Hongtu Zhu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5641064/publications.pdf

Version: 2024-02-01

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	Estimation for the bivariate quantile varying coefficient model with application to diffusion tensor imaging data analysis. Biostatistics, 2023, 24, 465-480.	0.9	4
2	Cross-Trait Prediction Accuracy of Summary Statistics in Genome-Wide Association Studies. Biometrics, 2023, 79, 841-853.	0.8	1
3	Bayesian sparse heritability analysis with high-dimensional neuroimaging phenotypes. Biostatistics, 2022, 23, 467-484.	0.9	4
4	Regression Analysis of Asynchronous Longitudinal Functional and Scalar Data. Journal of the American Statistical Association, 2022, 117, 1228-1242.	1.8	7
5	High-Dimensional Spatial Quantile Function-on-Scalar Regression. Journal of the American Statistical Association, 2022, 117, 1563-1578.	1.8	9
6	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
7	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
8	Common variants contribute to intrinsic human brain functional networks. Nature Genetics, 2022, 54, 508-517.	9.4	37
9	Intrinsic partial linear models for manifold-valued data. Information Processing and Management, 2022, 59, 102954.	5.4	1
10	Mapping the Genetic-Imaging-Clinical Pathway with Applications to Alzheimerâ€™s Disease. Journal of the American Statistical Association, 2022, 117, 1656-1668.	1.8	6
11	Estimation of tumor cell total mRNA expression in 15 cancer types predicts disease progression. Nature Biotechnology, 2022, 40, 1624-1633.	9.4	31
12	Large-scale GWAS reveals genetic architecture of brain white matter microstructure and genetic overlap with cognitive and mental health traits (nâ€‰=â€‰17,706). Molecular Psychiatry, 2021, 26, 3943-3955.	4.1	100
13	ACE of space: estimating genetic components of high-dimensional imaging data. Biostatistics, 2021, 22, 131-147.	0.9	8
14	Nonparametric matrix regression function estimation over symmetric positive definite matrices. Journal of the Korean Statistical Society, 2021, 50, 795-817.	0.3	0
15	Bayesian latent factor on image regression with nonignorable missing data. Statistics in Medicine, 2021, 40, 920-932.	0.8	8
16	Statistical disease mapping for heterogeneous neuroimaging studies. Canadian Journal of Statistics, 2021, 49, 10-34.	0.6	6
17	Characterizing genetic intra-tumor heterogeneity across 2,658 human cancer genomes. Cell, 2021, 184, 2239-2254.e39.	13.5	260
18	Transcriptome-wide association analysis of brain structures yields insights into pleiotropy with complex neuropsychiatric traits. Nature Communications, 2021, 12, 2878.	5.8	25

#	Article	IF	Citations
19	Clusterwise functional linear regression models. Computational Statistics and Data Analysis, 2021, 158, 107192.	0.7	4
20	Common genetic variation influencing human white matter microstructure. Science, 2021, 372, .	6.0	106
21	Weighted functional linear Cox regression model. Statistical Methods in Medical Research, 2021, 30, 1917-1931.	0.7	3
22	A generalized fluid model of ride-hailing systems. Transportation Research Part B: Methodological, 2021, 150, 587-605.	2.8	12
23	Real-world ride-hailing vehicle repositioning using deep reinforcement learning. Transportation Research Part C: Emerging Technologies, 2021, 130, 103289.	3.9	26
24	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
25	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
26	L2RM: Low-Rank Linear Regression Models for High-Dimensional Matrix Responses. Journal of the American Statistical Association, 2020, 115, 403-424.	1.8	29
27	Analysis of secondary phenotypes in multigroup association studies. Biometrics, 2020, 76, 606-618.	0.8	2
28	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
29	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
30	Bayesian Scalar on Image Regression With Nonignorable Nonresponse. Journal of the American Statistical Association, 2020, 115, 1574-1597.	1.8	14
31	Ride-Hailing Order Dispatching at DiDi via Reinforcement Learning. Interfaces, 2020, 50, 272-286.	1.6	62
32	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
33	(TS)2WM: Tumor Segmentation and Tract Statistics for Assessing White Matter Integrity with Applications to Glioblastoma Patients. NeuroImage, 2020, 223, 117368.	2.1	11
34	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
35	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
36	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
37	The evolutionary history of 2,658 cancers. Nature, 2020, 578, 122-128.	13.7	690
38	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
39	Quantile regression for functional partially linear model in ultra-high dimensions. Computational Statistics and Data Analysis, 2019, 129, 135-147.	0.7	33
40	Heritability of Regional Brain Volumes in Large-Scale Neuroimaging and Genetic Studies. Cerebral Cortex, 2019, 29, 2904-2914.	1.6	36
41	Test for high-dimensional correlation matrices. Annals of Statistics, 2019, 47, 2887-2921.	1.4	11
42	The joint effect of aging and HIV infection on microstructure of white matter bundles. Human Brain Mapping, 2019, 40, 4370-4380.	1.9	20
43	MFPCA: Multiscale Functional Principal Component Analysis. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 4320-4327.	3.6	3
44	Sensitivity Analysis of Deep Neural Networks. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 4943-4950.	3.6	24
45	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
46	Structured Genome-Wide Association Studies with Bayesian Hierarchical Variable Selection. Genetics, 2019, 212, 397-415.	1.2	10
47	Editorial for the Special Issue Challenges in Computational Neuroscience. Statistics in Biosciences, 2019, 11, 1-2.	0.6	2
48	Tensor network factorizations: Relationships between brain structural connectomes and traits. NeuroImage, 2019, 197, 330-343.	2.1	55
49	A review of statistical methods in imaging genetics. Canadian Journal of Statistics, 2019, 47, 108-131.	0.6	27
50	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
51	A Powerful Global Test Statistic for Functional Statistical Inference. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 5765-5772.	3.6	0
52	Bayesian adaptive group lasso with semiparametric hidden Markov models. Statistics in Medicine, 2019, 38, 1634-1650.	0.8	11
53	Quantitative tractâ€based white matter heritability in 1â€and 2â€yearâ€old twins. Human Brain Mapping, 2019, 40, 1164-1173.	1.9	10
54	Limits to anatomical accuracy of diffusion tractography using modern approaches. NeuroImage, 2019, 185, 1-11.	2.1	200

#	Article	IF	Citations
55	Hard thresholding regression. Scandinavian Journal of Statistics, 2019, 46, 314-328.	0.9	6
56	The UNC/UMN Baby Connectome Project (BCP): An overview of the study design and protocol development. NeuroImage, 2019, 185, 891-905.	2.1	234
57	Bayesian hidden Markov models for delineating the pathology of Alzheimerâ€™s disease. Statistical Methods in Medical Research, 2019, 28, 2112-2124.	0.7	17
58	FMEM: Functional Mixed Effects Models for Longitudinal Functional Responses. Statistica Sinica, 2019, 29, 2007-2033.	0.2	9
59	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
60	MILFM: Multiple Index Latent Factor Model Based on High-Dimensional Features. Biometrics, 2018, 74, 834-844.	0.8	5
61	Mapping population-based structural connectomes. NeuroImage, 2018, 172, 130-145.	2.1	66
62	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
63	SMAC: Spatial multi-category angle-based classifier for high-dimensional neuroimaging data. NeuroImage, 2018, 175, 230-245.	2.1	4
64	Nucleoside Diphosphate Kinase-3 (NME3) Enhances TLR5-Induced NFÎB Activation. Molecular Cancer Research, 2018, 16, 986-999.	1.5	18
65	Adolescent alcohol exposure decreases frontostriatal restingâ€state functional connectivity in adulthood. Addiction Biology, 2018, 23, 810-823.	1.4	58
66	FLCRM: Functional Linear Cox Regression Model. Biometrics, 2018, 74, 109-117.	0.8	42
67	Efficient Robust Estimation for Linear Models with Missing Response at Random. Scandinavian Journal of Statistics, 2018, 45, 366-381.	0.9	10
68	TPRM: Tensor partition regression models with applications in imaging biomarker detection. Annals of Applied Statistics, 2018, 12, 1422-1450.	0.5	12
69	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
70	Genetic influences on neonatal cortical thickness and surface area. Human Brain Mapping, 2018, 39, 4998-5013.	1.9	43
71	Machine Learning Applications in Head and Neck Radiation Oncology: Lessons From Open-Source Radiomics Challenges. Frontiers in Oncology, 2018, 8, 294.	1.3	37
72	Functional Linear Regression Model for Nonignorable Missing Scalar Responses. Statistica Sinica, 2018, 28, 1867-1886.	0.2	4

#	Article	IF	Citations
73	A Functional Varying-Coefficient Single-Index Model for Functional Response Data. Journal of the American Statistical Association, 2017, 112, 1169-1181.	1.8	30
74	Generalized Scalar-on-Image Regression Models via Total Variation. Journal of the American Statistical Association, 2017, 112, 1156-1168.	1.8	52
75	Hidden Markov Latent Variable Models with Multivariate Longitudinal Data. Biometrics, 2017, 73, 313-323.	0.8	27
76	Influence analysis for skewâ€normal semiparametric joint models of multivariate longitudinal and multivariate survival data. Statistics in Medicine, 2017, 36, 1476-1490.	0.8	8
77	Bayesian longitudinal low-rank regression models for imaging genetic data from longitudinal studies. NeuroImage, 2017, 149, 305-322.	2.1	19
78	Early brain development in infants at high risk for autism spectrum disorder. Nature, 2017, 542, 348-351.	13.7	808
79	Singleâ€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
80	Genomeâ€wide mediation analysis of psychiatric and cognitive traits through imaging phenotypes. Human Brain Mapping, 2017, 38, 4088-4097.	1.9	26
81	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
82	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
83	MWPCR: Multiscale Weighted Principal Component Regression for High-Dimensional Prediction. Journal of the American Statistical Association, 2017, 112, 1009-1021.	1.8	7
84	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
85	FGWAS: Functional genome wide association analysis. NeuroImage, 2017, 159, 107-121.	2.1	39
86	Groupwise Envelope Models for Imaging Genetic Analysis. Biometrics, 2017, 73, 1243-1253.	0.8	14
87	Radiomic analysis in prediction of Human Papilloma Virus status. Clinical and Translational Radiation Oncology, 2017, 7, 49-54.	0.9	49
88	Extrinsic Local Regression on Manifold-Valued Data. Journal of the American Statistical Association, 2017, 112, 1261-1273.	1.8	39
89	Genome-wide association analysis of secondary imaging phenotypes from the Alzheimer's disease neuroimaging initiative study. NeuroImage, 2017, 146, 983-1002.	2.1	7
90	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

#	Article	IF	Citations
91	3<scp>D</scp> tractâ€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
92	The statistics and mathematics of high dimension low sample size asymptotics. Statistica Sinica, 2017, 26, 1747-1770.	0.2	21
93	LCN: a random graph mixture model for community detection in functional brain networks. Statistics and Its Interface, 2017, 10, 369-378.	0.2	5
94	HFPRM: Hierarchical Functional Principal Regression Model for Diffusion Tensor Image Bundle Statistics. Lecture Notes in Computer Science, 2017, 10265, 478-489.	1.0	1
95	Cortical thickness and surface area in neonates at high risk for schizophrenia. Brain Structure and Function, 2016, 221, 447-461.	1.2	52
96	Single-Index Varying Coefficient Model for Functional Responses. Biometrics, 2016, 72, 1275-1284.	0.8	13
97	Crowdsourced estimation of cognitive decline and resilience in Alzheimer's disease. Alzheimer's and Dementia, 2016, 12, 645-653.	0.4	72
98	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
99	STGP: Spatio-temporal Gaussian process models for longitudinal neuroimaging data. NeuroImage, 2016, 134, 550-562.	2.1	25
100	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
101	SR-HARDI: Spatially Regularizing High Angular Resolution Diffusion Imaging. Journal of Computational and Graphical Statistics, 2016, 25, 1195-1211.	0.9	1
102	Reperfusion Beyond 6 Hours Reduces Infarct Probability in Moderately Ischemic Brain Tissue. Stroke, 2016, 47, 99-105.	1.0	11
103	Reinforced Angle-Based Multicategory Support Vector Machines. Journal of Computational and Graphical Statistics, 2016, 25, 806-825.	0.9	16
104	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
105	BFLCRM: A Bayesian functional linear Cox regression model for predicting time to conversion to Alzheimerâ€™s disease. Annals of Applied Statistics, 2015, 9, 2153-2178.	0.5	24
106	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
107	Multiple SNP Set Analysis for Genomeâ€Wide Association Studies Through Bayesian Latent Variable Selection. Genetic Epidemiology, 2015, 39, 664-677.	0.6	19
108	Predicting Alzheimerâ€™s Disease Using Combined Imaging-Whole Genome SNP Data. Journal of Alzheimer's Disease, 2015, 46, 695-702.	1.2	20

#	Article	IF	Citations
109	Clustering High-Dimensional Landmark-Based Two-Dimensional Shape Data. Journal of the American Statistical Association, 2015, 110, 946-961.	1.8	15
110	Defining the Ischemic Penumbra Using Magnetic Resonance Oxygen Metabolic Index. Stroke, 2015, 46, 982-988.	1.0	49
111	Cookâ€™s Distance Measures for Varying Coefficient Models With Functional Responses. Technometrics, 2015, 57, 268-280.	1.3	2
112	Diseased Region Detection of Longitudinal Knee Magnetic Resonance Imaging Data. IEEE Transactions on Medical Imaging, 2015, 34, 1914-1927.	5.4	12
113	SPReM: Sparse Projection Regression Model For High-Dimensional Linear Regression. Journal of the American Statistical Association, 2015, 110, 289-302.	1.8	10
114	Quantitative tract-based white matter heritability in twin neonates. NeuroImage, 2015, 111, 123-135.	2.1	43
115	FVGWAS: Fast voxelwise genome wide association analysis of large-scale imaging genetic data. NeuroImage, 2015, 118, 613-627.	2.1	38
116	Diagnostic measures for the Cox regression model with missing covariates. Biometrika, 2015, 102, 907-923.	1.3	9
117	Spatially Weighted Principal Component Analysis for Imaging Classification. Journal of Computational and Graphical Statistics, 2015, 24, 274-296.	0.9	14
118	Semiparametric Bayes Local Additive Models for Longitudinal Data. Statistics in Biosciences, 2015, 7, 90-107.	0.6	1
119	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
120	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
121	UNC-Utah NA-MIC framework for DTI fiber tract analysis. Frontiers in Neuroinformatics, 2014, 7, 51.	1.3	54
122	Environmental and Genetic Contributors to Salivary Testosterone Levels in Infants. Frontiers in Endocrinology, 2014, 5, 187.	1.5	15
123	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
124	NBD delivery improves the disease phenotype of the golden retriever model of Duchenne muscular dystrophy. Skeletal Muscle, 2014, 4, 18.	1.9	30
125	Common Variants in Psychiatric Risk Genes Predict Brain Structure at Birth. Cerebral Cortex, 2014, 24, 1230-1246.	1.6	125
126	SGPP: spatial Gaussian predictive process models for neuroimaging data. NeuroImage, 2014, 89, 70-80.	2.1	19

#	Article	IF	Citations
127	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
128	Clinically Relevant Reperfusion in Acute Ischemic Stroke: MTT Performs Better than Tmax and TTP. Translational Stroke Research, 2014, 5, 415-421.	2.3	16
129	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
130	FMEM: Functional mixed effects modeling for the analysis of longitudinal white matter Tract data. NeuroImage, 2014, 84, 753-764.	2.1	23
131	Spatially Varying Coefficient Model for Neuroimaging Data With Jump Discontinuities. Journal of the American Statistical Association, 2014, 109, 1084-1098.	1.8	65
132	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
133	Intersubject Variability of and Genetic Effects on the Brain's Functional Connectivity during Infancy. Journal of Neuroscience, 2014, 34, 11288-11296.	1.7	105
134	Antral atrophy, intestinal metaplasia, and preneoplastic markers in Mexican children with Helicobacter pyloriâ€“positive and Helicobacter pyloriâ€“negative gastritis. Annals of Diagnostic Pathology, 2014, 18, 129-135.	0.6	19
135	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
136	Functional-Mixed Effects Models for Candidate Genetic Mapping in Imaging Genetic Studies. Genetic Epidemiology, 2014, 38, 680-691.	0.6	6
137	Multivariate Longitudinal Shape Analysis of Human Lateral Ventricles during the First Twenty-Four Months of Life. PLoS ONE, 2014, 9, e108306.	1.1	9
138	Bayesian case-deletion model complexity and information criterion. Statistics and Its Interface, 2014, 7, 531-542.	0.2	3
139	Bayesian sensitivity analysis of statistical models with missing data. Statistica Sinica, 2014, 24, 871-896.	0.2	8
140	Empirical likelihood for estimating equations with nonignorably missing data. Statistica Sinica, 2014, 24, 723-747.	0.2	38
141	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
142	Differential Reconstitution of T Cell Subsets following Immunodepleting Treatment with Alemtuzumab (Anti-CD52 Monoclonal Antibody) in Patients with Relapsingâ€“Remitting Multiple Sclerosis. Journal of Immunology, 2013, 191, 5867-5874.	0.4	143
143	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
144	Tensor Regression with Applications in Neuroimaging Data Analysis. Journal of the American Statistical Association, 2013, 108, 540-552.	1.8	303

#	Article	IF	Citations
145	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
146	The impact of environmental metals in young urbanitesâ€™ brains. Experimental and Toxicologic Pathology, 2013, 65, 503-511.	2.1	117
147	Multiscale adaptive generalized estimating equations for longitudinal neuroimaging data. NeuroImage, 2013, 72, 91-105.	2.1	32
148	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
149	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
150	Diffusion Tensor Imagingâ€“Based Characterization of Brain Neurodevelopment in Primates. Cerebral Cortex, 2013, 23, 36-48.	1.6	49
151	Bayesian Spatial Transformation Models with Applications in Neuroimaging Data. Biometrics, 2013, 69, 1074-1083.	0.8	6
152	Multiscale adaptive smoothing models for the hemodynamic response function in fMRI. Annals of Applied Statistics, 2013, 7, 904-935.	0.5	4
153	Varying coefficient model for modeling diffusion tensors along white matter tracts. Annals of Applied Statistics, 2013, 7, 102-125.	0.5	8
154	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
155	Flavonol-rich dark cocoa significantly decreases plasma endothelin-1 and improves cognition in urban children. Frontiers in Pharmacology, 2013, 4, 104.	1.6	27
156	The Bayesian covariance lasso. Statistics and Its Interface, 2013, 6, 243-259.	0.2	29
157	A Longitudinal Functional Analysis Framework for Analysis of White Matter Tract Statistics. Lecture Notes in Computer Science, 2013, 23, 220-231.	1.0	5
158	Bayesian Case Influence Measures for Statistical Models With Missing Data. Journal of Computational and Graphical Statistics, 2012, 21, 253-271.	0.9	9
159	Perturbation and scaled Cookâ€™s distance. Annals of Statistics, 2012, 40, 785-811.	1.4	23
160	Comment. Technometrics, 2012, 54, 129-133.	1.3	3
161	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
162	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

#	Article	IF	Citations
163	Multivariate varying coefficient model for functional responses. Annals of Statistics, 2012, 40, .	1.4	80
164	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
165	Intrinsic Regression Models for Medial Representation of Subcortical Structures. Journal of the American Statistical Association, 2012, 107, 12-23.	1.8	5
166	Semiparametric Bayesian local functional models for diffusion tensor tract statistics. NeuroImage, 2012, 63, 460-474.	2.1	3
167	Projection Regression Models for Multivariate Imaging Phenotype. Genetic Epidemiology, 2012, 36, 631-641.	0.6	15
168	Bayesian Influence Measures for Joint Models for Longitudinal and Survival Data. Biometrics, 2012, 68, 954-964.	0.8	25
169	Bayesian Lasso for Semiparametric Structural Equation Models. Biometrics, 2012, 68, 567-577.	0.8	38
170	Multiscale Adaptive Marginal Analysis of Longitudinal Neuroimaging Data with Timeâ€Varying Covariates. Biometrics, 2012, 68, 1083-1092.	0.8	20
171	TwinMARM: Two-Stage Multiscale Adaptive Regression Methods for Twin Neuroimaging Data. IEEE Transactions on Medical Imaging, 2012, 31, 1100-1112.	5.4	15
172	MULTIVARIATE VARYING COEFFICIENT MODEL FOR FUNCTIONAL RESPONSES. , 2012, 40, 2634-2666.		72
173	FADTTS: Functional analysis of diffusion tensor tract statistics. NeuroImage, 2011, 56, 1412-1425.	2.1	66
174	Sex differences in grey matter atrophy patterns among AD and aMCI patients: Results from ADNI. NeuroImage, 2011, 56, 890-906.	2.1	86
175	Longitudinal regression analysis of spatialâ€“temporal growth patterns of geometrical diffusion measures in early postnatal brain development with diffusion tensor imaging. NeuroImage, 2011, 58, 993-1005.	2.1	17
176	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
177	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
178	Two-stage empirical likelihood for longitudinal neuroimaging data. Annals of Applied Statistics, 2011, 5, 1132-1158.	0.5	7
179	Multiscale Adaptive Regression Models for Neuroimaging Data. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2011, 73, 559-578.	1.1	59
180	Fixed and Random Effects Selection in Mixed Effects Models. Biometrics, 2011, 67, 495-503.	0.8	103

#	Article	IF	Citations
181	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
182	Bayesian local influence for survival models. Lifetime Data Analysis, 2011, 17, 43-70.	0.4	12
183	Rejoinder: Bayesian local influence for survival models. Lifetime Data Analysis, 2011, 17, 76-79.	0.4	0
184	Outcome quantification using SPHARM-PDM toolbox in orthognathic surgery. International Journal of Computer Assisted Radiology and Surgery, 2011, 6, 617-626.	1.7	38
185	Clinical application of SPHARM-PDM to quantify temporomandibular joint osteoarthritis. Computerized Medical Imaging and Graphics, 2011, 35, 345-352.	3.5	53
186	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
187	Bayesian influence analysis: a geometric approach. Biometrika, 2011, 98, 307-323.	1.3	38
188	Early Changes of Tissue Perfusion After Tissue Plasminogen Activator in Hyperacute Ischemic Stroke. Stroke, 2011, 42, 65-72.	1.0	13
189	Temporal and Spatial Evolution of Brain Network Topology during the First Two Years of Life. PLoS ONE, 2011, 6, e25278.	1.1	224
190	FRATS: Functional Regression Analysis of DTI Tract Statistics. IEEE Transactions on Medical Imaging, 2010, 29, 1039-1049.	5.4	33
191	F-TIMER: Fast Tensor Image Morphing for Elastic Registration. IEEE Transactions on Medical Imaging, 2010, 29, 1192-1203.	5.4	28
192	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
193	Variable Selection in the Cox Regression Model with Covariates Missing at Random. Biometrics, 2010, 66, 97-104.	0.8	23
194	Accuracy and Landmark Error Calculation Using Cone-Beam Computed Tomographyâ€“Generated Cephalograms. Angle Orthodontist, 2010, 80, 286-294.	1.1	47
195	Urban Air Pollution Targets the Dorsal Vagal Complex and Dark Chocolate Offers Neuroprotection. International Journal of Toxicology, 2010, 29, 604-615.	0.6	38
196	Morphological Abnormalities of the Thalamus in Youths With Attention Deficit Hyperactivity Disorder. American Journal of Psychiatry, 2010, 167, 397-408.	4.0	142
197	Neural systems subserving valence and arousal during the experience of induced emotions.. Emotion, 2010, 10, 377-389.	1.5	219
198	Multivariate Varying Coefficient Models for DTI Tract Statistics. Lecture Notes in Computer Science, 2010, 13, 690-697.	1.0	7

#	Article	IF	Citations
199	Approximating the Geisser-Greenhouse sphericity estimator and its applications to diffusion tensor imaging. Statistics and Its Interface, 2010, 3, 81-90.	0.2	3
200	VARIABLE SELECTION FOR REGRESSION MODELS WITH MISSING DATA. Statistica Sinica, 2010, 20, 149-165.	0.2	32
201	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
202	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
203	Neuropsychological Near Normality and Brain Structure Abnormality in Schizophrenia. American Journal of Psychiatry, 2009, 166, 189-195.	4.0	76
204	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
205	ARFI Ultrasound for In Vivo Hemostasis Assessment Postcardiac Catheterization, Part II: Pilot Clinical Results. Ultrasonic Imaging, 2009, 31, 159-171.	1.4	23
206	The neurophysiological bases of emotion: An fMRI study of the affective circumplex using emotionâ€denoting words. Human Brain Mapping, 2009, 30, 883-895.	1.9	163
207	Bayesian Case Influence Diagnostics for Survival Models. Biometrics, 2009, 65, 116-124.	0.8	44
208	Adjusted Exponentially Tilted Likelihood with Applications to Brain Morphology. Biometrics, 2009, 65, 919-927.	0.8	9
209	Local Influence for Generalized Linear Models with Missing Covariates. Biometrics, 2009, 65, 1164-1174.	0.8	21
210	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
211	Diagnostic Measures for Generalized Linear Models with Missing Covariates. Scandinavian Journal of Statistics, 2009, 36, 686-712.	0.9	14
212	Regression Models for Identifying Noise Sources in Magnetic Resonance Images. Journal of the American Statistical Association, 2009, 104, 623-637.	1.8	43
213	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
214	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
215	A unified optimization approach for diffusion tensor imaging technique. NeuroImage, 2009, 44, 729-741.	2.1	19
216	White matter abnormalities revealed by diffusion tensor imaging in non-demented and demented HIV+ patients. NeuroImage, 2009, 47, 1154-1162.	2.1	113

#	Article	IF	Citations
217	TIMER: Tensor Image Morphing for Elastic Registration. NeuroImage, 2009, 47, 549-563.	2.1	51
218	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
219	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
220	Model Selection Criteria for Missing-Data Problems Using the EM Algorithm. Journal of the American Statistical Association, 2008, 103, 1648-1658.	1.8	93
221	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
222	Auto-multicategorical regression model for the distribution of vegetation. Statistics and Its Interface, 2008, 1, 63-70.	0.2	1
223	Statistical Modelling of Brain Morphological Measures Within Family Pedigrees. Statistica Sinica, 2008, 18, 1569-1591.	0.2	4
224	A Developmental fMRI Study of Self-Regulatory Control in Touretteâ€™s Syndrome. American Journal of Psychiatry, 2007, 164, 955-966.	4.0	119
225	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
226	A Statistical Analysis of Brain Morphology Using Wild Bootstrapping. IEEE Transactions on Medical Imaging, 2007, 26, 954-966.	5.4	39
227	Suggestion overrides the Stroop effect in highly hypnotizable individuals. Consciousness and Cognition, 2007, 16, 331-338.	0.8	61
228	Maximum likelihood from spatial random effects models via the stochastic approximation expectation maximization algorithm. Statistics and Computing, 2007, 17, 163-177.	0.8	29
229	Generalized score test of homogeneity for mixed effects models. Annals of Statistics, 2006, 34, 1545.	1.4	21
230	Cortisol Levels and Hippocampus Volumes in Healthy Preadolescent Children. Biological Psychiatry, 2006, 60, 856-861.	0.7	34
231	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
232	A statistical framework for the classification of tensor morphologies in diffusion tensor images. Magnetic Resonance Imaging, 2006, 24, 569-582.	1.0	12
233	Asymptotics for estimation and testing procedures under loss of identifiability. Journal of Multivariate Analysis, 2006, 97, 19-45.	0.5	11
234	A developmental fMRI study of self-regulatory control. Human Brain Mapping, 2006, 27, 848-863.	1.9	231

#	Article	IF	Citations
235	Ferritin levels and their association with regional brain volumes in Tourette's syndrome. American Journal of Psychiatry, 2006, 163, 1264-72.	4.0	19
236	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
237	Autologistic regression model for the distribution of vegetation. Journal of Agricultural, Biological, and Environmental Statistics, 2003, 8, 205-222.	0.7	45
238	Robust estimation and design procedures for the random effects model. Canadian Journal of Statistics, 2003, 31, 99-110.	0.6	9
239	Local influence for generalized linear mixed models. Canadian Journal of Statistics, 2003, 31, 293-309.	0.6	35
240	Tree-based disease classification using protein data. Proteomics, 2003, 3, 1673-1677.	1.3	26
241	Identification of Linear Directions in Multivariate Adaptive Spline Models. Journal of the American Statistical Association, 2003, 98, 369-376.	1.8	5
242	A Latent Variable Model of Segregation Analysis for Ordinal Traits. Journal of the American Statistical Association, 2003, 98, 1023-1034.	1.8	15
243	Autologistic regression model for the distribution of vegetation. , 2003, 8, 205.		6