Hongtu Zhu

List of Publications by Citations

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	Early brain development in infants at high risk for autism spectrum disorder. *Nature*, **2017**, 542, 348-351	50.4	552
245	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, 6790-5	11.5	394
244	The evolutionary history of 2,658 cancers. *Nature*, **2020**, 578, 122-128	50.4	307
243	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, 6273-8	11.5	214
242	A developmental fMRI study of self-regulatory control. *Human Brain Mapping*, **2006**, 27, 848-63	5.9	210
241	Tensor Regression with Applications in Neuroimaging Data Analysis. *Journal of the American Statistical Association*, **2013**, 108, 540-552	2.8	201
240	Neuroinflammation, hyperphosphorylated tau, diffuse amyloid plaques, and down-regulation of the cellular prion protein in air pollution exposed children and young adults. *Journal of Alzheimerls Disease*, **2012**, 28, 93-107	4.3	193
239	Temporal and spatial evolution of brain network topology during the first two years of life. *PLoS ONE*, **2011**, 6, e25278	3.7	190
238	Exposure to severe urban air pollution influences cognitive outcomes, brain volume and systemic inflammation in clinically healthy children. *Brain and Cognition*, **2011**, 77, 345-55	2.7	188
237	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, 1286-94	11.9	183
236	Neural systems subserving valence and arousal during the experience of induced emotions. *Emotion*, **2010**, 10, 377-89	4.1	178
235	The UNC/UMN Baby Connectome Project (BCP): An overview of the study design and protocol development. *NeuroImage*, **2019**, 185, 891-905	7.9	140
234	The neurophysiological bases of emotion: An fMRI study of the affective circumplex using emotion-denoting words. *Human Brain Mapping*, **2009**, 30, 883-95	5.9	134
233	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, 5867-74	5.3	122
232	An affective circumplex model of neural systems subserving valence, arousal, and cognitive overlay during the appraisal of emotional faces. *Neuropsychologia*, **2008**, 46, 2129-39	3.2	119
231	Morphological abnormalities of the thalamus in youths with attention deficit hyperactivity disorder. *American Journal of Psychiatry*, **2010**, 167, 397-408	11.9	116
230	Limits to anatomical accuracy of diffusion tractography using modern approaches. *NeuroImage*, **2019**, 185, 1-11	7.9	110

229	A developmental fMRI study of self-regulatory control in Tourette@ syndrome. *American Journal of Psychiatry*, **2007**, 164, 955-66	11.9	105
228	Common variants in psychiatric risk genes predict brain structure at birth. *Cerebral Cortex*, **2014**, 24, 1230-46	9.4	100
227	White matter abnormalities revealed by diffusion tensor imaging in non-demented and demented HIV+ patients. *NeuroImage*, **2009**, 47, 1154-62	7.9	97
226	The impact of environmental metals in young urbanites@brains. *Experimental and Toxicologic Pathology*, **2013**, 65, 503-11		92
225	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	21.7	90
224	Intersubject variability of and genetic effects on the brain@ functional connectivity during infancy. *Journal of Neuroscience*, **2014**, 34, 11288-96	6.6	81
223	Model Selection Criteria for Missing-Data Problems Using the EM Algorithm. *Journal of the American Statistical Association*, **2008**, 103, 1648-1658	2.8	77
222	White matter hyperintensities, systemic inflammation, brain growth, and cognitive functions in children exposed to air pollution. *Journal of Alzheimerls Disease*, **2012**, 31, 183-91	4.3	75
221	Fixed and random effects selection in mixed effects models. *Biometrics*, **2011**, 67, 495-503	1.8	74
220	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	36.3	69
219	Neuropsychological near normality and brain structure abnormality in schizophrenia. *American Journal of Psychiatry*, **2009**, 166, 189-95	11.9	66
218	Sex differences in grey matter atrophy patterns among AD and aMCI patients: results from ADNI. *NeuroImage*, **2011**, 56, 890-906	7.9	62
217	Decreases in Short Term Memory, IQ, and Altered Brain Metabolic Ratios in Urban Apolipoprotein 4 Children Exposed to Air Pollution. *Journal of Alzheimerls Disease*, **2015**, 45, 757-70	4.3	61
216	FADTTS: functional analysis of diffusion tensor tract statistics. *NeuroImage*, **2011**, 56, 1412-25	7.9	59
215	Multivariate varying coefficient model for functional responses. *Annals of Statistics*, **2012**, 40,	3.2	58
214	Crowdsourced estimation of cognitive decline and resilience in Alzheimer@ disease. *Alzheimerls and Dementia*, **2016**, 12, 645-53	1.2	58
213	Characterizing genetic intra-tumor heterogeneity across 2,658 human cancer genomes. *Cell*, **2021**, 184, 2239-2254.e39	56.2	57
212	Suggestion overrides the Stroop effect in highly hypnotizable individuals. *Consciousness and Cognition*, **2007**, 16, 331-8	2.6	52

211	Spatially Varying Coefficient Model for Neuroimaging Data with Jump Discontinuities. *Journal of the American Statistical Association*, **2014**, 109, 1084-1098	2.8	50
210	Multiscale Adaptive Regression Models for Neuroimaging Data. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2011**, 73, 559-578	3.9	49
209	Statistical Analysis of Diffusion Tensors in Diffusion-Weighted Magnetic Resonance Imaging Data. *Journal of the American Statistical Association*, **2007**, 102, 1085-1102	2.8	49
208	UNC-Utah NA-MIC framework for DTI fiber tract analysis. *Frontiers in Neuroinformatics*, **2014**, 7, 51	3.9	45
207	TIMER: tensor image morphing for elastic registration. *NeuroImage*, **2009**, 47, 549-63	7.9	45
206	Clinical application of SPHARM-PDM to quantify temporomandibular joint osteoarthritis. *Computerized Medical Imaging and Graphics*, **2011**, 35, 345-52	7.6	44
205	Bayesian Generalized Low Rank Regression Models for Neuroimaging Phenotypes and Genetic Markers. *Journal of the American Statistical Association*, **2014**, 109, 977-990	2.8	43
204	Cortical thickness and surface area in neonates at high risk for schizophrenia. *Brain Structure and Function*, **2016**, 221, 447-61	4	42
203	Increased number of subcortical hyperintensities on MRI in children and adolescents with Tourette syndrome, obsessive-compulsive disorder, and attention deficit hyperactivity disorder. *American Journal of Psychiatry*, **2006**, 163, 1106-8	11.9	42
202	Autologistic regression model for the distribution of vegetation. *Journal of Agricultural, Biological, and Environmental Statistics*, **2003**, 8, 205-222	1.9	42
201	Characteristics of magnetic resonance imaging biomarkers in a natural history study of golden retriever muscular dystrophy. *Neuromuscular Disorders*, **2014**, 24, 178-91	2.9	41
200	A slice of pi : an exploratory neuroimaging study of digit encoding and retrieval in a superior memorist. *Neurocase*, **2009**, 15, 361-72	0.8	41
199	Accuracy and landmark error calculation using cone-beam computed tomography-generated cephalograms. *Angle Orthodontist*, **2010**, 80, 286-94	2.6	40
198	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	11.5	39
197	Defining the ischemic penumbra using magnetic resonance oxygen metabolic index. *Stroke*, **2015**, 46, 982-8	6.7	39
196	Adolescent alcohol exposure decreases frontostriatal resting-state functional connectivity in adulthood. *Addiction Biology*, **2018**, 23, 810-823	4.6	39
195	The role of endogenous IFN- in the regulation of Th17 responses in patients with relapsing-remitting multiple sclerosis. *Journal of Immunology*, **2014**, 192, 5610-7	5.3	39
194	Diffusion tensor imaging-based characterization of brain neurodevelopment in primates. *Cerebral Cortex*, **2013**, 23, 36-48	5.1	39

193	Intrinsic Regression Models for Positive-Definite Matrices With Applications to Diffusion Tensor Imaging. *Journal of the American Statistical Association*, **2009**, 104, 1203-1212	2.8	39
192	Mapping population-based structural connectomes. *NeuroImage*, **2018**, 172, 130-145	7.9	38
191	Bayesian case influence diagnostics for survival models. *Biometrics*, **2009**, 65, 116-24	1.8	38
190	ARFI imaging for noninvasive material characterization of atherosclerosis. Part II: toward in vivo characterization. *Ultrasound in Medicine and Biology*, **2009**, 35, 278-95	3.5	38
189	Generalized Scalar-on-Image Regression Models via Total Variation. *Journal of the American Statistical Association*, **2017**, 112, 1156-1168	2.8	37
188	Antenatal depression, treatment with selective serotonin reuptake inhibitors, and neonatal brain structure: A propensity-matched cohort study. *Psychiatry Research - Neuroimaging*, **2016**, 253, 43-53	2.9	37
187	Regression Models for Identifying Noise Sources in Magnetic Resonance Images. *Journal of the American Statistical Association*, **2009**, 104, 623-637	2.8	36
186	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	15.1	35
185	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	2.8	35
184	Outcome quantification using SPHARM-PDM toolbox in orthognathic surgery. *International Journal of Computer Assisted Radiology and Surgery*, **2011**, 6, 617-26	3.9	35
183	Urban air pollution targets the dorsal vagal complex and dark chocolate offers neuroprotection. *International Journal of Toxicology*, **2010**, 29, 604-15	2.4	35
182	Quantitative tract-based white matter heritability in twin neonates. *NeuroImage*, **2015**, 111, 123-35	7.9	34
181	Bayesian influence analysis: a geometric approach. *Biometrika*, **2011**, 98, 307-323	2	33
180	Perceptual-motor skill learning in Gilles de la Tourette syndrome. Evidence for multiple procedural learning and memory systems. *Neuropsychologia*, **2005**, 43, 1456-65	3.2	33
179	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	8.4	33
178	Cortisol levels and hippocampus volumes in healthy preadolescent children. *Biological Psychiatry*, **2006**, 60, 856-61	7.9	32
177	Local influence for generalized linear mixed models. *Canadian Journal of Statistics*, **2003**, 31, 293-309	0.4	32
176	FVGWAS: Fast voxelwise genome wide association analysis of large-scale imaging genetic data. *NeuroImage*, **2015**, 118, 613-27	7.9	31

175	Radiomic analysis in prediction of Human Papilloma Virus status. *Clinical and Translational Radiation Oncology*, **2017**, 7, 49-54	4.6	31
174	Bayesian lasso for semiparametric structural equation models. *Biometrics*, **2012**, 68, 567-77	1.8	30
173	Use of shape correspondence analysis to quantify skeletal changes associated with bone-anchored Class III correction. *Angle Orthodontist*, **2014**, 84, 329-36	2.6	30
172	Multiscale adaptive generalized estimating equations for longitudinal neuroimaging data. *NeuroImage*, **2013**, 72, 91-105	7.9	30
171	F-TIMER: fast tensor image morphing for elastic registration. *IEEE Transactions on Medical Imaging*, **2010**, 29, 1192-203	11.7	28
170	A statistical analysis of brain morphology using wild bootstrapping. *IEEE Transactions on Medical Imaging*, **2007**, 26, 954-66	11.7	28
169	VARIABLE SELECTION FOR REGRESSION MODELS WITH MISSING DATA. *Statistica Sinica*, **2010**, 20, 149-165	7	28
168	Extrinsic local regression on manifold-valued data. *Journal of the American Statistical Association*, **2017**, 112, 1261-1273	2.8	27
167	NBD delivery improves the disease phenotype of the golden retriever model of Duchenne muscular dystrophy. *Skeletal Muscle*, **2014**, 4, 18	5.1	27
166	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	1.7	27
165	FRATS: Functional Regression Analysis of DTI Tract Statistics. *IEEE Transactions on Medical Imaging*, **2010**, 29, 1039-49	11.7	27
164	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, 177-85	2.9	27
163	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, 818-30	2.1	26
162	3D tract-specific local and global analysis of white matter integrity in Alzheimer⊚ disease. *Human Brain Mapping*, **2017**, 38, 1191-1207	5.9	26
161	Tensor network factorizations: Relationships between brain structural connectomes and traits. *NeuroImage*, **2019**, 197, 330-343	7.9	25
160	FLCRM: Functional linear cox regression model. *Biometrics*, **2018**, 74, 109-117	1.8	25
159	FGWAS: Functional genome wide association analysis. *NeuroImage*, **2017**, 159, 107-121	7.9	25
158	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, 1302-12	5.9	25

157	The Bayesian Covariance Lasso. *Statistics and Its Interface*, **2013**, 6, 243-259	0.4	25
156	Characterizing genetic intra-tumor heterogeneity across 2,658 human cancer genomes		25
155	Machine Learning Applications in Head and Neck Radiation Oncology: Lessons From Open-Source Radiomics Challenges. *Frontiers in Oncology*, **2018**, 8, 294	5.3	23
154	Flavonol-rich dark cocoa significantly decreases plasma endothelin-1 and improves cognition in urban children. *Frontiers in Pharmacology*, **2013**, 4, 104	5.6	23
153	Tree-based disease classification using protein data. *Proteomics*, **2003**, 3, 1673-7	4.8	23
152	Empirical Likelihood for Estimating Equations with Nonignorably Missing Data. *Statistica Sinica*, **2014**, 24, 723-747	0.7	23
151	Bayesian Generalized Low Rank Regression Models for Neuroimaging Phenotypes and Genetic Markers. *Journal of the American Statistical Association*, **2014**, 109, 997-990	2.8	22
150	Fitting Nonlinear Ordinary Differential Equation Models with Random Effects and Unknown Initial Conditions Using the Stochastic Approximation Expectation-Maximization (SAEM) Algorithm. *Psychometrika*, **2016**, 81, 102-34	2.2	21
149	Bayesian influence measures for joint models for longitudinal and survival data. *Biometrics*, **2012**, 68, 954-64	1.8	21
148	Maximum likelihood from spatial random effects models via the stochastic approximation expectation maximization algorithm. *Statistics and Computing*, **2007**, 17, 163-177	1.8	21
147	A web-based system for neural network based classification in temporomandibular joint osteoarthritis. *Computerized Medical Imaging and Graphics*, **2018**, 67, 45-54	7.6	21
146	Localized differences in caudate and hippocampal shape are associated with schizophrenia but not antipsychotic type. *Psychiatry Research - Neuroimaging*, **2013**, 211, 1-10	2.9	20
145	Mapping the genetic variation of regional brain volumes as explained by all common SNPs from the ADNI study. *PLoS ONE*, **2013**, 8, e71723	3.7	20
144	Local influence for generalized linear models with missing covariates. *Biometrics*, **2009**, 65, 1164-74	1.8	20
143	MULTIVARIATE VARYING COEFFICIENT MODEL FOR FUNCTIONAL RESPONSES. *Annals of Statistics*, **2012**, 40, 2634-2666	3.2	20
142	STGP: Spatio-temporal Gaussian process models for longitudinal neuroimaging data. *NeuroImage*, **2016**, 134, 550-562	7.9	19
141	Quantile regression for functional partially linear model in ultra-high dimensions. *Computational Statistics and Data Analysis*, **2019**, 129, 135-147	1.6	19
140	BFLCRM: A BAYESIAN FUNCTIONAL LINEAR COX REGRESSION MODEL FOR PREDICTING TIME TO CONVERSION TO ALZHEIMERॶ DISEASE. *Annals of Applied Statistics*, **2015**, 9, 2153-2178	2.1	19

139	Hidden Markov latent variable models with multivariate longitudinal data. *Biometrics*, **2017**, 73, 313-323	1.8	18
138	Single-nucleotide polymorphisms are associated with cognitive decline at Alzheimer⍰ disease conversion within mild cognitive impairment patients. *Alzheimerls and Dementia: Diagnosis, Assessment and Disease Monitoring*, **2017**, 8, 86-95	5.2	18
137	Multiscale adaptive marginal analysis of longitudinal neuroimaging data with time-varying covariates. *Biometrics*, **2012**, 68, 1083-92	1.8	18
136	Common genetic variation influencing human white matter microstructure. *Science*, **2021**, 372,	33.3	18
135	FMEM: functional mixed effects modeling for the analysis of longitudinal white matter Tract data. *NeuroImage*, **2014**, 84, 753-64	7.9	17
134	The Statistics and Mathematics of High Dimension Low Sample Size Asymptotics. *Statistica Sinica*, **2016**, 26, 1747-1770	0.7	17
133	PERTURBATION AND SCALED COOK⍰ DISTANCE. *Annals of Statistics*, **2012**, 40, 785-811	3.2	17
132	Generalized score test of homogeneity for mixed effects models. *Annals of Statistics*, **2006**, 34, 1545	3.2	17
131	Ride-Hailing Order Dispatching at DiDi via Reinforcement Learning. *Interfaces*, **2020**, 50, 272-286	0.7	17
130	A Functional Varying-Coefficient Single-Index Model for Functional Response Data. *Journal of the American Statistical Association*, **2017**, 112, 1169-1181	2.8	16
129	Genetic influences on neonatal cortical thickness and surface area. *Human Brain Mapping*, **2018**, 39, 4998-5013	5.5	16
128	SGPP: spatial Gaussian predictive process models for neuroimaging data. *NeuroImage*, **2014**, 89, 70-80	7.9	16
127	ARFI ultrasound for in vivo hemostasis assessment postcardiac catheterization, part II: pilot clinical results. *Ultrasonic Imaging*, **2009**, 31, 159-71	1.9	16
126	Intra-city Differences in Cardiac Expression of Inflammatory Genes and Inflammasomes in Young Urbanites: A Pilot Study. *Journal of Toxicologic Pathology*, **2012**, 25, 163-73	1.4	16
125	A unified optimization approach for diffusion tensor imaging technique. *NeuroImage*, **2009**, 44, 729-41	7.9	16
124	Predicting Alzheimer⍰ Disease Using Combined Imaging-Whole Genome SNP Data. *Journal of Alzheimerls Disease*, **2015**, 46, 695-702	4.3	15
123	Variable selection in the cox regression model with covariates missing at random. *Biometrics*, **2010**, 66, 97-104	1.8	15
122	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	11.5	15

121	L2RM: Low-rank Linear Regression Models for High-dimensional Matrix Responses. *Journal of the American Statistical Association*, **2020**, 115, 403-424	2.8	15
120	Genome-wide mediation analysis of psychiatric and cognitive traits through imaging phenotypes. *Human Brain Mapping*, **2017**, 38, 4088-4097	5.9	14
119	Projection regression models for multivariate imaging phenotype. *Genetic Epidemiology*, **2012**, 36, 631-41.	1.6	14
118	Spatially Weighted Principal Component Analysis for Imaging Classification. *Journal of Computational and Graphical Statistics*, **2015**, 24, 274-296	1.4	13
117	TwinMARM: two-stage multiscale adaptive regression methods for twin neuroimaging data. *IEEE Transactions on Medical Imaging*, **2012**, 31, 1100-12	11.7	13
116	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	7.9	13
115	Diagnostic Measures for Generalized Linear Models with Missing Covariates. *Scandinavian Journal of Statistics*, **2009**, 36, 686-712	0.8	13
114	A Latent Variable Model of Segregation Analysis for Ordinal Traits. *Journal of the American Statistical Association*, **2003**, 98, 1023-1034	2.8	13
113	A Review of Statistical Methods in Imaging Genetics. *Canadian Journal of Statistics*, **2019**, 47, 108-131	0.4	12
112	The joint effect of aging and HIV infection on microstructure of white matter bundles. *Human Brain Mapping*, **2019**, 40, 4370-4380	5.9	12
111	Early changes of tissue perfusion after tissue plasminogen activator in hyperacute ischemic stroke. *Stroke*, **2011**, 42, 65-72	6.7	12
110	D-CCA: A Decomposition-based Canonical Correlation Analysis for High-Dimensional Datasets. *Journal of the American Statistical Association*, **2020**, 115, 292-306	2.8	12
109	Disentangling the effects of early caregiving experience and heritable factors on brain white matter development in rhesus monkeys. *NeuroImage*, **2019**, 197, 625-642	7.9	11
108	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, 129-35	2.2	11
107	Multiple SNP Set Analysis for Genome-Wide Association Studies Through Bayesian Latent Variable Selection. *Genetic Epidemiology*, **2015**, 39, 664-77	2.6	11
106	Clustering High-Dimensional Landmark-based Two-dimensional Shape Data. *Journal of the American Statistical Association*, **2015**, 110, 946-961	2.8	11
105	Environmental and genetic contributors to salivary testosterone levels in infants. *Frontiers in Endocrinology*, **2014**, 5, 187	5.7	11
104	Ferritin levels and their association with regional brain volumes in Tourette@ syndrome. *American Journal of Psychiatry*, **2006**, 163, 1264-72	11.9	11

103	A SPARSE REDUCED RANK FRAMEWORK FOR GROUP ANALYSIS OF FUNCTIONAL NEUROIMAGING DATA. *Statistica Sinica*, **2015**, 25, 295-312	0.7	11
102	Stability analysis of CT radiomic features with respect to segmentation variation in oropharyngeal cancer. *Clinical and Translational Radiation Oncology*, **2020**, 21, 11-18	4.6	11
101	Reinforced Angle-based Multicategory Support Vector Machines. *Journal of Computational and Graphical Statistics*, **2016**, 25, 806-825	1.4	10
100	Bayesian longitudinal low-rank regression models for imaging genetic data from longitudinal studies. *NeuroImage*, **2017**, 149, 305-322	7.9	10
99	Heritability of Regional Brain Volumes in Large-Scale Neuroimaging and Genetic Studies. *Cerebral Cortex*, **2019**, 29, 2904-2914	5.1	10
98	Clinically relevant reperfusion in acute ischemic stroke: MTT performs better than Tmax and TTP. *Translational Stroke Research*, **2014**, 5, 415-421	7.8	10
97	Bayesian Analysis of Ambulatory Blood Pressure Dynamics with Application to Irregularly Spaced Sparse Data. *Annals of Applied Statistics*, **2015**, 9, 1601-1620	2.1	10
96	Asymptotics for estimation and testing procedures under loss of identifiability. *Journal of Multivariate Analysis*, **2006**, 97, 19-45	1.4	10
95	A statistical framework for the classification of tensor morphologies in diffusion tensor images. *Magnetic Resonance Imaging*, **2006**, 24, 569-82	3.3	10
94	Diseased Region Detection of Longitudinal Knee Magnetic Resonance Imaging Data. *IEEE Transactions on Medical Imaging*, **2015**, 34, 1914-27	11.7	9
93	Nucleoside Diphosphate Kinase-3 () Enhances TLR5-Induced NFB Activation. *Molecular Cancer Research*, **2018**, 16, 986-999	6.6	9
92	Sensitivity Analysis of Deep Neural Networks. *Proceedings of the AAAI Conference on Artificial Intelligence*, **2019**, 33, 4943-4950	5	9
91	Groupwise envelope models for imaging genetic analysis. *Biometrics*, **2017**, 73, 1243-1253	1.8	9
90	Bayesian local influence for survival models. *Lifetime Data Analysis*, **2011**, 17, 43-70	1.3	9
89	Bayesian Case Influence Measures for Statistical Models with Missing Data. *Journal of Computational and Graphical Statistics*, **2012**, 21, 253-271	1.4	9
88	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, 1506-14	11.7	9
87	Multivariate longitudinal shape analysis of human lateral ventricles during the first twenty-four months of life. *PLoS ONE*, **2014**, 9, e108306	3.7	9
86	Bayesian Sensitivity Analysis of a Nonlinear Dynamic Factor Analysis Model with Nonparametric Prior and Possible Nonignorable Missingness. *Psychometrika*, **2017**, 82, 875-903	2.2	8

85	SPReM: Sparse Projection Regression Model For High-dimensional Linear Regression. *Journal of the American Statistical Association*, **2015**, 110, 289-302	2.8	8
84	Diagnostic Measures for the Cox Regression Model with Missing Covariates. *Biometrika*, **2015**, 102, 907-923	2	8
83	Reperfusion Beyond 6 Hours Reduces Infarct Probability in Moderately Ischemic Brain Tissue. *Stroke*, **2016**, 47, 99-105	6.7	8
82	Adjusted exponentially tilted likelihood with applications to brain morphology. *Biometrics*, **2009**, 65, 919-27	1.8	8
81	Bayesian hidden Markov models for delineating the pathology of Alzheimer's disease. *Statistical Methods in Medical Research*, **2019**, 28, 2112-2124	2.3	8
80	TPRM: TENSOR PARTITION REGRESSION MODELS WITH APPLICATIONS IN IMAGING BIOMARKER DETECTION. *Annals of Applied Statistics*, **2018**, 12, 1422-1450	2.1	8
79	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	1.6	7
78	Structured Genome-Wide Association Studies with Bayesian Hierarchical Variable Selection. *Genetics*, **2019**, 212, 397-415	4	7
77	ARFI ultrasound monitoring of hemorrhage and hemostasis in vivo in canine von Willebrand disease and hemophilia. *Ultrasound in Medicine and Biology*, **2011**, 37, 2126-32	3.5	7
76	Bayesian Sensitivity Analysis of Statistical Models with Missing Data. *Statistica Sinica*, **2014**, 24, 871-896	0.7	7
75	Single-index varying coefficient model for functional responses. *Biometrics*, **2016**, 72, 1275-1284	1.8	7
74	Real-world ride-hailing vehicle repositioning using deep reinforcement learning. *Transportation Research Part C: Emerging Technologies*, **2021**, 130, 103289	8.4	7
73	Functional-mixed effects models for candidate genetic mapping in imaging genetic studies. *Genetic Epidemiology*, **2014**, 38, 680-91	2.6	6
72	Bayesian spatial transformation models with applications in neuroimaging data. *Biometrics*, **2013**, 69, 1074-83	1.8	6
71	VARYING COEFFICIENT MODEL FOR MODELING DIFFUSION TENSORS ALONG WHITE MATTER TRACTS. *Annals of Applied Statistics*, **2013**, 7, 102-125	2.1	6
70	TWO-STAGE EMPIRICAL LIKELIHOOD FOR LONGITUDINAL NEUROIMAGING DATA. *Annals of Applied Statistics*, **2011**, 5, 1132-1158	2.1	6
69	Robust estimation and design procedures for the random effects model. *Canadian Journal of Statistics*, **2003**, 31, 99-110	0.4	6
68	Autologistic regression model for the distribution of vegetation **2003**, 8, 205		6

67	Multivariate varying coefficient models for DTI tract statistics. *Lecture Notes in Computer Science*, **2010**, 13, 690-7	0.9	6
66	Bayesian Scalar on Image Regression With Nonignorable Nonresponse. *Journal of the American Statistical Association*, **2020**, 115, 1574-1597	2.8	6
65	Bayesian adaptive group lasso with semiparametric hidden Markov models. *Statistics in Medicine*, **2019**, 38, 1634-1650	2.3	6
64	Quantitative tract-based white matter heritability in 1- and 2-year-old twins. *Human Brain Mapping*, **2019**, 40, 1164-1173	5.9	6
63	Influence analysis for skew-normal semiparametric joint models of multivariate longitudinal and multivariate survival data. *Statistics in Medicine*, **2017**, 36, 1476-1490	2.3	5
62	Efficient Robust Estimation for Linear Models with Missing Response at Random. *Scandinavian Journal of Statistics*, **2018**, 45, 366-381	0.8	5
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60	Genome-wide association analysis of secondary imaging phenotypes from the Alzheimer⬭ disease neuroimaging initiative study. *NeuroImage*, **2017**, 146, 983-1002	7.9	5
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