

# Christian Beaulieu

## List of Publications by Year in descending order

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Version: 2024-02-01

186  
papers

19,952  
citations

32410

55  
h-index

13274

135  
g-index

188  
all docs

188  
docs citations

188  
times ranked

22564  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of $B_1$ field variation in brain at 3 T using 385 healthy individuals across the lifespan. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 960-971.	1.9	5
2	Diffusion imaging of fornix and interconnected limbic deep grey matter is linked to cognitive impairment in multiple sclerosis. <i>European Journal of Neuroscience</i> , 2022, 55, 277-294.	1.2	6
3	A Normative Brain MRI Database of Neurotypical Participants from 5-90 Years of Age. <i>Canadian Journal of Neurological Sciences</i> , 2022, , 1-13.	0.3	2
4	Diffusion tensor tractography of the fornix in cerebral amyloid angiopathy, mild cognitive impairment and Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2022, 34, 103002.	1.4	2
5	Cerebrovascular Reactivity Across the Entire Brain in Cerebral Amyloid Angiopathy. <i>Neurology</i> , 2022, 98, .	1.5	14
6	Distinct patterns of progressive gray and white matter degeneration in amyotrophic lateral sclerosis. <i>Human Brain Mapping</i> , 2022, 43, 1519-1534.	1.9	7
7	Longitudinal white matter microstructural changes in pediatric mild traumatic brain injury: An $\text{CAP}$ study. <i>Human Brain Mapping</i> , 2022, 43, 3809-3823.	1.9	21
8	Lifespan Volume Trajectories From Non-harmonized $T_1$ -Weighted MRI Do Not Differ After Site Correction Based on Traveling Human Phantoms. <i>Frontiers in Neurology</i> , 2022, 13, .	1.1	4
9	High-resolution diffusion tensor imaging identifies hippocampal volume loss without diffusion changes in individuals with prenatal alcohol exposure. <i>Alcoholism: Clinical and Experimental Research</i> , 2022, 46, 1204-1219.	1.4	3
10	Neuroanatomical associations of the Edinburgh cognitive and Behavioural ALS screen (ECAS). <i>Brain Imaging and Behavior</i> , 2021, 15, 1641-1654.	1.1	11
11	Rapid acquisition diffusion MR spectroscopy of metabolites in human brain. <i>NMR in Biomedicine</i> , 2021, 34, e4270.	1.6	5
12	Three-dimensional Yarnball $k$ -space acquisition for accelerated MRI. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1840-1854.	1.9	4
13	High spatial resolution nerve-specific DTI protocol outperforms whole-brain DTI protocol for imaging the trigeminal nerve in healthy individuals. <i>NMR in Biomedicine</i> , 2021, 34, e4427.	1.6	3
14	A simple estimate of axon size with diffusion MRI. <i>NeuroImage</i> , 2021, 227, 117619.	2.1	17
15	Nitroglycerin Is Not Associated with Improved Cerebral Perfusion in Acute Ischemic Stroke. <i>Canadian Journal of Neurological Sciences</i> , 2021, 48, 349-357.	0.3	2
16	Diffusion properties of the fornix assessed by deterministic tractography shows age, sex, volume, cognitive, hemispheric, and twin relationships in young adults from the Human Connectome Project. <i>Brain Structure and Function</i> , 2021, 226, 381-395.	1.2	8
17	Peri-hematoma corticospinal tract integrity in intracerebral hemorrhage patients: A diffusion-tensor imaging study. <i>Journal of the Neurological Sciences</i> , 2021, 421, 117317.	0.3	4
18	Quantification of lung water density with UTE Yarnball MRI. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1330-1344.	1.9	8

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19	Hippocampus Segmentation On High Resolution Diffusion MRI. , 2021, , .		1
20	Prenatal Exposure And Child brain and mental Health (PEACH) study: protocol for a cohort study of children and youth with prenatal alcohol exposure. <i>BMJ Open</i> , 2021, 11, e051660.	0.8	4
21	<sc>R2</sc>* and quantitative susceptibility mapping in deep gray matter of 498 healthy controls from 5 to 90%years. <i>Human Brain Mapping</i> , 2021, 42, 4597-4610.	1.9	24
22	Sodium Intensity Changes Differ Between Relaxation- and Density-Weighted MRI in Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2021, 12, 693447.	1.1	5
23	Automated cerebral cortex segmentation based solely on diffusion tensor imaging for investigating cortical anisotropy. <i>NeuroImage</i> , 2021, 237, 118105.	2.1	8
24	High resolution diffusion tensor imaging of the hippocampus across the healthy lifespan. <i>Hippocampus</i> , 2021, 31, 1271-1284.	0.9	11
25	Examining brain white matter after pediatric mild traumatic brain injury using neurite orientation dispersion and density imaging: An A-CAP study. <i>NeuroImage: Clinical</i> , 2021, 32, 102887.	1.4	9
26	Curved multiplanar reformatting provides improved visualization of hippocampal anatomy. <i>Hippocampus</i> , 2020, 30, 156-161.	0.9	8
27	Diffusion tensor imaging tractography reveals altered fornix in all diagnostic subtypes of multiple sclerosis. <i>Brain and Behavior</i> , 2020, 10, e01514.	1.0	13
28	Radiofrequency excitation-related 23 Na MRI signal loss in skeletal muscle, cartilage, and skin. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1992-2001.	1.9	6
29	Venous contribution to sodium MRI in the human brain. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1331-1338.	1.9	10
30	Multivariate models of brain volume for identification of children and adolescents with fetal alcohol spectrum disorder. <i>Human Brain Mapping</i> , 2020, 41, 1181-1194.	1.9	18
31	Radiological Findings on Structural Magnetic Resonance Imaging in Fetal Alcohol Spectrum Disorders and Healthy Controls. <i>Alcoholism: Clinical and Experimental Research</i> , 2020, 44, 455-462.	1.4	17
32	Involvement of the dentate nucleus in the pathophysiology of amyotrophic lateral sclerosis: A multi-center and multi-modal neuroimaging study. <i>NeuroImage: Clinical</i> , 2020, 28, 102385.	1.4	25
33	A prospective harmonized multicenter DTI study of cerebral white matter degeneration in ALS. <i>Neurology</i> , 2020, 95, e943-e952.	1.5	45
34	Myelin Water Imaging Demonstrates Lower Brain Myelination in Children and Adolescents With Poor Reading Ability. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 568395.	1.0	13
35	Current Socioeconomic Status Correlates With Brain Volumes in Healthy Children and Adolescents but Not in Children With Prenatal Alcohol Exposure. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 223.	1.0	13
36	Cover Image, Volume 30, Issue 2. <i>Hippocampus</i> , 2020, 30, C1.	0.9	0

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37	Diffusion time dependency along the human corpus callosum and exploration of age and sex differences as assessed by oscillating gradient spin-echo diffusion tensor imaging. <i>NeuroImage</i> , 2020, 210, 116533.	2.1	15
38	Altered brain white matter connectome in children and adolescents with prenatal alcohol exposure. <i>Brain Structure and Function</i> , 2020, 225, 1123-1133.	1.2	18
39	Brain Myelin Water Fraction and Diffusion Tensor Imaging Atlases for 9-10 Year-Old Children. <i>Journal of Neuroimaging</i> , 2020, 30, 150-160.	1.0	14
40	Intraoperative acquisition of DTI in cranial neurosurgery: readout-segmented DTI versus standard single-shot DTI. <i>Journal of Neurosurgery</i> , 2020, 133, 1210-1219.	0.9	4
41	Blood pressure reduction in hypertensive acute ischemic stroke patients does not affect cerebral blood flow. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1878-1887.	2.4	8
42	<sup>23</sup> Na MRI of human skeletal muscle using long inversion recovery pulses. <i>Magnetic Resonance Imaging</i> , 2019, 63, 280-290.	1.0	7
43	Regional hippocampal diffusion abnormalities associated with subfield-specific pathology in temporal lobe epilepsy. <i>Epilepsia Open</i> , 2019, 4, 544-554.	1.3	11
44	High resolution continuous arterial spin labeling of human cerebral perfusion using a separate neck tagging RF coil. <i>PLoS ONE</i> , 2019, 14, e0215998.	1.1	11
45	Myelin Water Fraction Imaging of the Brain in Children with Prenatal Alcohol Exposure. <i>Alcoholism: Clinical and Experimental Research</i> , 2019, 43, 833-841.	1.4	10
46	Structural and functional multi-platform MRI series of a single human volunteer over more than fifteen years. <i>Scientific Data</i> , 2019, 6, 245.	2.4	18
47	Full Activation Profiles and Integrity of Corticospinal Pathways in Adults With Bilateral Spastic Cerebral Palsy. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 59-69.	1.4	17
48	Corticospinal tract degeneration in ALS unmasked in T1-weighted images using texture analysis. <i>Human Brain Mapping</i> , 2019, 40, 1174-1183.	1.9	22
49	A review of diffusion MRI of typical white matter development from early childhood to young adulthood. <i>NMR in Biomedicine</i> , 2019, 32, e3778.	1.6	250
50	Imaging Brain Structure in FASD. <i>International Library of Ethics, Law, and the New Medicine</i> , 2018, , 77-93.	0.5	2
51	High resolution in-vivo diffusion imaging of the human hippocampus. <i>NeuroImage</i> , 2018, 182, 479-487.	2.1	26
52	Sensorimotor network alterations in children and youth with prenatal alcohol exposure. <i>Human Brain Mapping</i> , 2018, 39, 2258-2268.	1.9	20
53	Longitudinal hippocampal and extra-hippocampal microstructural and macrostructural changes following temporal lobe epilepsy surgery. <i>Epilepsy Research</i> , 2018, 140, 128-137.	0.8	8
54	Preserved cortical asymmetry despite thinner cortex in children and adolescents with prenatal alcohol exposure and associated conditions. <i>Human Brain Mapping</i> , 2018, 39, 72-88.	1.9	35

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55	Calculating potential error in sodium $^{23}\text{Na}$ MRI with respect to the analysis of small objects. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2968-2977.	1.9	18
56	Altered Functional Connectivity Observed at Rest in Children and Adolescents Prenatally Exposed to Alcohol. <i>Brain Connectivity</i> , 2018, 8, 503-515.	0.8	19
57	Evolution of deep gray matter volume across the human lifespan. <i>Human Brain Mapping</i> , 2017, 38, 3771-3790.	1.9	115
58	Advancing Concussion Assessment in Pediatrics (A-CAP): a prospective, concurrent cohort, longitudinal study of mild traumatic brain injury in children: protocol study. <i>BMJ Open</i> , 2017, 7, e017012.	0.8	54
59	Sexual dimorphism of volume reduction but not cognitive deficit in fetal alcohol spectrum disorders: A combined diffusion tensor imaging, cortical thickness and brain volume study. <i>NeuroImage: Clinical</i> , 2017, 15, 284-297.	1.4	46
60	White matter hyperintensity volume predicts persistent cognitive impairment in transient ischemic attack and minor stroke. <i>International Journal of Stroke</i> , 2017, 12, 264-272.	2.9	34
61	White matter structural network abnormalities underlie executive dysfunction in amyotrophic lateral sclerosis. <i>Human Brain Mapping</i> , 2017, 38, 1249-1268.	1.9	22
62	Diffusion tensor imaging of white matter and correlates to eye movement control and psychometric testing in children with prenatal alcohol exposure. <i>Human Brain Mapping</i> , 2017, 38, 444-456.	1.9	33
63	Maturation Along White Matter Tracts in Human Brain Using a Diffusion Tensor Surface Model Tract-Specific Analysis. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 9.	0.9	37
64	Fatigue in Multiple Sclerosis: Assessing Pontine Involvement Using Proton MR Spectroscopic Imaging. <i>PLoS ONE</i> , 2016, 11, e0149622.	1.1	16
65	Progressive contralateral hippocampal atrophy following surgery for medically refractory temporal lobe epilepsy. <i>Epilepsy Research</i> , 2016, 125, 62-71.	0.8	18
66	Residual quadrupole interaction in brain and its effect on quantitative sodium imaging. <i>NMR in Biomedicine</i> , 2016, 29, 119-128.	1.6	23
67	Motion robust GRAPPA for echo-planar imaging. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1166-1174.	1.9	6
68	Amygdala subnuclei response and connectivity during emotional processing. <i>NeuroImage</i> , 2016, 133, 98-110.	2.1	73
69	Relationships between Head Circumference, Brain Volume and Cognition in Children with Prenatal Alcohol Exposure. <i>PLoS ONE</i> , 2016, 11, e0150370.	1.1	87
70	ISDN2014_0283: Is head circumference an accurate proxy for brain volume in individuals with fetal alcohol spectrum disorders?. <i>International Journal of Developmental Neuroscience</i> , 2015, 47, 84-85.	0.7	2
71	Acquisition strategy to reduce cerebrospinal fluid partial volume effects for improved DTI tractography. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1075-1084.	1.9	22
72	Aberrant topological patterns of brain structural network in temporal lobe epilepsy. <i>Epilepsia</i> , 2015, 56, 1992-2002.	2.6	55

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73	In vivo double quantum filtered sodium magnetic resonance imaging of human brain. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 497-504.	1.9	15
74	Reduction of Diffusion-Weighted Imaging Contrast of Acute Ischemic Stroke at Short Diffusion Times. <i>Stroke</i> , 2015, 46, 2136-2141.	1.0	76
75	Dynamic Evolution of Diffusion-Weighted Imaging Lesions in Patients With Minor Ischemic Stroke. <i>Stroke</i> , 2015, 46, 2318-2321.	1.0	10
76	White matter abnormalities associate with type and localization of focal epileptogenic lesions. <i>Epilepsia</i> , 2015, 56, 125-132.	2.6	63
77	ISDN2014_0383: Thinner cortex and reduced brain volumes in children and adolescents with prenatal alcohol exposure. <i>International Journal of Developmental Neuroscience</i> , 2015, 47, 112-113.	0.7	0
78	Accelerated longitudinal cortical thinning in adolescence. <i>NeuroImage</i> , 2015, 104, 138-145.	2.1	89
79	Correlations between Limbic White Matter and Cognitive Function in Temporal-Lobe Epilepsy, Preliminary Findings. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 142.	1.7	18
80	Longitudinal MRI reveals impaired cortical thinning in children and adolescents prenatally exposed to alcohol. <i>Human Brain Mapping</i> , 2014, 35, 4892-4903.	1.9	44
81	Disrupted anatomic white matter network in left mesial temporal lobe epilepsy. <i>Epilepsia</i> , 2014, 55, 674-682.	2.6	74
82	Exploring and enhancing relaxation-based sodium MRI contrast. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2014, 27, 21-33.	1.1	10
83	White matter correlates of cognitive inhibition during development: A diffusion tensor imaging study. <i>Neuroscience</i> , 2014, 276, 87-97.	1.1	72
84	Oscillating gradient spin-echo (OGSE) diffusion tensor imaging of the human brain. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 726-736.	1.9	101
85	Diffusion abnormalities of the corpus callosum in patients with malformations of cortical development and epilepsy. <i>Epilepsy Research</i> , 2014, 108, 1533-1542.	0.8	17
86	Structural degree predicts functional network connectivity: A multimodal resting-state fMRI and MEG study. <i>NeuroImage</i> , 2014, 97, 296-307.	2.1	125
87	Response inhibition deficits in children with Fetal Alcohol Spectrum Disorder: Relationship between diffusion tensor imaging of the corpus callosum and eye movement control. <i>NeuroImage: Clinical</i> , 2014, 5, 53-61.	1.4	30
88	The Biological Basis of Diffusion Anisotropy. , 2014, , 155-183.		42
89	Evaluation of B0-inhomogeneity correction for triple-quantum-filtered sodium MRI of the human brain at 4.7T. <i>Journal of Magnetic Resonance</i> , 2013, 230, 134-144.	1.2	10
90	Sodium imaging of the human knee using soft inversion recovery fluid attenuation. <i>Journal of Magnetic Resonance</i> , 2013, 234, 197-206.	1.2	11

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91	Cortical thickness asymmetry from childhood to older adulthood. <i>NeuroImage</i> , 2013, 83, 66-74.	2.1	93
92	Diffusion tensor imaging correlates of reading ability in dysfluent and non-impaired readers. <i>Brain and Language</i> , 2013, 125, 215-222.	0.8	69
93	The acute phase of Wallerian degeneration: Longitudinal diffusion tensor imaging of the fornix following temporal lobe surgery. <i>NeuroImage</i> , 2013, 74, 128-139.	2.1	52
94	Longitudinal MRI Reveals Altered Trajectory of Brain Development during Childhood and Adolescence in Fetal Alcohol Spectrum Disorders. <i>Journal of Neuroscience</i> , 2013, 33, 10098-10109.	1.7	132
95	Diffusion Tensor Imaging Correlates of Saccadic Reaction Time in Children with Fetal Alcohol Spectrum Disorder. <i>Alcoholism: Clinical and Experimental Research</i> , 2013, 37, 1499-1507.	1.4	40
96	Graph theoretical analysis of developmental patterns of the white matter network. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 716.	1.0	69
97	Mesial temporal sclerosis is linked with more widespread white matter changes in temporal lobe epilepsy. <i>NeuroImage: Clinical</i> , 2012, 1, 99-105.	1.4	59
98	Isolated febrile seizures are not associated with structural abnormalities of the limbic system. <i>Epilepsy Research</i> , 2012, 102, 216-220.	0.8	4
99	Diffusion tensor imaging of white matter tract evolution over the lifespan. <i>NeuroImage</i> , 2012, 60, 340-352.	2.1	924
100	Triple-quantum filtered sodium imaging of the human brain at 4.7 T. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1633-1643.	1.9	31
101	Six is enough? Comparison of diffusion parameters measured using six or more diffusion-encoding gradient directions with deterministic tractography. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 474-483.	1.9	92
102	The effect of concomitant gradient fields on diffusion tensor imaging. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1190-1201.	1.9	56
103	Developmental cortical thinning in fetal alcohol spectrum disorders. <i>NeuroImage</i> , 2011, 58, 16-25.	2.1	93
104	Distinct white matter abnormalities in different idiopathic generalized epilepsy syndromes. <i>Epilepsia</i> , 2011, 52, 2267-2275.	2.6	55
105	Extensive Deep Gray Matter Volume Reductions in Children and Adolescents with Fetal Alcohol Spectrum Disorders. <i>Alcoholism: Clinical and Experimental Research</i> , 2011, 35, no-no.	1.4	98
106	Fetal Alcohol Spectrum Disorders: Gene-Environment Interactions, Predictive Biomarkers, and the Relationship Between Structural Alterations in the Brain and Functional Outcomes. <i>Seminars in Pediatric Neurology</i> , 2011, 18, 49-55.	1.0	50
107	Assessment of Averaging Spatially Correlated Noise for 3-D Radial Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2011, 30, 1381-1390.	5.4	5
108	Relationship between sodium intensity and perfusion deficits in acute ischemic stroke. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 41-47.	1.9	54

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109	Signal-to-noise optimization for sodium MRI of the human knee at 4.7 Tesla using steady state. Magnetic Resonance in Medicine, 2011, 66, 697-705.	1.9	13
110	Considerations for measuring the fractional anisotropy of metabolites with diffusion tensor spectroscopy. NMR in Biomedicine, 2011, 24, 270-280.	1.6	22
111	Longitudinal Development of Human Brain Wiring Continues from Childhood into Adulthood. Journal of Neuroscience, 2011, 31, 10937-10947.	1.7	989
112	Brain Anatomy, Processing Speed, and Reading in School-Age Children. Developmental Neuropsychology, 2011, 36, 828-846.	1.0	7
113	Diffusion Tensor Imaging of the Brain in Fetal Alcohol Spectrum Disorder. , 2011, , 2897-2913.		0
114	Corpus Callosum and Cingulum Tractography in Parkinson's Disease. Canadian Journal of Neurological Sciences, 2010, 37, 595-600.	0.3	47
115	Brain Microstructure Is Related to Math Ability in Children With Fetal Alcohol Spectrum Disorder. Alcoholism: Clinical and Experimental Research, 2010, 34, 354-363.	1.4	89
116	Combined structural and neurochemical evaluation of the corticospinal tract in amyotrophic lateral sclerosis. Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders, 2010, 11, 157-165.	2.3	48
117	Low Cerebral Blood Volume Is Predictive of Diffusion Restriction Only in Hyperacute Stroke. Stroke, 2010, 41, 2795-2800.	1.0	13
118	Age-related regional variations of the corpus callosum identified by diffusion tensor tractography. NeuroImage, 2010, 52, 20-31.	2.1	174
119	<i>In Vivo</i> Diffusion Tensor Imaging and Histopathology of the Fimbria-Fornix in Temporal Lobe Epilepsy. Journal of Neuroscience, 2010, 30, 996-1002.	1.7	192
120	Sodium imaging intensity increases with time after human ischemic stroke. Annals of Neurology, 2009, 66, 55-62.	2.8	73
121	Lateralization of the arcuate fasciculus from childhood to adulthood and its relation to cognitive abilities in children. Human Brain Mapping, 2009, 30, 3563-3573.	1.9	239
122	Mapping Anatomical Connectivity Patterns of Human Cerebral Cortex Using In Vivo Diffusion Tensor Imaging Tractography. Cerebral Cortex, 2009, 19, 524-536.	1.6	979
123	The Biological Basis of Diffusion Anisotropy. , 2009, , 105-126.		94
124	White-matter diffusion abnormalities in temporal-lobe epilepsy with and without mesial temporal sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2009, 80, 312-319.	0.9	165
125	Sodium imaging optimization under specific absorption rate constraint. Magnetic Resonance in Medicine, 2008, 59, 345-355.	1.9	24
126	Advantage of sampling density weighted apodization over postacquisition filtering apodization for sodium MRI of the human brain. Magnetic Resonance in Medicine, 2008, 60, 981-986.	1.9	40

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127	Thalamic diffusion and volumetry in temporal lobe epilepsy with and without mesial temporal sclerosis. <i>Epilepsy Research</i> , 2008, 80, 184-193.	0.8	42
128	Elevations of diffusion anisotropy are associated with hyper-acute stroke: a serial imaging study. <i>Magnetic Resonance Imaging</i> , 2008, 26, 683-693.	1.0	45
129	Insights into the sequence of structural consequences of convulsive status epilepticus: A longitudinal MRI study. <i>Epilepsia</i> , 2008, 49, 1941-1945.	2.6	18
130	Brain Diffusion Abnormalities in Children With Fetal Alcohol Spectrum Disorder. <i>Alcoholism: Clinical and Experimental Research</i> , 2008, 32, 1732-1740.	1.4	175
131	Diffusion tensor imaging tractography and reliability analysis for limbic and paralimbic white matter tracts. <i>Psychiatry Research - Neuroimaging</i> , 2008, 164, 132-142.	0.9	96
132	Microstructural maturation of the human brain from childhood to adulthood. <i>NeuroImage</i> , 2008, 40, 1044-1055.	2.1	1,223
133	Motor Cortex and Spinal Degeneration in Multisystem Atrophy: A Multimodal Study. <i>Canadian Journal of Neurological Sciences</i> , 2008, 35, 658-660.	0.3	1
134	Voxel based versus region of interest analysis in diffusion tensor imaging of neurodevelopment. <i>NeuroImage</i> , 2007, 34, 243-252.	2.1	213
135	Bilateral White Matter Diffusion Changes Persist after Epilepsy Surgery. <i>Epilepsia</i> , 2007, 48, 931-940.	2.6	93
136	Spatial Profiling of the Corticospinal Tract in Amyotrophic Lateral Sclerosis Using Diffusion Tensor Imaging. <i>Journal of Neuroimaging</i> , 2007, 17, 234-240.	1.0	40
137	A Mitochondria-K <sup>+</sup> Channel Axis Is Suppressed in Cancer and Its Normalization Promotes Apoptosis and Inhibits Cancer Growth. <i>Cancer Cell</i> , 2007, 11, 37-51.	7.7	1,374
138	Anisotropic diffusion of metabolites in peripheral nerve using diffusion weighted magnetic resonance spectroscopy at ultra-high field. <i>Journal of Magnetic Resonance</i> , 2007, 184, 20-28.	1.2	19
139	Diffusion tensor imaging of time-dependent axonal and myelin degradation after corpus callosotomy in epilepsy patients. <i>NeuroImage</i> , 2006, 32, 1090-1099.	2.1	250
140	Extratemporal White Matter Abnormalities in Mesial Temporal Lobe Epilepsy Demonstrated with Diffusion Tensor Imaging. <i>Epilepsia</i> , 2006, 47, 1360-1363.	2.6	161
141	The Relationship between Diffusion Anisotropy and Time of Onset after Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006, 26, 1442-1450.	2.4	31
142	Comparison of multislice and single-slice acquisitions for pulsed arterial spin labeling measurements of cerebral perfusion. <i>Magnetic Resonance Imaging</i> , 2006, 24, 869-876.	1.0	17
143	Diffusion tensor spectroscopy (DTS) of human brain. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1-8.	1.9	171
144	Pulsed arterial spin labeling parameter optimization for an elderly population. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 23, 398-403.	1.9	46

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145	Diffusion Tensor Imaging Abnormalities in Focal Cortical Dysplasia. Canadian Journal of Neurological Sciences, 2005, 32, 477-482.	0.3	47
146	Bilateral limbic diffusion abnormalities in unilateral temporal lobe epilepsy. Annals of Neurology, 2005, 57, 188-196.	2.8	242
147	Trace apparent diffusion coefficients of metabolites in human brain using diffusion weighted magnetic resonance spectroscopy. Magnetic Resonance in Medicine, 2005, 53, 1025-1032.	1.9	45
148	In vivo sodium magnetic resonance imaging of the human brain using soft inversion recovery fluid attenuation. Magnetic Resonance in Medicine, 2005, 54, 1305-1310.	1.9	97
149	Imaging brain connectivity in children with diverse reading ability. NeuroImage, 2005, 25, 1266-1271.	2.1	259
150	Diffusion tensor imaging of neurodevelopment in children and young adults. NeuroImage, 2005, 26, 1164-1173.	2.1	313
151	Diffusion tensor tractography of the limbic system. American Journal of Neuroradiology, 2005, 26, 2267-74.	1.2	202
152	Diffusion anisotropy in subcortical white matter and cortical gray matter: Changes with aging and the role of CSF-suppression. Journal of Magnetic Resonance Imaging, 2004, 20, 216-227.	1.9	198
153	Diffusion tensor imaging detects early Wallerian degeneration of the pyramidal tract after ischemic stroke. NeuroImage, 2004, 22, 1767-1774.	2.1	382
154	Multilocal magnetic resonance perfusion mapping comparing the cerebral hemodynamic effects of decompressive craniectomy versus reperfusion in experimental acute hemispheric stroke in rats. Neuroscience Letters, 2003, 344, 127-131.	1.0	22
155	Combined X-ray angiography and diffusion-weighted perfusion MRI for studying stroke evolution after rt-PA treatment in rats. Brain Research, 2002, 953, 112-118.	1.1	9
156	In vivo magnetic resonance imaging of the human cervical spinal cord at 3 Tesla. Journal of Magnetic Resonance Imaging, 2002, 16, 21-27.	1.9	13
157	The basis of anisotropic water diffusion in the nervous system - a technical review. NMR in Biomedicine, 2002, 15, 435-455.	1.6	3,938
158	Comparison of diffusion, blood oxygenation, and blood volume changes during global ischemia in rats. Magnetic Resonance in Medicine, 2001, 45, 10-16.	1.9	11
159	MRI Demonstrates that Tissue-Type Plasminogen Activator Increases Stroke Volume if Cerebral Arteries Are not Successfully Recanalized. , 2001, , 420-427.		0
160	Is Early Ischemic Lesion Volume on Diffusion-Weighted Imaging an Independent Predictor of Stroke Outcome?. Stroke, 2000, 31, 2597-2602.	1.0	216
161	Spreading waves of transient and prolonged decreases in water diffusion after subarachnoid hemorrhage in rats. Magnetic Resonance in Medicine, 2000, 44, 110-116.	1.9	34
162	Decompressive Craniectomy, Reperfusion, or a Combination for Early Treatment of Acute Malignant Cerebral Hemispheric Stroke in Rats?. Stroke, 1999, 30, 1456-1463.	1.0	86

#	ARTICLE	IF	CITATIONS
163	Diffusion-weighted magnetic resonance imaging: Theory and potential applications to child neurology. <i>Seminars in Pediatric Neurology</i> , 1999, 6, 87-100.	1.0	30
164	Longitudinal magnetic resonance imaging study of perfusion and diffusion in stroke: Evolution of lesion volume and correlation with clinical outcome. <i>Annals of Neurology</i> , 1999, 46, 568-578.	2.8	410
165	Dynamics of cerebral injury, perfusion, and blood-brain barrier changes after temporary and permanent middle cerebral artery occlusion in the rat. <i>Journal of the Neurological Sciences</i> , 1999, 166, 91-99.	0.3	84
166	Magnetic Resonance Imaging Assessment of Cerebral Hemodynamics during Spreading Depression in Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998, 18, 1008-1017.	2.4	64
167	Polynitroxyl Albumin Reduces Infarct Size in Transient Focal Cerebral Ischemia in the Rat: Potential Mechanisms Studied by Magnetic Resonance Imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998, 18, 1022-1031.	2.4	43
168	Multi-component T1 relaxation and magnetisation transfer in peripheral nerve. <i>Magnetic Resonance Imaging</i> , 1998, 16, 1033-1041.	1.0	78
169	Multicomponent water proton transverse relaxation and T2-discriminated water diffusion in myelinated and nonmyelinated nerve. <i>Magnetic Resonance Imaging</i> , 1998, 16, 1201-1210.	1.0	120
170	Thrombolysis with reteplase, an unglycosylated plasminogen activator variant, in experimental embolic stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 1998, 7, 179-186.	0.7	10
171	Diffusion MR Imaging During Acute Subarachnoid Hemorrhage in Rats. <i>Stroke</i> , 1998, 29, 2155-2161.	1.0	98
172	Diffusion-weighted Magnetic Resonance Imaging Characteristics of Hemorrhagic Transformation in Experimental Embolic Stroke. <i>Journal of Neuroimaging</i> , 1997, 7, 227-231.	1.0	14
173	Quantitative Analysis of Apoptotic Cell Death Using Proton Nuclear Magnetic Resonance Spectroscopy. <i>Blood</i> , 1997, 89, 3778-3786.	0.6	145
174	Hyperglycemia Delays Terminal Depolarization and Enhances Repolarization after Peri-Infarct Spreading Depression as Measured by Serial Diffusion MR Mapping. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997, 17, 591-595.	2.4	23
175	An in vitro evaluation of the effects of local magnetic-susceptibility-induced gradients on anisotropic water diffusion in nerve. <i>Magnetic Resonance in Medicine</i> , 1996, 36, 39-44.	1.9	50
176	Changes in water diffusion due to Wallerian degeneration in peripheral nerve. <i>Magnetic Resonance in Medicine</i> , 1996, 36, 627-631.	1.9	248
177	Determinants of anisotropic water diffusion in nerves. <i>Magnetic Resonance in Medicine</i> , 1994, 31, 394-400.	1.9	584
178	Water diffusion in the giant axon of the squid: Implications for diffusion-weighted MRI of the nervous system. <i>Magnetic Resonance in Medicine</i> , 1994, 32, 579-583.	1.9	224
179	Molecular orbital and <sup>1</sup> H nuclear magnetic resonance studies of the inversion potentials of thianthrene and thioxanthene. <i>Canadian Journal of Chemistry</i> , 1991, 69, 927-933.	0.6	8
180	2-Phenyladamantane as a model for axial phenylcyclohexane. <sup>1</sup> H NMR and molecular orbital studies of motion about the Csp <sup>2</sup> -Csp <sup>3</sup> bond. <i>Canadian Journal of Chemistry</i> , 1991, 69, 503-508.	0.6	6

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181	Long-range $^1\text{H}$ , $^{19}\text{F}$ and $^{13}\text{C}$ , $^{19}\text{F}$ coupling constants and molecular orbital computations as indicators of internal motion in $\text{C}_6\text{H}_5\text{OCF}_3$ and its 4-fluoro derivative. Canadian Journal of Chemistry, 1991, 69, 1047-1053.	0.6	12
182	Motion about the bond in benzyl OR ( $\text{R}=\text{CH}_3$ , $\text{CH}_2\text{CH}_3$ , $\text{CH}(\text{CH}_3)_2$ , $\text{C}(\text{CH}_3)_3$ ). Solvent and substituent dependence. Canadian Journal of Chemistry, 1990, 68, 1553-1558.	0.6	4
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184	An NMR study of steric and hyperconjugative barriers in benzyl $\text{X}(\text{CH}_3)_3$ , $\text{X}=\text{C}$ , $\text{Si}$ , $\text{Ge}$ , $\text{Sn}$ , $\text{Pb}$ . Canadian Journal of Chemistry, 1989, 67, 1283-1287.	0.6	8
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186	White Matter Diffusion Properties in Chronic Temporomandibular Disorders: An Exploratory Analysis. Frontiers in Pain Research, 0, 3, .	0.9	1