Hongtu Zhu

List of Publications by Year
in descending order

243 papers	11,713 citations	41258 49 h-index	40881 93 g-index
255 all docs	255 docs citations	255 times ranked	16685 citing authors

#	Article	IF	Citations
1	Early brain development in infants at high risk for autism spectrum disorder. Nature, 2017, 542, 348-351.	13.7	808
2	The evolutionary history of 2,658 cancers. Nature, 2020, 578, 122-128.	13.7	690
3	Evidence on the emergence of the brain's default network from 2-week-old to 2-year-old healthy pediatric subjects. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6790-6795.	3.3	480
4	Tensor Regression with Applications in Neuroimaging Data Analysis. Journal of the American Statistical Association, 2013, 108, 540-552.	1.8	303
5	Characterizing genetic intra-tumor heterogeneity across 2,658 human cancer genomes. Cell, 2021, 184, 2239-2254.e39.	13.5	260
6	Exposure to severe urban air pollution influences cognitive outcomes, brain volume and systemic inflammation in clinically healthy children. Brain and Cognition, 2011, 77, 345-355.	0.8	256
7	Cortical thinning in persons at increased familial risk for major depression. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6273-6278.	3.3	243
8	Neuroinflammation, Hyperphosphorylated Tau, Diffuse Amyloid Plaques, and Down-Regulation of the Cellular Prion Protein in Air Pollution Exposed Children and Young Adults. Journal of Alzheimer's Disease, 2012, 28, 93-107.	1.2	234
9	The UNC/UMN Baby Connectome Project (BCP): An overview of the study design and protocol development. NeuroImage, 2019, 185, 891-905.	2.1	234
10	A developmental fMRI study of self-regulatory control. Human Brain Mapping, 2006, 27, 848-863.	1.9	231
11	Temporal and Spatial Evolution of Brain Network Topology during the First Two Years of Life. PLoS ONE, 2011, 6, e25278.	1.1	224
12	Neural systems subserving valence and arousal during the experience of induced emotions.. Emotion, 2010, 10, 377-389.	1.5	219
13	An fMRI Study of the Effects of Psychostimulants on Default-Mode Processing During Stroop Task Performance in Youths With ADHD. American Journal of Psychiatry, 2009, 166, 1286-1294.	4.0	214
14	Limits to anatomical accuracy of diffusion tractography using modern approaches. NeuroImage, 2019, 185, 1-11.	2.1	200
15	Genome-wide association analysis of 19,629 individuals identifies variants influencing regional brain volumes and refines their genetic co-architecture with cognitive and mental health traits. Nature Genetics, 2019, 51, 1637-1644.	9.4	186
16	The neurophysiological bases of emotion: An fMRI study of the affective circumplex using emotion€denoting words. Human Brain Mapping, 2009, 30, 883-895.	1.9	163
17	An affective circumplex model of neural systems subserving valence, arousal, and cognitive overlay during the appraisal of emotional faces. Neuropsychologia, 2008, 46, 2129-2139.	0.7	145
18	Differential Reconstitution of T Cell Subsets following Immunodepleting Treatment with Alemtuzumab (Anti-CD52 Monoclonal Antibody) in Patients with Relapsing€"Remitting Multiple Sclerosis. Journal of Immunology, 2013, 191, 5867-5874.	0.4	143

#	Article	IF	Citations
19	Morphological Abnormalities of the Thalamus in Youths With Attention Deficit Hyperactivity Disorder. American Journal of Psychiatry, 2010, 167, 397-408.	4.0	142
20	Common Variants in Psychiatric Risk Genes Predict Brain Structure at Birth. Cerebral Cortex, 2014, 24, 1230-1246.	1.6	125
21	Prediction of overall survival for patients with metastatic castration-resistant prostate cancer: development of a prognostic model through a crowdsourced challenge with open clinical trial data. Lancet Oncology, The, 2017, 18, 132-142.	5.1	124
22	A Developmental fMRI Study of Self-Regulatory Control in Tourette's Syndrome. American Journal of Psychiatry, 2007, 164, 955-966.	4.0	119
23	The impact of environmental metals in young urbanites' brains. Experimental and Toxicologic Pathology, 2013, 65, 503-511.	2.1	117
24	White matter abnormalities revealed by diffusion tensor imaging in non-demented and demented HIV+ patients. NeuroImage, 2009, 47, 1154-1162.	2.1	113
25	Common genetic variation influencing human white matter microstructure. Science, 2021, 372, .	6.0	106
26	Intersubject Variability of and Genetic Effects on the Brain's Functional Connectivity during Infancy. Journal of Neuroscience, 2014, 34, 11288-11296.	1.7	105
27	Fixed and Random Effects Selection in Mixed Effects Models. Biometrics, 2011, 67, 495-503.	0.8	103
28	Large-scale GWAS reveals genetic architecture of brain white matter microstructure and genetic overlap with cognitive and mental health traits (n=17,706). Molecular Psychiatry, 2021, 26, 3943-3955.	4.1	100
29	White Matter Hyperintensities, Systemic Inflammation, Brain Growth, and Cognitive Functions in Children Exposed to Air Pollution. Journal of Alzheimer's Disease, 2012, 31, 183-191.	1.2	95
30	Model Selection Criteria for Missing-Data Problems Using the EM Algorithm. Journal of the American Statistical Association, 2008, 103, 1648-1658.	1.8	93
31	Sex differences in grey matter atrophy patterns among AD and aMCI patients: Results from ADNI. NeuroImage, 2011, 56, 890-906.	2.1	86
32	Multivariate varying coefficient model for functional responses. Annals of Statistics, 2012, 40, .	1.4	80
33	Decreases in Short Term Memory, IQ, and Altered Brain Metabolic Ratios in Urban Apolipoprotein Îµ4 Children Exposed to Air Pollution. Journal of Alzheimer's Disease, 2015, 45, 757-770.	1.2	78
34	Neuropsychological Near Normality and Brain Structure Abnormality in Schizophrenia. American Journal of Psychiatry, 2009, 166, 189-195.	4.0	76
35	Crowdsourced estimation of cognitive decline and resilience in Alzheimer's disease. Alzheimer's and Dementia, 2016, 12, 645-653.	0.4	72
36	MULTIVARIATE VARYING COEFFICIENT MODEL FOR FUNCTIONAL RESPONSES. , 2012, 40, 2634-2666.		72

#	Article	IF	Citations
37	FADTTS: Functional analysis of diffusion tensor tract statistics. NeuroImage, 2011, 56, 1412-1425.	2.1	66
38	Mapping population-based structural connectomes. NeuroImage, 2018, 172, 130-145.	2.1	66
39	Spatially Varying Coefficient Model for Neuroimaging Data With Jump Discontinuities. Journal of the American Statistical Association, 2014, 109, 1084-1098.	1.8	65
40	Ride-Hailing Order Dispatching at DiDi via Reinforcement Learning. Interfaces, 2020, 50, 272-286.	1.6	62
41	Suggestion overrides the Stroop effect in highly hypnotizable individuals. Consciousness and Cognition, 2007, 16, 331-338.	0.8	61
42	Statistical Analysis of Diffusion Tensors in Diffusion-Weighted Magnetic Resonance Imaging Data. Journal of the American Statistical Association, 2007, 102, 1085-1102.	1.8	60
43	Multiscale Adaptive Regression Models for Neuroimaging Data. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2011, 73, 559-578.	1.1	59
44	Bayesian Generalized Low Rank Regression Models for Neuroimaging Phenotypes and Genetic Markers. Journal of the American Statistical Association, 2014, 109, 977-990.	1.8	59
45	Adolescent alcohol exposure decreases frontostriatal resting‐state functional connectivity in adulthood. Addiction Biology, 2018, 23, 810-823.	1.4	58
46	A slice of Ï€ : An exploratory neuroimaging study of digit encoding and retrieval in a superior memorist. Neurocase, 2009, 15, 361-372.	0.2	56
47	Tensor network factorizations: Relationships between brain structural connectomes and traits. NeuroImage, 2019, 197, 330-343.	2.1	55
48	ARFI Imaging for Noninvasive Material Characterization of Atherosclerosis Part II: Toward In Vivo Characterization. Ultrasound in Medicine and Biology, 2009, 35, 278-295.	0.7	54
49	UNC-Utah NA-MIC framework for DTI fiber tract analysis. Frontiers in Neuroinformatics, 2014, 7, 51.	1.3	54
50	Antenatal depression, treatment with selective serotonin reuptake inhibitors, and neonatal brain structure: A propensity-matched cohort study. Psychiatry Research - Neuroimaging, 2016, 253, 43-53.	0.9	54
51	Clinical application of SPHARM-PDM to quantify temporomandibular joint osteoarthritis. Computerized Medical Imaging and Graphics, 2011, 35, 345-352.	3.5	53
52	Cortical thickness and surface area in neonates at high risk for schizophrenia. Brain Structure and Function, 2016, 221, 447-461.	1.2	52
53	Generalized Scalar-on-Image Regression Models via Total Variation. Journal of the American Statistical Association, 2017, 112, 1156-1168.	1.8	52
54	Optimal passenger-seeking policies on E-hailing platforms using Markov decision process and imitation learning. Transportation Research Part C: Emerging Technologies, 2020, 111, 91-113.	3.9	52

#	Article	IF	Citations
55	TIMER: Tensor Image Morphing for Elastic Registration. NeuroImage, 2009, 47, 549-563.	2.1	51
56	Three-dimensional treatment outcomes in Class II patients treated with the Herbst appliance: A pilot study. American Journal of Orthodontics and Dentofacial Orthopedics, 2013, 144, 818-830.	0.8	51
57	Diffusion Tensor Imagingâ€"Based Characterization of Brain Neurodevelopment in Primates. Cerebral Cortex, 2013, 23, 36-48.	1.6	49
58	Defining the Ischemic Penumbra Using Magnetic Resonance Oxygen Metabolic Index. Stroke, 2015, 46, 982-988.	1.0	49
59	Radiomic analysis in prediction of Human Papilloma Virus status. Clinical and Translational Radiation Oncology, 2017, 7, 49-54.	0.9	49
60	The Role of Endogenous IFN-Î² in the Regulation of Th17 Responses in Patients with Relapsing-Remitting Multiple Sclerosis. Journal of Immunology, 2014, 192, 5610-5617.	0.4	48
61	Accuracy and Landmark Error Calculation Using Cone-Beam Computed Tomographyâ€"Generated Cephalograms. Angle Orthodontist, 2010, 80, 286-294.	1.1	47
62	Common and heritable components of white matter microstructure predict cognitive function at 1 and 2 y. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 148-153.	3.3	47
63	Characteristics of magnetic resonance imaging biomarkers in a natural history study of golden retriever muscular dystrophy. Neuromuscular Disorders, 2014, 24, 178-191.	0.3	46
64	Autologistic regression model for the distribution of vegetation. Journal of Agricultural, Biological, and Environmental Statistics, 2003, 8, 205-222.	0.7	45
65	Increased Number of Subcortical Hyperintensities on MRI in Children and Adolescents With Touretteâ€™s Syndrome, Obsessive-Compulsive Disorder, and Attention Deficit Hyperactivity Disorder. American Journal of Psychiatry, 2006, 163, 1106-1108.	4.0	44
66	Bayesian Case Influence Diagnostics for Survival Models. Biometrics, 2009, 65, 116-124.	0.8	44
67	Intrinsic Regression Models for Positive-Definite Matrices With Applications to Diffusion Tensor Imaging. Journal of the American Statistical Association, 2009, 104, 1203-1212.	1.8	44
68	Bayesian estimation of semiparametric nonlinear dynamic factor analysis models using the Dirichlet process prior. British Journal of Mathematical and Statistical Psychology, 2011, 64, 69-106.	1.0	44
69	Regression Models for Identifying Noise Sources in Magnetic Resonance Images. Journal of the American Statistical Association, 2009, 104, 623-637.	1.8	43
70	Exposure to Urban Air Pollution and Bone Health in Clinically Healthy Six-year-old Children. Arhiv Za Higijenu Rada I Toksikologiju, 2013, 64, 23-34.	0.4	43
71	Quantitative tract-based white matter heritability in twin neonates. NeuroImage, 2015, 111, 123-135.	2.1	43
72	A web-based system for neural network based classification in temporomandibular joint osteoarthritis. Computerized Medical Imaging and Graphics, 2018, 67, 45-54.	3.5	43

#	Article	IF	Citations
73	Genetic influences on neonatal cortical thickness and surface area. Human Brain Mapping, 2018, 39, 4998-5013.	1.9	43
74	FLCRM: Functional Linear Cox Regression Model. Biometrics, 2018, 74, 109-117.	0.8	42
75	A Statistical Analysis of Brain Morphology Using Wild Bootstrapping. IEEE Transactions on Medical Imaging, 2007, 26, 954-966.	5.4	39
76	FGWAS: Functional genome wide association analysis. NeuroImage, 2017, 159, 107-121.	2.1	39
77	Extrinsic Local Regression on Manifold-Valued Data. Journal of the American Statistical Association, 2017, 112, 1261-1273.	1.8	39
78	3<scp>D</scp> tract‐specific local and global analysis of white matter integrity in <scp>A</scp>lzheimer's disease. Human Brain Mapping, 2017, 38, 1191-1207.	1.9	39
79	Urban Air Pollution Targets the Dorsal Vagal Complex and Dark Chocolate Offers Neuroprotection. International Journal of Toxicology, 2010, 29, 604-615.	0.6	38
80	Outcome quantification using SPHARM-PDM toolbox in orthognathic surgery. International Journal of Computer Assisted Radiology and Surgery, 2011, 6, 617-626.	1.7	38
81	Bayesian influence analysis: a geometric approach. Biometrika, 2011, 98, 307-323.	1.3	38
82	Bayesian Lasso for Semiparametric Structural Equation Models. Biometrics, 2012, 68, 567-577.	0.8	38
83	FVGWAS: Fast voxelwise genome wide association analysis of large-scale imaging genetic data. NeuroImage, 2015, 118, 613-627.	2.1	38
84	Empirical likelihood for estimating equations with nonignorably missing data. Statistica Sinica, 2014, 24, 723-747.	0.2	38
85	Machine Learning Applications in Head and Neck Radiation Oncology: Lessons From Open-Source Radiomics Challenges. Frontiers in Oncology, 2018, 8, 294.	1.3	37
86	Common variants contribute to intrinsic human brain functional networks. Nature Genetics, 2022, 54, 508-517.	9.4	37
87	Perceptual-motor skill learning in Gilles de la Tourette syndromeEvidence for multiple procedural learning and memory systems. Neuropsychologia, 2005, 43, 1456-1465.	0.7	36
88	Heritability of Regional Brain Volumes in Large-Scale Neuroimaging and Genetic Studies. Cerebral Cortex, 2019, 29, 2904-2914.	1.6	36
89	The emergence of a functionally flexible brain during early infancy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23904-23913.	3.3	36
90	Local influence for generalized linear mixed models. Canadian Journal of Statistics, 2003, 31, 293-309.	0.6	35

#	ARTICLE	IF	CITATIONS
91	Use of shape correspondence analysis to quantify skeletal changes associated with bone-anchored Class III correction. Angle Orthodontist, 2014, 84, 329-336.	1.1	35
92	Cortisol Levels and Hippocampus Volumes in Healthy Preadolescent Children. Biological Psychiatry, 2006, 60, 856-861.	0.7	34
93	Structural equation modeling and principal component analysis of gray matter volumes in major depressive and bipolar disorders: Differences in latent volumetric structure. Psychiatry Research - Neuroimaging, 2010, 184, 177-185.	0.9	34
94	FRATS: Functional Regression Analysis of DTI Tract Statistics. IEEE Transactions on Medical Imaging, 2010, 29, 1039-1049.	5.4	33
95	Quantile regression for functional partially linear model in ultra-high dimensions. Computational Statistics and Data Analysis, 2019, 129, 135-147.	0.7	33
96	Multiscale adaptive generalized estimating equations for longitudinal neuroimaging data. NeuroImage, 2013, 72, 91-105.	2.1	32
97	VARIABLE SELECTION FOR REGRESSION MODELS WITH MISSING DATA. Statistica Sinica, 2010, 20, 149-165.	0.2	32
98	Estimation of tumor cell total mRNA expression in 15 cancer types predicts disease progression. Nature Biotechnology, 2022, 40, 1624-1633.	9.4	31
99	NBD delivery improves the disease phenotype of the golden retriever model of Duchenne muscular dystrophy. Skeletal Muscle, 2014, 4, 18.	1.9	30
100	A Functional Varying-Coefficient Single-Index Model for Functional Response Data. Journal of the American Statistical Association, 2017, 112, 1169-1181.	1.8	30
101	Maximum likelihood from spatial random effects models via the stochastic approximation expectation maximization algorithm. Statistics and Computing, 2007, 17, 163-177.	0.8	29
102	L2RM: Low-Rank Linear Regression Models for High-Dimensional Matrix Responses. Journal of the American Statistical Association, 2020, 115, 403-424.	1.8	29
103	The Bayesian covariance lasso. Statistics and Its Interface, 2013, 6, 243-259.	0.2	29
104	F-TIMER: Fast Tensor Image Morphing for Elastic Registration. IEEE Transactions on Medical Imaging, 2010, 29, 1192-1203.	5.4	28
105	Latent volumetric structure of the human brain: Exploratory factor analysis and structural equation modeling of gray matter volumes in healthy children and adults. Human Brain Mapping, 2008, 29, 1302-1312.	1.9	27
106	Flavonol-rich dark cocoa significantly decreases plasma endothelin-1 and improves cognition in urban children. Frontiers in Pharmacology, 2013, 4, 104.	1.6	27
107	Fitting Nonlinear Ordinary Differential Equation Models with Random Effects and Unknown Initial Conditions Using the Stochastic Approximation Expectationâ€"Maximization (SAEM) Algorithm. Psychometrika, 2016, 81, 102-134.	1.2	27
108	Hidden Markov Latent Variable Models with Multivariate Longitudinal Data. Biometrics, 2017, 73, 313-323.	0.8	27

#	Article	IF	Citations
109	A review of statistical methods in imaging genetics. Canadian Journal of Statistics, 2019, 47, 108-131.	0.6	27
110	Tree-based disease classification using protein data. Proteomics, 2003, 3, 1673-1677.	1.3	26
111	Single‐nucleotide polymorphisms are associated with cognitive decline at Alzheimer's disease conversion within mild cognitive impairment patients. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2017, 8, 86-95.	1.2	26
112	Genome‐wide mediation analysis of psychiatric and cognitive traits through imaging phenotypes. Human Brain Mapping, 2017, 38, 4088-4097.	1.9	26
113	Real-world ride-hailing vehicle repositioning using deep reinforcement learning. Transportation Research Part C: Emerging Technologies, 2021, 130, 103289.	3.9	26
114	Bayesian Influence Measures for Joint Models for Longitudinal and Survival Data. Biometrics, 2012, 68, 954-964.	0.8	25
115	STGP: Spatio-temporal Gaussian process models for longitudinal neuroimaging data. NeuroImage, 2016, 134, 550-562.	2.1	25
116	Transcriptome-wide association analysis of brain structures yields insights into pleiotropy with complex neuropsychiatric traits. Nature Communications, 2021, 12, 2878.	5.8	25
117	BFLCRM: A Bayesian functional linear Cox regression model for predicting time to conversion to Alzheimer's disease. Annals of Applied Statistics, 2015, 9, 2153-2178.	0.5	24
118	Sensitivity Analysis of Deep Neural Networks. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 4943-4950.	3.6	24
119	ARFI Ultrasound for *In Vivo* Hemostasis Assessment Postcardiac Catheterization, Part II: Pilot Clinical Results. Ultrasonic Imaging, 2009, 31, 159-171.	1.4	23
120	Variable Selection in the Cox Regression Model with Covariates Missing at Random. Biometrics, 2010, 66, 97-104.	0.8	23
121	Perturbation and scaled Cook's distance. Annals of Statistics, 2012, 40, 785-811.	1.4	23
122	Localized differences in caudate and hippocampal shape are associated with schizophrenia but not antipsychotic type. Psychiatry Research - Neuroimaging, 2013, 211, 1-10.	0.9	23
123	Mapping the Genetic Variation of Regional Brain Volumes as Explained by All Common SNPs from the ADNI Study. PLoS ONE, 2013, 8, e71723.	1.1	23
124	FMEM: Functional mixed effects modeling for the analysis of longitudinal white matter Tract data. NeuroImage, 2014, 84, 753-764.	2.1	23
125	D-CCA: A Decomposition-Based Canonical Correlation Analysis for High-Dimensional Datasets. Journal of the American Statistical Association, 2020, 115, 292-306.	1.8	22
126	Stability analysis of CT radiomic features with respect to segmentation variation in oropharyngeal cancer. Clinical and Translational Radiation Oncology, 2020, 21, 11-18.	0.9	22

#	Article	IF	Citations
127	Bayesian Generalized Low Rank Regression Models for Neuroimaging Phenotypes and Genetic Markers. Journal of the American Statistical Association, 2014, 109, 997-990.	1.8	22
128	Generalized score test of homogeneity for mixed effects models. Annals of Statistics, 2006, 34, 1545.	1.4	21
129	Local Influence for Generalized Linear Models with Missing Covariates. Biometrics, 2009, 65, 1164-1174.	0.8	21
130	The statistics and mathematics of high dimension low sample size asymptotics. Statistica Sinica, 2017, 26, 1747-1770.	0.2	21
131	Multiscale Adaptive Marginal Analysis of Longitudinal Neuroimaging Data with Time–Varying Covariates. Biometrics, 2012, 68, 1083-1092.	0.8	20
132	Predicting Alzheimer's Disease Using Combined Imaging-Whole Genome SNP Data. Journal of Alzheimer's Disease, 2015, 46, 695-702.	1.2	20
133	The joint effect of aging and HIV infection on microstructure of white matter bundles. Human Brain Mapping, 2019, 40, 4370-4380.	1.9	20
134	A unified optimization approach for diffusion tensor imaging technique. NeuroImage, 2009, 44, 729-741.	2.1	19
135	SGPP: spatial Gaussian predictive process models for neuroimaging data. NeuroImage, 2014, 89, 70-80.	2.1	19
136	Antral atrophy, intestinal metaplasia, and preneoplastic markers in Mexican children with Helicobacter pylori–positive and Helicobacter pylori–negative gastritis. Annals of Diagnostic Pathology, 2014, 18, 129-135.	0.6	19
137	Multiple SNP Set Analysis for Genome–Wide Association Studies Through Bayesian Latent Variable Selection. Genetic Epidemiology, 2015, 39, 664-677.	0.6	19
138	Bayesian longitudinal low-rank regression models for imaging genetic data from longitudinal studies. NeuroImage, 2017, 149, 305-322.	2.1	19
139	Disentangling the effects of early caregiving experience and heritable factors on brain white matter development in rhesus monkeys. NeuroImage, 2019, 197, 625-642.	2.1	19
140	Ferritin levels and their association with regional brain volumes in Tourette's syndrome. American Journal of Psychiatry, 2006, 163, 1264-72.	4.0	19
141	Nucleoside Diphosphate Kinase-3 (<i>NME3</i>) Enhances TLR5-Induced NFÎ°B Activation. Molecular Cancer Research, 2018, 16, 986-999.	1.5	18
142	Longitudinal regression analysis of spatial–temporal growth patterns of geometrical diffusion measures in early postnatal brain development with diffusion tensor imaging. NeuroImage, 2011, 58, 993-1005.	2.1	17
143	Intra-city Differences in Cardiac Expression of Inflammatory Genes and Inflammasomes in Young Urbanites: A Pilot Study. Journal of Toxicologic Pathology, 2012, 25, 163-173.	0.3	17
144	Bayesian hidden Markov models for delineating the pathology of Alzheimer's disease. Statistical Methods in Medical Research, 2019, 28, 2112-2124.	0.7	17

#	Article	IF	Citations
145	Clinically Relevant Reperfusion in Acute Ischemic Stroke: MTT Performs Better than Tmax and TTP. Translational Stroke Research, 2014, 5, 415-421.	2.3	16
146	Reinforced Angle-Based Multicategory Support Vector Machines. Journal of Computational and Graphical Statistics, 2016, 25, 806-825.	0.9	16
147	A Latent Variable Model of Segregation Analysis for Ordinal Traits. Journal of the American Statistical Association, 2003, 98, 1023-1034.	1.8	15
148	Projection Regression Models for Multivariate Imaging Phenotype. Genetic Epidemiology, 2012, 36, 631-641.	0.6	15
149	TwinMARM: Two-Stage Multiscale Adaptive Regression Methods for Twin Neuroimaging Data. IEEE Transactions on Medical Imaging, 2012, 31, 1100-1112.	5.4	15
150	Environmental and Genetic Contributors to Salivary Testosterone Levels in Infants. Frontiers in Endocrinology, 2014, 5, 187.	1.5	15
151	Clustering High-Dimensional Landmark-Based Two-Dimensional Shape Data. Journal of the American Statistical Association, 2015, 110, 946-961.	1.8	15
152	Diagnostic Measures for Generalized Linear Models with Missing Covariates. Scandinavian Journal of Statistics, 2009, 36, 686-712.	0.9	14
153	Spatially Weighted Principal Component Analysis for Imaging Classification. Journal of Computational and Graphical Statistics, 2015, 24, 274-296.	0.9	14
154	Groupwise Envelope Models for Imaging Genetic Analysis. Biometrics, 2017, 73, 1243-1253.	0.8	14
155	Bayesian Scalar on Image Regression With Nonignorable Nonresponse. Journal of the American Statistical Association, 2020, 115, 1574-1597.	1.8	14
156	ARFI Ultrasound Monitoring of Hemorrhage and Hemostasis InÂVivo in Canine Von Willebrand Disease and Hemophilia. Ultrasound in Medicine and Biology, 2011, 37, 2126-2132.	0.7	13
157	Early Changes of Tissue Perfusion After Tissue Plasminogen Activator in Hyperacute Ischemic Stroke. Stroke, 2011, 42, 65-72.	1.0	13
158	Bayesian analysis of ambulatory blood pressure dynamics with application to irregularly spaced sparse data. Annals of Applied Statistics, 2015, 9, 1601-1620.	0.5	13
159	Single-Index Varying Coefficient Model for Functional Responses. Biometrics, 2016, 72, 1275-1284.	0.8	13
160	A SPATIAL SCAN STATISTIC FOR COMPOUND POISSON DATA, USING NEGATIVE BINOMIAL DISTRIBUTION AND ACCOUNTING FOR POPULATION STRATIFICATION. Statistica Sinica, 2015, 25, 295-312.	0.2	13
161	A statistical framework for the classification of tensor morphologies in diffusion tensor images. Magnetic Resonance Imaging, 2006, 24, 569-582.	1.0	12
162	Bayesian local influence for survival models. Lifetime Data Analysis, 2011, 17, 43-70.	0.4	12

#	Article	IF	Citations
163	Diseased Region Detection of Longitudinal Knee Magnetic Resonance Imaging Data. IEEE Transactions on Medical Imaging, 2015, 34, 1914-1927.	5.4	12
164	TPRM: Tensor partition regression models with applications in imaging biomarker detection. Annals of Applied Statistics, 2018, 12, 1422-1450.	0.5	12
165	A generalized fluid model of ride-hailing systems. Transportation Research Part B: Methodological, 2021, 150, 587-605.	2.8	12
166	Multi-party ride-matching problem in the ride-hailing market with bundled option services. Transportation Research Part C: Emerging Technologies, 2021, 131, 103287.	3.9	12
167	Asymptotics for estimation and testing procedures under loss of identifiability. Journal of Multivariate Analysis, 2006, 97, 19-45.	0.5	11
168	Reperfusion Beyond 6 Hours Reduces Infarct Probability in Moderately Ischemic Brain Tissue. Stroke, 2016, 47, 99-105.	1.0	11
169	Test for high-dimensional correlation matrices. Annals of Statistics, 2019, 47, 2887-2921.	1.4	11
170	Bayesian adaptive group lasso with semiparametric hidden Markov models. Statistics in Medicine, 2019, 38, 1634-1650.	0.8	11
171	(TS)2WM: Tumor Segmentation and Tract Statistics for Assessing White Matter Integrity with Applications to Glioblastoma Patients. NeuroImage, 2020, 223, 117368.	2.1	11
172	A Note on the Validity of Statistical Bootstrapping for Estimating the Uncertainty of Tensor Parameters in Diffusion Tensor Images. IEEE Transactions on Medical Imaging, 2008, 27, 1506-1514.	5.4	10
173	SPReM: Sparse Projection Regression Model For High-Dimensional Linear Regression. Journal of the American Statistical Association, 2015, 110, 289-302.	1.8	10
174	Efficient Robust Estimation for Linear Models with Missing Response at Random. Scandinavian Journal of Statistics, 2018, 45, 366-381.	0.9	10
175	Structured Genome-Wide Association Studies with Bayesian Hierarchical Variable Selection. Genetics, 2019, 212, 397-415.	1.2	10
176	Quantitative tract‐based white matter heritability in 1‐and 2‐year‐old twins. Human Brain Mapping, 2019, 40, 1164-1173.	1.9	10
177	Robust estimation and design procedures for the random effects model. Canadian Journal of Statistics, 2003, 31, 99-110.	0.6	9
178	Adjusted Exponentially Tilted Likelihood with Applications to Brain Morphology. Biometrics, 2009, 65, 919-927.	0.8	9
179	Bayesian Case Influence Measures for Statistical Models With Missing Data. Journal of Computational and Graphical Statistics, 2012, 21, 253-271.	0.9	9
180	Diagnostic measures for the Cox regression model with missing covariates. Biometrika, 2015, 102, 907-923.	1.3	9

#	Article	IF	Citations
181	How Chronic Self-Regulatory Stress, Poor Anger Regulation, and Momentary Affect Undermine Treatment for Alcohol Use Disorder: Integrating Social Action Theory with the Dynamic Model of Relapse. Journal of Social and Clinical Psychology, 2017, 36, 238-263.	0.2	9
182	Bayesian Sensitivity Analysis of a Nonlinear Dynamic Factor Analysis Model with Nonparametric Prior and Possible Nonignorable Missingness. Psychometrika, 2017, 82, 875-903.	1.2	9
183	High-Dimensional Spatial Quantile Function-on-Scalar Regression. Journal of the American Statistical Association, 2022, 117, 1563-1578.	1.8	9
184	Multivariate Longitudinal Shape Analysis of Human Lateral Ventricles during the First Twenty-Four Months of Life. PLoS ONE, 2014, 9, e108306.	1.1	9
185	FMEM: Functional Mixed Effects Models for Longitudinal Functional Responses. Statistica Sinica, 2019, 29, 2007-2033.	0.2	9
186	Varying coefficient model for modeling diffusion tensors along white matter tracts. Annals of Applied Statistics, 2013, 7, 102-125.	0.5	8
187	Influence analysis for skew-normal semiparametric joint models of multivariate longitudinal and multivariate survival data. Statistics in Medicine, 2017, 36, 1476-1490.	0.8	8
188	A predictive model of radiation-related fibrosis based on the radiomic features of magnetic resonance imaging and computed tomography. Translational Cancer Research, 2020, 9, 4726-4738.	0.4	8
189	ACE of space: estimating genetic components of high-dimensional imaging data. Biostatistics, 2021, 22, 131-147.	0.9	8
190	Bayesian latent factor on image regression with nonignorable missing data. Statistics in Medicine, 2021, 40, 920-932.	0.8	8
191	Bayesian sensitivity analysis of statistical models with missing data. Statistica Sinica, 2014, 24, 871-896.	0.2	8
192	Two-stage empirical likelihood for longitudinal neuroimaging data. Annals of Applied Statistics, 2011, 5, 1132-1158.	0.5	7
193	MWPCR: Multiscale Weighted Principal Component Regression for High-Dimensional Prediction. Journal of the American Statistical Association, 2017, 112, 1009-1021.	1.8	7
194	Genome-wide association analysis of secondary imaging phenotypes from the Alzheimer's disease neuroimaging initiative study. NeuroImage, 2017, 146, 983-1002.	2.1	7
195	Regression Analysis of Asynchronous Longitudinal Functional and Scalar Data. Journal of the American Statistical Association, 2022, 117, 1228-1242.	1.8	7
196	Multivariate Varying Coefficient Models for DTI Tract Statistics. Lecture Notes in Computer Science, 2010, 13, 690-697.	1.0	7
197	DADP: Dynamic abnormality detection and progression for longitudinal knee magnetic resonance images from the Osteoarthritis Initiative. Medical Image Analysis, 2022, 77, 102343.	7.0	7
198	Bayesian Spatial Transformation Models with Applications in Neuroimaging Data. Biometrics, 2013, 69, 1074-1083.	0.8	6

#	Article	IF	Citations
199	Functional-Mixed Effects Models for Candidate Genetic Mapping in Imaging Genetic Studies. Genetic Epidemiology, 2014, 38, 680-691.	0.6	6
200	Hard thresholding regression. Scandinavian Journal of Statistics, 2019, 46, 314-328.	0.9	6
201	Statistical disease mapping for heterogeneous neuroimaging studies. Canadian Journal of Statistics, 2021, 49, 10-34.	0.6	6
202	Autologistic regression model for the distribution of vegetation. , 2003, 8, 205.		6
203	Mapping the Genetic-Imaging-Clinical Pathway with Applications to Alzheimer's Disease. Journal of the American Statistical Association, 2022, 117, 1656-1668.	1.8	6
204	Identification of Linear Directions in Multivariate Adaptive Spline Models. Journal of the American Statistical Association, 2003, 98, 369-376.	1.8	5
205	Intrinsic Regression Models for Medial Representation of Subcortical Structures. Journal of the American Statistical Association, 2012, 107, 12-23.	1.8	5
206	More insights into early brain development through statistical analyses of eigen-structural elements of diffusion tensor imaging using multivariate adaptive regression splines. Brain Structure and Function, 2014, 219, 551-569.	1.2	5
207	Double Penalized H-Likelihood for Selection of Fixed and Random Effects in Mixed Effects Models. Statistics in Biosciences, 2015, 7, 108-128.	0.6	5
208	MILFM: Multiple Index Latent Factor Model Based on High-Dimensional Features. Biometrics, 2018, 74, 834-844.	0.8	5
209	LCN: a random graph mixture model for community detection in functional brain networks. Statistics and Its Interface, 2017, 10, 369-378.	0.2	5
210	A Longitudinal Functional Analysis Framework for Analysis of White Matter Tract Statistics. Lecture Notes in Computer Science, 2013, 23, 220-231.	1.0	5
211	Multivariate Analysis of Clinical, Demographic, and Laboratory Data for Classification of Disorders of Calcium Homeostasis. American Journal of Clinical Pathology, 2011, 135, 100-107.	0.4	4
212	Multiscale adaptive smoothing models for the hemodynamic response function in fMRI. Annals of Applied Statistics, 2013, 7, 904-935.	0.5	4
213	SMAC: Spatial multi-category angle-based classifier for high-dimensional neuroimaging data. NeuroImage, 2018, 175, 230-245.	2.1	4
214	Development of a one-day driving cycle for electric ride-hailing vehicles. Transportation Research, Part D: Transport and Environment, 2020, 89, 102597.	3.2	4
215	Bayesian sparse heritability analysis with high-dimensional neuroimaging phenotypes. Biostatistics, 2022, 23, 467-484.	0.9	4
216	Partial least squares for functional joint models with applications to the Alzheimer's disease neuroimaging initiative study. Biometrics, 2020, 76, 1109-1119.	0.8	4

#	Article	IF	Citations
217	On Genetic Correlation Estimation With Summary Statistics From Genome-Wide Association Studies. Journal of the American Statistical Association, 2022, 117, 1-11.	1.8	4
218	Clusterwise functional linear regression models. Computational Statistics and Data Analysis, 2021, 158, 107192.	0.7	4
219	Estimation for the bivariate quantile varying coefficient model with application to diffusion tensor imaging data analysis. Biostatistics, 2023, 24, 465-480.	0.9	4
220	Functional Linear Regression Model for Nonignorable Missing Scalar Responses. Statistica Sinica, 2018, 28, 1867-1886.	0.2	4
221	Statistical Modelling of Brain Morphological Measures Within Family Pedigrees. Statistica Sinica, 2008, 18, 1569-1591.	0.2	4
222	Comment. Technometrics, 2012, 54, 129-133.	1.3	3
223	Semiparametric Bayesian local functional models for diffusion tensor tract statistics. NeuroImage, 2012, 63, 460-474.	2.1	3
224	UNC-Utah NA-MIC DTI framework: atlas based fiber tract analysis with application to a study of nicotine smoking addiction. Proceedings of SPIE, 2013, 8669, .	0.8	3
225	MFPCA: Multiscale Functional Principal Component Analysis. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 4320-4327.	3.6	3
226	Weighted functional linear Cox regression model. Statistical Methods in Medical Research, 2021, 30, 1917-1931.	0.7	3
227	Approximating the Geisser-Greenhouse sphericity estimator and its applications to diffusion tensor imaging. Statistics and Its Interface, 2010, 3, 81-90.	0.2	3
228	Bayesian case-deletion model complexity and information criterion. Statistics and Its Interface, 2014, 7, 531-542.	0.2	3
229	Adolescent Fluid Intelligence Prediction from Regional Brain Volumes and Cortical Curvatures Using BlockPC-XGBoost. Lecture Notes in Computer Science, 2019, , 167-175.	1.0	3
230	Cook's Distance Measures for Varying Coefficient Models With Functional Responses. Technometrics, 2015, 57, 268-280.	1.3	2
231	Note on bias from averaging repeated measurements in heritability studies. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E122.	3.3	2
232	Editorial for the Special Issue Challenges in Computational Neuroscience. Statistics in Biosciences, 2019, 11, 1-2.	0.6	2
233	Analysis of secondary phenotypes in multigroup association studies. Biometrics, 2020, 76, 606-618.	0.8	2
234	Semiparametric Bayes Local Additive Models for Longitudinal Data. Statistics in Biosciences, 2015, 7, 90-107.	0.6	1

#	Article	IF	Citations
235	SR-HARDI: Spatially Regularizing High Angular Resolution Diffusion Imaging. Journal of Computational and Graphical Statistics, 2016, 25, 1195-1211.	0.9	1
236	Auto-multicategorical regression model for the distribution of vegetation. Statistics and Its Interface, 2008, 1, 63-70.	0.2	1
237	HFPRM: Hierarchical Functional Principal Regression Model for Diffusion Tensor Image Bundle Statistics. Lecture Notes in Computer Science, 2017, 10265, 478-489.	1.0	1
238	Cross-Trait Prediction Accuracy of Summary Statistics in Genome-Wide Association Studies. Biometrics, 2023, 79, 841-853.	0.8	1
239	Intrinsic partial linear models for manifold-valued data. Information Processing and Management, 2022, 59, 102954.	5.4	1
240	Rejoinder: Bayesian local influence for survival models. Lifetime Data Analysis, 2011, 17, 76-79.	0.4	0
241	A Powerful Global Test Statistic for Functional Statistical Inference. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 5765-5772.	3.6	0
242	Nonparametric matrix regression function estimation over symmetric positive definite matrices. Journal of the Korean Statistical Society, 2021, 50, 795-817.	0.3	0
243	Penalized logistic regression using functional connectivity as covariates with an application to mild cognitive impairment. Communications for Statistical Applications and Methods, 2020, 27, 603-624.	0.1	0