# Xia Wu

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3533874/publications.pdf

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| 80 | 1,805 | 331670 21 | 330143 37 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 83 | 83 | 83 | 2692 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Altered default mode network connectivity in alzheimer's diseaseâ€"A resting functional MRI and bayesian network study. Human Brain Mapping, 2011, 32, 1868-1881. | 3.6 | 172 |
| 2 | Altered effective connectivity model in the default mode network between bipolar and unipolar depression based on resting-state fMRI. Journal of Affective Disorders, 2015, 182, 8-17. | 4.1 | 70 |
| 3 | Multi-modality sparse representation-based classification for Alzheimer's disease and mild cognitive impairment. Computer Methods and Programs in Biomedicine, 2015, 122, 182-190. | 4.7 | 70 |
| 4 | The dynamic characteristics of the anterior cingulate cortex in resting-state fMRI of patients with depression. Journal of Affective Disorders, 2018, 227, 391-397. | 4.1 | 64 |
| 5 | Prediction of Progressive Mild Cognitive Impairment by Multi-Modal Neuroimaging Biomarkers. Journal of Alzheimer's Disease, 2016, 51, 1045-1056. | 2.6 | 62 |
| 6 | 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 |
| 7 | Altered dynamic functional connectivity in weakly-connected state in major depressive disorder. Clinical Neurophysiology, 2019, 130, 2096-2104. | 1.5 | 53 |
| 8 | Morphological changes in subregions of hippocampus and amygdala in major depressive disorder patients. Brain Imaging and Behavior, 2020, 14, 653-667. | 2.1 | 53 |
| 9 | Structural alterations of the brain preceded functional alterations in major depressive disorder patients: Evidence from multimodal connectivity. Journal of Affective Disorders, 2019, 253, 107-117. | 4.1 | 52 |
| 10 | The Altered Triple Networks Interaction in Depression under Resting State Based on Graph Theory. BioMed Research International, 2015, 2015, 1-8. | 1.9 | 50 |
| 11 | Large-scale directional connections among multi resting-state neural networks in human brain: A functional MRI and Bayesian network modeling study. NeuroImage, 2011, 56, 1035-1042. | 4.2 | 49 |
| 12 | Individualized prediction of trait narcissism from wholeâ€brain restingâ€state functional connectivity. Human Brain Mapping, 2018, 39, 3701-3712. | 3.6 | 49 |
| 13 | Supervised Feature Selection With Orthogonal Regression and Feature Weighting. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1831-1838. | 11.3 | 48 |
| 14 | 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 |
| 15 | Multi-feature kernel discriminant dictionary learning for face recognition. Pattern Recognition, 2017, 66, 404-411. | 8.1 | 40 |
| 16 | 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 |
| 17 | Multimodal Classification of Mild Cognitive Impairment Based on Partial Least Squares. Journal of Alzheimer's Disease, 2016, 54, 359-371. | 2.6 | 39 |
| 18 | Multiple neural networks supporting a semantic task: An fMRI study using independent component analysis. NeuroImage, 2009, 45, 1347-1358. | 4.2 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Neural substrates of the emotion-word and emotional counting Stroop tasks in healthy and clinical populations: A meta-analysis of functional brain imaging studies. NeuroImage, 2018, 173, 258-274. | 4.2 | 37 |
| 20 | Prediction of trust propensity from intrinsic brain morphology and functional connectome. Human Brain Mapping, 2021, 42, 175-191. | 3.6 | 31 |
| 21 | 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 |
| 22 | 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 |
| 23 | The contribution of different frequency bands of fMRI data to the correlation with EEG alpha rhythm. Brain Research, 2014, 1543, 235-243. | 2.2 | 22 |
| 24 | Classifying four-category visual objects using multiple ERP components in single-trial ERP. Cognitive Neurodynamics, 2016, 10, 275-285. | 4.0 | 22 |
| 25 | 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 |
| 26 | The Recognition of Multiple Anxiety Levels Based on Electroencephalograph. IEEE Transactions on Affective Computing, 2022, 13, 519-529. | 8.3 | 21 |
| 27 | The Receiver Operational Characteristic for Binary Classification with Multiple Indices and Its Application to the Neuroimaging Study of Alzheimer's Disease. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2013, 10, 173-180. | 3.0 | 20 |
| 28 | Resting-State Functional Connectivity Underlying Costly Punishment: A Machine-Learning Approach. Neuroscience, 2018, 385, 25-37. | 2.3 | 20 |
| 29 | A transfer learning approach for network modeling. IIE Transactions, 2012, 44, 915-931. | 2.1 | 19 |
| 30 | 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 |
| 31 | 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 |
| 32 | A new dynamic Bayesian network approach for determining effective connectivity from fMRI data. Neural Computing and Applications, 2014, 24, 91-97. | 5.6 | 18 |
| 33 | Working memory training using EEG neurofeedback in normal young adults. Bio-Medical Materials and Engineering, 2014, 24, 3637-3644. | 0.6 | 18 |
| 34 | MIC as an Appropriate Method to Construct the Brain Functional Network. BioMed Research International, 2015, 2015, 1-10. | 1.9 | 18 |
| 35 | Functional connectivity alteration after real-time fMRI motor imagery training through self-regulation of activities of the right premotor cortex. BMC Neuroscience, 2015, 16, 29. | 1.9 | 17 |
| 36 | Detecting depression in speech: Comparison and combination between different speech types. , 2017, , . | | 17 |

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|---|---|---|---|
| 37 | Simultaneous Spatial-Temporal Decomposition of Connectome-Scale Brain Networks by Deep Sparse Recurrent Auto-Encoders. Lecture Notes in Computer Science, 2019, , 579-591. | 1.3 | 17 |
| 38 | Identification of Conversion from Normal Elderly Cognition to Alzheimerâ€™s Disease using Multimodal Support Vector Machine. Journal of Alzheimer's Disease, 2015, 47, 1057-1067. | 2.6 | 16 |
| 39 | Breakdown of Sensorimotor Network Communication in Leukoaraiosis. Neurodegenerative Diseases, 2015, 15, 322-330. | 1.4 | 16 |
| 40 | 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 |
| 41 | A pooling-LiNGAM algorithm for effective connectivity analysis of fMRI data. Frontiers in Computational Neuroscience, 2014, 8, 125. | 2.1 | 15 |
| 42 | Functional brain abnormalities in major depressive disorder using the Hilbert-Huang transform. Brain Imaging and Behavior, 2018, 12, 1556-1568. | 2.1 | 15 |
| 43 | Evolutional Neural Architecture Search for Optimization of Spatiotemporal Brain Network Decomposition. IEEE Transactions on Biomedical Engineering, 2022, 69, 624-634. | 4.2 | 15 |
| 44 | Independent Component Analysis-Based Identification of Covariance Patterns of Microstructural White Matter Damage in Alzheimerâ€™s Disease. PLoS ONE, 2015, 10, e0119714. | 2.5 | 15 |
| 45 | Assessing the reliability to detect cerebral hypometabolism in probable Alzheimer's disease and amnestic mild cognitive impairment. Journal of Neuroscience Methods, 2010, 192, 277-285. | 2.5 | 14 |
| 46 | Ipsilateral brain deactivation specific to the nondominant hand during simple finger movements. NeuroReport, 2008, 19, 483-486. | 1.2 | 13 |
| 47 | A New fMRI Informed Mixed-Norm Constrained Algorithm for EEG Source Localization. IEEE Access, 2018, 6, 8258-8269. | 4.2 | 13 |
| 48 | 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 |
| 49 | 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 |
| 50 | Bayesian network analysis revealed the connectivity difference of the default mode network from the resting-state to task-state. Frontiers in Computational Neuroscience, 2014, 8, 118. | 2.1 | 12 |
| 51 | Altered electroencephalography functional connectivity in depression during the emotional face-word Stroop task. Journal of Neural Engineering, 2018, 15, 056014. | 3.5 | 12 |
| 52 | 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 |
| 53 | Aberrant Connectivity in Mild Cognitive Impairment and Alzheimer Disease Revealed by Multimodal Neuroimaging Data. Neurodegenerative Diseases, 2018, 18, 5-18. | 1.4 | 11 |
| 54 | Brain-wide resting-state connectivity regulation by the hippocampus and medial prefrontal cortex is associated with fluid intelligence. Brain Structure and Function, 2020, 225, 1587-1600. | 2.3 | 11 |

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|---|---|---|---|
| 55 | An fMRI Feature Selection Method Based on a Minimum Spanning Tree for Identifying Patients with Autism. Symmetry, 2020, 12, 1995. | 2.2 | 10 |
| 56 | 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 |
| 57 | EEG Feature Selection via Global Redundancy Minimization for Emotion Recognition. IEEE Transactions on Affective Computing, 2023, 14, 421-435. | 8.3 | 9 |
| 58 | Comparison of feature selection methods based on discrimination and reliability for fMRI decoding analysis. Journal of Neuroscience Methods, 2020, 335, 108567. | 2.5 | 8 |
| 59 | Eeg Feature Selection Using Orthogonal Regression: Application to Emotion Recognition. , 2020, , . | | 7 |
| 60 | Functional Connectivity in the Resting Brain: An Analysis Based on ICA. Lecture Notes in Computer Science, 2006, , 175-182. | 1.3 | 7 |
| 61 | Dynamic Top-down Configuration by the Core Control System During Working Memory. Neuroscience, 2018, 391, 13-24. | 2.3 | 6 |
| 62 | Independent component analysis of the resting-state brain functional MRI study in adults with bipolar depression. , 2012, , . | | 5 |
| 63 | Characterizing structural association alterations within brain networks in normal aging using Gaussian Bayesian networks. Frontiers in Computational Neuroscience, 2014, 8, 122. | 2.1 | 5 |
| 64 | 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 |
| 65 | Feature Selection Under Orthogonal Regression with Redundancy Minimizing. , 2020, , . | | 5 |
| 66 | 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 |
| 67 | A variant of logistic transfer function in Infomax and a postprocessing procedure for independent component analysis applied to fMRI data. Magnetic Resonance Imaging, 2007, 25, 703-711. | 1.8 | 4 |
| 68 | Big data analysis of the human brainâ€™s functional interactions based on fMRI. Science Bulletin, 2014, 59, 5059-5065. | 1.7 | 4 |
| 69 | Abnormal EEG-based functional connectivity under a face-word stroop task in depression. , 2017, , . | | 4 |
| 70 | Sparse representation of global features of visual images in human primary visual cortex: Evidence from fMRI. Science Bulletin, 2008, 53, 2165-2174. | 9.0 | 3 |
| 71 | The spatial pattern of basal ganglia network: A resting state fMRI study. , 2012, , . | | 3 |
| 72 | Combinations of Multiple Neuroimaging Markers using Logistic Regression for Auxiliary Diagnosis of Alzheimer Disease and Mild Cognitive Impairment. Neurodegenerative Diseases, 2018, 18, 91-106. | 1.4 | 3 |

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|---|---|---|---|
| 73 | Exploring directed functional connectivity based on electroencephalography source signals using a global cortex factor-based multivariate autoregressive model. Journal of Neuroscience Methods, 2019, 318, 6-16. | 2.5 | 3 |
| 74 | 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 |
| 75 | Deriving difference between the Bayesian networks based patterns of the effective connectivity using permutation test in fMRI studies. , 2010, , . | | 1 |
| 76 | Application of Granger causality analysis to effective connectivity of the default-mode network. , 2010, , . | | 1 |
| 77 | The difference of two brain states: A simultaneous EEG/fMRI study. , 2011, , . | | 0 |
| 78 | Multi-Feature Kernel Discriminant Dictionary Learning for Classification in Alzheimer's Disease. , 2017, , . | | 0 |
| 79 | Working Memory Training Using EEG Neurofeedback Based on Theta Coherence of Brain Regions. , 2019, , . | | 0 |
| 80 | 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 |