Anqi Qiu

List of Publications by Year in Descending Order

172 papers	5,203 citations	42 h-index	65 g-index
180 ext. papers	6,173 ext. citations	5.9 avg, IF	5.65 L-index

#	Paper	IF	Citations
172	Spatio-temporal directed acyclic graph learning with attention mechanisms on brain functional time series and connectivity.. *Medical Image Analysis*, **2022**, 77, 102370	15.4	2
171	Predicting diagnosis 4 years prior to Alzheimer's disease incident.. *NeuroImage: Clinical*, **2022**, 34, 102993	3.3	3
170	Structure-function coupling within the reward network in preschool children predicts executive functioning in later childhood.. *Developmental Cognitive Neuroscience*, **2022**, 55, 101107	5.5	
169	Integrated structural and functional atlases of Asian children from infancy to childhood. *NeuroImage*, **2021**, 245, 118716	7.9	1
168	Neonatal brain and physiological reactivity in preschoolers: An initial investigation in an Asian sample. *Journal of Psychiatric Research*, **2021**, 146, 219-219	5.2	
167	Line Scan Spatial Speckle Contrast Imaging and Its Application in Blood Flow Imaging. *Applied Sciences (Switzerland)*, **2021**, 11, 10969	2.6	
166	Common functional brain networks between attention deficit and disruptive behaviors in youth. *NeuroImage*, **2021**, 245, 118732	7.9	0
165	Canonical TGF- signaling regulates the relationship between prenatal maternal depression and amygdala development in early life. *Translational Psychiatry*, **2021**, 11, 170	8.6	3
164	Spatial correlation maps of the hippocampus with cerebrospinal fluid biomarkers and cognition in Alzheimer's disease: A longitudinal study. *Human Brain Mapping*, **2021**, 42, 2931-2940	5.9	2
163	Fast vertex-based graph convolutional neural network and its application to brain images. *Neurocomputing*, **2021**, 434, 1-10	5.4	1
162	Maternal Adverse Childhood Experience and Depression in Relation with Brain Network Development and Behaviors in Children: A Longitudinal Study. *Cerebral Cortex*, **2021**, 31, 4233-4244	5.1	3
161	Left lateralization of neonatal caudate microstructure affects emerging language development at 24 months. *European Journal of Neuroscience*, **2021**, 54, 4621-4637	3.5	1
160	Inflammatory modulation of the associations between prenatal maternal depression and neonatal brain. *Neuropsychopharmacology*, **2021**, 46, 470-477	8.7	4
159	Spatio-temporal correlates of gene expression and cortical morphology across lifespan and aging. *NeuroImage*, **2021**, 224, 117426	7.9	1
158	Association of increased abdominal adiposity at birth with altered ventral caudate microstructure. *International Journal of Obesity*, **2021**, 45, 2396-2403	5.5	
157	Centering inclusivity in the design of online conferences-An OHBM-Open Science perspective. *GigaScience*, **2021**, 10,	7.6	4
156	Revisiting convolutional neural network on graphs with polynomial approximations of Laplace-Beltrami spectral filtering.. *Neural Computing and Applications*, **2021**, 33, 13693-13704	4.8	3

155	Optical breast atlas as a testbed for image reconstruction in optical mammography. *Scientific Data*, **2021**, 8, 257	8.2	
154	Fast mesh data augmentation via Chebyshev polynomial of spectral filtering. *Neural Networks*, **2021**, 143, 198-208	9.1	1
153	Caffeine intake and cognitive functions in children. *Psychopharmacology*, **2020**, 237, 3109-3116	4.7	5
152	Parental and social factors in relation to child psychopathology, behavior, and cognitive function. *Translational Psychiatry*, **2020**, 10, 80	8.6	5
151	Maternal antenatal anxiety and electrophysiological functioning amongst a sub-set of preschoolers participating in the GUSTO cohort. *BMC Psychiatry*, **2020**, 20, 62	4.2	2
150	Quantification of regional myocardial mean intracellular water lifetime: A nonhuman primate study in myocardial stress. *NMR in Biomedicine*, **2020**, 33, e4248	4.4	3
149	Fast Polynomial Approximation of Heat Kernel Convolution on Manifolds and Its Application to Brain Sulcal and Gyral Graph Pattern Analysis. *IEEE Transactions on Medical Imaging*, **2020**, 39, 2201-2212	11.7	12
148	Mitigation of a Prospective Association Between Early Language Delay at Toddlerhood and ADHD Among Bilingual Preschoolers: Evidence from the GUSTO Cohort. *Journal of Abnormal Child Psychology*, **2020**, 48, 511-523	4	4
147	Neural Transcription Correlates of Multimodal Cortical Phenotypes during Development. *Cerebral Cortex*, **2020**, 30, 2740-2754	5.1	3
146	Child brain growth standard: age and ethnicity dependent. *Science Bulletin*, **2020**, 65, 1874-1875	10.6	2
145	Do intrinsic brain functional networks predict working memory from childhood to adulthood?. *Human Brain Mapping*, **2020**, 41, 4574-4586	5.9	4
144	Maternal sensitivity during infancy and the regulation of startle in preschoolers. *Attachment and Human Development*, **2020**, 22, 207-224	2.8	8
143	Sex-Dependent Associations among Maternal Depressive Symptoms, Child Reward Network, and Behaviors in Early Childhood. *Cerebral Cortex*, **2020**, 30, 901-912	5.1	8
142	Brain Magnetic Resonance Imaging Characteristics of Anti-Leucine-Rich Glioma-Inactivated 1 Encephalitis and Their Clinical Relevance: A Single-Center Study in China. *Frontiers in Neurology*, **2020**, 11, 618109	4.1	0
141	Long-term Influences of Prenatal Maternal Depressive Symptoms on the Amygdala-Prefrontal Circuitry of the Offspring From Birth to Early Childhood. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2019**, 4, 940-947	3.4	9
140	Maternal sensitivity predicts anterior hippocampal functional networks in early childhood. *Brain Structure and Function*, **2019**, 224, 1885-1895	4	14
139	Neonatal amygdalae and hippocampi are influenced by genotype and prenatal environment, and reflected in the neonatal DNA methylome. *Genes, Brain and Behavior*, **2019**, 18, e12576	3.6	11
138	Cortical graph neural network for AD and MCI diagnosis and transfer learning across populations. *NeuroImage: Clinical*, **2019**, 23, 101929	5.3	32

137	An initial investigation of neonatal neuroanatomy, caregiving, and levels of disorganized behavior. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 16787-16792	11.5	11
136	Maternal care in infancy and the course of limbic development. *Developmental Cognitive Neuroscience*, **2019**, 40, 100714	5.5	14
135	Fast Polynomial Approximation to Heat Diffusion in Manifolds. *Lecture Notes in Computer Science*, **2019**, 48-56	0.9	
134	Maternal Anxiety, Parenting Stress, and PreschoolersÙBehavior Problems: The Role of Child Self-Regulation. *Journal of Developmental and Behavioral Pediatrics*, **2019**, 40, 696-705	2.4	11
133	Functional and structural networks of lateral and medial orbitofrontal cortex as potential neural pathways for depression in childhood. *Depression and Anxiety*, **2019**, 36, 365-374	8.4	8
132	Fronto-parietal numerical networks in relation with early numeracy in young children. *Brain Structure and Function*, **2019**, 224, 263-275	4	2
131	A review on neuroimaging studies of genetic and environmental influences on early brain development. *NeuroImage*, **2019**, 185, 802-812	7.9	26
130	Improving mass-univariate analysis of neuroimaging data by modelling important unknown covariates: Application to Epigenome-Wide Association Studies. *NeuroImage*, **2018**, 173, 57-71	7.9	3
129	Greater caregiving risk, better infant memory performance?. *Hippocampus*, **2018**, 28, 497-511	3.5	12
128	Functional connectivity of resting-state, working memory and inhibition networks in perceived stress. *Neurobiology of Stress*, **2018**, 8, 186-201	7.6	8
127	FKBP5 Moderates the Association between Antenatal Maternal Depressive Symptoms and Neonatal Brain Morphology. *Neuropsychopharmacology*, **2018**, 43, 564-570	8.7	30
126	Trade-off of cerebello-cortical and cortico-cortical functional networks for planning in 6-year-old children. *NeuroImage*, **2018**, 176, 510-517	7.9	3
125	Cerebellar development and its mediation role in cognitive planning in childhood. *Human Brain Mapping*, **2018**, 39, 5074-5084	5.9	5
124	Perinatal maternal depressive symptoms alter amygdala functional connectivity in girls. *Human Brain Mapping*, **2018**, 39, 680-690	5.9	45
123	Automated quality assessment of structural magnetic resonance images in children: Comparison with visual inspection and surface-based reconstruction. *Human Brain Mapping*, **2018**, 39, 1218-1231	5.9	31
122	Behavioral Heterogeneity in Relation with Brain Functional Networks in Young Children. *Cerebral Cortex*, **2018**, 28, 3322-3331	5.1	9
121	Working memory, age and education: A lifespan fMRI study. *PLoS ONE*, **2018**, 13, e0194878	3.7	19
120	Multiscale Frame-Based Kernels for Large Deformation Diffeomorphic Metric Mapping. *IEEE Transactions on Medical Imaging*, **2018**, 37, 2344-2355	11.7	3

119	Infant night sleep trajectory from age 3-24 months: evidence from the Singapore GUSTO study. *Sleep Medicine*, **2017**, 33, 82-84	4.6	5
118	Effects of Antenatal Maternal Depressive Symptoms and Socio-Economic Status on Neonatal Brain Development are Modulated by Genetic Risk. *Cerebral Cortex*, **2017**, 27, 3080-3092	5.1	67
117	A posterior-to-anterior shift of brain functional dynamics in aging. *Brain Structure and Function*, **2017**, 222, 3665-3676	4	18
116	The influence of CHRNA4, COMT, and maternal sensitivity on orienting and executive attention in 6-month-old infants. *Brain and Cognition*, **2017**, 116, 17-28	2.7	7
115	Asynchronous Development of Cerebellar, Cerebello-Cortical, and Cortico-Cortical Functional Networks in Infancy, Childhood, and Adulthood. *Cerebral Cortex*, **2017**, 27, 5170-5184	5.1	12
114	Analysis of Item-Level Bias in the Bayley-III Language Subscales: The Validity and Utility of Standardized Language Assessment in a Multilingual Setting. *Journal of Speech, Language, and Hearing Research*, **2017**, 60, 2663-2671	2.8	14
113	Neonatal neural networks predict children behavioral profiles later in life. *Human Brain Mapping*, **2017**, 38, 1362-1373	5.9	20
112	Psychiatric polygenic risk associates with cortical morphology and functional organization in aging. *Translational Psychiatry*, **2017**, 7, 1276	8.6	2
111	A Set-Based Mixed Effect Model for Gene-Environment Interaction and Its Application to Neuroimaging Phenotypes. *Frontiers in Neuroscience*, **2017**, 11, 191	5.1	10
110	ANXIETY AND DEPRESSION DURING PREGNANCY AND TEMPERAMENT IN EARLY INFANCY: FINDINGS FROM A MULTI-ETHNIC, ASIAN, PROSPECTIVE BIRTH COHORT STUDY. *Infant Mental Health Journal*, **2016**, 37, 584-98	2.3	19
109	Large Deformation Multiresolution Diffeomorphic Metric Mapping for Multiresolution Cortical Surfaces: A Coarse-to-Fine Approach. *IEEE Transactions on Image Processing*, **2016**, 25, 4061-74	8.7	26
108	A Comprehensive Analysis of Connectivity and Aging Over the Adult Life Span. *Brain Connectivity*, **2016**, 6, 169-85	2.7	21
107	Cognition. *World Review of Nutrition and Dietetics*, **2016**, 114, 66-83	0.2	1
106	Distinct Aging Effects on Functional Networks in Good and Poor Cognitive Performers. *Frontiers in Aging Neuroscience*, **2016**, 8, 215	5.3	12
105	Cerebellar Functional Parcellation Using Sparse Dictionary Learning Clustering. *Frontiers in Neuroscience*, **2016**, 10, 188	5.1	12
104	Singaporean Mothers' Perception of Their Three-year-old Child's Weight Status: A Cross-Sectional Study. *PLoS ONE*, **2016**, 11, e0147563	3.7	8
103	Pre- and Post-Natal Maternal Depressive Symptoms in Relation with Infant Frontal Function, Connectivity, and Behaviors. *PLoS ONE*, **2016**, 11, e0152991	3.7	42
102	The Influence of Gestational Diabetes on Neurodevelopment of Children in the First Two Years of Life: A Prospective Study. *PLoS ONE*, **2016**, 11, e0162113	3.7	29

101	Modulative effects of COMT haplotype on age-related associations with brain morphology. *Human Brain Mapping*, **2016**, 37, 2068-82	5.9	10
100	Manifold learning on brain functional networks in aging. *Medical Image Analysis*, **2015**, 20, 52-60	15.4	37
99	Brain-derived neurotrophic factor (BDNF) Val66Met polymorphism influences the association of the methylome with maternal anxiety and neonatal brain volumes. *Development and Psychopathology*, **2015**, 27, 137-50	4.3	57
98	Unified heat kernel regression for diffusion, kernel smoothing and wavelets on manifolds and its application to mandible growth modeling in CT images. *Medical Image Analysis*, **2015**, 22, 63-76	15.4	35
97	The impact of genome wide supported microRNA-137 (MIR137) risk variants on frontal and striatal white matter integrity, neurocognitive functioning, and negative symptoms in schizophrenia. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, **2015**, 168B, 317-26	3.5	36
96	COMT haplotypes modulate associations of antenatal maternal anxiety and neonatal cortical morphology. *American Journal of Psychiatry*, **2015**, 172, 163-72	11.9	68
95	Antenatal maternal anxiety predicts variations in neural structures implicated in anxiety disorders in newborns. *Journal of the American Academy of Child and Adolescent Psychiatry*, **2015**, 54, 313-21.e2	7.2	77
94	Maternal PUFA status and offspring allergic diseases up to the age of 18 months. *British Journal of Nutrition*, **2015**, 113, 975-83	3.6	14
93	Looking Behavior at Test and Relational Memory in 6-Month-Old Infants. *Infancy*, **2015**, 20, 18-41	2.4	6
92	Individualized diffeomorphic mapping of brains with large cortical infarcts. *Magnetic Resonance Imaging*, **2015**, 33, 110-23	3.3	2
91	Maternal sensitivity, infant limbic structure volume and functional connectivity: a preliminary study. *Translational Psychiatry*, **2015**, 5, e668	8.6	54
90	Eye size and shape in newborn children and their relation to axial length and refraction at 3 years. *Ophthalmic and Physiological Optics*, **2015**, 35, 414-23	4.1	12
89	Association of Maternal Vitamin D Status with Glucose Tolerance and Caesarean Section in a Multi-Ethnic Asian Cohort: The Growing Up in Singapore Towards Healthy Outcomes Study. *PLoS ONE*, **2015**, 10, e0142239	3.7	33
88	Prenatal maternal depression alters amygdala functional connectivity in 6-month-old infants. *Translational Psychiatry*, **2015**, 5, e508	8.6	158
87	Developmental synchrony of thalamocortical circuits in the neonatal brain. *NeuroImage*, **2015**, 116, 168-76	7.9	12
86	Spectral Laplace-Beltrami wavelets with applications in medical images. *IEEE Transactions on Medical Imaging*, **2015**, 34, 1005-17	11.7	29
85	Infant feeding effects on early neurocognitive development in Asian children. *American Journal of Clinical Nutrition*, **2015**, 101, 326-36	7	38
84	Diffusion tensor imaging for understanding brain development in early life. *Annual Review of Psychology*, **2015**, 66, 853-76	26.1	129

83	Adaptation of brain functional and structural networks in aging. *PLoS ONE*, **2015**, 10, e0123462	3.7	20
82	Multiresolution Diffeomorphic Mapping for Cortical Surfaces. *Lecture Notes in Computer Science*, **2015**, 24, 315-26	0.9	0
81	Multi-label segmentation of white matter structures: application to neonatal brains. *NeuroImage*, **2014**, 102 Pt 2, 913-22	7.9	16
80	Abnormalities of cortical thickness, subcortical shapes, and white matter integrity in subcortical vascular cognitive impairment. *Human Brain Mapping*, **2014**, 35, 2320-32	5.9	30
79	Geodesic regression on orientation distribution functions with its application to an aging study. *NeuroImage*, **2014**, 87, 416-26	7.9	12
78	Functional networks in parallel with cortical development associate with executive functions in children. *Cerebral Cortex*, **2014**, 24, 1937-47	5.1	28
77	Gestational age and neonatal brain microstructure in term born infants: a birth cohort study. *PLoS ONE*, **2014**, 9, e115229	3.7	21
76	Ethnic differences translate to inadequacy of high-risk screening for gestational diabetes mellitus in an Asian population: a cohort study. *BMC Pregnancy and Childbirth*, **2014**, 14, 345	3.2	44
75	Diffeomorphic metric mapping and probabilistic atlas generation of hybrid diffusion imaging based on BFOR signal basis. *Medical Image Analysis*, **2014**, 18, 1002-14	15.4	4
74	Cohort profile: Growing Up in Singapore Towards healthy Outcomes (GUSTO) birth cohort study. *International Journal of Epidemiology*, **2014**, 43, 1401-9	7.8	278
73	Relationships of maternal folate and vitamin B12 status during pregnancy with perinatal depression: The GUSTO study. *Journal of Psychiatric Research*, **2014**, 55, 110-6	5.2	84
72	Emotional expressions in voice and music: same code, same effect?. *Human Brain Mapping*, **2013**, 34, 1796-810	5.9	50
71	Evolution of hippocampal shapes across the human lifespan. *Human Brain Mapping*, **2013**, 34, 3075-85	5.9	34
70	The NeuroAiD II (MLC901) in vascular cognitive impairment study (NEURITES). *Cerebrovascular Diseases*, **2013**, 35 Suppl 1, 23-9	3.2	11
69	Prenatal maternal depression associates with microstructure of right amygdala in neonates at birth. *Biological Psychiatry*, **2013**, 74, 837-44	7.9	173
68	Structural connectivity asymmetry in the neonatal brain. *NeuroImage*, **2013**, 75, 187-194	7.9	73
67	Less depressive symptoms are associated with smaller hippocampus in subjective memory impairment. *Archives of Gerontology and Geriatrics*, **2013**, 57, 110-5	4	19
66	Morphology and microstructure of subcortical structures at birth: a large-scale Asian neonatal neuroimaging study. *NeuroImage*, **2013**, 65, 315-23	7.9	24

65	Association of silent lacunar infarct with brain atrophy and cognitive impairment. *Journal of Neurology, Neurosurgery and Psychiatry*, **2013**, 84, 1219-25	5.5	41
64	Prevalence of cognitive impairment in Chinese: epidemiology of dementia in Singapore study. *Journal of Neurology, Neurosurgery and Psychiatry*, **2013**, 84, 686-92	5.5	63
63	Distribution and determinants of eye size and shape in newborn children: a magnetic resonance imaging analysis **2013**, 54, 4791-7		12
62	Amygdala-hippocampal shape and cortical thickness abnormalities in first-episode schizophrenia and mania. *Psychological Medicine*, **2013**, 43, 1353-63	6.9	29
61	Age-related decline in associative learning in healthy Chinese adults. *PLoS ONE*, **2013**, 8, e80648	3.7	21
60	Effects of the neurogranin variant rs12807809 on thalamocortical morphology in schizophrenia. *PLoS ONE*, **2013**, 8, e85603	3.7	14
59	Diffeomorphic metric mapping of hybrid diffusion imaging based on BFOR signal basis. *Lecture Notes in Computer Science*, **2013**, 23, 147-58	0.9	1
58	Bayesian Atlas Estimation from High Angular Resolution Diffusion Imaging (HARDI). *Lecture Notes in Computer Science*, **2013**, 149-157	0.9	1
57	Principal component based diffeomorphic surface mapping. *IEEE Transactions on Medical Imaging*, **2012**, 31, 302-11	11.7	25
56	Diffeomorphic metric mapping of high angular resolution diffusion imaging based on Riemannian structure of orientation distribution functions. *IEEE Transactions on Medical Imaging*, **2012**, 31, 1021-33	11.7	26
55	Inattention and hyperactivity predict alterations in specific neural circuits among 6-year-old boys. *Journal of the American Academy of Child and Adolescent Psychiatry*, **2012**, 51, 632-41	7.2	9
54	Atlas-based automatic mouse brain image segmentation revisited: model complexity vs. image registration. *Magnetic Resonance Imaging*, **2012**, 30, 789-98	3.3	47
53	Birth weight and gestation influence striatal morphology and motor response in normal six-year-old boys. *NeuroImage*, **2012**, 59, 1065-70	7.9	11
52	Multi-stage segmentation of white matter hyperintensity, cortical and lacunar infarcts. *NeuroImage*, **2012**, 60, 2379-88	7.9	43
51	Arcuate fasciculus abnormalities and their relationship with psychotic symptoms in schizophrenia. *PLoS ONE*, **2012**, 7, e29315	3.7	34
50	CSF and brain structural imaging markers of the Alzheimer's pathological cascade. *PLoS ONE*, **2012**, 7, e47406	3.7	32
49	Population differences in brain morphology and microstructure among Chinese, Malay, and Indian neonates. *PLoS ONE*, **2012**, 7, e47816	3.7	39
48	Age-related vulnerabilities along the hippocampal longitudinal axis. *Human Brain Mapping*, **2012**, 33, 2415-27	5.9	36

47	Genome-wide supported psychosis risk variant in ZNF804A gene and impact on cortico-limbic WM integrity in schizophrenia. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, **2012**, 159B, 255-62	3.5	29
46	Topography of cortical thinning areas associated with hippocampal atrophy (HA) in patients with Alzheimer's disease (AD). *Archives of Gerontology and Geriatrics*, **2012**, 54, e122-9	4	7
45	Silent stroke: not listened to rather than silent. *Stroke*, **2012**, 43, 3102-4	6.7	43
44	Executive functions of six-year-old boys with normal birth weight and gestational age. *PLoS ONE*, **2012**, 7, e36502	3.7	25
43	Whole brain diffeomorphic metric mapping via integration of sulcal and gyral curves, cortical surfaces, and images. *NeuroImage*, **2011**, 56, 162-73	7.9	65
42	Locally Linear Diffeomorphic Metric Embedding (LLDME) for surface-based anatomical shape modeling. *NeuroImage*, **2011**, 56, 149-61	7.9	10
41	A multi-resolution scheme for distortion-minimizing mapping between human subcortical structures based on geodesic construction on Riemannian manifolds. *NeuroImage*, **2011**, 57, 1376-92	7.9	21
40	Variations in eye volume, surface area, and shape with refractive error in young children by magnetic resonance imaging analysis **2011**, 52, 8878-83		34
39	Regionally specific white matter disruptions of fornix and cingulum in schizophrenia. *PLoS ONE*, **2011**, 6, e18652	3.7	67
38	Robust automatic rodent brain extraction using 3-D pulse-coupled neural networks (PCNN). *IEEE Transactions on Image Processing*, **2011**, 20, 2554-64	8.7	73
37	Volume reduction in subcortical regions according to severity of Alzheimer's disease. *Journal of Neurology*, **2011**, 258, 1013-20	5.5	51
36	Neurocognitive-genetic and neuroimaging-genetic research paradigms in schizophrenia and bipolar disorder. *Journal of Neural Transmission*, **2011**, 118, 1621-39	4.3	22
35	Approximations of the diffeomorphic metric and their applications in shape learning. *Lecture Notes in Computer Science*, **2011**, 22, 257-70	0.9	8
34	Large deformation diffeomorphic metric mapping of orientation distribution functions. *Lecture Notes in Computer Science*, **2011**, 22, 448-62	0.9	9
33	Quantitative evaluation of LDDMM, FreeSurfer, and CARET for cortical surface mapping. *NeuroImage*, **2010**, 52, 131-41	7.9	47
32	Hippocampal-cortical structural connectivity disruptions in schizophrenia: an integrated perspective from hippocampal shape, cortical thickness, and integrity of white matter bundles. *NeuroImage*, **2010**, 52, 1181-9	7.9	57
31	Multi-manifold diffeomorphic metric mapping for aligning cortical hemispheric surfaces. *NeuroImage*, **2010**, 49, 355-65	7.9	41
30	Basal ganglia shapes predict social, communication, and motor dysfunctions in boys with autism spectrum disorder. *Journal of the American Academy of Child and Adolescent Psychiatry*, **2010**, 49, 539-51, 551.e1-4	7.2	86

29	Atlas generation for subcortical and ventricular structures with its applications in shape analysis. *IEEE Transactions on Image Processing*, **2010**, 19, 1539-47	8.7	40
28	Basal Ganglia Shapes Predict Social, Communication, and Motor Dysfunctions in Boys With Autism Spectrum Disorder. *Journal of the American Academy of Child and Adolescent Psychiatry*, **2010**, 49, 539-551e4	7.2	5
27	Surface-based analysis on shape and fractional anisotropy of white matter tracts in Alzheimer's disease. *PLoS ONE*, **2010**, 5, e9811	3.7	19
26	Basal ganglia volume and shape in children with attention deficit hyperactivity disorder. *American Journal of Psychiatry*, **2009**, 166, 74-82	11.9	180
25	Collaborative computational anatomy: an MRI morphometry study of the human brain via diffeomorphic metric mapping. *Human Brain Mapping*, **2009**, 30, 2132-41	5.9	40
24	APOE related hippocampal shape alteration in geriatric depression. *NeuroImage*, **2009**, 44, 620-6	7.9	59
23	Time sequence diffeomorphic metric mapping and parallel transport track time-dependent shape changes. *NeuroImage*, **2009**, 45, S51-60	7.9	43
22	The emerging discipline of Computational Functional Anatomy. *NeuroImage*, **2009**, 45, S16-39	7.9	60
21	Regional shape abnormalities in mild cognitive impairment and Alzheimer's disease. *NeuroImage*, **2009**, 45, 656-61	7.9	127
20	Spatial and temporal reproducibility-based ranking of the independent components of BOLD fMRI data. *NeuroImage*, **2009**, 46, 1041-54	7.9	16
19	Combined analyses of thalamic volume, shape and white matter integrity in first-episode schizophrenia. *NeuroImage*, **2009**, 47, 1163-71	7.9	41
18	Neuroanatomical asymmetry patterns in individuals with schizophrenia and their non-psychotic siblings. *NeuroImage*, **2009**, 47, 1221-9	7.9	47
17	Intrinsic and extrinsic analysis in computational anatomy. *NeuroImage*, **2008**, 39, 1803-14	7.9	16
16	Parallel transport in diffeomorphisms distinguishes the time-dependent pattern of hippocampal surface deformation due to healthy aging and the dementia of the Alzheimer's type. *NeuroImage*, **2008**, 40, 68-76	7.9	72
15	Multi-structure network shape analysis via normal surface momentum maps. *NeuroImage*, **2008**, 42, 1430-8	7.9	81
14	Correction of B0 susceptibility induced distortion in diffusion-weighted images using large-deformation diffeomorphic metric mapping. *Magnetic Resonance Imaging*, **2008**, 26, 1294-302	3.3	72
13	Large Deformation Diffeomorphic Metric Curve Mapping. *International Journal of Computer Vision*, **2008**, 80, 317-336	10.6	133
12	Transport of Relational Structures in Groups of Diffeomorphisms. *Journal of Mathematical Imaging and Vision*, **2008**, 32, 41-56	1.6	42

11	Region-of-interest-based analysis with application of cortical thickness variation of left planum temporale in schizophrenia and psychotic bipolar disorder. *Human Brain Mapping*, **2008**, 29, 973-85	5.9	36
10	Abnormalities of cingulate gyrus neuroanatomy in schizophrenia. *Schizophrenia Research*, **2007**, 93, 66-78	3.6	57
9	Diffeomorphic metric surface mapping in subregion of the superior temporal gyrus. *NeuroImage*, **2007**, 34, 1149-59	7.9	79
8	Combining anatomical manifold information via diffeomorphic metric mappings for studying cortical thinning of the cingulate gyrus in schizophrenia. *NeuroImage*, **2007**, 37, 821-33	7.9	43
7	Cortical hemisphere registration via large deformation diffeomorphic metric curve mapping **2007**, 10, 186-93		18
6	Smooth functional and structural maps on the neocortex via orthonormal bases of the Laplace-Beltrami operator. *IEEE Transactions on Medical Imaging*, **2006**, 25, 1296-306	11.7	97
5	Estimating linear cortical magnification in human primary visual cortex via dynamic programming. *NeuroImage*, **2006**, 31, 125-38	7.9	55
4	Localizing Retinotopic fMRI Activation in Human Primary Visual Cortex via Dynamic Programming. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, **2005**, 2005, 1313-6		2
3	A stochastic model for studying the laminar structure of cortex from MRI. *IEEE Transactions on Medical Imaging*, **2005**, 24, 728-42	11.7	13
2	Gabor analysis of auditory midbrain receptive fields: spectro-temporal and binaural composition. *Journal of Neurophysiology*, **2003**, 90, 456-76	3.2	79
1	Multiple modeling in the study of interaction of hemodynamics and gas exchange. *Computers in Biology and Medicine*, **2001**, 31, 59-72	7	8