

Bruce Pike

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1880531/publications.pdf>

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	A probabilistic atlas and reference system for the human brain: International Consortium for Brain Mapping (ICBM). Philosophical Transactions of the Royal Society B: Biological Sciences, 2001, 356, 1293-1322.	4.0	1,959
2	Unbiased average age-appropriate atlases for pediatric studies. NeuroImage, 2011, 54, 313-327.	4.2	1,825
3	Voice-selective areas in human auditory cortex. Nature, 2000, 403, 309-312.	27.8	1,582
4	Stereotaxic white matter atlas based on diffusion tensor imaging in an ICBM template. NeuroImage, 2008, 40, 570-582.	4.2	1,528
5	Early brain development in infants at high risk for autism spectrum disorder. Nature, 2017, 542, 348-351.	27.8	808
6	Maturation of white matter in the human brain: a review of magnetic resonance studies. Brain Research Bulletin, 2001, 54, 255-266.	3.0	788
7	Common genetic variants influence human subcortical brain structures. Nature, 2015, 520, 224-229.	27.8	772
8	Cognitive Strategies Dependent on the Hippocampus and Caudate Nucleus in Human Navigation: Variability and Change with Practice. Journal of Neuroscience, 2003, 23, 5945-5952.	3.6	696
9	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. Brain Imaging and Behavior, 2014, 8, 153-182.	2.1	696
10	Identification of common variants associated with human hippocampal and intracranial volumes. Nature Genetics, 2012, 44, 552-561.	21.4	594
11	MRI simulation-based evaluation of image-processing and classification methods. IEEE Transactions on Medical Imaging, 1999, 18, 1085-1097.	8.9	588
12	Differences in White Matter Fiber Tract Development Present From 6 to 24 Months in Infants With Autism. American Journal of Psychiatry, 2012, 169, 589-600.	7.2	555
13	Investigation of BOLD signal dependence on cerebral blood flow and oxygen consumption: The deoxyhemoglobin dilution model. Magnetic Resonance in Medicine, 1999, 42, 849-863.	3.0	538
14	Linear coupling between cerebral blood flow and oxygen consumption in activated human cortex. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 9403-9408.	7.1	524
15	Human brain white matter atlas: Identification and assignment of common anatomical structures in superficial white matter. NeuroImage, 2008, 43, 447-457.	4.2	486
16	Atlas-based whole brain white matter analysis using large deformation diffeomorphic metric mapping: Application to normal elderly and Alzheimer's disease participants. NeuroImage, 2009, 46, 486-499.	4.2	456
17	The genetic architecture of the human cerebral cortex. Science, 2020, 367, .	12.6	450
18	A New Anatomical Landmark for Reliable Identification of Human Area V5/MT: a Quantitative Analysis of Sulcal Patterning. Cerebral Cortex, 2000, 10, 454-463.	2.9	433

#	ARTICLE	IF	CITATIONS
19	Dissociating the Human Language Pathways with High Angular Resolution Diffusion Fiber Tractography. <i>Journal of Neuroscience</i> , 2008, 28, 11435-11444.	3.6	421
20	Quantitative imaging of magnetization transfer exchange and relaxation properties in vivo using MRI. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 923-931.	3.0	353
21	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
22	A Four-Dimensional Probabilistic Atlas of the Human Brain. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2001, 8, 401-430.	4.4	313
23	Growth of White Matter in the Adolescent Brain: Role of Testosterone and Androgen Receptor. <i>Journal of Neuroscience</i> , 2008, 28, 9519-9524.	3.6	292
24	Hemodynamic and metabolic responses to neuronal inhibition. <i>NeuroImage</i> , 2004, 22, 771-778.	4.2	279
25	Atlas-guided tract reconstruction for automated and comprehensive examination of the white matter anatomy. <i>NeuroImage</i> , 2010, 52, 1289-1301.	4.2	277
26	Event-Related fMRI of the Auditory Cortex. <i>NeuroImage</i> , 1999, 10, 417-429.	4.2	276
27	Exploring the Williams syndrome face-processing debate: the importance of building developmental trajectories. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2004, 45, 1258-1274.	5.2	266
28	In vivo histology of the myelin g-ratio with magnetic resonance imaging. <i>NeuroImage</i> , 2015, 118, 397-405.	4.2	256
29	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
30	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017, 8, 13624.	12.8	250
31	The cortical deficit in humans with strabismic amblyopia. <i>Journal of Physiology</i> , 2001, 533, 281-297.	2.9	219
32	MRI-based myelin water imaging: A technical review. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 70-81.	3.0	219
33	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016, 19, 1569-1582.	14.8	213
34	Common variants at 12q14 and 12q24 are associated with hippocampal volume. <i>Nature Genetics</i> , 2012, 44, 545-551.	21.4	212
35	Brain Size and Folding of the Human Cerebral Cortex. <i>Cerebral Cortex</i> , 2008, 18, 2352-2357.	2.9	209
36	On the accuracy of T ₁ mapping: Searching for common ground. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 514-522.	3.0	204

#	ARTICLE	IF	CITATIONS
37	Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. <i>Nature Neuroscience</i> , 2016, 19, 420-431.	14.8	204
38	EEG-fMRI of focal epileptic spikes: Analysis with multiple haemodynamic functions and comparison with gadolinium-enhanced MR angiograms. <i>Human Brain Mapping</i> , 2004, 22, 179-192.	3.6	203
39	Developmental Changes in Organization of Structural Brain Networks. <i>Cerebral Cortex</i> , 2013, 23, 2072-2085.	2.9	203
40	The BOLD Response to Interictal Epileptiform Discharges. <i>NeuroImage</i> , 2002, 17, 1182-1192.	4.2	199
41	Twenty New Digital Brain Phantoms for Creation of Validation Image Data Bases. <i>IEEE Transactions on Medical Imaging</i> , 2006, 25, 1410-1416.	8.9	198
42	fMRI Activation in Continuous and Spike-triggered EEG-fMRI Studies of Epileptic Spikes. <i>Epilepsia</i> , 2003, 44, 1328-1339.	5.1	196
43	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019, 51, 1624-1636.	21.4	192
44	Sex differences in the growth of white matter during adolescence. <i>NeuroImage</i> , 2009, 45, 1055-1066.	4.2	179
45	Standing-wave and RF penetration artifacts caused by elliptic geometry: an electrodynamic analysis of MRI. <i>IEEE Transactions on Medical Imaging</i> , 1998, 17, 653-662.	8.9	174
46	Multiple Sclerosis: Magnetization Transfer MR Imaging of White Matter before Lesion Appearance on T2-weighted Images. <i>Radiology</i> , 2000, 215, 824-830.	7.3	174
47	Increased Extra-axial Cerebrospinal Fluid in High-Risk Infants Who Later Develop Autism. <i>Biological Psychiatry</i> , 2017, 82, 186-193.	1.3	173
48	Quantitative Interpretation of Magnetization Transfer in Spoiled Gradient Echo MRI Sequences. <i>Journal of Magnetic Resonance</i> , 2000, 145, 24-36.	2.1	169
49	Imaging speech production using fMRI. <i>NeuroImage</i> , 2005, 26, 294-301.	4.2	169
50	Altered corpus callosum morphology associated with autism over the first 2 years of life. <i>Brain</i> , 2015, 138, 2046-2058.	7.6	169
51	Magnetization transfer time-of-flight magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , 1992, 25, 372-379.	3.0	167
52	Early Cannabis Use, Polygenic Risk Score for Schizophrenia and Brain Maturation in Adolescence. <i>JAMA Psychiatry</i> , 2015, 72, 1002.	11.0	156
53	Flow-based fiber tracking with diffusion tensor and q-ball data: Validation and comparison to principal diffusion direction techniques. <i>NeuroImage</i> , 2005, 27, 725-736.	4.2	155
54	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

#	ARTICLE	IF	CITATIONS
55	Anxious/Depressed Symptoms are Linked to Right Ventromedial Prefrontal Cortical Thickness Maturation in Healthy Children and Young Adults. <i>Cerebral Cortex</i> , 2014, 24, 2941-2950.	2.9	149
56	Global Cerebral Oxidative Metabolism during Hypercapnia and Hypocapnia in Humans: Implications for BOLD fMRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 1094-1099.	4.3	144
57	Hippocampal volume is as variable in young as in older adults: Implications for the notion of hippocampal atrophy in humans. <i>NeuroImage</i> , 2007, 34, 479-485.	4.2	136
58	BOLD-specific cerebral blood volume and blood flow changes during neuronal activation in humans. <i>NMR in Biomedicine</i> , 2009, 22, 1054-1062.	2.8	134
59	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
60	The effect of template choice on morphometric analysis of pediatric brain data. <i>NeuroImage</i> , 2009, 45, 769-777.	4.2	131
61	Prenatal Exposure to Maternal Cigarette Smoking and the Adolescent Cerebral Cortex. <i>Neuropsychopharmacology</i> , 2008, 33, 1019-1027.	5.4	130
62	T2 Relaxometry Can Lateralize Mesial Temporal Lobe Epilepsy in Patients with Normal MRI. <i>NeuroImage</i> , 2000, 12, 739-746.	4.2	129
63	Sexual dimorphism in the adolescent brain: Role of testosterone and androgen receptor in global and local volumes of grey and white matter. <i>Hormones and Behavior</i> , 2010, 57, 63-75.	2.1	126
64	Density compensation functions for spiral MRI. <i>Magnetic Resonance in Medicine</i> , 1997, 38, 117-128.	3.0	121
65	The associations among hippocampal volume, cortisol reactivity, and memory performance in healthy young men. <i>Psychiatry Research - Neuroimaging</i> , 2007, 155, 1-10.	1.8	120
66	Differentiating Noxious- and Innocuous-Related Activation of Human Somatosensory Cortices Using Temporal Analysis of fMRI. <i>Journal of Neurophysiology</i> , 2002, 88, 464-474.	1.8	118
67	Stimulus-Dependent BOLD and Perfusion Dynamics in Human V1. <i>NeuroImage</i> , 1999, 9, 573-585.	4.2	115
68	Genes, maternal smoking, and the offspring brain and body during adolescence: Design of the Saguenay Youth Study. <i>Human Brain Mapping</i> , 2007, 28, 502-518.	3.6	113
69	MRI measurement of the BOLD-specific flow-volume relationship during hypercapnia and hypocapnia in humans. <i>NeuroImage</i> , 2010, 53, 383-391.	4.2	113
70	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
71	Pulsed magnetization transfer contrast in gradient echo imaging: A two-pool analytic description of signal response. <i>Magnetic Resonance in Medicine</i> , 1996, 36, 95-103.	3.0	108
72	Hemodynamic and metabolic responses to activation, deactivation and epileptic discharges. <i>NeuroImage</i> , 2005, 28, 205-215.	4.2	108

#	ARTICLE	IF	CITATIONS
73	Magnetization transfer can predict clinical evolution in patients with multiple sclerosis. <i>Journal of Neurology</i> , 2002, 249, 662-668.	3.6	102
74	Three-Point Phase-Contrast Velocity Measurements with Increased Velocity-to-Noise Ratio. <i>Magnetic Resonance in Medicine</i> , 1995, 33, 122-126.	3.0	101
75	Quantitative magnetic resonance imaging in the assessment of degenerative disc disease. <i>Magnetic Resonance in Medicine</i> , 1998, 40, 900-907.	3.0	101
76	Quantitative magnetization transfer and myelin water imaging of the evolution of acute multiple sclerosis lesions. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 633-640.	3.0	101
77	Promise and pitfalls of g-ratio estimation with MRI. <i>NeuroImage</i> , 2018, 182, 80-96.	4.2	101
78	Cell-Specific Gene-Expression Profiles and Cortical Thickness in the Human Brain. <i>Cerebral Cortex</i> , 2018, 28, 3267-3277.	2.9	99
79	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
80	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
81	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
82	Orbitofrontal Cortex and Drug Use During Adolescence. <i>Archives of General Psychiatry</i> , 2009, 66, 1244.	12.3	93
83	Associations Between IQ, Total and Regional Brain Volumes, and Demography in a Large Normative Sample of Healthy Children and Adolescents. <i>Developmental Neuropsychology</i> , 2010, 35, 296-317.	1.4	93
84	The Emergence of Network Inefficiencies in Infants With Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2017, 82, 176-185.	1.3	93
85	Regional variations in normal brain shown by quantitative magnetization transfer imaging. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 299-303.	3.0	90
86	Prediction of brain maturity based on cortical thickness at different spatial resolutions. <i>NeuroImage</i> , 2015, 111, 350-359.	4.2	90
87	The effect of global cerebral vasodilation on focal activation hemodynamics. <i>NeuroImage</i> , 2006, 30, 726-734.	4.2	89
88	Presurgical motor and somatosensory cortex mapping with functional magnetic resonance imaging and positron emission tomography. <i>Journal of Neurosurgery</i> , 1999, 91, 915-921.	1.6	88
89	Increased expression and processing of caspase-12 after traumatic brain injury in rats. <i>Journal of Neurochemistry</i> , 2004, 88, 78-90.	3.9	88
90	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

#	ARTICLE	IF	CITATIONS
91	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
92	Correction for B1 and B0 variations in quantitative T2 measurements using MRI. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 589-593.	3.0	84
93	Origins of the BOLD post-stimulus undershoot. <i>NeuroImage</i> , 2009, 46, 559-568.	4.2	83
94	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
95	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
96	Magnetic resonance velocity imaging using a fast spiral phase contrast sequence. <i>Magnetic Resonance in Medicine</i> , 1994, 32, 476-483.	3.0	80
97	Magnetic Resonance Imaging in the Evaluation of Central Nervous System Manifestations in Systemic Lupus Erythematosus. <i>Clinical Reviews in Allergy and Immunology</i> , 2008, 34, 361-366.	6.5	80
98	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
99	Using patient-specific hemodynamic response functions in combined EEG-fMRI studies in epilepsy. <i>NeuroImage</i> , 2003, 20, 1162-1170.	4.2	76
100	T_2 relaxometry of normal pediatric brain development. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 258-267.	3.4	76
101	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
102	Human whole blood T_2 relaxometry at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 249-254.	3.0	73
103	Characterizing healthy and diseased white matter using quantitative magnetization transfer and multicomponent T_2 relaxometry: A unified view via a four-pool model. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 1487-1496.	3.0	73
104	Precise control of end-tidal carbon dioxide and oxygen improves BOLD and ASL cerebrovascular reactivity measures. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 749-756.	3.0	71
105	Improved fMRI calibration: Precisely controlled hyperoxic versus hypercapnic stimuli. <i>NeuroImage</i> , 2011, 54, 1102-1111.	4.2	71
106	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
107	Brain volumes and Val66Met polymorphism of the BDNF gene: local or global effects?. <i>Brain Structure and Function</i> , 2009, 213, 501-509.	2.3	70
108	Labeling of ambiguous subvoxel fibre bundle configurations in high angular resolution diffusion MRI. <i>NeuroImage</i> , 2008, 41, 58-68.	4.2	69

#	ARTICLE	IF	CITATIONS
109	Breastfeeding and brain structure in adolescence. International Journal of Epidemiology, 2013, 42, 150-159.	1.9	69
110	Mathematical methods for diffusion MRI processing. NeuroImage, 2009, 45, S111-S122.	4.2	68
111	Gradient distortions in MRI: Characterizing and correcting for their effects on SIENA-generated measures of brain volume change. NeuroImage, 2010, 49, 1601-1611.	4.2	68
112	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
113	The effect of spatial and temporal information on saccades and neural activity in oculomotor structures. Brain, 2002, 125, 123-139.	7.6	67
114	Analysis of the EEG-fMRI response to prolonged bursts of interictal epileptiform activity. NeuroImage, 2005, 24, 1099-1112.	4.2	66
115	Sensitivity of voxel-based morphometry analysis to choice of imaging protocol at 3T. NeuroImage, 2009, 44, 827-838.	4.2	66
116	Dose distributions in dynamic stereotactic radiosurgery. Medical Physics, 1987, 14, 780-789.	3.0	65
117	Quantitative functional MRI: Concepts, issues and future challenges. NeuroImage, 2012, 62, 1234-1240.	4.2	65
118	Harmonizing brain magnetic resonance imaging methods for vascular contributions to neurodegeneration. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 191-204.	2.4	65
119	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
120	An inverse problem approach to the correction of distortion in EPI images. IEEE Transactions on Medical Imaging, 2000, 19, 681-689.	8.9	63
121	Optimal location of thalamotomy lesions for tremor associated with Parkinson disease: a probabilistic analysis based on postoperative magnetic resonance imaging and an integrated digital atlas. Journal of Neurosurgery, 2002, 96, 854-866.	1.6	62
122	Structural properties of the human corpus callosum: Multimodal assessment and sex differences. NeuroImage, 2017, 152, 108-118.	4.2	62
123	Venous refocusing for volume estimation: VERVE functional magnetic resonance imaging. Magnetic Resonance in Medicine, 2005, 53, 339-347.	3.0	61
124	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. Nature Communications, 2020, 11, 4796.	12.8	61
125	Oxidative metabolism and the detection of neuronal activation via imaging. Journal of Chemical Neuroanatomy, 2001, 22, 43-52.	2.1	60
126	Quantitative analysis of temporal lobe white matter T2 relaxation time in temporal lobe epilepsy. NeuroImage, 2004, 23, 318-324.	4.2	60

#	ARTICLE	IF	CITATIONS
127	Potential and limitations of diffusion MRI tractography for the study of language. <i>Brain and Language</i> , 2014, 131, 65-73.	1.6	60
128	Temporal and spatial profile of caspase 8 expression and proteolysis after experimental traumatic brain injury. <i>Journal of Neurochemistry</i> , 2001, 78, 862-873.	3.9	59
129	Axonal injury in the cerebral normal-appearing white matter of patients with multiple sclerosis is related to concurrent demyelination in lesions but not to concurrent demyelination in normal-appearing white matter. <i>NeuroImage</i> , 2006, 29, 637-642.	4.2	59
130	Handedness, motor skills and maturation of the corticospinal tract in the adolescent brain. <i>Human Brain Mapping</i> , 2009, 30, 3151-3162.	3.6	59
131	MRI of healthy brain aging: A review. <i>NMR in Biomedicine</i> , 2021, 34, e4564.	2.8	59
132	Interictal Spikes Increase Cerebral Glucose Metabolism and Blood Flow: A PET Study. <i>Epilepsia</i> , 1999, 40, 170-178.	5.1	58
133	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
134	Pulsed magnetization transfer spin-echo MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1993, 3, 531-539.	3.4	56
135	Correspondence between EEG-fMRI and EEG dipole localisation of interictal discharges in focal epilepsy. <i>NeuroImage</i> , 2006, 30, 417-425.	4.2	56
136	Quantitative analysis of the myelin g -ratio from electron microscopy images of the macaque corpus callosum. <i>Data in Brief</i> , 2015, 4, 368-373.	1.0	56
137	The role of edema and demyelination in chronic T1 black holes: A quantitative magnetization transfer study. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 21, 103-110.	3.4	55
138	Corpus callosum in adolescent offspring exposed prenatally to maternal cigarette smoking. <i>NeuroImage</i> , 2008, 40, 435-441.	4.2	55
139	Human whole-blood relaxometry at 1.5T: Assessment of diffusion and exchange models. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 716-723.	3.0	54
140	Evidence for both compensatory plastic and disuse atrophy-related neuroanatomical changes in the blind. <i>Brain</i> , 2014, 137, 1224-1240.	7.6	54
141	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
142	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
143	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
144	3D curve inference for diffusion MRI regularization and fibre tractography†. <i>Medical Image Analysis</i> , 2006, 10, 799-813.	11.6	52

#	ARTICLE	IF	CITATIONS
145	Morphological properties of the action-observation cortical network in adolescents with low and high resistance to peer influence. <i>Social Neuroscience</i> , 2008, 3, 303-316.	1.3	51
146	Cerebral Blood Flow Measurement Using fMRI and PET: A Cross-Validation Study. <i>International Journal of Biomedical Imaging</i> , 2008, 2008, 1-12.	3.9	51
147	Measuring Demyelination and Remyelination in Acute Multiple Sclerosis Lesion Voxels. <i>Archives of Neurology</i> , 2009, 66, 375-81.	4.5	51
148	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
149	Multi-echo 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
150	Selective activation of the ventrolateral prefrontal cortex in the human brain during active retrieval processing. <i>European Journal of Neuroscience</i> , 2001, 14, 1164-1170.	2.6	49
151	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
152	Cohort Profile: The Saguenay Youth Study (SYS). <i>International Journal of Epidemiology</i> , 2017, 46, dyw023.	1.9	47
153	Transcranial Magnetic Stimulation of Frontal Oculomotor Regions during Smooth Pursuit. <i>Journal of Neuroscience</i> , 2006, 26, 458-466.	3.6	46
154	Multicontrast multi-echo FLASH MRI for targeting the subthalamic nucleus. <i>Magnetic Resonance Imaging</i> , 2012, 30, 627-640.	1.8	44
155	Estimating volumes of the pituitary gland from T1-weighted magnetic-resonance images: Effects of age, puberty, testosterone, and estradiol. <i>NeuroImage</i> , 2014, 94, 216-221.	4.2	44
156	Regional impact of field strength on voxel-based morphometry results. <i>Human Brain Mapping</i> , 2010, 31, 943-957.	3.6	42
157	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
158	Reproducibility of <i>in vivo</i> magnetic resonance imaging-based measurement of myelin water. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 60-68.	3.4	41
159	Quantitative magnetization transfer imaging made easy with <i>qMT</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
160	Bandwidth-modulated adiabatic RF pulses for uniform selective saturation and inversion. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 1190-1199.	3.0	38
161	Measurement of brain perfusion in newborns: Pulsed arterial spin labeling (PASL) versus pseudo-continuous arterial spin labeling (pCASL). <i>NeuroImage: Clinical</i> , 2014, 6, 126-133.	2.7	38
162	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

#	ARTICLE	IF	CITATIONS
163	Radiosurgery with photon beams: physical aspects and adequacy of linear accelerators. Radiotherapy and Oncology, 1990, 17, 349-358.	0.6	37
164	Superficially Located White Matter Structures Commonly Seen in the Human and the Macaque Brain with Diffusion Tensor Imaging. Brain Connectivity, 2011, 1, 37-47.	1.7	37
165	Splenium development and early spoken language in human infants. Developmental Science, 2017, 20, e12360.	2.4	36
166	qMRLab: Quantitative MRI analysis, under one umbrella. Journal of Open Source Software, 2020, 5, 2343.	4.6	36
167	Negative Associations between Corpus Callosum Midsagittal Area and IQ in a Representative Sample of Healthy Children and Adolescents. PLoS ONE, 2011, 6, e19698.	2.5	35
168	KCTD8 Gene and Brain Growth in Adverse Intrauterine Environment: A Genome-wide Association Study. Cerebral Cortex, 2012, 22, 2634-2642.	2.9	35
169	Quantitative Magnetic Resonance Imaging of Cortical Multiple Sclerosis Pathology. Multiple Sclerosis International, 2012, 2012, 1-13.	0.8	35
170	Development of the action observation network during early adolescence: a longitudinal study. Social Cognitive and Affective Neuroscience, 2012, 7, 64-80.	3.0	35
171	Perfusion-based functional magnetic resonance imaging with single-shot RARE and GRASE acquisitions. Magnetic Resonance in Medicine, 1999, 41, 132-136.	3.0	34
172	Changes in Callosal Motor Fiber Integrity after Subcortical Stroke of the Pyramidal Tract. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 1515-1524.	4.3	34
173	Perspectives of Canadian Researchers on Ethics Review of Neuroimaging Research. Journal of Empirical Research on Human Research Ethics, 2010, 5, 49-66.	1.3	32
174	Dose distributions in radiosurgery. Medical Physics, 1990, 17, 296-304.	3.0	31
175	Effect of aerobic exercise on white matter microstructure in the aging brain. Behavioural Brain Research, 2019, 373, 112042.	2.2	31
176	Puberty and testosterone shape the corticospinal tract during male adolescence. Brain Structure and Function, 2016, 221, 1083-1094.	2.3	30
177	Effects of copy number variations on brain structure and risk for psychiatric illness: Large-scale studies from the ENIGMA working groups on CNVs. Human Brain Mapping, 2022, 43, 300-328.	3.6	30
178	Adaptive prior probability and spatial temporal intensity change estimation for segmentation of the one-year-old human brain. Journal of Neuroscience Methods, 2013, 212, 43-55.	2.5	29
179	Whole head quantitative susceptibility mapping using a least-norm direct dipole inversion method. NeuroImage, 2018, 179, 166-175.	4.2	29
180	Effects of Injury Severity on Regional and Temporal mRNA Expression Levels of Calpains and Caspases after Traumatic Brain Injury in Rats. Journal of Neurotrauma, 2004, 21, 829-841.	3.4	28

#	ARTICLE	IF	CITATIONS
181	The role of the anterior cingulate cortex in pitch variation during sad affect. European Journal of Neuroscience, 2004, 19, 458-464.	2.6	28
182	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
183	Reproducibility of quantitative magnetization-transfer imaging parameters from repeated measurements. Magnetic Resonance in Medicine, 2010, 64, 391-400.	3.0	27
184	Automatic Trajectory Planning of DBS Neurosurgery from Multi-modal MRI Datasets. Lecture Notes in Computer Science, 2011, 14, 259-266.	1.3	27
185	Indication of BOLD-Specific Venous Flow-Volume Changes from Precisely Controlled Hyperoxic vs. Hypercapnic Calibration. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 709-719.	4.3	25
186	Inter-Regional Variations in Gene Expression and Age-Related Cortical Thinning in the Adolescent Brain. Cerebral Cortex, 2018, 28, 1272-1281.	2.9	25
187	Modeling hyperoxia-induced BOLD signal dynamics to estimate cerebral blood flow, volume and mean transit time. NeuroImage, 2018, 178, 461-474.	4.2	25
188	xQSM: quantitative susceptibility mapping with octave convolutional and noise-regularized neural networks. NMR in Biomedicine, 2021, 34, e4461.	2.8	25
189	Automated Analysis of Craniofacial Morphology Using Magnetic Resonance Images. PLoS ONE, 2011, 6, e20241.	2.5	24
190	Field inhomogeneity correction for gradient echo myelin water fraction imaging. Magnetic Resonance in Medicine, 2017, 78, 49-57.	3.0	24
191	Comparing CST Lesion Metrics as Biomarkers for Recovery of Motor and Proprioceptive Impairments After Stroke. Neurorehabilitation and Neural Repair, 2019, 33, 848-861.	2.9	24
192	1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. Translational Psychiatry, 2021, 11, 182.	4.8	24
193	MRI in Varicella-Zoster Virus Leukoencephalitis in the Immunocompromised Host. Journal of Computer Assisted Tomography, 1993, 17, 313-316.	0.9	23
194	Systemic Administration of a Calpain Inhibitor Reduces Behavioral Deficits and Blood-Brain Barrier Permeability Changes after Experimental Subarachnoid Hemorrhage in the Rat. Journal of Neurotrauma, 2002, 19, 887-896.	3.4	23
195	Pathways to lexical ambiguity: fMRI evidence for bilateral fronto-parietal involvement in language processing. Brain and Language, 2014, 131, 56-64.	1.6	23
196	Extracting more for less: multi-echo MP2RAGE for simultaneous T ₁ -weighted imaging, T ₁ mapping, mapping, SWI, and QSM from a single acquisition. Magnetic Resonance in Medicine, 2020, 83, 1178-1191.	3.0	23
197	Prenatal exposure to maternal cigarette smoking interacts with a polymorphism in the ± 6 nicotinic acetylcholine receptor gene to influence drug use and striatum volume in adolescence. Molecular Psychiatry, 2010, 15, 6-8.	7.9	22
198	Understanding intensity non-uniformity in MRI. Lecture Notes in Computer Science, 1998, , 614-622.	1.3	21

#	ARTICLE	IF	CITATIONS
199	Adiposity is associated with structural properties of the adolescent brain. <i>NeuroImage</i> , 2014, 103, 192-201.	4.2	21
200	Improving recorded volume in mesial temporal lobe by optimizing stereotactic intracranial electrode implantation planning. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2015, 10, 1599-1615.	2.8	21
201	Income inequality, gene expression, and brain maturation during adolescence. <i>Scientific Reports</i> , 2017, 7, 7397.	3.3	21
202	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
203	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
204	Reducing contamination while closing the gap: BASSI RF pulses in PASL. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 865-873.	3.0	20
205	Patient specific hemodynamic response functions associated with interictal discharges recorded via simultaneous intracranial <sc>EEG</sc>â€f<sc>MRI</sc>. <i>Human Brain Mapping</i> , 2015, 36, 5252-5264.	3.6	20
206	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
207	Automated Analysis of Multi Site MRI Phantom Data for the NIHPD Project. <i>Lecture Notes in Computer Science</i> , 2006, 9, 144-151.	1.3	20
208	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
209	Impact of magnetic susceptibility anisotropy at 3ÂT and 7ÂT on T2*-based myelin water fraction imaging. <i>NeuroImage</i> , 2018, 182, 370-378.	4.2	19
210	QuantitativeT2 in the occipital lobe: The role of the CPMG refocusing rate. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 18, 302-309.	3.4	18
211	Cerebral OEF quantification: A comparison study between quantitative susceptibility mapping and dualâ€gas calibrated BOLD imaging. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 68-82.	3.0	18
212	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
213	Patch-based label fusion segmentation of brainstem structures with dual-contrast MRI for Parkinsonâ€™s disease. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2015, 10, 1029-1041.	2.8	17
214	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
215	Anatomical correlates of dynamic auditory processing: Relationship to literacy during early adolescence. <i>NeuroImage</i> , 2012, 60, 1287-1295.	4.2	16
216	Gas-free calibrated fMRI with a correction for vessel-size sensitivity. <i>NeuroImage</i> , 2018, 169, 176-188.	4.2	16

#	ARTICLE	IF	CITATIONS
217	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
218	Magnetization transfer contrast MRI of musculoskeletal neoplasms. <i>Skeletal Radiology</i> , 1995, 24, 21-25.	2.0	15
219	Magnetic Resonance Signal-Enhancing Self-Assembled Coating for Endovascular Devices. <i>Advanced Materials</i> , 2005, 17, 826-830.	21.0	15
220	Clustering of atlas-defined cortical regions based on relaxation times and proton density. <i>NeuroImage</i> , 2009, 47, 523-532.	4.2	15
221	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
222	Improved Precision in the Measurement of Longitudinal Global and Regional Volumetric Changes via a Novel MRI Gradient Distortion Characterization and Correction Technique. <i>Lecture Notes in Computer Science</i> , 2010, , 324-333.	1.3	15
223	Diffusion Magnetic Resonance Imaging Study of a Rat Hippocampal Slice Model for Acute Brain Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 1461-1470.	4.3	14
224	Human Brain Myelination from Birth to 4.5 Years. <i>Lecture Notes in Computer Science</i> , 2008, 11, 180-187.	1.3	14
225	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
226	Automatic SWI Venography Segmentation Using Conditional Random Fields. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 2478-2491.	8.9	14
227	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
228	Impact of abnormal cerebrovascular reactivity on <scp>BOLD fMRI</scp>: a preliminary investigation of moyamoya disease. <i>Clinical Physiology and Functional Imaging</i> , 2018, 38, 87-92.	1.2	14
229	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
230	The Relationship Between Cognition and Cerebrovascular Reactivity: Implications for Task-Based fMRI. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	14
231	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
232	Cerebrovascular Reactivity Across the Entire Brain in Cerebral Amyloid Angiopathy. <i>Neurology</i> , 2022, 98, .	1.1	14
233	Integration of Stereoscopic DSA with Three-Dimensional Image Reconstruction for Stereotactic Planning. <i>Stereotactic and Functional Neurosurgery</i> , 1990, 54, 471-476.	1.5	13
234	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

#	ARTICLE	IF	CITATIONS
235	Subject-Independent Motion Correction in HARDI Acquisitions: Choices and Consequences. <i>Frontiers in Neurology</i> , 2014, 5, 240.	2.4	12
236	Iterative optimization method for design of quantitative magnetization transfer imaging experiments. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 635-643.	3.0	11
237	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
238	The effect of dissolved oxygen on the susceptibility of blood. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 363-371.	3.0	11
239	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
240	Novel Genetic Locus of Visceral Fat and Systemic Inflammation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 3735-3742.	3.6	11
241	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
242	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
243	Segmentation of thalamic nuclei based on tensorial morphological gradient of diffusion tensor fields. , 2010, , .		10
244	Beyond Crossing Fibers: Bootstrap Probabilistic Tractography Using Complex Subvoxel Fiber Geometries. <i>Frontiers in Neurology</i> , 2014, 5, 216.	2.4	10
245	Transverse signal decay under the weak field approximation: Theory and validation. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 341-350.	3.0	10
246	B ₁ -sensitivity analysis of quantitative magnetization transfer imaging. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 276-285.	3.0	10
247	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
248	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
249	Three-dimensional display of cortical anatomy and vasculature: Magnetic resonance angiography versus multimodality integration. <i>Journal of Digital Imaging</i> , 1991, 4, 21-27.	2.9	9
250	Experimental Hepatic Tumor Necrosis Comparison of Spin-Echo and Pulsed Magnetization Transfer Contrast Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 1993, 28, 896-902.	6.2	9
251	EEG-fMRI using z-shimming in patients with temporal lobe epilepsy. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 1025-1032.	3.4	9
252	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

#	ARTICLE	IF	CITATIONS
253	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
254	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
255	Domperidone-induced elevation of serum prolactin levels and immune response in multiple sclerosis. <i>Journal of Neuroimmunology</i> , 2019, 334, 576974.	2.3	8
256	Accelerating quantitative susceptibility and R2* mapping using incoherent undersampling and deep neural network reconstruction. <i>NeuroImage</i> , 2021, 240, 118404.	4.2	8
257	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
258	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
259	Streamline Flows for White Matter Fibre Pathway Segmentation in Diffusion MRI. <i>Lecture Notes in Computer Science</i> , 2008, 11, 135-143.	1.3	8
260	Interpreting therapeutic effect in multiple sclerosis via MRI contrast enhancing lesions: now you see them, now you don't. <i>Journal of Neurology</i> , 2014, 261, 809-816.	3.6	7
261	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
262	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
263	3D Curve Inference for Diffusion MRI Regularization. <i>Lecture Notes in Computer Science</i> , 2005, 8, 123-130.	1.3	7
264	Magnetization transfer imaging of multiple sclerosis. <i>Italian Journal of Neurological Sciences</i> , 1997, 18, 359-365.	0.1	6
265	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
266	Apparent Intravoxel Fibre Population Dispersion (FPD) Using Spherical Harmonics. <i>Lecture Notes in Computer Science</i> , 2011, 14, 157-165.	1.3	6
267	Visceral adiposity is associated with metabolic profiles predictive of type 2 diabetes and myocardial infarction. <i>Communications Medicine</i> , 2022, 2, .	4.2	6
268	Information content of SNR/resolution trade-offs in three-dimensional magnetic resonance imaging. <i>Medical Physics</i> , 2009, 36, 1442-1451.	3.0	5
269	Interdatabase Variability in Cortical Thickness Measurements. <i>Cerebral Cortex</i> , 2019, 29, 3282-3293.	2.9	5
270	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

#	ARTICLE	IF	CITATIONS
271	Early post-treatment blood oxygenation level-dependent responses to emotion processing associated with clinical response to pharmacological treatment in major depressive disorder. Brain and Behavior, 2021, 11, e2287.	2.2	5
272	A Prospective Evaluation of Computer-Assisted Deep Brain Stimulation Trajectory Planning. Lecture Notes in Computer Science, 2013, , 42-49.	1.3	5
273	Segmentation of Cortical MS Lesions on MRI Using Automated Laminar Profile Shape Analysis. Lecture Notes in Computer Science, 2010, 13, 181-188.	1.3	5
274	Simultaneous Localized Brain Mild Hyperthermia and Blood-Brain Barrier Opening via Feedback-Controlled Transcranial MR-Guided Focused Ultrasound and Microbubbles. IEEE Transactions on Biomedical Engineering, 2022, 69, 1880-1888.	4.2	5
275	VALIDATION AND COMPARISON OF ANALYTICAL Q-BALL IMAGING METHODS. , 2007, , .		4
276	Imaging of Demyelination and Remyelination in Multiple Sclerosis. , 2013, , 233-253.		4
277	A preliminary study on the effect of motion correction on HARDI reconstruction. , 2014, 2014, 1055-1058.		4
278	Three-Dimensional Isodose Distributions in Stereotactic Radiosurgery. Stereotactic and Functional Neurosurgery, 1990, 54, 519-524.	1.5	3
279	Focused ultrasound resolves persistent radiosurgery related change in a patient with tremor. Radiology Case Reports, 2019, 14, 1233-1236.	0.6	3
280	Automatic Optimization of Depth Electrode Trajectory Planning. Lecture Notes in Computer Science, 2014, , 99-107.	1.3	3
281	Flow-metabolism regulation during brain activation and respiratory manipulations. International Congress Series, 2002, 1235, 33-38.	0.2	2
282	3T MRI study discloses high intrafamilial variability in CADASIL due to a novel NOTCH3 mutation. Journal of Clinical Neuroscience, 2018, 58, 25-29.	1.5	2
283	Diffusion Magnetic Resonance Imaging. , 2019, , 505-518.		2
284	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. Trials, 2021, 22, 394.	1.6	2
285	<title>Three-dimensional display of cortical anatomy and vasculature: MR angiography versus multimodality integration</title>. , 1990, , .		1
286	Correction for B1 and B0 variations in quantitative T2 measurements using MRI. Magnetic Resonance in Medicine, 2000, 43, 589.	3.0	1
287	MO&Ea&B04: The CREATE Medical Physics Research Training Network: Training of New Generation Innovators. Medical Physics, 2015, 42, 3557-3558.	3.0	1
288	Automatic Markov Random Field Segmentation of Susceptibility-Weighted MR Venography. Lecture Notes in Computer Science, 2014, , 39-47.	1.3	1

#	ARTICLE	IF	CITATIONS
289	Development and validation of an objective method of determining skin erythema to transdermal oestradiol patches. BJOG: an International Journal of Obstetrics and Gynaecology, 1999, 106, 279-283.	2.3	0
290	T2 Relaxometry Can Lateralize Mesial Temporal Lobe Epilepsy in Patients with Normal MRI. Neurolmage, 2001, 13, 399.	4.2	0
291	ISDN2014_0320: Testosterone shapes the corticospinal tract during adolescence. International Journal of Developmental Neuroscience, 2015, 47, 98-98.	1.6	0
292	Obtaining Quantitative Information from fMRI. , 2015, , 29-35.		0
293	Cortical Surface Analysis of Multi-contrast MR Data to Improve Detection of Cortical Pathology in Multiple Sclerosis. Lecture Notes in Computer Science, 2013, , 138-149.	1.3	0