

# Anqi Qiu

## List of Publications by Year in descending order

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180  
papers

6,886  
citations

50170

46  
h-index

82410

72  
g-index

181  
all docs

181  
docs citations

181  
times ranked

8814  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cortical Development Mediates Association of Prenatal Maternal Depressive Symptoms and Child Reward Sensitivity: A Longitudinal Study. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2022, 61, 392-401.	0.3	9
2	Spatio-temporal directed acyclic graph learning with attention mechanisms on brain functional time series and connectivity. <i>Medical Image Analysis</i> , 2022, 77, 102370.	7.0	11
3	Predicting diagnosis 4 years prior to Alzheimer's disease incident. <i>NeuroImage: Clinical</i> , 2022, 34, 102993.	1.4	8
4	Structure-function coupling within the reward network in preschool children predicts executive functioning in later childhood. <i>Developmental Cognitive Neuroscience</i> , 2022, 55, 101107.	1.9	10
5	Chinese adult brain atlas with functional and white matter parcellation. <i>Scientific Data</i> , 2022, 9, .	2.4	1
6	Cognitive flexibility in preschoolers: A role for the late frontal negativity (LFN). <i>Cognitive Development</i> , 2022, 63, 101200.	0.7	2
7	Interindividual variability in functional connectivity discovers differential development of cognition and transdiagnostic dimensions of psychopathology in youth. <i>NeuroImage</i> , 2022, 260, 119482.	2.1	6
8	Inflammatory modulation of the associations between prenatal maternal depression and neonatal brain. <i>Neuropsychopharmacology</i> , 2021, 46, 470-477.	2.8	13
9	Spatio-temporal correlates of gene expression and cortical morphology across lifespan and aging. <i>NeuroImage</i> , 2021, 224, 117426.	2.1	8
10	Canonical TGF- $\beta$ 2 signaling regulates the relationship between prenatal maternal depression and amygdala development in early life. <i>Translational Psychiatry</i> , 2021, 11, 170.	2.4	13
11	Spatial correlation maps of the hippocampus with cerebrospinal fluid biomarkers and cognition in Alzheimer's disease: A longitudinal study. <i>Human Brain Mapping</i> , 2021, 42, 2931-2940.	1.9	7
12	Neonatal amygdala microstructure mediates the relationship between gestational glycemia and offspring adiposity. <i>BMJ Open Diabetes Research and Care</i> , 2021, 9, e001396.	1.2	3
13	Fast vertex-based graph convolutional neural network and its application to brain images. <i>Neurocomputing</i> , 2021, 434, 1-10.	3.5	3
14	Maternal Adverse Childhood Experience and Depression in Relation with Brain Network Development and Behaviors in Children: A Longitudinal Study. <i>Cerebral Cortex</i> , 2021, 31, 4233-4244.	1.6	8
15	Left lateralization of neonatal caudate microstructure affects emerging language development at 24 months. <i>European Journal of Neuroscience</i> , 2021, 54, 4621-4637.	1.2	3
16	Association of increased abdominal adiposity at birth with altered ventral caudate microstructure. <i>International Journal of Obesity</i> , 2021, 45, 2396-2403.	1.6	1
17	Centering inclusivity in the design of online conferences: An OHBM Open Science perspective. <i>GigaScience</i> , 2021, 10, .	3.3	14
18	Revisiting convolutional neural network on graphs with polynomial approximations of Laplace-Beltrami spectral filtering. <i>Neural Computing and Applications</i> , 2021, 33, 13693-13704.	3.2	7

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19	Optical breast atlas as a testbed for image reconstruction in optical mammography. <i>Scientific Data</i> , 2021, 8, 257.	2.4	1
20	Fast mesh data augmentation via Chebyshev polynomial of spectral filtering. <i>Neural Networks</i> , 2021, 143, 198-208.	3.3	8
21	Integrated structural and functional atlases of Asian children from infancy to childhood. <i>NeuroImage</i> , 2021, 245, 118716.	2.1	8
22	Neonatal brain and physiological reactivity in preschoolers: An initial investigation in an Asian sample. <i>Journal of Psychiatric Research</i> , 2021, 146, 219-219.	1.5	0
23	Line Scan Spatial Speckle Contrast Imaging and Its Application in Blood Flow Imaging. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10969.	1.3	3
24	Common functional brain networks between attention deficit and disruptive behaviors in youth. <i>NeuroImage</i> , 2021, 245, 118732.	2.1	5
25	Maternal sensitivity during infancy and the regulation of startle in preschoolers. <i>Attachment and Human Development</i> , 2020, 22, 207-224.	1.2	10
26	Sex-Dependent Associations among Maternal Depressive Symptoms, Child Reward Network, and Behaviors in Early Childhood. <i>Cerebral Cortex</i> , 2020, 30, 901-912.	1.6	13
27	Mitigation of a Prospective Association Between Early Language Delay at Toddlerhood and ADHD Among Bilingual Preschoolers: Evidence from the GUSTO Cohort. <i>Journal of Abnormal Child Psychology</i> , 2020, 48, 511-523.	3.5	5
28	Neural Transcription Correlates of Multimodal Cortical Phenotypes during Development. <i>Cerebral Cortex</i> , 2020, 30, 2740-2754.	1.6	4
29	Child brain growth standard: age and ethnicity dependent. <i>Science Bulletin</i> , 2020, 65, 1874-1875.	4.3	2
30	Do intrinsic brain functional networks predict working memory from childhood to adulthood?. <i>Human Brain Mapping</i> , 2020, 41, 4574-4586.	1.9	8
31	Caffeine intake and cognitive functions in children. <i>Psychopharmacology</i> , 2020, 237, 3109-3116.	1.5	12
32	Parental and social factors in relation to child psychopathology, behavior, and cognitive function. <i>Translational Psychiatry</i> , 2020, 10, 80.	2.4	29
33	Maternal antenatal anxiety and electrophysiological functioning amongst a sub-set of preschoolers participating in the GUSTO cohort. <i>BMC Psychiatry</i> , 2020, 20, 62.	1.1	3
34	Quantification of regional myocardial mean intracellular water lifetime: A nonhuman primate study in myocardial stress. <i>NMR in Biomedicine</i> , 2020, 33, e4248.	1.6	3
35	Fast Polynomial Approximation of Heat Kernel Convolution on Manifolds and Its Application to Brain Sulcal and Gyral Graph Pattern Analysis. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 2201-2212.	5.4	19
36	Brain Magnetic Resonance Imaging Characteristics of Anti-Leucine-Rich Glioma-Inactivated 1 Encephalitis and Their Clinical Relevance: A Single-Center Study in China. <i>Frontiers in Neurology</i> , 2020, 11, 618109.	1.1	8

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37	Cortical graph neural network for AD and MCI diagnosis and transfer learning across populations. <i>NeuroImage: Clinical</i> , 2019, 23, 101929.	1.4	75
38	An initial investigation of neonatal neuroanatomy, caregiving, and levels of disorganized behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16787-16792.	3.3	15
39	Maternal care in infancy and the course of limbic development. <i>Developmental Cognitive Neuroscience</i> , 2019, 40, 100714.	1.9	23
40	Long-term Influences of Prenatal Maternal Depressive Symptoms on the Amygdalaâ€“Prefrontal Circuitry of the Offspring From Birth to Early Childhood. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 940-947.	1.1	14
41	Maternal sensitivity predicts anterior hippocampal functional networks in early childhood. <i>Brain Structure and Function</i> , 2019, 224, 1885-1895.	1.2	24
42	Neonatal amygdalae and hippocampi are influenced by genotype and prenatal environment, and reflected in the neonatal DNA methylome. <i>Genes, Brain and Behavior</i> , 2019, 18, e12576.	1.1	14
43	Maternal Anxiety, Parenting Stress, and Preschoolers' Behavior Problems: The Role of Child Self-Regulation. <i>Journal of Developmental and Behavioral Pediatrics</i> , 2019, 40, 696-705.	0.6	22
44	Functional and structural networks of lateral and medial orbitofrontal cortex as potential neural pathways for depression in childhood. <i>Depression and Anxiety</i> , 2019, 36, 365-374.	2.0	16
45	Fronto-parietal numerical networks in relation with early numeracy in young children. <i>Brain Structure and Function</i> , 2019, 224, 263-275.	1.2	7
46	A review on neuroimaging studies of genetic and environmental influences on early brain development. <i>NeuroImage</i> , 2019, 185, 802-812.	2.1	42
47	Fast Polynomial Approximation to Heat Diffusion in Manifolds. <i>Lecture Notes in Computer Science</i> , 2019, , 48-56.	1.0	0
48	Improving mass-univariate analysis of neuroimaging data by modelling important unknown covariates: Application to Epigenome-Wide Association Studies. <i>NeuroImage</i> , 2018, 173, 57-71.	2.1	8
49	Greater caregiving risk, better infant memory performance?. <i>Hippocampus</i> , 2018, 28, 497-511.	0.9	17
50	Functional connectivity of resting-state, working memory and inhibition networks in perceived stress. <i>Neurobiology of Stress</i> , 2018, 8, 186-201.	1.9	13
51	FKBP5 Moderates the Association between Antenatal Maternal Depressive Symptoms and Neonatal Brain Morphology. <i>Neuropsychopharmacology</i> , 2018, 43, 564-570.	2.8	37
52	Perinatal maternal depressive symptoms alter amygdala functional connectivity in girls. <i>Human Brain Mapping</i> , 2018, 39, 680-690.	1.9	71
53	Automated quality assessment of structural magnetic resonance images in children: Comparison with visual inspection and surfaceâ€“based reconstruction. <i>Human Brain Mapping</i> , 2018, 39, 1218-1231.	1.9	51
54	Behavioral Heterogeneity in Relation with Brain Functional Networks in Young Children. <i>Cerebral Cortex</i> , 2018, 28, 3322-3331.	1.6	9

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55	Working memory, age and education: A lifespan fMRI study. PLoS ONE, 2018, 13, e0194878.	1.1	33
56	Multiscale Frame-Based Kernels for Large Deformation Diffeomorphic Metric Mapping. IEEE Transactions on Medical Imaging, 2018, 37, 2344-2355.	5.4	4
57	Trade-off of cerebello-cortical and cortico-cortical functional networks for planning in 6-year-old children. NeuroImage, 2018, 176, 510-517.	2.1	3
58	Cerebellar development and its mediation role in cognitive planning in childhood. Human Brain Mapping, 2018, 39, 5074-5084.	1.9	10
59	Asynchronous Development of Cerebellar, Cerebello-Cortical, and Cortico-Cortical Functional Networks in Infancy, Childhood, and Adulthood. Cerebral Cortex, 2017, 27, 5170-5184.	1.6	22
60	Infant night sleep trajectory from age 3 to 24 months: evidence from the Singapore GUSTO study. Sleep Medicine, 2017, 33, 82-84.	0.8	8
61	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.	1.6	90
62	A posterior-to-anterior shift of brain functional dynamics in aging. Brain Structure and Function, 2017, 222, 3665-3676.	1.2	34
63	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.	0.8	8
64	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.	0.7	18
65	Neonatal neural networks predict children behavioral profiles later in life. Human Brain Mapping, 2017, 38, 1362-1373.	1.9	32
66	Psychiatric polygenic risk associates with cortical morphology and functional organization in aging. Translational Psychiatry, 2017, 7, 1276.	2.4	8
67	A Set-Based Mixed Effect Model for Gene-Environment Interaction and Its Application to Neuroimaging Phenotypes. Frontiers in Neuroscience, 2017, 11, 191.	1.4	13
68	Distinct Aging Effects on Functional Networks in Good and Poor Cognitive Performers. Frontiers in Aging Neuroscience, 2016, 8, 215.	1.7	18
69	Cerebellar Functional Parcellation Using Sparse Dictionary Learning Clustering. Frontiers in Neuroscience, 2016, 10, 188.	1.4	22
70	Singaporean Mothers' Perception of Their Three-year-old Child's Weight Status: A Cross-Sectional Study. PLoS ONE, 2016, 11, e0147563.	1.1	16
71	Pre- and Post-Natal Maternal Depressive Symptoms in Relation with Infant Frontal Function, Connectivity, and Behaviors. PLoS ONE, 2016, 11, e0152991.	1.1	57
72	The Influence of Gestational Diabetes on Neurodevelopment of Children in the First Two Years of Life: A Prospective Study. PLoS ONE, 2016, 11, e0162113.	1.1	48

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73	Modulative effects of COMT haplotype on age-related associations with brain morphology. <i>Human Brain Mapping</i> , 2016, 37, 2068-2082.	1.9	10
74	ANXIETY AND DEPRESSION DURING PREGNANCY AND TEMPERAMENT IN EARLY INFANCY: FINDINGS FROM A MULTI-ETHNIC, ASIAN, PROSPECTIVE BIRTH COHORT STUDY. <i>Infant Mental Health Journal</i> , 2016, 37, 584-598.	0.7	26
75	Large Deformation Multiresolution Diffeomorphic Metric Mapping for Multiresolution Cortical Surfaces: A Coarse-to-Fine Approach. <i>IEEE Transactions on Image Processing</i> , 2016, 25, 4061-4074.	6.0	34
76	A Comprehensive Analysis of Connectivity and Aging Over the Adult Life Span. <i>Brain Connectivity</i> , 2016, 6, 169-185.	0.8	33
77	Cognition. <i>World Review of Nutrition and Dietetics</i> , 2016, 114, 66-83.	0.1	3
78	Maternal sensitivity, infant limbic structure volume and functional connectivity: a preliminary study. <i>Translational Psychiatry</i> , 2015, 5, e668-e668.	2.4	75
79	Eye size and shape in newborn children and their relation to axial length and refraction at 3 years. <i>Ophthalmic and Physiological Optics</i> , 2015, 35, 414-423.	1.0	20
80	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. <i>PLoS ONE</i> , 2015, 10, e0142239.	1.1	50
81	Prenatal maternal depression alters amygdala functional connectivity in 6-month-old infants. <i>Translational Psychiatry</i> , 2015, 5, e508-e508.	2.4	222
82	Developmental synchrony of thalamocortical circuits in the neonatal brain. <i>NeuroImage</i> , 2015, 116, 168-176.	2.1	16
83	Spectral Laplace-Beltrami Wavelets With Applications in Medical Images. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 1005-1017.	5.4	35
84	Infant feeding effects on early neurocognitive development in Asian children. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 326-336.	2.2	48
85	Diffusion Tensor Imaging for Understanding Brain Development in Early Life. <i>Annual Review of Psychology</i> , 2015, 66, 853-876.	9.9	177
86	Manifold learning on brain functional networks in aging. <i>Medical Image Analysis</i> , 2015, 20, 52-60.	7.0	57
87	Brain-derived neurotrophic factor (BDNF) Val66Met polymorphism influences the association of the methylome with maternal anxiety and neonatal brain volumes. <i>Development and Psychopathology</i> , 2015, 27, 137-150.	1.4	68
88	Unified heat kernel regression for diffusion, kernel smoothing and wavelets on manifolds and its application to mandible growth modeling in CT images. <i>Medical Image Analysis</i> , 2015, 22, 63-76.	7.0	47
89	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. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2015, 168, 317-326.	1.1	42
90	COMT Haplotypes Modulate Associations of Antenatal Maternal Anxiety and Neonatal Cortical Morphology. <i>American Journal of Psychiatry</i> , 2015, 172, 163-172.	4.0	85

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91	Antenatal Maternal Anxiety Predicts Variations in Neural Structures Implicated in Anxiety Disorders in Newborns. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2015, 54, 313-321.e2.	0.3	113
92	Maternal PUFA status and offspring allergic diseases up to the age of 18 months. <i>British Journal of Nutrition</i> , 2015, 113, 975-983.	1.2	17
93	Looking Behavior at Test and Relational Memory in 6-Month-Old Infants. <i>Infancy</i> , 2015, 20, 18-41.	0.9	7
94	Individualized diffeomorphic mapping of brains with large cortical infarcts. <i>Magnetic Resonance Imaging</i> , 2015, 33, 110-123.	1.0	2
95	Adaptation of Brain Functional and Structural Networks in Aging. <i>PLoS ONE</i> , 2015, 10, e0123462.	1.1	25
96	Multiresolution Diffeomorphic Mapping for Cortical Surfaces. <i>Lecture Notes in Computer Science</i> , 2015, 24, 315-326.	1.0	1
97	Gestational Age and Neonatal Brain Microstructure in Term Born Infants: A Birth Cohort Study. <i>PLoS ONE</i> , 2014, 9, e115229.	1.1	25
98	Ethnic differences translate to inadequacy of high-risk screening for gestational diabetes mellitus in an Asian population: a cohort study. <i>BMC Pregnancy and Childbirth</i> , 2014, 14, 345.	0.9	55
99	Diffeomorphic metric mapping and probabilistic atlas generation of hybrid diffusion imaging based on BFOR signal basis. <i>Medical Image Analysis</i> , 2014, 18, 1002-1014.	7.0	5
100	Cohort Profile: Growing Up in Singapore Towards healthy Outcomes (GUSTO) birth cohort study. <i>International Journal of Epidemiology</i> , 2014, 43, 1401-1409.	0.9	374
101	Relationships of maternal folate and vitamin B12 status during pregnancy with perinatal depression: The GUSTO study. <i>Journal of Psychiatric Research</i> , 2014, 55, 110-116.	1.5	106
102	Multi-label segmentation of white matter structures: Application to neonatal brains. <i>NeuroImage</i> , 2014, 102, 913-922.	2.1	22
103	Abnormalities of cortical thickness, subcortical shapes, and white matter integrity in subcortical vascular cognitive impairment. <i>Human Brain Mapping</i> , 2014, 35, 2320-2332.	1.9	39
104	Geodesic regression on orientation distribution functions with its application to an aging study. <i>NeuroImage</i> , 2014, 87, 416-426.	2.1	14
105	Functional Networks in Parallel with Cortical Development Associate with Executive Functions in Children. <i>Cerebral Cortex</i> , 2014, 24, 1937-1947.	1.6	37
106	Emotional expressions in voice and music: Same code, same effect?. <i>Human Brain Mapping</i> , 2013, 34, 1796-1810.	1.9	68
107	Evolution of hippocampal shapes across the human lifespan. <i>Human Brain Mapping</i> , 2013, 34, 3075-3085.	1.9	41
108	The NeuroAiD II (MLC901) in Vascular Cognitive Impairment Study (NEURITES). <i>Cerebrovascular Diseases</i> , 2013, 35, 23-29.	0.8	15

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109	Prenatal Maternal Depression Associates with Microstructure of Right Amygdala in Neonates at Birth. <i>Biological Psychiatry</i> , 2013, 74, 837-844.	0.7	221
110	Structural connectivity asymmetry in the neonatal brain. <i>NeuroImage</i> , 2013, 75, 187-194.	2.1	102
111	Less depressive symptoms are associated with smaller hippocampus in subjective memory impairment. <i>Archives of Gerontology and Geriatrics</i> , 2013, 57, 110-115.	1.4	29
112	Morphology and microstructure of subcortical structures at birth: A large-scale Asian neonatal neuroimaging study. <i>NeuroImage</i> , 2013, 65, 315-323.	2.1	31
113	Association of silent lacunar infarct with brain atrophy and cognitive impairment. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, 1219-1225.	0.9	51
114	Prevalence of cognitive impairment in Chinese: Epidemiology of Dementia in Singapore study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, 686-692.	0.9	76
115	Distribution and Determinants of Eye Size and Shape in Newborn Children: A Magnetic Resonance Imaging Analysis. , 2013, 54, 4791.		14
116	Amygdalaâ€“hippocampal shape and cortical thickness abnormalities in first-episode schizophrenia and mania. <i>Psychological Medicine</i> , 2013, 43, 1353-1363.	2.7	36
117	Age-Related Decline in Associative Learning in Healthy Chinese Adults. <i>PLoS ONE</i> , 2013, 8, e80648.	1.1	25
118	Effects of the Neurogranin Variant rs12807809 on Thalamocortical Morphology in Schizophrenia. <i>PLoS ONE</i> , 2013, 8, e85603.	1.1	15
119	Diffeomorphic Metric Mapping of Hybrid Diffusion Imaging Based on BFOR Signal Basis. <i>Lecture Notes in Computer Science</i> , 2013, 23, 147-158.	1.0	1
120	Bayesian Atlas Estimation from High Angular Resolution Diffusion Imaging (HARDI). <i>Lecture Notes in Computer Science</i> , 2013, , 149-157.	1.0	1
121	Silent Stroke. <i>Stroke</i> , 2012, 43, 3102-3104.	1.0	50
122	Inattention and Hyperactivity Predict Alterations in Specific Neural Circuits Among 6-Year-Old Boys. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2012, 51, 632-641.	0.3	11
123	Atlas-based automatic mouse brain image segmentation revisited: model complexity vs. image registration. <i>Magnetic Resonance Imaging</i> , 2012, 30, 789-798.	1.0	60
124	Birth weight and gestation influence striatal morphology and motor response in normal six-year-old boys. <i>NeuroImage</i> , 2012, 59, 1065-1070.	2.1	12
125	Multi-stage segmentation of white matter hyperintensity, cortical and lacunar infarcts. <i>NeuroImage</i> , 2012, 60, 2379-2388.	2.1	56
126	Arcuate Fasciculus Abnormalities and Their Relationship with Psychotic Symptoms in Schizophrenia. <i>PLoS ONE</i> , 2012, 7, e29315.	1.1	41

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127	CSF and Brain Structural Imaging Markers of the Alzheimer's Pathological Cascade. PLoS ONE, 2012, 7, e47406.	1.1	36
128	Population Differences in Brain Morphology and Microstructure among Chinese, Malay, and Indian Neonates. PLoS ONE, 2012, 7, e47816.	1.1	49
129	Age-related vulnerabilities along the hippocampal longitudinal axis. Human Brain Mapping, 2012, 33, 2415-2427.	1.9	43
130	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, 255-262.	1.1	32
131	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-e129.	1.4	10
132	Principal Component Based Diffeomorphic Surface Mapping. IEEE Transactions on Medical Imaging, 2012, 31, 302-311.	5.4	27
133	Diffeomorphic Metric Mapping of High Angular Resolution Diffusion Imaging Based on Riemannian Structure of Orientation Distribution Functions. IEEE Transactions on Medical Imaging, 2012, 31, 1021-1033.	5.4	34
134	Executive Functions of Six-Year-Old Boys with Normal Birth Weight and Gestational Age. PLoS ONE, 2012, 7, e36502.	1.1	25
135	Integrative diffeomorphic metric mapping based on image and unlabeled points. , 2011, , .		0
136	Diffeomorphic cortical surface mapping and its comparison with spherical cortical mapping. , 2011, , .		0
137	Whole brain diffeomorphic metric mapping via integration of sulcal and gyral curves, cortical surfaces, and images. NeuroImage, 2011, 56, 162-173.	2.1	74
138	Locally Linear Diffeomorphic Metric Embedding (LLDME) for surface-based anatomical shape modeling. NeuroImage, 2011, 56, 149-161.	2.1	11
139	A multi-resolution scheme for distortion-minimizing mapping between human subcortical structures based on geodesic construction on Riemannian manifolds. NeuroImage, 2011, 57, 1376-1392.	2.1	25
140	Variations in Eye Volume, Surface Area, and Shape with Refractive Error in Young Children by Magnetic Resonance Imaging Analysis. , 2011, 52, 8878.		42
141	Regionally Specific White Matter Disruptions of Fornix and Cingulum in Schizophrenia. PLoS ONE, 2011, 6, e18652.	1.1	81
142	Robust Automatic Rodent Brain Extraction Using 3-D Pulse-Coupled Neural Networks (PCNN). IEEE Transactions on Image Processing, 2011, 20, 2554-2564.	6.0	117
143	Volume reduction in subcortical regions according to severity of Alzheimer's disease. Journal of Neurology, 2011, 258, 1013-1020.	1.8	66
144	Neurocognitive-genetic and neuroimaging-genetic research paradigms in schizophrenia and bipolar disorder. Journal of Neural Transmission, 2011, 118, 1621-1639.	1.4	26

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145	Approximations of the Diffeomorphic Metric and Their Applications in Shape Learning. Lecture Notes in Computer Science, 2011, 22, 257-270.	1.0	8
146	Large Deformation Diffeomorphic Metric Mapping of Orientation Distribution Functions. Lecture Notes in Computer Science, 2011, 22, 448-462.	1.0	10
147	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, 539-551.e4.	0.3	10
148	Quantitative evaluation of LDDMM, FreeSurfer, and CARET for cortical surface mapping. NeuroImage, 2010, 52, 131-141.	2.1	54
149	Hippocampal-cortical structural connectivity disruptions in schizophrenia: An integrated perspective from hippocampal shape, cortical thickness, and integrity of white matter bundles. NeuroImage, 2010, 52, 1181-1189.	2.1	67
150	Multi-manifold diffeomorphic metric mapping for aligning cortical hemispheric surfaces. NeuroImage, 2010, 49, 355-365.	2.1	44
151	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, 539-551.e4.	0.3	103
152	Atlas Generation for Subcortical and Ventricular Structures With Its Applications in Shape Analysis. IEEE Transactions on Image Processing, 2010, 19, 1539-1547.	6.0	43
153	Surface-Based Analysis on Shape and Fractional Anisotropy of White Matter Tracts in Alzheimer's Disease. PLoS ONE, 2010, 5, e9811.	1.1	22
154	Basal Ganglia Volume and Shape in Children With Attention Deficit Hyperactivity Disorder. American Journal of Psychiatry, 2009, 166, 74-82.	4.0	217
155	Collaborative computational anatomy: An MRI morphometry study of the human brain via diffeomorphic metric mapping. Human Brain Mapping, 2009, 30, 2132-2141.	1.9	48
156	APOE related hippocampal shape alteration in geriatric depression. NeuroImage, 2009, 44, 620-626.	2.1	67
157	Time sequence diffeomorphic metric mapping and parallel transport track time-dependent shape changes. NeuroImage, 2009, 45, S51-S60.	2.1	48
158	The emerging discipline of Computational Functional Anatomy. NeuroImage, 2009, 45, S16-S39.	2.1	67
159	Regional shape abnormalities in mild cognitive impairment and Alzheimer's disease. NeuroImage, 2009, 45, 656-661.	2.1	146
160	Spatial and temporal reproducibility-based ranking of the independent components of BOLD fMRI data. NeuroImage, 2009, 46, 1041-1054.	2.1	19
161	Combined analyses of thalamic volume, shape and white matter integrity in first-episode schizophrenia. NeuroImage, 2009, 47, 1163-1171.	2.1	44
162	Neuroanatomical asymmetry patterns in individuals with schizophrenia and their non-psychotic siblings. NeuroImage, 2009, 47, 1221-1229.	2.1	50

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163	Correction of B0 susceptibility induced distortion in diffusion-weighted images using large-deformation diffeomorphic metric mapping. <i>Magnetic Resonance Imaging</i> , 2008, 26, 1294-1302.	1.0	93
164	Large Deformation Diffeomorphic Metric Curve Mapping. <i>International Journal of Computer Vision</i> , 2008, 80, 317-336.	10.9	175
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