

Hongtu Zhu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

246
papers

8,150
citations

42
h-index

81
g-index

255
ext. papers

10,105
ext. citations

5.2
avg. IF

5.97
L-index

#	Paper	IF	Citations
246	DADP: Dynamic abnormality detection and progression for longitudinal knee magnetic resonance images from the Osteoarthritis Initiative.. <i>Medical Image Analysis</i> , 2022 , 77, 102343	15.4	1
245	Common variants contribute to intrinsic human brain functional networks.. <i>Nature Genetics</i> , 2022 , 54, 508-517	36.3	1
244	Intrinsic partial linear models for manifold-valued data. <i>Information Processing and Management</i> , 2022 , 59, 102954	6.3	
243	Large-scale GWAS reveals genetic architecture of brain white matter microstructure and genetic overlap with cognitive and mental health traits (n = 17,706). <i>Molecular Psychiatry</i> , 2021 , 26, 3943-3955	15.1	35
242	Characterizing genetic intra-tumor heterogeneity across 2,658 human cancer genomes. <i>Cell</i> , 2021 , 184, 2239-2254.e39	56.2	57
241	Transcriptome-wide association analysis of brain structures yields insights into pleiotropy with complex neuropsychiatric traits. <i>Nature Communications</i> , 2021 , 12, 2878	17.4	2
240	Clusterwise functional linear regression models. <i>Computational Statistics and Data Analysis</i> , 2021 , 158, 107192	1.6	1
239	Common genetic variation influencing human white matter microstructure. <i>Science</i> , 2021 , 372,	33.3	18
238	Weighted functional linear Cox regression model. <i>Statistical Methods in Medical Research</i> , 2021 , 30, 1917-1931	2.9	2
237	ACE of space: estimating genetic components of high-dimensional imaging data. <i>Biostatistics</i> , 2021 , 22, 131-147	3.7	2
236	Nonparametric matrix regression function estimation over symmetric positive definite matrices. <i>Journal of the Korean Statistical Society</i> , 2021 , 50, 795-817	0.5	
235	Bayesian latent factor on image regression with nonignorable missing data. <i>Statistics in Medicine</i> , 2021 , 40, 920-932	2.3	4
234	Statistical disease mapping for heterogeneous neuroimaging studies. <i>Canadian Journal of Statistics</i> , 2021 , 49, 10-34	0.4	4
233	Estimation for the bivariate quantile varying coefficient model with application to diffusion tensor imaging data analysis. <i>Biostatistics</i> , 2021 ,	3.7	3
232	A generalized fluid model of ride-hailing systems. <i>Transportation Research Part B: Methodological</i> , 2021 , 150, 587-605	7.2	1
231	Real-world ride-hailing vehicle repositioning using deep reinforcement learning. <i>Transportation Research Part C: Emerging Technologies</i> , 2021 , 130, 103289	8.4	7
230	Multi-party ride-matching problem in the ride-hailing market with bundled option services. <i>Transportation Research Part C: Emerging Technologies</i> , 2021 , 131, 103287	8.4	1

229	Regression Analysis of Asynchronous Longitudinal Functional and Scalar Data. <i>Journal of the American Statistical Association</i> , 2020 , 1-15	2.8	1
228	Partial least squares for functional joint models with applications to the Alzheimer@ disease neuroimaging initiative study. <i>Biometrics</i> , 2020 , 76, 1109-1119	1.8	2
227	The evolutionary history of 2,658 cancers. <i>Nature</i> , 2020 , 578, 122-128	50.4	307
226	Penalized logistic regression using functional connectivity as covariates with an application to mild cognitive impairment. <i>Communications for Statistical Applications and Methods</i> , 2020 , 27, 603-624	0.4	
225	Analysis of secondary phenotypes in multigroup association studies. <i>Biometrics</i> , 2020 , 76, 606-618	1.8	1
224	Optimal passenger-seeking policies on E-hailing platforms using Markov decision process and imitation learning. <i>Transportation Research Part C: Emerging Technologies</i> , 2020 , 111, 91-113	8.4	33
223	Stability analysis of CT radiomic features with respect to segmentation variation in oropharyngeal cancer. <i>Clinical and Translational Radiation Oncology</i> , 2020 , 21, 11-18	4.6	11
222	Bayesian Scalar on Image Regression With Nonignorable Nonresponse. <i>Journal of the American Statistical Association</i> , 2020 , 115, 1574-1597	2.8	6
221	Ride-Hailing Order Dispatching at DiDi via Reinforcement Learning. <i>Interfaces</i> , 2020 , 50, 272-286	0.7	17
220	A predictive model of radiation-related fibrosis based on the radiomic features of magnetic resonance imaging and computed tomography.. <i>Translational Cancer Research</i> , 2020 , 9, 4726-4738	0.3	2
219	(TS)WM: Tumor Segmentation and Tract Statistics for Assessing White Matter Integrity with Applications to Glioblastoma Patients. <i>NeuroImage</i> , 2020 , 223, 117368	7.9	5
218	Development of a one-day driving cycle for electric ride-hailing vehicles. <i>Transportation Research, Part D: Transport and Environment</i> , 2020 , 89, 102597	6.4	1
217	The emergence of a functionally flexible brain during early infancy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 23904-23913	11.5	15
216	Bayesian sparse heritability analysis with high-dimensional neuroimaging phenotypes. <i>Biostatistics</i> , 2020 ,	3.7	2
215	D-CCA: A Decomposition-based Canonical Correlation Analysis for High-Dimensional Datasets. <i>Journal of the American Statistical Association</i> , 2020 , 115, 292-306	2.8	12
214	L2RM: Low-rank Linear Regression Models for High-dimensional Matrix Responses. <i>Journal of the American Statistical Association</i> , 2020 , 115, 403-424	2.8	15
213	Structured Genome-Wide Association Studies with Bayesian Hierarchical Variable Selection. <i>Genetics</i> , 2019 , 212, 397-415	4	7
212	Editorial for the Special Issue Challenges in Computational Neuroscience. <i>Statistics in Biosciences</i> , 2019 , 11, 1-2	1.5	1

211	Tensor network factorizations: Relationships between brain structural connectomes and traits. <i>NeuroImage</i> , 2019 , 197, 330-343	7.9	25
210	A Review of Statistical Methods in Imaging Genetics. <i>Canadian Journal of Statistics</i> , 2019 , 47, 108-131	0.4	12
209	Disentangling the effects of early caregiving experience and heritable factors on brain white matter development in rhesus monkeys. <i>NeuroImage</i> , 2019 , 197, 625-642	7.9	11
208	Quantile regression for functional partially linear model in ultra-high dimensions. <i>Computational Statistics and Data Analysis</i> , 2019 , 129, 135-147	1.6	19
207	Heritability of Regional Brain Volumes in Large-Scale Neuroimaging and Genetic Studies. <i>Cerebral Cortex</i> , 2019 , 29, 2904-2914	5.1	10
206	TEST FOR HIGH DIMENSIONAL CORRELATION MATRICES. <i>Annals of Statistics</i> , 2019 , 47, 2887-2921	3.2	5
205	The joint effect of aging and HIV infection on microstructure of white matter bundles. <i>Human Brain Mapping</i> , 2019 , 40, 4370-4380	5.9	12
204	MFPCA: Multiscale Functional Principal Component Analysis. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019 , 33, 4320-4327	5	1
203	Sensitivity Analysis of Deep Neural Networks. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019 , 33, 4943-4950	5	9
202	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. <i>Nature Genetics</i> , 2019 , 51, 1637-1644	36.3	69
201	FMEM: Functional Mixed Effects Models for Longitudinal Functional Responses. <i>Statistica Sinica</i> , 2019 , 29, 2007-2033	0.7	5
200	Adolescent Fluid Intelligence Prediction from Regional Brain Volumes and Cortical Curvatures Using BlockPC-XGBoost. <i>Lecture Notes in Computer Science</i> , 2019 , 167-175	0.9	0
199	A Powerful Global Test Statistic for Functional Statistical Inference. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019 , 33, 5765-5772	5	
198	Bayesian adaptive group lasso with semiparametric hidden Markov models. <i>Statistics in Medicine</i> , 2019 , 38, 1634-1650	2.3	6
197	Quantitative tract-based white matter heritability in 1- and 2-year-old twins. <i>Human Brain Mapping</i> , 2019 , 40, 1164-1173	5.9	6
196	Limits to anatomical accuracy of diffusion tractography using modern approaches. <i>NeuroImage</i> , 2019 , 185, 1-11	7.9	110
195	Hard thresholding regression. <i>Scandinavian Journal of Statistics</i> , 2019 , 46, 314-328	0.8	4
194	The UNC/UMN Baby Connectome Project (BCP): An overview of the study design and protocol development. <i>NeuroImage</i> , 2019 , 185, 891-905	7.9	140

193	Bayesian hidden Markov models for delineating the pathology of Alzheimer's disease. <i>Statistical Methods in Medical Research</i> , 2019 , 28, 2112-2124	2.3	8
192	MILFM: Multiple index latent factor model based on high-dimensional features. <i>Biometrics</i> , 2018 , 74, 834-844	1.8	4
191	Mapping population-based structural connectomes. <i>NeuroImage</i> , 2018 , 172, 130-145	7.9	38
190	Note on bias from averaging repeated measurements in heritability studies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E122	11.5	1
189	SMAC: Spatial multi-category angle-based classifier for high-dimensional neuroimaging data. <i>NeuroImage</i> , 2018 , 175, 230-245	7.9	4
188	Nucleoside Diphosphate Kinase-3 () Enhances TLR5-Induced NFB Activation. <i>Molecular Cancer Research</i> , 2018 , 16, 986-999	6.6	9
187	Adolescent alcohol exposure decreases frontostriatal resting-state functional connectivity in adulthood. <i>Addiction Biology</i> , 2018 , 23, 810-823	4.6	39
186	FLCRM: Functional linear cox regression model. <i>Biometrics</i> , 2018 , 74, 109-117	1.8	25
185	Efficient Robust Estimation for Linear Models with Missing Response at Random. <i>Scandinavian Journal of Statistics</i> , 2018 , 45, 366-381	0.8	5
184	Genetic influences on neonatal cortical thickness and surface area. <i>Human Brain Mapping</i> , 2018 , 39, 4998-5013	5.9	16
183	Machine Learning Applications in Head and Neck Radiation Oncology: Lessons From Open-Source Radiomics Challenges. <i>Frontiers in Oncology</i> , 2018 , 8, 294	5.3	23
182	Functional Linear Regression Models for Nonignorable Missing Scalar Responses. <i>Statistica Sinica</i> , 2018 , 28, 1867-1886	0.7	1
181	TPRM: TENSOR PARTITION REGRESSION MODELS WITH APPLICATIONS IN IMAGING BIOMARKER DETECTION. <i>Annals of Applied Statistics</i> , 2018 , 12, 1422-1450	2.1	8
180	A web-based system for neural network based classification in temporomandibular joint osteoarthritis. <i>Computerized Medical Imaging and Graphics</i> , 2018 , 67, 45-54	7.6	21
179	A Functional Varying-Coefficient Single-Index Model for Functional Response Data. <i>Journal of the American Statistical Association</i> , 2017 , 112, 1169-1181	2.8	16
178	Generalized Scalar-on-Image Regression Models via Total Variation. <i>Journal of the American Statistical Association</i> , 2017 , 112, 1156-1168	2.8	37
177	Hidden Markov latent variable models with multivariate longitudinal data. <i>Biometrics</i> , 2017 , 73, 313-323	1.8	18
176	Influence analysis for skew-normal semiparametric joint models of multivariate longitudinal and multivariate survival data. <i>Statistics in Medicine</i> , 2017 , 36, 1476-1490	2.3	5

175	Bayesian longitudinal low-rank regression models for imaging genetic data from longitudinal studies. <i>NeuroImage</i> , 2017 , 149, 305-322	7.9	10
174	Early brain development in infants at high risk for autism spectrum disorder. <i>Nature</i> , 2017 , 542, 348-351	50.4	552
173	Single-nucleotide polymorphisms are associated with cognitive decline at Alzheimer's disease conversion within mild cognitive impairment patients. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017 , 8, 86-95	5.2	18
172	Genome-wide mediation analysis of psychiatric and cognitive traits through imaging phenotypes. <i>Human Brain Mapping</i> , 2017 , 38, 4088-4097	5.9	14
171	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. <i>Journal of Social and Clinical Psychology</i> , 2017 , 36, 238-263	1.6	7
170	Common and heritable components of white matter microstructure predict cognitive function at 1 and 2 y. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 148-153	11.5	39
169	MWPCR: Multiscale Weighted Principal Component Regression for High-dimensional Prediction. <i>Journal of the American Statistical Association</i> , 2017 , 112, 1009-1021	2.8	4
168	Bayesian Sensitivity Analysis of a Nonlinear Dynamic Factor Analysis Model with Nonparametric Prior and Possible Nonignorable Missingness. <i>Psychometrika</i> , 2017 , 82, 875-903	2.2	8
167	FGWAS: Functional genome wide association analysis. <i>NeuroImage</i> , 2017 , 159, 107-121	7.9	25
166	Groupwise envelope models for imaging genetic analysis. <i>Biometrics</i> , 2017 , 73, 1243-1253	1.8	9
165	Radiomic analysis in prediction of Human Papilloma Virus status. <i>Clinical and Translational Radiation Oncology</i> , 2017 , 7, 49-54	4.6	31
164	Extrinsic local regression on manifold-valued data. <i>Journal of the American Statistical Association</i> , 2017 , 112, 1261-1273	2.8	27
163	Genome-wide association analysis of secondary imaging phenotypes from the Alzheimer's disease neuroimaging initiative study. <i>NeuroImage</i> , 2017 , 146, 983-1002	7.9	5
162	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. <i>Lancet Oncology</i> , 2017 , 18, 132-142	21.7	90
161	3D tract-specific local and global analysis of white matter integrity in Alzheimer's disease. <i>Human Brain Mapping</i> , 2017 , 38, 1191-1207	5.9	26
160	LCN: a random graph mixture model for community detection in functional brain networks. <i>Statistics and Its Interface</i> , 2017 , 10, 369-378	0.4	4
159	HFPRM: Hierarchical Functional Principal Regression Model for Diffusion Tensor Image Bundle Statistics. <i>Lecture Notes in Computer Science</i> , 2017 , 10265, 478-489	0.9	1
158	Reinforced Angle-based Multicategory Support Vector Machines. <i>Journal of Computational and Graphical Statistics</i> , 2016 , 25, 806-825	1.4	10

157	Cortical thickness and surface area in neonates at high risk for schizophrenia. <i>Brain Structure and Function</i> , 2016 , 221, 447-61	4	42
156	Antenatal depression, treatment with selective serotonin reuptake inhibitors, and neonatal brain structure: A propensity-matched cohort study. <i>Psychiatry Research - Neuroimaging</i> , 2016 , 253, 43-53	2.9	37
155	STGP: Spatio-temporal Gaussian process models for longitudinal neuroimaging data. <i>NeuroImage</i> , 2016 , 134, 550-562	7.9	19
154	Fitting Nonlinear Ordinary Differential Equation Models with Random Effects and Unknown Initial Conditions Using the Stochastic Approximation Expectation-Maximization (SAEM) Algorithm. <i>Psychometrika</i> , 2016 , 81, 102-34	2.2	21
153	SR-HARDI: Spatially Regularizing High Angular Resolution Diffusion Imaging. <i>Journal of Computational and Graphical Statistics</i> , 2016 , 25, 1195-1211	1.4	
152	Reperfusion Beyond 6 Hours Reduces Infarct Probability in Moderately Ischemic Brain Tissue. <i>Stroke</i> , 2016 , 47, 99-105	6.7	8
151	The Statistics and Mathematics of High Dimension Low Sample Size Asymptotics. <i>Statistica Sinica</i> , 2016 , 26, 1747-1770	0.7	17
150	Single-index varying coefficient model for functional responses. <i>Biometrics</i> , 2016 , 72, 1275-1284	1.8	7
149	Crowdsourced estimation of cognitive decline and resilience in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2016 , 12, 645-53	1.2	58
148	Defining the ischemic penumbra using magnetic resonance oxygen metabolic index. <i>Stroke</i> , 2015 , 46, 982-8	6.7	39
147	Cook's Distance Measures for Varying Coefficient Models with Functional Responses. <i>Technometrics</i> , 2015 , 57, 268-280	1.4	1
146	Diseased Region Detection of Longitudinal Knee Magnetic Resonance Imaging Data. <i>IEEE Transactions on Medical Imaging</i> , 2015 , 34, 1914-27	11.7	9
145	SPReM: Sparse Projection Regression Model For High-dimensional Linear Regression. <i>Journal of the American Statistical Association</i> , 2015 , 110, 289-302	2.8	8
144	Quantitative tract-based white matter heritability in twin neonates. <i>NeuroImage</i> , 2015 , 111, 123-35	7.9	34
143	FVGWAS: Fast voxelwise genome wide association analysis of large-scale imaging genetic data. <i>NeuroImage</i> , 2015 , 118, 613-27	7.9	31
142	Diagnostic Measures for the Cox Regression Model with Missing Covariates. <i>Biometrika</i> , 2015 , 102, 907-923		8
141	Spatially Weighted Principal Component Analysis for Imaging Classification. <i>Journal of Computational and Graphical Statistics</i> , 2015 , 24, 274-296	1.4	13
140	Semiparametric Bayes local additive models for longitudinal data. <i>Statistics in Biosciences</i> , 2015 , 7, 90-107.5		

139	Double Penalized H-Likelihood for Selection of Fixed and Random Effects in Mixed Effects Models. <i>Statistics in Biosciences</i> , 2015 , 7, 108-128	1.5	4
138	Bayesian Analysis of Ambulatory Blood Pressure Dynamics with Application to Irregularly Spaced Sparse Data. <i>Annals of Applied Statistics</i> , 2015 , 9, 1601-1620	2.1	10
137	BFLCRM: A BAYESIAN FUNCTIONAL LINEAR COX REGRESSION MODEL FOR PREDICTING TIME TO CONVERSION TO ALZHEIMER'S DISEASE. <i>Annals of Applied Statistics</i> , 2015 , 9, 2153-2178	2.1	19
136	Decreases in Short Term Memory, IQ, and Altered Brain Metabolic Ratios in Urban Apolipoprotein E4 Children Exposed to Air Pollution. <i>Journal of Alzheimer's Disease</i> , 2015 , 45, 757-70	4.3	61
135	Multiple SNP Set Analysis for Genome-Wide Association Studies Through Bayesian Latent Variable Selection. <i>Genetic Epidemiology</i> , 2015 , 39, 664-77	2.6	11
134	Predicting Alzheimer's Disease Using Combined Imaging-Whole Genome SNP Data. <i>Journal of Alzheimer's Disease</i> , 2015 , 46, 695-702	4.3	15
133	Clustering High-Dimensional Landmark-based Two-dimensional Shape Data. <i>Journal of the American Statistical Association</i> , 2015 , 110, 946-961	2.8	11
132	A SPARSE REDUCED RANK FRAMEWORK FOR GROUP ANALYSIS OF FUNCTIONAL NEUROIMAGING DATA. <i>Statistica Sinica</i> , 2015 , 25, 295-312	0.7	11
131	Clinically relevant reperfusion in acute ischemic stroke: MTT performs better than Tmax and TTP. <i>Translational Stroke Research</i> , 2014 , 5, 415-421	7.8	10
130	The role of endogenous IFN- γ in the regulation of Th17 responses in patients with relapsing-remitting multiple sclerosis. <i>Journal of Immunology</i> , 2014 , 192, 5610-7	5.3	39
129	FMEM: functional mixed effects modeling for the analysis of longitudinal white matter Tract data. <i>NeuroImage</i> , 2014 , 84, 753-64	7.9	17
128	Spatially Varying Coefficient Model for Neuroimaging Data with Jump Discontinuities. <i>Journal of the American Statistical Association</i> , 2014 , 109, 1084-1098	2.8	50
127	Bayesian Generalized Low Rank Regression Models for Neuroimaging Phenotypes and Genetic Markers. <i>Journal of the American Statistical Association</i> , 2014 , 109, 977-990	2.8	43
126	Intersubject variability of and genetic effects on the brain's functional connectivity during infancy. <i>Journal of Neuroscience</i> , 2014 , 34, 11288-96	6.6	81
125	Antral atrophy, intestinal metaplasia, and preneoplastic markers in Mexican children with Helicobacter pylori-positive and Helicobacter pylori-negative gastritis. <i>Annals of Diagnostic Pathology</i> , 2014 , 18, 129-35	2.2	11
124	Characteristics of magnetic resonance imaging biomarkers in a natural history study of golden retriever muscular dystrophy. <i>Neuromuscular Disorders</i> , 2014 , 24, 178-91	2.9	41
123	Functional-mixed effects models for candidate genetic mapping in imaging genetic studies. <i>Genetic Epidemiology</i> , 2014 , 38, 680-91	2.6	6
122	UNC-Utah NA-MIC framework for DTI fiber tract analysis. <i>Frontiers in Neuroinformatics</i> , 2014 , 7, 51	3.9	45

121	Environmental and genetic contributors to salivary testosterone levels in infants. <i>Frontiers in Endocrinology</i> , 2014 , 5, 187	5.7	11
120	Use of shape correspondence analysis to quantify skeletal changes associated with bone-anchored Class III correction. <i>Angle Orthodontist</i> , 2014 , 84, 329-36	2.6	30
119	NBD delivery improves the disease phenotype of the golden retriever model of Duchenne muscular dystrophy. <i>Skeletal Muscle</i> , 2014 , 4, 18	5.1	27
118	Common variants in psychiatric risk genes predict brain structure at birth. <i>Cerebral Cortex</i> , 2014 , 24, 1236-46	9.16	100
117	SGPP: spatial Gaussian predictive process models for neuroimaging data. <i>NeuroImage</i> , 2014 , 89, 70-80	7.9	16
116	More insights into early brain development through statistical analyses of eigen-structural elements of diffusion tensor imaging using multivariate adaptive regression splines. <i>Brain Structure and Function</i> , 2014 , 219, 551-69	4	5
115	Multivariate longitudinal shape analysis of human lateral ventricles during the first twenty-four months of life. <i>PLoS ONE</i> , 2014 , 9, e108306	3.7	9
114	Bayesian Generalized Low Rank Regression Models for Neuroimaging Phenotypes and Genetic Markers. <i>Journal of the American Statistical Association</i> , 2014 , 109, 997-990	2.8	22
113	Bayesian Case-deletion Model Complexity and Information Criterion. <i>Statistics and Its Interface</i> , 2014 , 7, 531-542	0.4	2
112	Bayesian Sensitivity Analysis of Statistical Models with Missing Data. <i>Statistica Sinica</i> , 2014 , 24, 871-896	0.7	7
111	Empirical Likelihood for Estimating Equations with Nonignorably Missing Data. <i>Statistica Sinica</i> , 2014 , 24, 723-747	0.7	23
110	Differential reconstitution of T cell subsets following immunodepleting treatment with alemtuzumab (anti-CD52 monoclonal antibody) in patients with relapsing-remitting multiple sclerosis. <i>Journal of Immunology</i> , 2013 , 191, 5867-74	5.3	122
109	Three-dimensional treatment outcomes in Class II patients treated with the Herbst appliance: a pilot study. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2013 , 144, 818-30	2.1	26
108	Tensor Regression with Applications in Neuroimaging Data Analysis. <i>Journal of the American Statistical Association</i> , 2013 , 108, 540-552	2.8	201
107	Localized differences in caudate and hippocampal shape are associated with schizophrenia but not antipsychotic type. <i>Psychiatry Research - Neuroimaging</i> , 2013 , 211, 1-10	2.9	20
106	The impact of environmental metals in young urbanites' brains. <i>Experimental and Toxicologic Pathology</i> , 2013 , 65, 503-11		92
105	Multiscale adaptive generalized estimating equations for longitudinal neuroimaging data. <i>NeuroImage</i> , 2013 , 72, 91-105	7.9	30
104	UNC-Utah NA-MIC DTI framework: Atlas Based Fiber Tract Analysis with Application to a Study of Nicotine Smoking Addiction. <i>Proceedings of SPIE</i> , 2013 , 8669,	1.7	3

103	Exposure to urban air pollution and bone health in clinically healthy six-year-old children. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2013 , 64, 23-34	1.7	27
102	Diffusion tensor imaging-based characterization of brain neurodevelopment in primates. <i>Cerebral Cortex</i> , 2013 , 23, 36-48	5.1	39
101	Bayesian spatial transformation models with applications in neuroimaging data. <i>Biometrics</i> , 2013 , 69, 1074-83	1.8	6
100	MULTISCALE ADAPTIVE SMOOTHING MODELS FOR THE HEMODYNAMIC RESPONSE FUNCTION IN FMRI. <i>Annals of Applied Statistics</i> , 2013 , 7, 904-935	2.1	3
99	VARYING COEFFICIENT MODEL FOR MODELING DIFFUSION TENSORS ALONG WHITE MATTER TRACTS. <i>Annals of Applied Statistics</i> , 2013 , 7, 102-125	2.1	6
98	Mapping the genetic variation of regional brain volumes as explained by all common SNPs from the ADNI study. <i>PLoS ONE</i> , 2013 , 8, e71723	3.7	20
97	Flavonol-rich dark cocoa significantly decreases plasma endothelin-1 and improves cognition in urban children. <i>Frontiers in Pharmacology</i> , 2013 , 4, 104	5.6	23
96	The Bayesian Covariance Lasso. <i>Statistics and Its Interface</i> , 2013 , 6, 243-259	0.4	25
95	A longitudinal functional analysis framework for analysis of white matter tract statistics. <i>Lecture Notes in Computer Science</i> , 2013 , 23, 220-31	0.9	5
94	Bayesian influence measures for joint models for longitudinal and survival data. <i>Biometrics</i> , 2012 , 68, 954-64	1.8	21
93	Bayesian lasso for semiparametric structural equation models. <i>Biometrics</i> , 2012 , 68, 567-77	1.8	30
92	Multiscale adaptive marginal analysis of longitudinal neuroimaging data with time-varying covariates. <i>Biometrics</i> , 2012 , 68, 1083-92	1.8	18
91	TwinMARM: two-stage multiscale adaptive regression methods for twin neuroimaging data. <i>IEEE Transactions on Medical Imaging</i> , 2012 , 31, 1100-12	11.7	13
90	Intrinsic Regression Models for Medial Representation of Subcortical Structures. <i>Journal of the American Statistical Association</i> , 2012 , 107, 12-23	2.8	4
89	Semiparametric Bayesian local functional models for diffusion tensor tract statistics. <i>NeuroImage</i> , 2012 , 63, 460-74	7.9	2
88	Projection regression models for multivariate imaging phenotype. <i>Genetic Epidemiology</i> , 2012 , 36, 631-41.6	14	
87	Bayesian Case Influence Measures for Statistical Models with Missing Data. <i>Journal of Computational and Graphical Statistics</i> , 2012 , 21, 253-271	1.4	9
86	PERTURBATION AND SCALED COOK'S DISTANCE. <i>Annals of Statistics</i> , 2012 , 40, 785-811	3.2	17

85	Discussion of the paper "Clustering Random Curves Under Spatial Interdependence with Application to Service Accessibility" by Jiang and Serban. <i>Technometrics</i> , 2012 , 54, 129-133	1.4	3
84	Intra-city Differences in Cardiac Expression of Inflammatory Genes and Inflammasomes in Young Urbanites: A Pilot Study. <i>Journal of Toxicologic Pathology</i> , 2012 , 25, 163-73	1.4	16
83	Neuroinflammation, hyperphosphorylated tau, diffuse amyloid plaques, and down-regulation of the cellular prion protein in air pollution exposed children and young adults. <i>Journal of Alzheimer's Disease</i> , 2012 , 28, 93-107	4.3	193
82	Multivariate varying coefficient model for functional responses. <i>Annals of Statistics</i> , 2012 , 40,	3.2	58
81	White matter hyperintensities, systemic inflammation, brain growth, and cognitive functions in children exposed to air pollution. <i>Journal of Alzheimer's Disease</i> , 2012 , 31, 183-91	4.3	75
80	MULTIVARIATE VARYING COEFFICIENT MODEL FOR FUNCTIONAL RESPONSES. <i>Annals of Statistics</i> , 2012 , 40, 2634-2666	3.2	20
79	FADTTS: functional analysis of diffusion tensor tract statistics. <i>NeuroImage</i> , 2011 , 56, 1412-25	7.9	59
78	Sex differences in grey matter atrophy patterns among AD and aMCI patients: results from ADNI. <i>NeuroImage</i> , 2011 , 56, 890-906	7.9	62
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