

A fast diffeomorphic image registration algorithm

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Computational anatomical methods as applied to ageing and dementia. <i>British Journal of Radiology</i> , 2007, 80, S78-S91.	1.0	57
3	Interpreting scan data acquired from multiple scanners: A study with Alzheimer's disease. <i>NeuroImage</i> , 2008, 39, 1180-1185.	2.1	200
4	Ten simple rules for reporting voxel-based morphometry studies. <i>NeuroImage</i> , 2008, 40, 1429-1435.	2.1	221
5	3D characterization of brain atrophy in Alzheimer's disease and mild cognitive impairment using tensor-based morphometry. <i>NeuroImage</i> , 2008, 41, 19-34.	2.1	149
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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2526	Cerebral gray matter changes in persistent postural perceptual dizziness. <i>Journal of Psychosomatic Research</i> , 2017, 103, 95-101.	1.2	47
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#	ARTICLE	IF	CITATIONS
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2581	Computed-tomography-guided anatomic standardization for quantitative assessment of dopamine transporter SPECT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 366-372.	3.3	17
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#	ARTICLE	IF	CITATIONS
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2884	Collocation for Diffeomorphic Deformations in Medical Image Registration. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018, 40, 1570-1583.	9.7	9
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2886	Structural and Functional Brain Changes at Early and Late Stages of Complex Regional Pain Syndrome. <i>Journal of Pain</i> , 2018, 19, 146-157.	0.7	22
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#	ARTICLE	IF	CITATIONS
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3191	Brain Structure Covariance Associated With Gait Control in Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 705-713.	1.7	41
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#	ARTICLE	IF	CITATIONS
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3977	Neurocognitive impairment and gray matter volume reduction in HIV-infected patients. <i>Journal of NeuroVirology</i> , 2020, 26, 590-601.	1.0	20
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3979	The effect of the electric field on the output performance of triboelectric nanogenerators. <i>Journal of Computational Electronics</i> , 2020, 19, 1670-1677.	1.3	7
3980	A Systematic Characterization of Structural Brain Changes in Schizophrenia. <i>Neuroscience Bulletin</i> , 2020, 36, 1107-1122.	1.5	12
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3985	Overarching Principles and Dimensions of the Functional Organization in the Inferior Parietal Cortex. <i>Cerebral Cortex</i> , 2020, 30, 5639-5653.	1.6	26
3986	OFC and its connectivity with amygdala as predictors for future social anxiety in adolescents. <i>Developmental Cognitive Neuroscience</i> , 2020, 44, 100804.	1.9	26
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#	ARTICLE	IF	CITATIONS
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3992	A Multicenter Preclinical MRI Study: Definition of Rat Brain Relaxometry Reference Maps. <i>Frontiers in Neuroinformatics</i> , 2020, 14, 22.	1.3	11
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3996	Altered Cortical Thickness-Based Individualized Structural Covariance Networks in Patients with Schizophrenia and Bipolar Disorder. <i>Journal of Clinical Medicine</i> , 2020, 9, 1846.	1.0	17
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4007	White matter basis for the hub-and-spoke semantic representation: evidence from semantic dementia. <i>Brain</i> , 2020, 143, 1206-1219.	3.7	22
4008	Atrophy of right inferior frontal orbital gyrus and frontoparietal functional connectivity abnormality in depressed suicide attempters. <i>Brain Imaging and Behavior</i> , 2020, 14, 2542-2552.	1.1	22
4009	APOE- ϵ 4 Shapes the Cerebral Organization in Cognitively Intact Individuals as Reflected by Structural Gray Matter Networks. <i>Cerebral Cortex</i> , 2020, 30, 4110-4120.	1.6	7
4010	Neurocomputational mechanisms underpinning aberrant social learning in young adults with low self-esteem. <i>Translational Psychiatry</i> , 2020, 10, 96.	2.4	23
4011	The cerebellum is associated with 2-year prognosis in patients with high-frequency migraine. <i>Journal of Headache and Pain</i> , 2020, 21, 29.	2.5	21
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4013	Tau pathology in early Alzheimer's disease is linked to selective disruptions in neurophysiological network dynamics. <i>Neurobiology of Aging</i> , 2020, 92, 141-152.	1.5	34
4014	Network Mapping of Connectivity Alterations in Disorder of Consciousness: Towards Targeted Neuromodulation. <i>Journal of Clinical Medicine</i> , 2020, 9, 828.	1.0	13
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4025	Brain structure and symptom dimensions in borderline personality disorder. <i>European Psychiatry</i> , 2020, 63, e9.	0.1	9
4026	Late-Life Physical and Cognitive Activities Independently Contribute to Brain and Cognitive Resilience. <i>Journal of Alzheimer's Disease</i> , 2020, 74, 363-376.	1.2	35
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4028	Association between Behavioral Ambidexterity and Brain Health. <i>Brain Sciences</i> , 2020, 10, 137.	1.1	7
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4030	Brain Resting-State Network Alterations Associated With Crohn's Disease. <i>Frontiers in Neurology</i> , 2020, 11, 48.	1.1	33
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4033	Brain structural correlates of schizotypal signs and subclinical schizophrenia nuclear symptoms in healthy individuals. <i>Psychological Medicine</i> , 2022, 52, 342-351.	2.7	10
4034	Longitudinal structural and metabolic changes in frontotemporal dementia. <i>Neurology</i> , 2020, 95, e140-e154.	1.5	39
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4040	Selective Functional Hyperconnectivity in the Middle Temporal Gyrus Subregions in Lifelong Premature Ejaculation. <i>Journal of Sexual Medicine</i> , 2020, 17, 1457-1466.	0.3	8
4041	Barking up the right tree: Univariate and multivariate fMRI analyses of homonym comprehension. <i>NeuroImage</i> , 2020, 219, 117050.	2.1	11

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4050	Increased Amplitude of Low-Frequency Fluctuation in Right Angular Gyrus and Left Superior Occipital Gyrus Negatively Correlated With Heroin Use. <i>Frontiers in Psychiatry</i> , 2020, 11, 492.	1.3	11
4051	The influence of microsatellite polymorphisms in sex steroid receptor genes ESR1, ESR2 and AR on sex differences in brain structure. <i>NeuroImage</i> , 2020, 221, 117087.	2.1	7
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4063	Microstructural Anomalies Evaluated by Neurite Orientation Dispersion and Density Imaging Are Related to Deficits in Facial Emotional Recognition via Perceptual Binding Difficulties in Autism Spectrum Disorder. <i>Autism Research</i> , 2020, 13, 729-740.	2.1	13
4064	Frontotemporal degeneration in amyotrophic lateral sclerosis (ALS): a longitudinal MRI one-year study. <i>CNS Spectrums</i> , 2021, 26, 258-267.	0.7	18
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4066	Race modifies default mode connectivity in Alzheimer's disease. <i>Translational Neurodegeneration</i> , 2020, 9, 8.	3.6	16
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4070	Identification of patients with and without minimal hepatic encephalopathy based on gray matter volumetry using a support vector machine learning algorithm. <i>Scientific Reports</i> , 2020, 10, 2490.	1.6	9
4071	Age-related reduction in motor adaptation: brain structural correlates and the role of explicit memory. <i>Neurobiology of Aging</i> , 2020, 90, 13-23.	1.5	42
4072	Metaphorical language processing and amygdala activation in L1 and L2. <i>Neuropsychologia</i> , 2020, 140, 107381.	0.7	13
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4074	The neural correlates of mindfulness-induced depression reduction in adults with autism spectrum disorder: A pilot study. <i>Journal of Neuroscience Research</i> , 2020, 98, 1150-1161.	1.3	13
4075	Customized FreeSurfer-based brain atlas for diffeomorphic anatomical registration through exponentiated lie algebra tool. <i>Annals of Nuclear Medicine</i> , 2020, 34, 280-288.	1.2	6
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4085	Cognitive inhibition impairments in presymptomatic <i>C9orf72</i> carriers. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020, 91, 366-372.	0.9	14
4086	Simultaneous voxel-based magnetic susceptibility and morphometry analysis using magnetization-prepared spoiled turbo multiple gradient echo. <i>NMR in Biomedicine</i> , 2020, 33, e4272.	1.6	19
4087	Abnormal functional connectivity density in patients with major depressive disorder with comorbid insomnia. <i>Journal of Affective Disorders</i> , 2020, 266, 417-423.	2.0	22
4088	Learning a cortical parcellation of the brain robust to the MRI segmentation with convolutional neural networks. <i>Medical Image Analysis</i> , 2020, 61, 101639.	7.0	31
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4090	Brain Metabolism but Not Gray Matter Volume Underlies the Presence of Language Function in the Minimally Conscious State (MCS): MCS+ Versus MCS- Neuroimaging Differences. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 172-184.	1.4	26
4091	Reduced gray matter volume and cortical thickness associated with traffic-related air pollution in a longitudinally studied pediatric cohort. <i>PLoS ONE</i> , 2020, 15, e0228092.	1.1	40
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4093	Neural response to fast food commercials in adolescents predicts intake. <i>American Journal of Clinical Nutrition</i> , 2020, 111, 493-502.	2.2	40
4094	Mild behavioral impairment is associated with β -amyloid but not tau or neurodegeneration in cognitively intact elderly individuals. <i>Alzheimer's and Dementia</i> , 2020, 16, 192-199.	0.4	102
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4097	Clinical and Cerebral Metabolic Changes in Parkinson's Disease With Basal Forebrain Atrophy. <i>Movement Disorders</i> , 2020, 35, 825-832.	2.2	17
4098	Tongue Image Alignment via Conformal Mapping for Disease Detection. <i>IEEE Access</i> , 2020, 8, 9796-9808.	2.6	11
4099	Neuroanatomy of dyslexia: An allometric approach. <i>European Journal of Neuroscience</i> , 2020, 52, 3595-3609.	1.2	5
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4101	Hippocampal vascular reserve associated with cognitive performance and hippocampal volume. <i>Brain</i> , 2020, 143, 622-634.	3.7	81
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4103	Functional Connectivity of Default Mode Network Subsystems in the Presymptomatic Stage of Autosomal Dominant Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 1435-1444.	1.2	6
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4106	Speech production differences in English and Italian speakers with nonfluent variant PPA. <i>Neurology</i> , 2020, 94, e1062-e1072.	1.5	30
4107	Longitudinal structural MRI analysis and classification in Alzheimer's disease and mild cognitive impairment. <i>International Journal of Imaging Systems and Technology</i> , 2020, 30, 421-433.	2.7	6
4108	Normative brain volume reports may improve differential diagnosis of dementing neurodegenerative diseases in clinical practice. <i>European Radiology</i> , 2020, 30, 2821-2829.	2.3	27
4109	Alterations in cerebellar grey matter structure and covariance networks in young people with Tourette syndrome. <i>Cortex</i> , 2020, 126, 1-15.	1.1	22
4110	From baby brain to mommy brain: Widespread gray matter gain after giving birth. <i>Cortex</i> , 2020, 126, 334-342.	1.1	47
4111	Mapping internal brainstem structures using MP2RAGE derived T1 weighted and T1 relaxation images at 3 and 7 T. <i>Human Brain Mapping</i> , 2020, 41, 2173-2186.	1.9	5
4112	Temporolimbic cortical volume is associated with semantic odor memory performance in aging. <i>NeuroImage</i> , 2020, 211, 116600.	2.1	11
4113	Abnormal cerebellar volume in somatic vs. non-somatic delusional disorders. <i>Cerebellum and Ataxias</i> , 2020, 7, 2.	1.9	4

#	ARTICLE	IF	CITATIONS
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4115	Neural Dynamics of Karaoke-Like Voice Imitation in Singing Performance. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 135.	1.0	3
4116	The role of the subgenual anterior cingulate cortex in dorsomedial prefrontalâ€œamygdala neural circuitry during positiveâ€œsocial emotion regulation. <i>Human Brain Mapping</i> , 2020, 41, 3100-3118.	1.9	43
4117	Differences in Brain Volume between Metabolically Healthy and Unhealthy Overweight and Obese Children: The Role of Fitness. <i>Journal of Clinical Medicine</i> , 2020, 9, 1059.	1.0	9
4118	Abnormal Neural Responses During Reflexive Blinking in Blepharospasm: An Eventâ€œRelated Functional MRI Study. <i>Movement Disorders</i> , 2020, 35, 1173-1180.	2.2	7
4119	Cerebral regional and network characteristics in asthma patients: a resting-state fMRI study. <i>Frontiers of Medicine</i> , 2020, 14, 792-801.	1.5	12
4120	Neural correlates of cue reactivity in individuals with smartphone addiction. <i>Addictive Behaviors</i> , 2020, 108, 106422.	1.7	30
4121	Synchronization between instructor and observer when learning a complex bimanual skill. <i>NeuroImage</i> , 2020, 216, 116659.	2.1	18
4122	Disentangling the origins of confidence in speeded perceptual judgments through multimodal imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8382-8390.	3.3	49
4123	Measuring impulsivity in Parkinsonâ€™s disease: a correlational and structural neuroimaging study using different tests. <i>European Journal of Neurology</i> , 2020, 27, 1478-1486.	1.7	6
4124	Impaired Topological Properties of Gray Matter Structural Covariance Network in Epilepsy Children With Generalized Tonicâ€œClonic Seizures: A Graph Theoretical Analysis. <i>Frontiers in Neurology</i> , 2020, 11, 253.	1.1	18
4125	Structural and Functional Alterations in Hemodialysis Patients: A Voxel-Based Morphometry and Functional Connectivity Study. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 80.	1.0	16
4126	Associations Between Individual Differences in Mathematical Competencies and Surface Anatomy of the Adult Brain. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 116.	1.0	5
4127	Predicting Long-Term After-Effects of Theta-Burst Stimulation on Supplementary Motor Network Through One-Session Response. <i>Frontiers in Neuroscience</i> , 2020, 14, 237.	1.4	6
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#	ARTICLE	IF	CITATIONS
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4455	The costs of over-control in anorexia nervosa: evidence from fMRI and ecological momentary assessment. <i>Translational Psychiatry</i> , 2021, 11, 304.	2.4	12
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4457	Effect of jet lag on brain white matter functional connectivity. <i>Psychoradiology</i> , 2021, 1, 55-65.	1.0	2
4458	Brain structural alterations in pediatric bipolar disorder patients with and without psychotic symptoms. <i>Journal of Affective Disorders</i> , 2021, 286, 87-93.	2.0	10
4459	Temporal trajectory of brain tissue property changes induced by electroconvulsive therapy. <i>NeuroImage</i> , 2021, 232, 117895.	2.1	20
4460	Synaptic density in healthy human aging is not influenced by age or sex: a 11C-UCB-J PET study. <i>NeuroImage</i> , 2021, 232, 117877.	2.1	31
4461	Altered striatum centered brain structures in SHANK3 deficient Chinese children with genotype and phenotype profiling. <i>Progress in Neurobiology</i> , 2021, 200, 101985.	2.8	10
4462	The gut microbiome is associated with brain structure and function in schizophrenia. <i>Scientific Reports</i> , 2021, 11, 9743.	1.6	49
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#	ARTICLE	IF	CITATIONS
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6019	Ongoing first-hand pain facilitates somatosensory resonance but inhibits affective sharing in empathy for pain. <i>NeuroImage</i> , 2022, 263, 119599.	2.1	4
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6022	Larger gray matter volumes in neuropsychiatric long-COVID syndrome. <i>Psychiatry Research</i> , 2022, 317, 114836.	1.7	32
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6037	Facial Image Reconstruction from Functional Magnetic Resonance Imaging via GAN Inversion with Improved Attribute Consistency. , 2022, , .		2
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6064	Dehydration and rehydration affect brain regional density and homogeneity among young male adults, determined via magnetic resonance imaging: A pilot self-control trial. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	2
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6096	Altered stability of brain functional architecture after sleep deprivation: A resting-state functional magnetic resonance imaging study. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	3
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6102	Reduced cortical complexity in patients with end-stage kidney disease prior to dialysis initiation. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	1
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6116	Aberrant frontolimbic circuit in female depressed adolescents with and without suicidal attempts: A resting-state functional magnetic resonance imaging study. <i>Frontiers in Psychiatry</i> , 2022, 13, .	1.3	3
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6167	Sex-dependent effects of early life stress on reinforcement learning and limbic cortico-striatal functional connectivity. <i>Neurobiology of Stress</i> , 2023, 22, 100507.	1.9	6
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6180	Cognitive control training enhances the integration of intrinsic functional networks in adolescents. <i>Frontiers in Human Neuroscience</i> , 0, 16, .	1.0	2
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6186	Serum unsaturated phosphatidylcholines predict longitudinal basal forebrain degeneration in Alzheimer's disease. <i>Brain Communications</i> , 2022, 4, .	1.5	3
6187	Enhanced intrathalamic morphological connectivity in patients with chronic insomnia. <i>Brain Imaging and Behavior</i> , 0, , .	1.1	1
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