

Improved optimization for the robust and accurate line correction of brain images

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Citation Report

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1930	Neural Correlates of Learning from Induced Insight: A Case for Reward-Based Episodic Encoding. <i>Frontiers in Psychology</i> , 2016, 7, 1693.	1.1	40
1931	Abnormal Connectional Fingerprint in Schizophrenia: A Novel Network Analysis of Diffusion Tensor Imaging Data. <i>Frontiers in Psychiatry</i> , 2016, 7, 114.	1.3	5
1932	Sex Effects on Smoking Cue Perception in Non-Smokers, Smokers, and Ex-Smokers: A Pilot Study. <i>Frontiers in Psychiatry</i> , 2016, 7, 187.	1.3	9
1933	Effects of Anxiety on Caloric Intake and Satiety-Related Brain Activation in Women and Men. <i>Psychosomatic Medicine</i> , 2016, 78, 454-464.	1.3	14
1934	Dynamic Multiscale Modes of Resting State Brain Activity Detected by Entropy Field Decomposition. <i>Neural Computation</i> , 2016, 28, 1769-1811.	1.3	11
1935	Disambiguating Pharmacodynamic Efficacy from Behavior with Neuroimaging. <i>Anesthesiology</i> , 2016, 124, 159-168.	1.3	41
1936	Consistent Spatial-Temporal Longitudinal Atlas Construction for Developing Infant Brains. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 2568-2577.	5.4	33
1937	Profilometry: A new statistical framework for the characterization of white matter pathways, with application to multiple sclerosis. <i>Human Brain Mapping</i> , 2016, 37, 989-1004.	1.9	34
1938	Connectivity between mPFC and PCC predicts post-choice attitude change: The self-referential processing hypothesis of choice justification. <i>Human Brain Mapping</i> , 2016, 37, 3810-3820.	1.9	15
1939	Resting-state functional connectivity and motor imagery brain activation. <i>Human Brain Mapping</i> , 2016, 37, 3847-3857.	1.9	32
1940	Anhedonia and individual differences in orbitofrontal cortex sulcogyral morphology. <i>Human Brain Mapping</i> , 2016, 37, 3873-3881.	1.9	20
1941	Liver transplantation significantly improves global functioning and cerebral processing. <i>Liver Transplantation</i> , 2016, 22, 1379-1390.	1.3	35
1942	Disrupted Brain Connectivity Patterns in Patients with Type 2 Diabetes. <i>American Journal of Neuroradiology</i> , 2016, 37, 2115-2122.	1.2	52
1943	Compensatory activation in fronto-parietal cortices among HIV-infected persons during a monetary decision-making task. <i>Human Brain Mapping</i> , 2016, 37, 2455-2467.	1.9	21
1944	Detail-preserving construction of neonatal brain atlases in space-frequency domain. <i>Human Brain Mapping</i> , 2016, 37, 2133-2150.	1.9	14
1945	Magnetic susceptibility contrast variations in multiple sclerosis lesions. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 463-473.	1.9	79
1946	Coil-to-coil physiological noise correlations and their impact on functional MRI time-series signal-to-noise ratio. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1708-1719.	1.9	21

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1948	A surface-based technique for mapping homotopic interhemispheric connectivity: Development, characterization, and clinical application. <i>Human Brain Mapping</i> , 2016, 37, 2849-2868.	1.9	12
1949	Longitudinal change in magnetic susceptibility of new enhanced multiple sclerosis (MS) lesions measured on serial quantitative susceptibility mapping (QSM). <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 426-432.	1.9	79
1950	Feasibility and reproducibility of whole brain myelin water mapping in 4 minutes using fast acquisition with spiral trajectory and adiabatic T2prep (FAST-T2) at 3T. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 456-465.	1.9	53
1951	Data-driven optimized flip angle selection for T_1 estimation from spoiled gradient echo acquisitions. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 792-802.	1.9	6
1952	Contextual modulation of pain in masochists. <i>Pain</i> , 2016, 157, 445-455.	2.0	24
1953	Brain structural connectivity distinguishes patients at risk for cognitive decline after carotid interventions. <i>Human Brain Mapping</i> , 2016, 37, 2185-2194.	1.9	9
1954	Alteration of the regional cerebral glucose metabolism in healthy subjects by glucose loading. <i>Human Brain Mapping</i> , 2016, 37, 2823-2832.	1.9	21
1955	Putting the brakes on the brakes: negative emotion disrupts cognitive control network functioning and alters subsequent stopping ability. <i>Experimental Brain Research</i> , 2016, 234, 3107-3118.	0.7	42
1956	Anticipation-related brain connectivity in bipolar and unipolar depression: a graph theory approach. <i>Brain</i> , 2016, 139, 2554-2566.	3.7	97
1957	Magnetic Susceptibility from Quantitative Susceptibility Mapping Can Differentiate New Enhancing from Nonenhancing Multiple Sclerosis Lesions without Gadolinium Injection. <i>American Journal of Neuroradiology</i> , 2016, 37, 1794-1799.	1.2	35
1958	Subtle in-scanner motion biases automated measurement of brain anatomy from in vivo MRI. <i>Human Brain Mapping</i> , 2016, 37, 2385-2397.	1.9	154
1959	Investigating the Stability of Fine-Grain Digit Somatotopy in Individual Human Participants. <i>Journal of Neuroscience</i> , 2016, 36, 1113-1127.	1.7	102
1960	Aerobic fitness is associated with greater hippocampal cerebral blood flow in children. <i>Developmental Cognitive Neuroscience</i> , 2016, 20, 52-58.	1.9	72
1961	Sex differences in amygdala shape: Insights from Turner syndrome. <i>Human Brain Mapping</i> , 2016, 37, 1593-1601.	1.9	12
1962	Neural Mechanisms of Credit Assignment in a Multicue Environment. <i>Journal of Neuroscience</i> , 2016, 36, 1096-1112.	1.7	53
1963	White Matter Volume Mediates the Relationship Between Self-Efficacy and Mobility in Older Women. <i>Experimental Aging Research</i> , 2016, 42, 460-470.	0.6	1
1964	Motor noise is rich signal in autism research and pharmacological treatments. <i>Scientific Reports</i> , 2016, 6, 37422.	1.6	75

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1966	Application of DTI connectivity in lateralization of mTLE. , 2016, 2016, 5525-5528.		4
1967	Cerebral blood flow, blood supply, and cognition in Type 2 Diabetes Mellitus. <i>Scientific Reports</i> , 2016, 6, 10.	1.6	178
1968	Fast Deformable Image Registration with Non-smooth Dual Optimization. , 2016, , .		0
1969	Motion correction in MRI of the brain. <i>Physics in Medicine and Biology</i> , 2016, 61, R32-R56.	1.6	134
1970	Effects of delaying binge drinking on adolescent brain development: a longitudinal neuroimaging study. <i>BMC Psychiatry</i> , 2016, 16, 445.	1.1	22
1971	Chronic exposure to haloperidol and olanzapine leads to common and divergent shape changes in the rat hippocampus in the absence of grey-matter volume loss. <i>Psychological Medicine</i> , 2016, 46, 3081-3093.	2.7	14
1972	Awareness of Emotional Stimuli Determines the Behavioral Consequences of Amygdala Activation and Amygdala-Prefrontal Connectivity. <i>Scientific Reports</i> , 2016, 6, 25826.	1.6	48
1973	Early Antiretroviral Therapy in HIV-Infected Children Is Associated with Diffuse White Matter Structural Abnormality and Corpus Callosum Sparing. <i>American Journal of Neuroradiology</i> , 2016, 37, 2363-2369.	1.2	36
1974	A phenome-wide examination of neural and cognitive function. <i>Scientific Data</i> , 2016, 3, 160110.	2.4	252
1975	Functional complexity emerging from anatomical constraints in the brain: the significance of network modularity and rich-clubs. <i>Scientific Reports</i> , 2016, 6, 38424.	1.6	87
1976	Relationship between timed 25-foot walk and diffusion tensor imaging in multiple sclerosis. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2016, 2, 205521731665536.	0.5	7
1977	Frequency-Specific Local Synchronization Changes in Paroxysmal Kinesigenic Dyskinesia. <i>Medicine (United States)</i> , 2016, 95, e3293.	0.4	9
1978	Quantitative T2 mapping of white matter: applications for ageing and cognitive decline. <i>Physics in Medicine and Biology</i> , 2016, 61, 5587-5605.	1.6	29
1979	Early grey matter changes in structural covariance networks in Huntington's disease. <i>NeuroImage: Clinical</i> , 2016, 12, 806-814.	1.4	42
1980	Disrupted functional connectivity affects resting state based language lateralization. <i>NeuroImage: Clinical</i> , 2016, 12, 910-927.	1.4	14
1981	Differential activation of the frontal pole to high vs low calorie foods: The neural basis of food preference in Anorexia Nervosa?. <i>Psychiatry Research - Neuroimaging</i> , 2016, 258, 44-53.	0.9	47
1982	Differential effect of age on posterior and anterior hippocampal functional connectivity. <i>NeuroImage</i> , 2016, 133, 468-476.	2.1	72

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1984	Myelination of the right parahippocampal cingulum is associated with physical activity in young healthy adults. <i>Brain Structure and Function</i> , 2016, 221, 4537-4548.	1.2	28
1985	Time density curve analysis for C-arm FDCT PBV imaging. <i>Interventional Neuroradiology</i> , 2016, 22, 176-186.	0.7	4
1986	Optimising MR perfusion imaging: comparison of different software-based approaches in acute ischaemic stroke. <i>European Radiology</i> , 2016, 26, 4204-4212.	2.3	4
1987	Tractography Analysis of 5 White Matter Bundles and Their Clinical and Cognitive Correlates in Early-Course Schizophrenia. <i>Schizophrenia Bulletin</i> , 2016, 42, 762-771.	2.3	45
1988	Quantitative Susceptibility Mapping Using Structural Feature Based Collaborative Reconstruction (SFCR) in the Human Brain. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 2040-2050.	5.4	37
1989	The Human Brainnetome Atlas: A New Brain Atlas Based on Connectional Architecture. <i>Cerebral Cortex</i> , 2016, 26, 3508-3526.	1.6	1,962
1990	Alterations in Connectivity on Functional Magnetic Resonance Imaging with Provocation of Lower Urinary Tract Symptoms: A MAPP Research Network Feasibility Study of Urological Chronic Pelvic Pain Syndromes. <i>Journal of Urology</i> , 2016, 195, 639-645.	0.2	34
1991	A multivariate nonlinear mixed effects model for longitudinal image analysis: Application to amyloid imaging. <i>NeuroImage</i> , 2016, 134, 658-670.	2.1	68
1992	Exploring the role of the posterior middle temporal gyrus in semantic cognition: Integration of anterior temporal lobe with executive processes. <i>NeuroImage</i> , 2016, 137, 165-177.	2.1	290
1993	Encoding of Touch Intensity But Not Pleasantness in Human Primary Somatosensory Cortex. <i>Journal of Neuroscience</i> , 2016, 36, 5850-5860.	1.7	82
1994	Interferon- β acutely impairs whole-brain functional connectivity network architecture – A preliminary study. <i>Brain, Behavior, and Immunity</i> , 2016, 58, 31-39.	2.0	42
1995	Violating instructed human agency: An fMRI study on ocular tracking of biological and nonbiological motion stimuli. <i>NeuroImage</i> , 2016, 138, 109-122.	2.1	3
1996	Altered functioning of reward circuitry in youth offspring of parents with bipolar disorder. <i>Psychological Medicine</i> , 2016, 46, 197-208.	2.7	34
1997	The influence of molecular order and microstructure on the R2* and the magnetic susceptibility tensor. <i>Magnetic Resonance Imaging</i> , 2016, 34, 682-689.	1.0	5
1998	Individually customisable non-invasive head immobilisation system for non-human primates with an option for voluntary engagement. <i>Journal of Neuroscience Methods</i> , 2016, 269, 46-60.	1.3	30
1999	Analyzing the tradeoff between electrical complexity and accuracy in patient-specific computational models of deep brain stimulation. <i>Journal of Neural Engineering</i> , 2016, 13, 036023.	1.8	56
2000	Longitudinal decrease in blood oxygenation level dependent response in cerebral amyloid angiopathy. <i>NeuroImage: Clinical</i> , 2016, 11, 461-467.	1.4	24

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2002	Classification of amyloid status using machine learning with histograms of oriented 3D gradients. <i>NeuroImage: Clinical</i> , 2016, 12, 990-1003.	1.4	16
2003	Lower Working Memory Performance in Overweight and Obese Adolescents Is Mediated by White Matter Microstructure. <i>Journal of the International Neuropsychological Society</i> , 2016, 22, 281-292.	1.2	54
2004	Targeting modulates audiences'™ brain and behavioral responses to safe sex video ads. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 1650-1657.	1.5	6
2005	Emotion dysregulation and amygdala dopamine D2-type receptor availability in methamphetamine users. <i>Drug and Alcohol Dependence</i> , 2016, 161, 163-170.	1.6	22
2006	Mapping an index of the myelin g-ratio in infants using magnetic resonance imaging. <i>NeuroImage</i> , 2016, 132, 225-237.	2.1	110
2007	Medial temporal lobe viscoelasticity and relational memory performance. <i>NeuroImage</i> , 2016, 132, 534-541.	2.1	77
2008	Combining anatomical, diffusion, and resting state functional magnetic resonance imaging for individual classification of mild and moderate Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2016, 11, 46-51.	1.4	98
2009	Inherent Structure-Based Multiview Learning With Multitemplate Feature Representation for Alzheimer's Disease Diagnosis. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 1473-1482.	2.5	96
2010	Connectivity Profiles Reveal a Transition Subarea in the Parahippocampal Region That Integrates the Anterior Temporalâ€“Posterior Medial Systems. <i>Journal of Neuroscience</i> , 2016, 36, 2782-2795.	1.7	37
2011	Investigating the Microstructural Correlation of White Matter in Autism Spectrum Disorder. <i>Brain Connectivity</i> , 2016, 6, 415-433.	0.8	22
2012	Age-dependent differences in brain tissue microstructure assessed with neurite orientation dispersion and density imaging. <i>Neurobiology of Aging</i> , 2016, 43, 79-88.	1.5	61
2013	The Psychoactive Designer Drug and Bath Salt Constituent MDPV Causes Widespread Disruption of Brain Functional Connectivity. <i>Neuropsychopharmacology</i> , 2016, 41, 2352-2365.	2.8	66
2014	Functional Connectivity Between the Temporoparietal Cortex and Cerebellum in Autism Spectrum Disorder. <i>Cerebral Cortex</i> , 2017, 27, bhw079.	1.6	58
2015	DPABI: Data Processing & Analysis for (Resting-State) Brain Imaging. <i>Neuroinformatics</i> , 2016, 14, 339-351.	1.5	2,538
2016	Reduced Frontoparietal Activity in Schizophrenia Is Linked to a Specific Deficit in Goal Maintenance: A Multisite Functional Imaging Study. <i>Schizophrenia Bulletin</i> , 2016, 42, 1149-1157.	2.3	49
2017	Attention-Deficit/Hyperactivity Disorder Symptoms Coincide With Altered Striatal Connectivity. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2016, 1, 353-363.	1.1	47
2018	High spatial resolution diffusion weighted imaging on clinical 3ÂˆT MRI scanners using multislabs spiral acquisitions. <i>Journal of Medical Imaging</i> , 2016, 3, 023501.	0.8	11

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2021	Using Structural and Functional Brain Imaging to Investigate Responses to Acute Thermal Pain. <i>Journal of Pain</i> , 2016, 17, 836-844.	0.7	9
2022	Linking pattern completion in the hippocampus to predictive coding in visual cortex. <i>Nature Neuroscience</i> , 2016, 19, 665-667.	7.1	196
2023	Neural Correlates of Symptom Improvement Following Stimulant Treatment in Adults with Attention-Deficit/Hyperactivity Disorder. <i>Journal of Child and Adolescent Psychopharmacology</i> , 2016, 26, 527-536.	0.7	23
2024	Testing Proposed Neuronal Models of Effective Connectivity Within the Cortico-basal Ganglia-thalamo-cortical Loop During Loss of Consciousness. <i>Cerebral Cortex</i> , 2017, 27, bhv112.	1.6	45
2025	Functional connectivity and structural covariance between regions of interest can be measured more accurately using multivariate distance correlation. <i>NeuroImage</i> , 2016, 135, 16-31.	2.1	104
2026	Different Brain Circuitries Mediating Controllable and Uncontrollable Pain. <i>Journal of Neuroscience</i> , 2016, 36, 5013-5025.	1.7	99
2027	Corticolimbic anatomical characteristics predetermine risk for chronic pain. <i>Brain</i> , 2016, 139, 1958-1970.	3.7	285
2028	A neural signature of contextually mediated intentional forgetting. <i>Psychonomic Bulletin and Review</i> , 2016, 23, 1534-1542.	1.4	32
2029	The traveling heads: multicenter brain imaging at 7 Tesla. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 399-415.	1.1	26
2030	Bi-directional changes in fractional anisotropy after experiment TBI: Disorganization and reorganization?. <i>NeuroImage</i> , 2016, 133, 129-143.	2.1	62
2031	Individual estimates of age at detectable amyloid onset for risk factor assessment. <i>Alzheimer's and Dementia</i> , 2016, 12, 373-379.	0.4	63
2032	Examining the relationships between cortical maturation and white matter myelination throughout early childhood. <i>NeuroImage</i> , 2016, 125, 413-421.	2.1	55
2033	Default Mode Network in a Small Cohort of Children with Abnormal Brain MRIs. <i>Journal of Pediatric Epilepsy</i> , 2016, 05, 011-017.	0.1	1
2034	Quantitative mapping of cerebrovascular reactivity using resting-state BOLD fMRI: Validation in healthy adults. <i>NeuroImage</i> , 2016, 138, 147-163.	2.1	84
2035	Nicotine withdrawal alters neural responses to psychosocial stress. <i>Psychopharmacology</i> , 2016, 233, 2459-2467.	1.5	20
2036	The Effect of Passive Movement for Paretic Ankle-Foot and Brain Activity in Post-Stroke Patients. <i>European Neurology</i> , 2016, 76, 132-142.	0.6	12

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2038	Alterations in brain white matter contributing to age-related slowing of task switching performance: The role of radial diffusivity and magnetization transfer ratio. <i>Human Brain Mapping</i> , 2016, 37, 4084-4098.	1.9	12
2039	Dissociable changes in functional network topology underlie early category learning and development of automaticity. <i>NeuroImage</i> , 2016, 141, 220-241.	2.1	9
2040	Impact of region-of-interest method on quantitative analysis of DTI data in the optic tracts. <i>BMC Medical Imaging</i> , 2016, 16, 42.	1.4	16
2041	Pre-ictal BOLD alterations: Two cases of patients with focal epilepsy. <i>Epilepsy Research</i> , 2016, 127, 207-220.	0.8	4
2042	Craving versus control: Negative urgency and neural correlates of alcohol cue reactivity. <i>Drug and Alcohol Dependence</i> , 2016, 163, S25-S28.	1.6	28
2043	Associations of limbic-affective brain activity and severity of ongoing chronic arthritis pain are explained by trait anxiety. <i>NeuroImage: Clinical</i> , 2016, 12, 269-276.	1.4	38
2044	An Orientation Dependent Size Illusion Is Underpinned by Processing in the Extrastriate Visual Area, LO1. <i>Perception</i> , 2016, 7, 204166951666762.	0.8	6
2045	Relationships Between Altered Functional Magnetic Resonance Imaging Activation and Cortical Thickness in Patients With Euthymic Bipolar I Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2016, 1, 507-517.	1.1	11
2046	Multi-compartment microscopic diffusion imaging. <i>NeuroImage</i> , 2016, 139, 346-359.	2.1	280
2047	Reduced load-dependent default mode network deactivation across executive tasks in schizophrenia spectrum disorders. <i>NeuroImage: Clinical</i> , 2016, 12, 389-396.	1.4	21
2048	Long-term acclimatization to high-altitude hypoxia modifies interhemispheric functional and structural connectivity in the adult brain. <i>Brain and Behavior</i> , 2016, 6, e00512.	1.0	25
2049	Cerebral [18F]T807/AV1451 retention pattern in clinically probable CTE resembles pathognomonic distribution of CTE tauopathy. <i>Translational Psychiatry</i> , 2016, 6, e900-e900.	2.4	63
2050	Functional Subdomains within Scene-Selective Cortex: Parahippocampal Place Area, Retrosplenial Complex, and Occipital Place Area. <i>Journal of Neuroscience</i> , 2016, 36, 10257-10273.	1.7	35
2051	Uptake and retention of manganese contrast agents for PET and MRI in the rodent brain. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 371-380.	0.4	22
2052	An individual differences analysis of the neurocognitive architecture of the semantic system at rest. <i>Brain and Cognition</i> , 2016, 109, 112-123.	0.8	13
2053	Î²-Amyloid Burden Predicts Lower Extremity Performance Decline in Cognitively Unimpaired Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, glw183.	1.7	23
2054	BIANCA (Brain Intensity AbNormality Classification Algorithm): A new tool for automated segmentation of white matter hyperintensities. <i>NeuroImage</i> , 2016, 141, 191-205.	2.1	308

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2056	Comorbid anxiety increases cognitive control activation in Major Depressive Disorder. <i>Depression and Anxiety</i> , 2016, 33, 967-977.	2.0	40
2057	The effects of hippocampal lesions on MRI measures of structural and functional connectivity. <i>Hippocampus</i> , 2016, 26, 1447-1463.	0.9	42
2058	Sustained anterior cingulate cortex activation during reward processing predicts response to psychotherapy in major depressive disorder. <i>Journal of Affective Disorders</i> , 2016, 203, 204-212.	2.0	88
2059	Sleep and meal-time misalignment alters functional connectivity: a pilot resting-state study. <i>International Journal of Obesity</i> , 2016, 40, 1813-1816.	1.6	11
2060	Chemical exchange saturation transfer of the cervical spinal cord at 7 T. <i>NMR in Biomedicine</i> , 2016, 29, 1249-1257.	1.6	25
2062	HIV Distal Neuropathic Pain Is Associated with Smaller Ventral Posterior Cingulate Cortex. <i>Pain Medicine</i> , 2017, 18, pnw180.	0.9	17
2063	Multimodal MRI reveals structural connectivity differences in 22q11 deletion syndrome related to impaired spatial working memory. <i>Human Brain Mapping</i> , 2016, 37, 4689-4705.	1.9	8
2064	Functional dissociation between anterior temporal lobe and inferior frontal gyrus in the processing of dynamic body expressions: Insights from behavioral variant frontotemporal dementia. <i>Human Brain Mapping</i> , 2016, 37, 4472-4486.	1.9	39
2065	Statistical inference of dynamic resting-state functional connectivity using hierarchical observation modeling. <i>Human Brain Mapping</i> , 2016, 37, 4566-4580.	1.9	1
2066	Brain Activity and Functional Connectivity Associated with Hypnosis. <i>Cerebral Cortex</i> , 2017, 27, 4083-4093.	1.6	98
2067	Quantifying brain volumes for Multiple Sclerosis patients follow-up in clinical practice – comparison of 1.5 and 3 Tesla magnetic resonance imaging. <i>Brain and Behavior</i> , 2016, 6, e00422.	1.0	27
2068	Fully automated open-source lesion mapping of T2-FLAIR images with FSL correlates with clinical disability in MS. <i>Brain and Behavior</i> , 2016, 6, e00440.	1.0	11
2069	Variable activation in striatal subregions across components of a social influence task in young adult cannabis users. <i>Brain and Behavior</i> , 2016, 6, e00459.	1.0	20
2070	Functional connectivity and information flow of the respiratory neural network in chronic obstructive pulmonary disease. <i>Human Brain Mapping</i> , 2016, 37, 2736-2754.	1.9	39
2071	Investigating the dependence of the calibration parameter M on echo time. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 556-561.	1.9	6
2072	Optimization of 4D vessel-selective arterial spin labeling angiography using balanced steady-state free precession and vessel-encoding. <i>NMR in Biomedicine</i> , 2016, 29, 776-786.	1.6	31
2073	Whole Brain Volume Measured from 1.5T versus 3T MRI in Healthy Subjects and Patients with Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2016, 26, 62-67.	1.0	48

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2075	Associations between polygenic risk for schizophrenia and brain function during probabilistic learning in healthy individuals. <i>Human Brain Mapping</i> , 2016, 37, 491-500.	1.9	27
2076	Areas activated during naturalistic reading comprehension overlap topological visual, auditory, and somatotomotor maps. <i>Human Brain Mapping</i> , 2016, 37, 2784-2810.	1.9	30
2077	Abnormal functional connectivity and cortical integrity influence dominant hand motor disability in multiple sclerosis: a multimodal analysis. <i>Human Brain Mapping</i> , 2016, 37, 4262-4275.	1.9	21
2078	NODDI reproducibility and variability with magnetic field strength: A comparison between 1.5 T and 3 T. <i>Human Brain Mapping</i> , 2016, 37, 4550-4565.	1.9	49
2079	Functional connectivity networks for preoperative brain mapping in neurosurgery. <i>Journal of Neurosurgery</i> , 2016, 126, 1941-1950.	0.9	38
2080	Ataxia Severity Correlates with White Matter Degeneration in Spinocerebellar Ataxia Type 7. <i>American Journal of Neuroradiology</i> , 2016, 37, 2050-2054.	1.2	10
2081	When BOLD is thicker than water: processing social information about kin and friends at different levels of the social network. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 1952-1960.	1.5	17
2082	Increased diffusivity in gray matter in recent onset schizophrenia is associated with clinical symptoms and social cognition. <i>Schizophrenia Research</i> , 2016, 176, 144-150.	1.1	10
2083	Human Posterior Insula Functional Connectivity Differs Between Electrical Pain and the Resting State. <i>Brain Connectivity</i> , 2016, 6, 786-794.	0.8	16
2084	Grey matter abnormalities in methcathinone abusers with a Parkinsonian syndrome. <i>Brain and Behavior</i> , 2016, 6, e00539.	1.0	9
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2400	Towards a comprehensive framework for movement and distortion correction of diffusion MR images: Within volume movement. <i>NeuroImage</i> , 2017, 152, 450-466.	2.1	278
2401	Similar patterns of neural activity predict memory function during encoding and retrieval. <i>NeuroImage</i> , 2017, 155, 60-71.	2.1	52
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2405	Robust presurgical functional <scp>MRI</scp> at 7 <scp>T</scp> using response consistency. <i>Human Brain Mapping</i> , 2017, 38, 3163-3174.	1.9	5
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2407	White matter maturation is associated with the emergence of Theory of Mind in early childhood. <i>Nature Communications</i> , 2017, 8, 14692.	5.8	79
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2413	Intrinsic Connectivity Network-Based Classification and Detection of Psychotic Symptoms in Youth With 22q11.2 Deletions. <i>Cerebral Cortex</i> , 2017, 27, 3294-3306.	1.6	18
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2419	Magic angle effect plays a major role in both T1rho and T2 relaxation in articular cartilage. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 2022-2030.	0.6	79
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2430	Modular level alterations of structure-function coupling in schizophrenia connectome. <i>Human Brain Mapping</i> , 2017, 38, 2008-2025.	1.9	42
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2442	White matter abnormalities in long-term anabolic-androgenic steroid users: A pilot study. <i>Psychiatry Research - Neuroimaging</i> , 2017, 260, 1-5.	0.9	14
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2448	Evaluation of striatonigral connectivity using probabilistic tractography in Parkinson's disease. <i>NeuroImage: Clinical</i> , 2017, 16, 557-563.	1.4	47
2449	Presurgical thalamocortical connectivity is associated with response to vagus nerve stimulation in children with intractable epilepsy. <i>NeuroImage: Clinical</i> , 2017, 16, 634-642.	1.4	62
2450	Reduced interhemispheric executive control network coupling in men during early cocaine abstinence: A pilot study. <i>Drug and Alcohol Dependence</i> , 2017, 181, 1-4.	1.6	12
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2495	Hippocampal maturity promotes memory distinctiveness in childhood and adolescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9212-9217.	3.3	97
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2499	Cortical representation of persistent visual stimuli. <i>NeuroImage</i> , 2017, 161, 67-79.	2.1	24
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2502	The association between early life stress and prefrontal cortex activation during implicit emotion regulation is moderated by sex in early adolescence. <i>Development and Psychopathology</i> , 2017, 29, 1851-1864.	1.4	54
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2505	Brain Network Correlates of Emotional Aging. <i>Scientific Reports</i> , 2017, 7, 15576.	1.6	8

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2514	Cognitive performance in healthy older adults relates to spontaneous switching between states of functional connectivity during rest. <i>Scientific Reports</i> , 2017, 7, 5135.	1.6	257
2515	Spatial scale and distribution of neurovascular signals underlying decoding of orientation and eye of origin from fMRI data. <i>Journal of Neurophysiology</i> , 2017, 117, 818-835.	0.9	6
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2517	Increased Stability and Breakdown of Brain Effective Connectivity During Slow-Wave Sleep: Mechanistic Insights from Whole-Brain Computational Modelling. <i>Scientific Reports</i> , 2017, 7, 4634.	1.6	90
2518	Third-person self-talk facilitates emotion regulation without engaging cognitive control: Converging evidence from ERP and fMRI. <i>Scientific Reports</i> , 2017, 7, 4519.	1.6	63
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2534	Additive effects of oxytocin receptor gene polymorphisms on reward circuitry in youth with autism. <i>Molecular Psychiatry</i> , 2017, 22, 1134-1139.	4.1	35
2535	Bayesian vector autoregressive model for multi-subject effective connectivity inference using multi-modal neuroimaging data. <i>Human Brain Mapping</i> , 2017, 38, 1311-1332.	1.9	22
2536	The interaction between 5-HTTLPR and stress exposure influences connectivity of the executive control and default mode brain networks. <i>Brain Imaging and Behavior</i> , 2017, 11, 1486-1496.	1.1	10
2537	The effects of HIV and aging on subcortical shape alterations: A 3D morphometric study. <i>Human Brain Mapping</i> , 2017, 38, 1025-1037.	1.9	32
2538	Diamagnetic chemical exchange saturation transfer (diaCEST) affords magnetic resonance imaging of extracellular matrix hydrogel implantation in a rat model of stroke. <i>Biomaterials</i> , 2017, 113, 176-190.	5.7	29
2539	Reduced insula habituation associated with amplification of trigeminal brainstem input in migraine. <i>Cephalalgia</i> , 2017, 37, 1026-1038.	1.8	26
2540	The anterior hypothalamus in cluster headache. <i>Cephalalgia</i> , 2017, 37, 1039-1050.	1.8	50
2541	Combining phase images from array coils using a short echo time reference scan (COMPOSER). <i>Magnetic Resonance in Medicine</i> , 2017, 77, 318-327.	1.9	49

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2544	Unexpected reductions in regional cerebral perfusion during prolonged hypoxia. <i>Journal of Physiology</i> , 2017, 595, 935-947.	1.3	42
2545	Optimal slice timing correction and its interaction with fMRI parameters and artifacts. <i>Medical Image Analysis</i> , 2017, 35, 434-445.	7.0	37
2546	Auditory and visual connectivity gradients in frontoparietal cortex. <i>Human Brain Mapping</i> , 2017, 38, 255-270.	1.9	35
2547	Attenuation of Frontostriatal Connectivity During Reward Processing Predicts Response to Psychotherapy in Major Depressive Disorder. <i>Neuropsychopharmacology</i> , 2017, 42, 831-843.	2.8	57
2548	Lesion Topography and Microscopic White Matter Tract Damage Contribute to Cognitive Impairment in Symptomatic Carotid Artery Disease. <i>Radiology</i> , 2017, 282, 502-515.	3.6	16
2549	Realâ€time estimation of dynamic functional connectivity networks. <i>Human Brain Mapping</i> , 2017, 38, 202-220.	1.9	21
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2725	Neural correlates of lower limbs proprioception: An fMRI study of foot position matching. <i>Human Brain Mapping</i> , 2018, 39, 1929-1944.	1.9	31
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2732	Brain functional connectivity in sleep-related hypermotor epilepsy. <i>NeuroImage: Clinical</i> , 2018, 17, 873-881.	1.4	15
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2754	Remote Changes in Cortical Excitability after Experimental Traumatic Brain Injury and Functional Reorganization. <i>Journal of Neurotrauma</i> , 2018, 35, 2448-2461.	1.7	20
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2761	Resting-state fMRI study of brain activation using low-intensity repetitive transcranial magnetic stimulation in rats. <i>Scientific Reports</i> , 2018, 8, 6706.	1.6	25
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2768	Facing temptation: The neural correlates of gambling availability during sports picture exposure. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2018, 18, 718-729.	1.0	15
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2778	Physical Exercise and Spatial Training: A Longitudinal Study of Effects on Cognition, Growth Factors, and Hippocampal Plasticity. <i>Scientific Reports</i> , 2018, 8, 4239.	1.6	22
2779	White matter microstructure, white matter lesions, and hypertension: An examination of early surrogate markers of vascular-related brain change in midlife. <i>NeuroImage: Clinical</i> , 2018, 18, 753-761.	1.4	29
2780	Individuals with more severe depression fail to sustain nucleus accumbens activity to preferred music over time. <i>Psychiatry Research - Neuroimaging</i> , 2018, 275, 21-27.	0.9	22
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2802	In vivo evidence of oxidative stress in brains of patients with progressive multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2018, 24, 1029-1038.	1.4	65
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2816	Altered white matter structure in the visual system following early monocular enucleation. <i>Human Brain Mapping</i> , 2018, 39, 133-144.	1.9	17
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2819	The value of subtraction MRI in detection of amyloid-related imaging abnormalities with oedema or effusion in Alzheimer's patients: An interobserver study. <i>European Radiology</i> , 2018, 28, 1215-1226.	2.3	8
2820	Disrupted engagement of networks supporting hot and cold cognition in remitted major depressive disorder. <i>Journal of Affective Disorders</i> , 2018, 227, 183-191.	2.0	17
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2824	Altered resting state connectivity in right side frontoparietal network in primary insomnia patients. <i>European Radiology</i> , 2018, 28, 664-672.	2.3	36
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2827	Striatal dopamine D1-type receptor availability: no difference from control but association with cortical thickness in methamphetamine users. <i>Molecular Psychiatry</i> , 2018, 23, 1320-1327.	4.1	19
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2835	Vulnerabilities in sequencing and task switching in healthy youth offspring of parents with mood disorders. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2018, 40, 606-618.	0.8	38
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2837	Preterm birth leads to hyper-reactive cognitive control processing and poor white matter organization in adulthood. <i>NeuroImage</i> , 2018, 167, 419-428.	2.1	25
2838	Modulation of working memory load distinguishes individuals with and without balance impairments following mild traumatic brain injury. <i>Brain Injury</i> , 2018, 32, 191-199.	0.6	14
2839	Assessing age-dependent multi-task functional co-activation changes using measures of task-potency. <i>Developmental Cognitive Neuroscience</i> , 2018, 33, 5-16.	1.9	7
2840	Multi-modal imaging investigation of anterior cingulate cortex cytoarchitecture in neurodevelopment. <i>European Neuropsychopharmacology</i> , 2018, 28, 13-23.	0.3	7
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2843	Combining Quantitative Susceptibility Mapping with Automatic Zero Reference (QSM0) and Myelin Water Fraction Imaging to Quantify Iron-Related Myelin Damage in Chronic Active MS Lesions. <i>American Journal of Neuroradiology</i> , 2018, 39, 303-310.	1.2	39
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2846	Framework for shape analysis of white matter fiber bundles. <i>NeuroImage</i> , 2018, 167, 466-477.	2.1	20
2847	Disruption of network for visual perception of natural motion in primary dystonia. <i>Human Brain Mapping</i> , 2018, 39, 1163-1174.	1.9	4

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2849	Altered resting state functional connectivity in early course schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2018, 271, 17-23.	0.9	15
2850	Reliability and Utility of Manual and Automated Estimates of Total Intracranial Volume. <i>Journal of the International Neuropsychological Society</i> , 2018, 24, 206-211.	1.2	7
2851	Brain structural differences between 73- and 92-year olds matched for childhood intelligence, social background, and intracranial volume. <i>Neurobiology of Aging</i> , 2018, 62, 146-158.	1.5	11
2852	Striking a chord with healthy aging: memory system cooperation is related to preserved configural response learning in older adults. <i>Neurobiology of Aging</i> , 2018, 63, 44-53.	1.5	1
2853	Phase-sensitive B ₁ mapping: Effects of relaxation and RF spoiling. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 101-111.	1.9	4
2854	Establishing upper limits on neuronal activity-evoked pH changes with APT-CEST MRI at 7 T. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 126-136.	1.9	7
2855	Dysfunction in emotion processing underlies functional (psychogenic) dystonia. <i>Movement Disorders</i> , 2018, 33, 136-145.	2.2	51
2856	Brain state expression and transitions are related to complex executive cognition in normative neurodevelopment. <i>NeuroImage</i> , 2018, 166, 293-306.	2.1	61
2857	Dimensions of Experience: Exploring the Heterogeneity of the Wandering Mind. <i>Psychological Science</i> , 2018, 29, 56-71.	1.8	109
2858	The network architecture of value learning. <i>Network Neuroscience</i> , 2018, 2, 128-149.	1.4	15
2859	Effect of Citalopram on Emotion Processing in Humans: A Combined 5-HT _{1A} [11C]CUMI-101 PET and Functional MRI Study. <i>Neuropsychopharmacology</i> , 2018, 43, 655-664.	2.8	49
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2977	Estimation of bone mineral density and breaking strength of laying hens based on scans of computed tomography for body composition analysis. <i>British Poultry Science</i> , 2018, 59, 365-370.	0.8	7
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3945	A positive influence of basal ganglia iron concentration on implicit sequence learning. <i>Brain Structure and Function</i> , 2020, 225, 735-749.	1.2	5
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3956	Resting-state fMRI detects alterations in whole brain connectivity related to tumor biology in glioma patients. <i>Neuro-Oncology</i> , 2020, 22, 1388-1398.	0.6	60
3957	Sex-related differences in subjective, but not neural, cue-elicited craving response in heavy cannabis users. <i>Drug and Alcohol Dependence</i> , 2020, 209, 107931.	1.6	5
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4516	Minimal specifications for non-human primate MRI: Challenges in standardizing and harmonizing data collection. <i>NeuroImage</i> , 2021, 236, 118082.	2.1	22
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4544	Global cerebrospinal fluid as a zero-reference regularization for brain quantitative susceptibility mapping. <i>Journal of Neuroimaging</i> , 2022, 32, 141-147.	1.0	7
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