

# Yi Zhao

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

910  
citations

567281

15  
h-index

501196

28  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1285  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Beyond Massive Univariate Tests: Covariance Regression Reveals Complex Patterns of Functional Connectivity Related to Attention-Deficit/Hyperactivity Disorder, Age, Sex, and Response Control. <i>Biological Psychiatry Global Open Science</i> , 2022, 2, 8-16. | 2.2  | 5         |
| 2  | Tau deposition and structural connectivity demonstrate differential association patterns with neurocognitive tests. <i>Brain Imaging and Behavior</i> , 2022, 16, 702-714.  | 2.1  | 5         |
| 3  | Pathway Lasso: pathway estimation and selection with high-dimensional mediators. <i>Statistics and Its Interface</i> , 2022, 15, 39-50.   | 0.3  | 12        |
| 4  | B-value and empirical equivalence bound: A new procedure of hypothesis testing. <i>Statistics in Medicine</i> , 2022, , .   | 1.6  | 1         |
| 5  | The global prevalence and ethnic heterogeneity of primary ciliary dyskinesia gene variants: a genetic database analysis. <i>Lancet Respiratory Medicine</i> , 2022, 10, 459-468.  | 10.7 | 63        |
| 6  | Multimodal data integration via mediation analysis with high-dimensional exposures and mediators. <i>Human Brain Mapping</i> , 2022, 43, 2519-2533.   | 3.6  | 5         |
| 7  | Global Brain Functional Network Connectivity in Infants With Prenatal Opioid Exposure. <i>Frontiers in Pediatrics</i> , 2022, 10, 847037.   | 1.9  | 15        |
| 8  | Thalamocortical functional connectivity in infants with prenatal opioid exposure correlates with severity of neonatal opioid withdrawal syndrome. <i>Neuroradiology</i> , 2022, 64, 1649-1659.  | 2.2  | 9         |
| 9  | Covariate Assisted Principal regression for covariance matrix outcomes. <i>Biostatistics</i> , 2021, 22, 629-645.   | 1.5  | 17        |
| 10 | Multimodal neuroimaging data integration and pathway analysis. <i>Biometrics</i> , 2021, 77, 879-889.   | 1.4  | 9         |
| 11 | Semiparametric partial common principal component analysis for covariance matrices. <i>Biometrics</i> , 2021, 77, 1175-1186.  | 1.4  | 2         |
| 12 | A whole-brain modeling approach to identify individual and group variations in functional connectivity. <i>Brain and Behavior</i> , 2021, 11, e01942.   | 2.2  | 5         |
| 13 | Developmental trajectory of subtle motor signs in attention-deficit/hyperactivity disorder: A longitudinal study from childhood to adolescence. <i>Child Neuropsychology</i> , 2021, 27, 317-332.   | 1.3  | 7         |
| 14 | White Matter Integrity Predicts Electrical Stimulation (tDCS) and Language Therapy Effects in Primary Progressive Aphasia. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 44-57.  | 2.9  | 22        |
| 15 | A Treatment to Eliminate SARS-CoV-2 Replication in Human Airway Epithelial Cells Is Safe for Inhalation as an Aerosol in Healthy Human Subjects. <i>Respiratory Care</i> , 2021, 66, 113-119.   | 1.6  | 4         |
| 16 | Distinct Patterns of Impaired Cognitive Control Among Boys and Girls with ADHD Across Development. <i>Research on Child and Adolescent Psychopathology</i> , 2021, 49, 835-848.   | 2.3  | 9         |
| 17 | Somatic cell hemoglobin modulates nitrogen oxide metabolism in the human airway epithelium. <i>Scientific Reports</i> , 2021, 11, 15498.  | 3.3  | 5         |
| 18 | Benefits of Airway Androgen Receptor Expression in Human Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 285-293.  | 5.6  | 26        |

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|----|--|-----|-----------|
| 19 | Principal regression for high dimensional covariance matrices. <i>Electronic Journal of Statistics</i> , 2021, 15, .   | 0.7 | 2         |
| 20 | Association of Plasma Tau With Mortality and Long-term Neurocognitive Impairment in Survivors of Pediatric Cerebral Malaria and Severe Malarial Anemia. <i>JAMA Network Open</i> , 2021, 4, e2138515.          | 5.9 | 13        |
| 21 | Sparse principal component based high-dimensional mediation analysis. <i>Computational Statistics and Data Analysis</i> , 2020, 142, 106835.   | 1.2 | 30        |
| 22 | Brain volumes as predictors of tDCS effects in primary progressive aphasia. <i>Brain and Language</i> , 2020, 200, 104707.   | 1.6 | 31        |
| 23 | Learning of skilled movements via imitation in ASD. <i>Autism Research</i> , 2020, 13, 777-784.  | 3.8 | 16        |
| 24 | Cognitive and language performance predicts effects of spelling intervention and tDCS in Primary Progressive Aphasia. <i>Cortex</i> , 2020, 124, 66-84.  | 2.4 | 22        |
| 25 | Increased mirror overflow movements in ADHD are associated with altered EEG alpha/beta band desynchronization. <i>European Journal of Neuroscience</i> , 2020, 51, 1815-1826.                                  | 2.6 | 20        |
| 26 | Granger Mediation Analysis of Multiple Time Series With an Application to Functional Magnetic Resonance Imaging. <i>Biometrics</i> , 2019, 75, 788-798.  | 1.4 | 9         |
| 27 | “The effect of tDCS on functional connectivity in primary progressive aphasia” <i>NeuroImage: Clinical</i> , volume 19 (2018), pages 703-715. <i>NeuroImage: Clinical</i> , 2019, 22, 101734.                  | 2.7 | 3         |
| 28 | The effect of tDCS on functional connectivity in primary progressive aphasia. <i>NeuroImage: Clinical</i> , 2018, 19, 703-715.   | 2.7 | 57        |
| 29 | Identification of race-associated metabolite biomarkers for hepatocellular carcinoma in patients with liver cirrhosis and hepatitis C virus infection. <i>PLoS ONE</i> , 2018, 13, e0192748.                   | 2.5 | 19        |
| 30 | Metabolomic Characterization of Hepatocellular Carcinoma in Patients with Liver Cirrhosis for Biomarker Discovery. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2017, 26, 675-683.                   | 2.5 | 40        |
| 31 | Protein network construction using reverse phase protein array data. <i>Methods</i> , 2017, 124, 89-99.  | 3.8 | 5         |
| 32 | Network-based analysis of reverse phase protein array data. , 2016, , .  |     | 0         |
| 33 | Neuromarkers of the common angiotensinogen polymorphism in healthy older adults: A comprehensive assessment of white matter integrity and cognition. <i>Behavioural Brain Research</i> , 2016, 296, 85-93.     | 2.2 | 11        |
| 34 | Genetic markers of cholesterol transport and gray matter diffusion: a preliminary study of the CETP I405V polymorphism. <i>Journal of Neural Transmission</i> , 2015, 122, 1581-1592.                          | 2.8 | 3         |
| 35 | White matter changes with age utilizing quantitative diffusion MRI. <i>Neurology</i> , 2014, 83, 247-252.  | 1.1 | 21        |
| 36 | Evaluation of Metabolite Biomarkers for Hepatocellular Carcinoma through Stratified Analysis by Gender, Race, and Alcoholic Cirrhosis. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2014, 23, 64-72. | 2.5 | 9         |

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|----|--|-----|-----------|
| 37 | LC-MS Profiling of N-Glycans Derived from Human Serum Samples for Biomarker Discovery in Hepatocellular Carcinoma. <i>Journal of Proteome Research</i> , 2014, 13, 4859-4868.                        | 3.7 | 46        |
| 38 | Feasibility of Identifying the Tobacco-related Global Metabolome in Blood by UPLC-QTOF-MS. <i>Journal of Proteome Research</i> , 2013, 12, 679-691.  | 3.7 | 34        |
| 39 | Gaussian process regression model for normalization of LC-MS data using scan-level information. <i>Proteome Science</i> , 2013, 11, S13.   | 1.7 | 15        |
| 40 | Abstract 2492: Targeted quantitation of candidate metabolic biomarkers for hepatocellular carcinoma.. , 2013, , .  |     | 0         |
| 41 | Evaluation of normalization methods for analysis of LC-MS data. , 2012, , .  |     | 7         |
| 42 | Variability assessment of LC-MS experiments and its application to experimental design and difference detection. , 2012, , .   |     | 0         |
| 43 | Utilization of metabolomics to identify serum biomarkers for hepatocellular carcinoma in patients with liver cirrhosis. <i>Analytica Chimica Acta</i> , 2012, 743, 90-100.                           | 5.4 | 146       |
| 44 | LC-MS Based Serum Metabolomics for Identification of Hepatocellular Carcinoma Biomarkers in Egyptian Cohort. <i>Journal of Proteome Research</i> , 2012, 11, 5914-5923.                              | 3.7 | 116       |
| 45 | Ion annotation-assisted analysis of LC-MS based metabolomic experiment. <i>Proteome Science</i> , 2012, 10, S8.  | 1.7 | 11        |
| 46 | Robust estimation of heterogeneous treatment effects: an algorithm-based approach. <i>Communications in Statistics Part B: Simulation and Computation</i> , 0, , 1-18.                               | 1.2 | 1         |
| 47 | The relation between baseline brain volumes and response to tDCS in individuals with Primary Progressive Aphasia. <i>Frontiers in Human Neuroscience</i> , 0, 12, .                                  | 2.0 | 0         |
| 48 | Electrical stimulation of the left IFG improves category fluency in primary progressive aphasia: far-transfer effects and their neural mechanisms. <i>Frontiers in Human Neuroscience</i> , 0, 13, . | 2.0 | 0         |
| 49 | Regularized regression on compositional trees with application to MRI analysis. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 0, , .                                | 1.0 | 0         |