Motion Artifact in Magnetic Resonance Imaging: Implic

Citation Report

#	Article	IF	Citations
2	Attention-deficit/hyperactivity disorder is characterized by a delay in cortical maturation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19649-19654.	3.3	1,419
3	MRI inter-packet movement correction for images acquired with non-complementary data. , 2008, , .		2
4	Nonrigid correction of interleaving artefacts in pelvic MRI. , 2009, , .		4
5	Elucidating a Magnetic Resonance Imaging-Based Neuroanatomic Biomarker for Psychosis: Classification Analysis Using Probabilistic Brain Atlas and Machine Learning Algorithms. Biological Psychiatry, 2009, 66, 1055-1060.	0.7	134
6	Prospective motion correction of high-resolution magnetic resonance imaging data in children. NeuroImage, 2010, 53, 139-145.	2.1	114
7	Guidelines for Developing Automated Quality Control Procedures for Brain Magnetic Resonance Images Acquired in Multi-Centre Clinical Trials. , 0, , .		2
8	The mismeasurement of youth: why adolescent brain science is bad science. Contemporary Social Science, 2012, 7, 181-196.	1.0	10
9	In vivo characterization of the vestibulo-cochlear nerve motion by MRI. NeuroImage, 2012, 59, 943-949.	2.1	2
10	Subject movement during multislice interleaved MR acquisitions: Prevalence and potential effect on MRIâ€derived brain pathology measurements and multicenter clinical trials of therapeutics for multiple sclerosis. Journal of Magnetic Resonance Imaging, 2012, 36, 332-343.	1.9	15
11	Structural deficits in the emotion circuit and cerebellum are associated with depression, anxiety and cognitive dysfunction in methadone maintenance patients: A voxel-based morphometric study. Psychiatry Research - Neuroimaging, 2012, 201, 89-97.	0.9	50
12	Brain morphological abnormalities in 49,XXXXY syndrome: A pediatric magnetic resonance imaging study. NeuroImage: Clinical, 2013, 2, 197-203.	1.4	21
13	Structural and cognitive deficits in chronic carbon monoxide intoxication: a voxel-based morphometry study. BMC Neurology, 2013, 13, 129.	0.8	21
14	Lithium and GSK3-Î² Promoter Gene Variants Influence White Matter Microstructure in Bipolar Disorder. Neuropsychopharmacology, 2013, 38, 313-327.	2.8	149
15	Widespread changes of white matter microstructure in obsessiveâ€"compulsive disorder: Effect of drug status. European Neuropsychopharmacology, 2013, 23, 581-593.	0.3	63
16	Hippocampal Shape Abnormalities of Patients With Childhood-Onset Schizophrenia and Their Unaffected Siblings. Journal of the American Academy of Child and Adolescent Psychiatry, 2013, 52, 527-536.e2.	0.3	32
17	Medical Computer Vision: Algorithms for Big Data. Lecture Notes in Computer Science, 2014, , .	1.0	3
18	Adverse childhood experiences influence white matter microstructure in patients with bipolar disorder. Psychological Medicine, 2014, 44, 3069-3082.	2.7	63
19	Methods and considerations for longitudinal structural brain imaging analysis across development. Developmental Cognitive Neuroscience, 2014, 9, 172-190.	1.9	216

#	Article	IF	Citations
20	LINKS: Learning-based multi-source IntegratioN frameworK for Segmentation of infant brain images. NeuroImage, 2015, 108, 160-172.	2.1	208
21	Deep convolutional neural networks for multi-modality isointense infant brain image segmentation. NeuroImage, 2015, 108, 214-224.	2.1	662
22	White matter microstructure in bipolar disorder is influenced by the serotonin transporter gene polymorphism 5â€‹‹scp›HTTLPR‹/scp›. Genes, Brain and Behavior, 2015, 14, 238-250.	1.1	58
23	Thinner Medial Temporal Cortex in Adolescents With Attention-Deficit/Hyperactivity Disorder and the Effects of Stimulants. Journal of the American Academy of Child and Adolescent Psychiatry, 2015, 54, 660-667.	0.3	28
24	Dynamic Development of Regional Cortical Thickness and Surface Area in Early Childhood. Cerebral Cortex, 2015, 25, 2204-2212.	1.6	286
25	Brain and behavior in 48, XXYY syndrome. NeuroImage: Clinical, 2015, 8, 133-139.	1.4	12
26	Developmentally Stable Whole-Brain Volume Reductions and Developmentally Sensitive Caudate and Putamen Volume Alterations in Those With Attention-Deficit/Hyperactivity Disorder and Their Unaffected Siblings. JAMA Psychiatry, 2015, 72, 490.	6.0	159
27	Disruption of white matter integrity marks poor antidepressant response in bipolar disorder. Journal of Affective Disorders, 2015, 174, 233-240.	2.0	41
28	Cortical thickness and surface area in neonates at high risk for schizophrenia. Brain Structure and Function, 2016, 221, 447-461.	1.2	52
29	Inter-Method Discrepancies in Brain Volume Estimation May Drive Inconsistent Findings in Autism. Frontiers in Neuroscience, 2016, 10, 439.	1.4	35
30	Quality Control of Structural MRI Images Applied Using FreeSurferâ€"A Hands-On Workflow to Rate Motion Artifacts. Frontiers in Neuroscience, 2016, 10, 558.	1.4	111
31	Subtle in-scanner motion biases automated measurement of brain anatomy from in vivo MRI. Human Brain Mapping, 2016, 37, 2385-2397.	1.9	154
32	Utility of real-time prospective motion correction (PROMO) on 3D T1-weighted imaging in automated brain structure measurements. Scientific Reports, 2016, 6, 38366.	1.6	12
33	Age and DRD4 Genotype Moderate Associations Between Stimulant Treatment History and Cortex Structure in Attention-Deficit/Hyperactivity Disorder. Journal of the American Academy of Child and Adolescent Psychiatry, 2016, 55, 877-885.e3.	0.3	7
34	Inflammatory cytokines influence measures of white matter integrity in Bipolar Disorder. Journal of Affective Disorders, 2016, 202, 1-9.	2.0	125
35	Cortical thickness change in autism during early childhood. Human Brain Mapping, 2016, 37, 2616-2629.	1.9	41
36	Albumin-based nanoparticles loaded with hydrophobic gadolinium chelates as T_1â€"T_2 dual-mode contrast agents for accurate liver tumor imaging. Nanoscale, 2017, 9, 4516-4523.	2.8	50
37	Utility of real-time prospective motion correction (PROMO) for segmentation of cerebral cortex on 3D T1-weighted imaging: Voxel-based morphometry analysis for uncooperative patients. European Radiology, 2017, 27, 3554-3562.	2.3	5

#	ARTICLE	IF	CITATIONS
38	Age-Related Effects and Sex Differences in Gray Matter Density, Volume, Mass, and Cortical Thickness from Childhood to Young Adulthood. Journal of Neuroscience, 2017, 37, 5065-5073.	1.7	235
39	Clock genes associate with white matter integrity in depressed bipolar patients. Chronobiology International, 2017, 34, 212-224.	0.9	59
40	Advances, challenges, and promises in pediatric neuroimaging of neurodevelopmental disorders. Neuroscience and Biobehavioral Reviews, 2018, 90, 50-69.	2.9	16
41	Mindcontrol: A web application for brain segmentation quality control. NeuroImage, 2018, 170, 365-372.	2.1	47
42	Test-retest reliability of longitudinal task-based fMRI: Implications for developmental studies. Developmental Cognitive Neuroscience, 2018, 33, 17-26.	1.9	97
43	Processing of structural neuroimaging data in young children: Bridging the gap between current practice and state-of-the-art methods. Developmental Cognitive Neuroscience, 2018, 33, 206-223.	1.9	50
44	Structural brain development: A review of methodological approaches and best practices. Developmental Cognitive Neuroscience, 2018, 33, 129-148.	1.9	94
45	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.	1.9	51
46	Dynamic magnetic resonance imaging of carbogen challenge on awake rabbit brain at 1.5T. Journal of X-Ray Science and Technology, 2018, 26, 997-1009.	0.7	3
47	Evaluation of methods for volumetric analysis of pediatric brain data: The childmetrix pipeline versus adult-based approaches. NeuroImage: Clinical, 2018, 19, 734-744.	1.4	9
48	Self-Managed Belief as Part of the â€œScientific Methodâ€: Part IIâ€"Examples From Published Scientific Work. Frontiers in Physics, 2018, 6, .	1.0	0
49	MRI quality control for the Italian Neuroimaging Network Initiative: moving towards big data in multiple sclerosis. Journal of Neurology, 2019, 266, 2848-2858.	1.8	16
50	Head motion: the dirty little secret of neuroimaging in psychiatry. Journal of Psychiatry and Neuroscience, 2019, 44, 62-68.	1.4	51
51	Atypical gray matter in children with dyslexia before the onset of reading instruction. Cortex, 2019, 121, 399-413.	1.1	27
52	Knowing What You Know in Brain Segmentation Using Bayesian Deep Neural Networks. Frontiers in Neuroinformatics, 2019, 13, 67.	1.3	36
53	A Deep Learningâ€"Based Approach to Reduce Rescan and Recall Rates in Clinical MRI Examinations. American Journal of Neuroradiology, 2019, 40, 217-223.	1.2	25
54	Human Cortical Thickness Organized into Genetically-determined Communities across Spatial Resolutions. Cerebral Cortex, 2019, 29, 106-118.	1.6	18
55	Post-acute white matter microstructure predicts post-acute and chronic post-concussive symptom severity following mild traumatic brain injury in children. NeuroImage: Clinical, 2020, 25, 102106.	1.4	21

#	Article	IF	Citations
56	Individualised MRI training for paediatric neuroimaging: A child-focused approach. Developmental Cognitive Neuroscience, 2020, 41, 100750.	1.9	23
57	Altered Sex Chromosome Dosage Induces Coordinated Shifts in Cortical Anatomy and Anatomical Covariance. Cerebral Cortex, 2020, 30, 2215-2228.	1.6	7
58	Clinical utility of deep learning motion correction for T1 weighted MPRAGE MR images. European Journal of Radiology, 2020, 133, 109384.	1.2	9
59	Investigating the Added Value of FreeSurfer's Manual Editing Procedure for the Study of the Reading Network in a Pediatric Population. Frontiers in Human Neuroscience, 2020, 14, 143.	1.0	17
60	Post-Acute Cortical Thickness in Children with Mild Traumatic Brain Injury versus Orthopedic Injury. Journal of Neurotrauma, 2020, 37, 1892-1901.	1.7	16
61	Diffusion Tensor Imaging Indicators of White Matter Injury Are Correlated with a Multimodal Electroencephalography-Based Biomarker in Slow Recovering, Concussed Collegiate Athletes. Journal of Neurotrauma, 2020, 37, 2093-2101.	1.7	13
62	Neural correlates of head restraint: Unsolicited neuronal activation and dopamine release. NeuroImage, 2021, 224, 117434.	2.1	5
63	Childhood socioeconomic status is prospectively associated with surface morphometry in adulthood. Developmental Psychobiology, 2021, 63, 1589-1596.	0.9	6
64	Sex-specific associations between subcortical morphometry in childhood and adult alcohol consumption: A 17-year follow-up study. NeuroImage: Clinical, 2021, 31, 102771.	1.4	2
65	Opportunities for increased reproducibility and replicability of developmental neuroimaging. Developmental Cognitive Neuroscience, 2021, 47, 100902.	1.9	48
68	Variations in structural MRI quality significantly impact commonly used measures of brain anatomy. Brain Informatics, 2021, 8, 7.	1.8	42
69	Best Practices in Structural Neuroimaging of Neurodevelopmental Disorders. Neuropsychology Review, 2022, 32, 400-418.	2.5	14
71	Association between structural brain features and gene expression by weighted gene co-expression network analysis in conversion from MCI to AD. Behavioural Brain Research, 2021, 410, 113330.	1.2	4
72	Quality control strategies for brain MRI segmentation and parcellation: Practical approaches and recommendations - insights from the Maastricht study. NeuroImage, 2021, 237, 118174.	2.1	37
73	Reliability and sensitivity of two whole-brain segmentation approaches included in FreeSurfer – ASEG and SAMSEG. NeuroImage, 2021, 237, 118113.	2.1	10
74	Brain–behavior dynamics between the left fusiform and reading. Brain Structure and Function, 2022, 227, 587-597.	1.2	7
75	Prospective association of maternal psychosocial stress in pregnancy with newborn hippocampal volume and implications for infant social-emotional development. Neurobiology of Stress, 2021, 15, 100368.	1.9	22
76	Differences in Brain Structural Covariance Network Characteristics in Children and Adults With Autism Spectrum Disorder. Autism Research, 2021, 14, 265-275.	2.1	6

#	Article	IF	Citations
77	Simulation of Acquisition Artefacts in MR Scans: Effects on Automatic Measures of Brain Atrophy. Lecture Notes in Computer Science, 2006, 9, 272-280.	1.0	6
79	ANS: Aberrant Neurodevelopment of the Social Cognition Network in Adolescents with Autism Spectrum Disorders. PLoS ONE, 2011, 6, e18905.	1.1	31
80	Developmentally Sensitive Interaction Effects of Genes and the Social Environment on Total and Subcortical Brain Volumes. PLoS ONE, 2016, 11, e0155755.	1.1	4
81	Participant factors that contribute to magnetic resonance imaging motion artifacts in children with mild traumatic brain injury or orthopedic injury. Brain Imaging and Behavior, 2022, 16, 991-1002.	1.1	7
82	LINKS: Learning-Based Multi-source IntegratioN FrameworK for Segmentation of Infant Brain Images. Lecture Notes in Computer Science, 2014, , 22-33.	1.0	4
85	Semi-supervised VAE-GAN for Out-of-Sample Detection Applied to MRI Quality Control. Lecture Notes in Computer Science, 2019, , 127-136.	1.0	5
86	Distortion, motion artifacts and how to address them. Advances in Magnetic Resonance Technology and Applications, 2021, 2, 203-237.	0.0	0
88	Associations Between Traumatic Stress, Brain Volumes and Post-traumatic Stress Disorder Symptoms in Children: Data from the ABCD Study. Behavior Genetics, 2022, 52, 75-91.	1.4	3
89	Highly accelerated 3D MPRAGE using deep neural network–based reconstruction for brain imaging in children and young adults. European Radiology, 2022, 32, 5468-5479.	2.3	6
90	Influence of Gonadal Steroids on Cortical Surface Area in Infancy. Cerebral Cortex, 2021, , .	1.6	2
92	Feasibility of FreeSurfer Processing for T1-Weighted Brain Images of 5-Year-Olds: Semiautomated Protocol of FinnBrain Neuroimaging Lab. Frontiers in Neuroscience, 2022, 16, 874062.	1.4	8
93	Brain spectroscopic measures of glutamatergic and neuronal metabolism and glial activation influence white matter integrity in bipolar depression. Psychiatry Research - Neuroimaging, 2022, 326, 111534.	0.9	2
94	Motion correction in MR image for analysis of VSRAD using generative adversarial network. PLoS ONE, 2022, 17, e0274576.	1.1	3
95	Maternal adverse childhood experiences and infant subcortical brain volume. Neurobiology of Stress, 2022, 21, 100487.	1.9	6
96	Movement-related artefacts (MR-ART) dataset of matched motion-corrupted and clean structural MRI brain scans. Scientific Data, 2022, 9, .	2.4	16
97	Metrics for motion and MR quality assessment. Advances in Magnetic Resonance Technology and Applications, 2023, , 99-116.	0.0	0
98	Resting-state functional MRI in multicenter studies on multiple sclerosis: a report on raw data quality and functional connectivity features from the Italian Neuroimaging Network Initiative. Journal of Neurology, 2023, 270, 1047-1066.	1.8	3
99	Longitudinal and prospective assessment of prenatal maternal sleep quality and associations with newborn hippocampal and amygdala volume. Developmental Cognitive Neuroscience, 2022, 58, 101174.	1.9	2

#	Article	IF	Citations
100	Challenges of Deep Learning in Medical Image Analysisâ€"Improving Explainability and Trust. IEEE Transactions on Technology and Society, 2023, 4, 68-75.	2.4	31
102	Clinical Evaluation of Scout Accelerated Motion Estimation and Reduction Technique for 3D MR Imaging in the Inpatient and Emergency Department Settings. American Journal of Neuroradiology, 2023, 44, 125-133.	1.2	1