

Bruce Pike

List of Publications by Year in descending order

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Version: 2024-02-01

293
papers

33,860
citations

4658

85
h-index

4548

171
g-index

307
all docs

307
docs citations

307
times ranked

31876
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of copy number variations on brain structure and risk for psychiatric illness: Large-scale studies from the ENIGMA working groups on CNVs. <i>Human Brain Mapping</i> , 2022, 43, 300-328.	3.6	30
2	Simultaneous Localized Brain Mild Hyperthermia and Blood-Brain Barrier Opening via Feedback-Controlled Transcranial MR-Guided Focused Ultrasound and Microbubbles. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 1880-1888.	4.2	5
3	Cerebrovascular Reactivity Across the Entire Brain in Cerebral Amyloid Angiopathy. <i>Neurology</i> , 2022, 98, .	1.1	14
4	Visceral adiposity is associated with metabolic profiles predictive of type 2 diabetes and myocardial infarction. <i>Communications Medicine</i> , 2022, 2, .	4.2	6
5	Action fluency identifies different sex, age, global cognition, executive function and brain activation profile in non-demented patients with Parkinson's disease. <i>Journal of Neurology</i> , 2021, 268, 1036-1049.	3.6	7
6	Cerebral oxygen extraction fraction: Comparison of dual-gas challenge calibrated BOLD with CBF and challenge-free gradient echo QSM+qBOLD. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 953-961.	3.0	11
7	1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. <i>Translational Psychiatry</i> , 2021, 11, 182.	4.8	24
8	Efficient whole-brain tract-specific T1 mapping at 3T with slice-shuffled inversion-recovery diffusion-weighted imaging. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 738-753.	3.0	5
9	The Relationship Between Cognition and Cerebrovascular Reactivity: Implications for Task-Based fMRI. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	14
10	A model-based framework for correcting inhomogeneity effects in magnetization transfer saturation and inhomogeneous magnetization transfer saturation maps. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2192-2207.	3.0	16
11	The Brain in Motion II Study: study protocol for a randomized controlled trial of an aerobic exercise intervention for older adults at increased risk of dementia. <i>Trials</i> , 2021, 22, 394.	1.6	2
12	Cortical Thickness and Its Association with Clinical Cognitive and Neuroimaging Markers in Cerebral Amyloid Angiopathy. <i>Journal of Alzheimer's Disease</i> , 2021, 81, 1663-1671.	2.6	17
13	MRI of healthy brain aging: A review. <i>NMR in Biomedicine</i> , 2021, 34, e4564.	2.8	59
14	Early post-treatment blood oxygenation level-dependent responses to emotion processing associated with clinical response to pharmacological treatment in major depressive disorder. <i>Brain and Behavior</i> , 2021, 11, e2287.	2.2	5
15	Accelerating quantitative susceptibility and R2* mapping using incoherent undersampling and deep neural network reconstruction. <i>NeuroImage</i> , 2021, 240, 118404.	4.2	8
16	xQSM: quantitative susceptibility mapping with octave convolutional and noise-regularized neural networks. <i>NMR in Biomedicine</i> , 2021, 34, e4461.	2.8	25
17	Dose response of the 16p11.2 distal copy number variant on intracranial volume and basal ganglia. <i>Molecular Psychiatry</i> , 2020, 25, 584-602.	7.9	49
18	Extracting more for less: multi-echo MP2RAGE for simultaneous T1-weighted imaging, T1 mapping, mapping, SWI, and QSM from a single acquisition. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1178-1191.	3.0	23

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19	Cerebral OEF quantification: A comparison study between quantitative susceptibility mapping and dual-gas calibrated BOLD imaging. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 68-82.	3.0	18
20	Association of Copy Number Variation of the 15q11.2 BP1-BP2 Region With Cortical and Subcortical Morphology and Cognition. <i>JAMA Psychiatry</i> , 2020, 77, 420.	11.0	54
21	Dystonia following thalamic neurosurgery: A single centre experience with MR-guided focused ultrasound thalamotomy. <i>Parkinsonism and Related Disorders</i> , 2020, 71, 1-3.	2.2	6
22	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. <i>Nature Communications</i> , 2020, 11, 4796.	12.8	61
23	Adiposity-related insulin resistance and thickness of the cerebral cortex in middle-aged adults. <i>Journal of Neuroendocrinology</i> , 2020, 32, e12921.	2.6	9
24	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, .	12.6	450
25	Quantification of brain oxygen extraction fraction using QSM and a hyperoxic challenge. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 3271-3285.	3.0	10
26	Age-related differences in cerebral blood flow and cortical thickness with an application to age prediction. <i>Neurobiology of Aging</i> , 2020, 95, 131-142.	3.1	14
27	qMRLab: Quantitative MRI analysis, under one umbrella. <i>Journal of Open Source Software</i> , 2020, 5, 2343.	4.6	36
28	Interdatabase Variability in Cortical Thickness Measurements. <i>Cerebral Cortex</i> , 2019, 29, 3282-3293.	2.9	5
29	Effect of aerobic exercise on white matter microstructure in the aging brain. <i>Behavioural Brain Research</i> , 2019, 373, 112042.	2.2	31
30	Novel Genetic Locus of Visceral Fat and Systemic Inflammation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 3735-3742.	3.6	11
31	Predicting high-intensity focused ultrasound thalamotomy lesions using 2D magnetic resonance thermometry and 3D Gaussian modeling. <i>Medical Physics</i> , 2019, 46, 5722-5732.	3.0	8
32	Focused ultrasound resolves persistent radiosurgery related change in a patient with tremor. <i>Radiology Case Reports</i> , 2019, 14, 1233-1236.	0.6	3
33	Comparing CST Lesion Metrics as Biomarkers for Recovery of Motor and Proprioceptive Impairments After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 848-861.	2.9	24
34	Domperidone-induced elevation of serum prolactin levels and immune response in multiple sclerosis. <i>Journal of Neuroimmunology</i> , 2019, 334, 576974.	2.3	8
35	Proprioception and motor performance after stroke: An examination of diffusion properties in sensory and motor pathways. <i>Human Brain Mapping</i> , 2019, 40, 2995-3009.	3.6	11
36	Harmonizing brain magnetic resonance imaging methods for vascular contributions to neurodegeneration. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 191-204.	2.4	65

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37	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019, 51, 1624-1636.	21.4	192
38	Visceral fat-related systemic inflammation and the adolescent brain: a mediating role of circulating glycerophosphocholines. <i>International Journal of Obesity</i> , 2019, 43, 1223-1230.	3.4	20
39	Diffusion Magnetic Resonance Imaging. , 2019, , 505-518.		2
40	Promise and pitfalls of g-ratio estimation with MRI. <i>NeuroImage</i> , 2018, 182, 80-96.	4.2	101
41	Transverse signal decay under the weak field approximation: Theory and validation. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 341-350.	3.0	10
42	Gas-free calibrated fMRI with a correction for vessel-size sensitivity. <i>NeuroImage</i> , 2018, 169, 176-188.	4.2	16
43	Inter-Regional Variations in Gene Expression and Age-Related Cortical Thinning in the Adolescent Brain. <i>Cerebral Cortex</i> , 2018, 28, 1272-1281.	2.9	25
44	Impact of abnormal cerebrovascular reactivity on $BOLD$ fMRI: a preliminary investigation of moyamoya disease. <i>Clinical Physiology and Functional Imaging</i> , 2018, 38, 87-92.	1.2	14
45	B_1 sensitivity analysis of quantitative magnetization transfer imaging. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 276-285.	3.0	10
46	Parent Support of Preschool Peer Relationships in Younger Siblings of Children with Autism Spectrum Disorder. <i>Journal of Autism and Developmental Disorders</i> , 2018, 48, 1122-1132.	2.7	10
47	Multi-gradient echo myelin water fraction imaging: Comparison to the multi-echo spin echo technique. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1439-1446.	3.0	51
48	Impact of magnetic susceptibility anisotropy at 3T and 7T on T2*-based myelin water fraction imaging. <i>NeuroImage</i> , 2018, 182, 370-378.	4.2	19
49	Cell-Specific Gene-Expression Profiles and Cortical Thickness in the Human Brain. <i>Cerebral Cortex</i> , 2018, 28, 3267-3277.	2.9	99
50	3T MRI study discloses high intrafamilial variability in CADASIL due to a novel NOTCH3 mutation. <i>Journal of Clinical Neuroscience</i> , 2018, 58, 25-29.	1.5	2
51	Modeling hyperoxia-induced BOLD signal dynamics to estimate cerebral blood flow, volume and mean transit time. <i>NeuroImage</i> , 2018, 178, 461-474.	4.2	25
52	Sensitivity regularization of the Cram�r-Rao lower bound to minimize B_1 nonuniformity effects in quantitative magnetization transfer imaging. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2560-2572.	3.0	7
53	Whole head quantitative susceptibility mapping using a least-norm direct dipole inversion method. <i>NeuroImage</i> , 2018, 179, 166-175.	4.2	29
54	Cohort Profile: The Saguenay Youth Study (SYS). <i>International Journal of Epidemiology</i> , 2017, 46, dyw023.	1.9	47

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55	Splenium development and early spoken language in human infants. <i>Developmental Science</i> , 2017, 20, e12360.	2.4	36
56	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017, 8, 13624.	12.8	250
57	Identification and functional characterization of a novel MTFMT mutation associated with selective vulnerability of the visual pathway and a mild neurological phenotype. <i>Neurogenetics</i> , 2017, 18, 97-103.	1.4	11
58	Structural properties of the human corpus callosum: Multimodal assessment and sex differences. <i>NeuroImage</i> , 2017, 152, 108-118.	4.2	62
59	Identification of neurovascular changes associated with cerebral amyloid angiopathy from subject-specific hemodynamic response functions. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 3433-3445.	4.3	14
60	Increased Extra-axial Cerebrospinal Fluid in High-Risk Infants Who Later Develop Autism. <i>Biological Psychiatry</i> , 2017, 82, 186-193.	1.3	173
61	Early brain development in infants at high risk for autism spectrum disorder. <i>Nature</i> , 2017, 542, 348-351.	27.8	808
62	How restful is it with all that noise? Comparison of Interleaved silent steady state (ISSS) and conventional imaging in resting-state fMRI. <i>NeuroImage</i> , 2017, 147, 726-735.	4.2	38
63	Neural circuitry at age 6 months associated with later repetitive behavior and sensory responsiveness in autism. <i>Molecular Autism</i> , 2017, 8, 8.	4.9	111
64	B ₁ mapping for bias correction in quantitative T ₁ imaging of the brain at 3T using standard pulse sequences. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 1673-1682.	3.4	53
65	The Emergence of Network Inefficiencies in Infants With Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2017, 82, 176-185.	1.3	93
66	Income inequality, gene expression, and brain maturation during adolescence. <i>Scientific Reports</i> , 2017, 7, 7397.	3.3	21
67	Field inhomogeneity correction for gradient echo myelin water fraction imaging. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 49-57.	3.0	24
68	Differing Time of Onset of Concurrent TMS-fMRI during Associative Memory Encoding: A Measure of Dynamic Connectivity. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 404.	2.0	21
69	A dataset of multi-contrast population-averaged brain MRI atlases of a Parkinson's disease cohort. <i>Data in Brief</i> , 2017, 12, 370-379.	1.0	94
70	The effect of dissolved oxygen on the relaxation rates of blood plasma: Implications for hyperoxia calibrated BOLD. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1905-1911.	3.0	19
71	Age- and sex-related variations in vocal-tract morphology and voice acoustics during adolescence. <i>Hormones and Behavior</i> , 2016, 81, 84-96.	2.1	58
72	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016, 19, 1569-1582.	14.8	213

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73	The effect of dissolved oxygen on the susceptibility of blood. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 363-371.	3.0	11
74	Puberty and testosterone shape the corticospinal tract during male adolescence. <i>Brain Structure and Function</i> , 2016, 221, 1083-1094.	2.3	30
75	Co-ordinated structural and functional covariance in the adolescent brain underlies face processing performance. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 556-568.	3.0	13
76	Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. <i>Nature Neuroscience</i> , 2016, 19, 420-431.	14.8	204
77	Trajectories of cortical thickness maturation in normal brain development – The importance of quality control procedures. <i>NeuroImage</i> , 2016, 125, 267-279.	4.2	251
78	Phase Error Correction in Time-Averaged 3D Phase Contrast Magnetic Resonance Imaging of the Cerebral Vasculature. <i>PLoS ONE</i> , 2016, 11, e0149930.	2.5	8
79	A pilot study using dynamic contrast enhanced-MRI as a response biomarker of the radioprotective effect of memantine in patients receiving whole brain radiotherapy. <i>Oncotarget</i> , 2016, 7, 50986-50996.	1.8	21
80	ISDN2014_0320: Testosterone shapes the corticospinal tract during adolescence. <i>International Journal of Developmental Neuroscience</i> , 2015, 47, 98-98.	1.6	0
81	Quantitative magnetization transfer imaging <i>made</i> easy with <i>q</i><sc>MTL</sc><i>ab</i>: Software for data simulation, analysis, and visualization. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2015, 44A, 263-277.	0.5	39
82	Patient specific hemodynamic response functions associated with interictal discharges recorded via simultaneous intracranial <sc>EEG</sc>&€f<sc>MRI</sc>. <i>Human Brain Mapping</i> , 2015, 36, 5252-5264.	3.6	20
83	Patch-based label fusion segmentation of brainstem structures with dual-contrast MRI for Parkinson&™s disease. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2015, 10, 1029-1041.	2.8	17
84	Accurate age classification of 6 and 12 month-old infants based on resting-state functional connectivity magnetic resonance imaging data. <i>Developmental Cognitive Neuroscience</i> , 2015, 12, 123-133.	4.0	51
85	Saguenay Youth Study: A multi-generational approach to studying virtual trajectories of the brain and cardio-metabolic health. <i>Developmental Cognitive Neuroscience</i> , 2015, 11, 129-144.	4.0	11
86	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , 2015, 520, 224-229.	27.8	772
87	Identifying craniofacial features associated with prenatal exposure to androgens and testing their relationship with brain development. <i>Brain Structure and Function</i> , 2015, 220, 3233-3244.	2.3	14
88	Automatic SWI Venography Segmentation Using Conditional Random Fields. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 2478-2491.	8.9	14
89	Prediction of brain maturity based on cortical thickness at different spatial resolutions. <i>NeuroImage</i> , 2015, 111, 350-359.	4.2	90
90	Altered corpus callosum morphology associated with autism over the first 2 years of life. <i>Brain</i> , 2015, 138, 2046-2058.	7.6	169

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91	Obtaining Quantitative Information from fMRI. , 2015, , 29-35.		0
92	Improving recorded volume in mesial temporal lobe by optimizing stereotactic intracranial electrode implantation planning. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 1599-1615.	2.8	21
93	Early Cannabis Use, Polygenic Risk Score for Schizophrenia and Brain Maturation in Adolescence. JAMA Psychiatry, 2015, 72, 1002.	11.0	156
94	In vivo histology of the myelin g-ratio with magnetic resonance imaging. NeuroImage, 2015, 118, 397-405.	4.2	256
95	Quantitative analysis of the myelin g -ratio from electron microscopy images of the macaque corpus callosum. Data in Brief, 2015, 4, 368-373.	1.0	56
96	On the accuracy of T ₁ mapping: Searching for common ground. Magnetic Resonance in Medicine, 2015, 73, 514-522.	3.0	204
97	MRI-based myelin water imaging: A technical review. Magnetic Resonance in Medicine, 2015, 73, 70-81.	3.0	219
98	Multi-contrast unbiased MRI atlas of a Parkinson's disease population. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 329-341.	2.8	68
99	MOE-BRAE04: The CREATE Medical Physics Research Training Network: Training of New Generation Innovators. Medical Physics, 2015, 42, 3557-3558.	3.0	1
100	Neuronavigation using susceptibility-weighted venography: application to deep brain stimulation and comparison with gadolinium contrast. Journal of Neurosurgery, 2014, 121, 131-141.	1.6	64
101	Measurement of brain perfusion in newborns: Pulsed arterial spin labeling (PASL) versus pseudo-continuous arterial spin labeling (pCASL). NeuroImage: Clinical, 2014, 6, 126-133.	2.7	38
102	A preliminary study on the effect of motion correction on HARDI reconstruction. , 2014, 2014, 1055-1058.		4
103	Evidence for both compensatory plastic and disuse atrophy-related neuroanatomical changes in the blind. Brain, 2014, 137, 1224-1240.	7.6	54
104	Maternal cigarette smoking during pregnancy predicts drug use via externalizing behavior in two community-based samples of adolescents. Addiction, 2014, 109, 1718-1729.	3.3	28
105	Anxious/Depressed Symptoms are Linked to Right Ventromedial Prefrontal Cortical Thickness Maturation in Healthy Children and Young Adults. Cerebral Cortex, 2014, 24, 2941-2950.	2.9	149
106	Beyond Crossing Fibers: Bootstrap Probabilistic Tractography Using Complex Subvoxel Fiber Geometries. Frontiers in Neurology, 2014, 5, 216.	2.4	10
107	Subject-Independent Motion Correction in HARDI Acquisitions: Choices and Consequences. Frontiers in Neurology, 2014, 5, 240.	2.4	12
108	Estimating volumes of the pituitary gland from T1-weighted magnetic-resonance images: Effects of age, puberty, testosterone, and estradiol. NeuroImage, 2014, 94, 216-221.	4.2	44

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109	Interpreting therapeutic effect in multiple sclerosis via MRI contrast enhancing lesions: now you see them, now you donâ€™t. <i>Journal of Neurology</i> , 2014, 261, 809-816.	3.6	7
110	Potential and limitations of diffusion MRI tractography for the study of language. <i>Brain and Language</i> , 2014, 131, 65-73.	1.6	60
111	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. <i>Brain Imaging and Behavior</i> , 2014, 8, 153-182.	2.1	696
112	Longitudinal patterns of repetitive behavior in toddlers with autism. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2014, 55, 945-953.	5.2	132
113	Adiposity is associated with structural properties of the adolescent brain. <i>NeuroImage</i> , 2014, 103, 192-201.	4.2	21
114	Pathways to lexical ambiguity: fMRI evidence for bilateral fronto-parietal involvement in language processing. <i>Brain and Language</i> , 2014, 131, 56-64.	1.6	23
115	Automatic Optimization of Depth Electrode Trajectory Planning. <i>Lecture Notes in Computer Science</i> , 2014, , 99-107.	1.3	3
116	Automatic Markov Random Field Segmentation of Susceptibility-Weighted MR Venography. <i>Lecture Notes in Computer Science</i> , 2014, , 39-47.	1.3	1
117	Analysis of Scalar Maps for the Segmentation of the Corpus Callosum in Diffusion Tensor Fields. <i>Journal of Mathematical Imaging and Vision</i> , 2013, 45, 214-226.	1.3	17
118	Developmental Changes in Organization of Structural Brain Networks. <i>Cerebral Cortex</i> , 2013, 23, 2072-2085.	2.9	203
119	Functional magnetic resonance imaging suggests automatization of the cortical response to inspiratory threshold loading in humans. <i>Respiratory Physiology and Neurobiology</i> , 2013, 189, 571-580.	1.6	53
120	Does skull shape mediate the relationship between objective features and subjective impressions about the face?. <i>NeuroImage</i> , 2013, 79, 234-240.	4.2	8
121	Imaging of Demyelination and Remyelination in Multiple Sclerosis. , 2013, , 233-253.		4
122	Adaptive prior probability and spatial temporal intensity change estimation for segmentation of the one-year-old human brain. <i>Journal of Neuroscience Methods</i> , 2013, 212, 43-55.	2.5	29
123	Breastfeeding and brain structure in adolescence. <i>International Journal of Epidemiology</i> , 2013, 42, 150-159.	1.9	69
124	A Prospective Evaluation of Computer-Assisted Deep Brain Stimulation Trajectory Planning. <i>Lecture Notes in Computer Science</i> , 2013, , 42-49.	1.3	5
125	Cortical Surface Analysis of Multi-contrast MR Data to Improve Detection of Cortical Pathology in Multiple Sclerosis. <i>Lecture Notes in Computer Science</i> , 2013, , 138-149.	1.3	0
126	Indication of BOLD-Specific Venous Flow-Volume Changes from Precisely Controlled Hyperoxic vs. Hypercapnic Calibration. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 709-719.	4.3	25

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127	Differences in White Matter Fiber Tract Development Present From 6 to 24 Months in Infants With Autism. <i>American Journal of Psychiatry</i> , 2012, 169, 589-600.	7.2	555
128	KCTD8 Gene and Brain Growth in Adverse Intrauterine Environment: A Genome-wide Association Study. <i>Cerebral Cortex</i> , 2012, 22, 2634-2642.	2.9	35
129	Brain Volume Findings in 6-Month-Old Infants at High Familial Risk for Autism. <i>American Journal of Psychiatry</i> , 2012, 169, 601-608.	7.2	83
130	Common variants at 12q14 and 12q24 are associated with hippocampal volume. <i>Nature Genetics</i> , 2012, 44, 545-551.	21.4	212
131	Total and Regional Brain Volumes in a Population-Based Normative Sample from 4 to 18 Years: The NIH MRI Study of Normal Brain Development. <i>Cerebral Cortex</i> , 2012, 22, 1-12.	2.9	322
132	Quantitative Magnetic Resonance Imaging of Cortical Multiple Sclerosis Pathology. <i>Multiple Sclerosis International</i> , 2012, 2012, 1-13.	0.8	35
133	Decreased Regional Cortical Thickness and Thinning Rate Are Associated With Inattention Symptoms in Healthy Children. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2012, 51, 18-27.e2.	0.5	82
134	Identification of common variants associated with human hippocampal and intracranial volumes. <i>Nature Genetics</i> , 2012, 44, 552-561.	21.4	594
135	Development of the action observation network during early adolescence: a longitudinal study. <i>Social Cognitive and Affective Neuroscience</i> , 2012, 7, 64-80.	3.0	35
136	Not all ambiguous words are created equal: An EEG investigation of homonymy and polysemy. <i>Brain and Language</i> , 2012, 123, 11-21.	1.6	97
137	Quantitative functional MRI: Concepts, issues and future challenges. <i>NeuroImage</i> , 2012, 62, 1234-1240.	4.2	65
138	Anatomical correlates of dynamic auditory processing: Relationship to literacy during early adolescence. <i>NeuroImage</i> , 2012, 60, 1287-1295.	4.2	16
139	A multi-modal approach to computer-assisted deep brain stimulation trajectory planning. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2012, 7, 687-704.	2.8	71
140	Changes in Callosal Motor Fiber Integrity after Subcortical Stroke of the Pyramidal Tract. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 1515-1524.	4.3	34
141	Multicontrast multiecho FLASH MRI for targeting the subthalamic nucleus. <i>Magnetic Resonance Imaging</i> , 2012, 30, 627-640.	1.8	44
142	Evidence for a virtual human analog of a rodent relational memory task: A study of aging and fMRI in young adults. <i>Hippocampus</i> , 2012, 22, 869-880.	1.9	94
143	Atlas-Based Segmentation of the Subthalamic Nucleus, Red Nucleus, and Substantia Nigra for Deep Brain Stimulation by Incorporating Multiple MRI Contrasts. <i>Lecture Notes in Computer Science</i> , 2012, , 135-145.	1.3	14
144	Towards Computer-Assisted Deep Brain Stimulation Targeting with Multiple Active Contacts. <i>Lecture Notes in Computer Science</i> , 2012, 15, 487-494.	1.3	8

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145	Right Anterior Cingulate Cortical Thickness and Bilateral Striatal Volume Correlate with Child Behavior Checklist Aggressive Behavior Scores in Healthy Children. <i>Biological Psychiatry</i> , 2011, 70, 283-290.	1.3	86
146	Cortical thickness correlates of specific cognitive performance accounted for by the general factor of intelligence in healthy children aged 6 to 18. <i>NeuroImage</i> , 2011, 55, 1443-1453.	4.2	152
147	Unbiased average age-appropriate atlases for pediatric studies. <i>NeuroImage</i> , 2011, 54, 313-327.	4.2	1,825
148	Improved fMRI calibration: Precisely controlled hyperoxic versus hypercapnic stimuli. <i>NeuroImage</i> , 2011, 54, 1102-1111.	4.2	71
149	Superficially Located White Matter Structures Commonly Seen in the Human and the Macaque Brain with Diffusion Tensor Imaging. <i>Brain Connectivity</i> , 2011, 1, 37-47.	1.7	37
150	Automatic Trajectory Planning of DBS Neurosurgery from Multi-modal MRI Datasets. <i>Lecture Notes in Computer Science</i> , 2011, 14, 259-266.	1.3	27
151	Testosterone-mediated sex differences in the face shape during adolescence: Subjective impressions and objective features. <i>Hormones and Behavior</i> , 2011, 60, 681-690.	2.1	85
152	Negative Associations between Corpus Callosum Midsagittal Area and IQ in a Representative Sample of Healthy Children and Adolescents. <i>PLoS ONE</i> , 2011, 6, e19698.	2.5	35
153	Automated Analysis of Craniofacial Morphology Using Magnetic Resonance Images. <i>PLoS ONE</i> , 2011, 6, e20241.	2.5	24
154	Fronto-temporal disconnectivity and clinical short-term outcome in first episode psychosis: A DTI-tractography study. <i>Journal of Psychiatric Research</i> , 2011, 45, 369-377.	3.1	77
155	Informed consent for MRI and fMRI research: Analysis of a sample of Canadian consent documents. <i>BMC Medical Ethics</i> , 2011, 12, 1.	2.4	75
156	Dual-echo temporal resolution dynamic contrast-enhanced MRI protocol for blood-brain barrier permeability measurement in enhancing multiple sclerosis lesions. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 1291-1300.	3.4	42
157	Iterative optimization method for design of quantitative magnetization transfer imaging experiments. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 635-643.	3.0	11
158	Development of Functional Connectivity during Adolescence: A Longitudinal Study Using an Action-Observation Paradigm. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 3713-3724.	2.3	15
159	Apparent Intravoxel Fibre Population Dispersion (FPD) Using Spherical Harmonics. <i>Lecture Notes in Computer Science</i> , 2011, 14, 157-165.	1.3	6
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