheimer's Disease using Multimodal Support Vector Machine. Journal of Alzheimer's Disease, 2015, 47, 1057-1067.	2.6	16
51	The Altered Triple Networks Interaction in Depression under Resting State Based on Graph Theory. BioMed Research International, 2015, 2015, 1-8.	1.9	50
52	MIC as an Appropriate Method to Construct the Brain Functional Network. BioMed Research International, 2015, 2015, 1-10.	1.9	18
53	Breakdown of Sensorimotor Network Communication in Leukoaraiosis. Neurodegenerative Diseases, 2015, 15, 322-330.	1.4	16
54	Directionality of large-scale resting-state brain networks during eyes open and eyes closed conditions. Frontiers in Human Neuroscience, 2015, 9, 81.	2.0	25

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55	Altered effective connectivity model in the default mode network between bipolar and unipolar depression based on resting-state fMRI. <i>Journal of Affective Disorders</i> , 2015, 182, 8-17.	4.1	70
56	Multi-modality sparse representation-based classification for Alzheimer's disease and mild cognitive impairment. <i>Computer Methods and Programs in Biomedicine</i> , 2015, 122, 182-190.	4.7	70
57	Functional connectivity alteration after real-time fMRI motor imagery training through self-regulation of activities of the right premotor cortex. <i>BMC Neuroscience</i> , 2015, 16, 29.	1.9	17
58	Independent Component Analysis-Based Identification of Covariance Patterns of Microstructural White Matter Damage in Alzheimer's Disease. <i>PLoS ONE</i> , 2015, 10, e0119714.	2.5	15
59	Bayesian network analysis revealed the connectivity difference of the default mode network from the resting-state to task-state. <i>Frontiers in Computational Neuroscience</i> , 2014, 8, 118.	2.1	12
60	Characterizing structural association alterations within brain networks in normal aging using Gaussian Bayesian networks. <i>Frontiers in Computational Neuroscience</i> , 2014, 8, 122.	2.1	5
61	A pooling-LiNGAM algorithm for effective connectivity analysis of fMRI data. <i>Frontiers in Computational Neuroscience</i> , 2014, 8, 125.	2.1	15
62	Big data analysis of the human brain's functional interactions based on fMRI. <i>Science Bulletin</i> , 2014, 59, 5059-5065.	1.7	4
63	A new dynamic Bayesian network approach for determining effective connectivity from fMRI data. <i>Neural Computing and Applications</i> , 2014, 24, 91-97.	5.6	18
64	The contribution of different frequency bands of fMRI data to the correlation with EEG alpha rhythm. <i>Brain Research</i> , 2014, 1543, 235-243.	2.2	22
65	Working memory training using EEG neurofeedback in normal young adults. <i>Bio-Medical Materials and Engineering</i> , 2014, 24, 3637-3644.	0.6	18
66	The Receiver Operational Characteristic for Binary Classification with Multiple Indices and Its Application to the Neuroimaging Study of Alzheimer's Disease. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2013, 10, 173-180.	3.0	20
67	The spatial pattern of basal ganglia network: A resting state fMRI study. , 2012, , .		3
68	Independent component analysis of the resting-state brain functional MRI study in adults with bipolar depression. , 2012, , .		5
69	A transfer learning approach for network modeling. <i>IIE Transactions</i> , 2012, 44, 915-931.	2.1	19
70	The difference of two brain states: A simultaneous EEG/fMRI study. , 2011, , .		0
71	Large-scale directional connections among multi resting-state neural networks in human brain: A functional MRI and Bayesian network modeling study. <i>NeuroImage</i> , 2011, 56, 1035-1042.	4.2	49
72	Altered default mode network connectivity in alzheimer's disease—A resting functional MRI and bayesian network study. <i>Human Brain Mapping</i> , 2011, 32, 1868-1881.	3.6	172

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73	Assessing the reliability to detect cerebral hypometabolism in probable Alzheimer's disease and amnesic mild cognitive impairment. <i>Journal of Neuroscience Methods</i> , 2010, 192, 277-285.	2.5	14
74	Deriving difference between the Bayesian networks based patterns of the effective connectivity using permutation test in fMRI studies. , 2010, , .		1
75	Application of Granger causality analysis to effective connectivity of the default-mode network. , 2010, , .		1
76	Multiple neural networks supporting a semantic task: An fMRI study using independent component analysis. <i>NeuroImage</i> , 2009, 45, 1347-1358.	4.2	38
77	Sparse representation of global features of visual images in human primary visual cortex: Evidence from fMRI. <i>Science Bulletin</i> , 2008, 53, 2165-2174.	9.0	3
78	Ipsilateral brain deactivation specific to the nondominant hand during simple finger movements. <i>NeuroReport</i> , 2008, 19, 483-486.	1.2	13
79	A variant of logistic transfer function in Infomax and a postprocessing procedure for independent component analysis applied to fMRI data. <i>Magnetic Resonance Imaging</i> , 2007, 25, 703-711.	1.8	4
80	Functional Connectivity in the Resting Brain: An Analysis Based on ICA. <i>Lecture Notes in Computer Science</i> , 2006, , 175-182.	1.3	7