

Rick M Dijkhuizen

List of Publications by Year in descending order

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130
papers

8,080
citations

47409

49
h-index

60403

85
g-index

137
all docs

137
docs citations

137
times ranked

11540
citing authors

#	ARTICLE	IF	CITATIONS
1	Prolonged release of VEGF and Ang1 from intralesionally implanted hydrogel promotes perilesional vascularization and functional recovery after experimental ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 1033-1048.	2.4	9
2	Neuroinflammation, Stroke, Blood-Brain Barrier Dysfunction, and Imaging Modalities. <i>Stroke</i> , 2022, 53, 1473-1486.	1.0	165
3	Comparison of Large Animal Models for Acute Ischemic Stroke: Which Model to Use?. <i>Stroke</i> , 2022, 53, 1411-1422.	1.0	36
4	Memantine treatment does not affect compulsive behavior or frontostriatal connectivity in an adolescent rat model for quinpirole-induced compulsive checking behavior. <i>Psychopharmacology</i> , 2022, 239, 2457-2470.	1.5	2
5	Intranasal mesenchymal stem cell therapy to boost myelination after encephalopathy of prematurity. <i>Glia</i> , 2021, 69, 655-680.	2.5	18
6	Imaging Markers for the Characterization of Gray and White Matter Changes from Acute to Chronic Stages after Experimental Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2021, 38, 1642-1653.	1.7	10
7	Translational Value of Skilled Reaching Assessment in Clinical and Preclinical Studies on Motor Recovery After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 457-467.	1.4	3
8	Biomolecular changes and subsequent time-dependent recovery in hippocampal tissue after experimental mild traumatic brain injury. <i>Scientific Reports</i> , 2021, 11, 12468.	1.6	10
9	Remote Corticospinal Tract Degeneration After Cortical Stroke in Rats May Not Preclude Spontaneous Sensorimotor Recovery. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 1010-1019.	1.4	2
10	Deuterium Metabolic Imaging of the Healthy and Diseased Brain. <i>Neuroscience</i> , 2021, 474, 94-99.	1.1	22
11	Activation response and functional connectivity change in rat cortex after bilateral transcranial direct current stimulation—An exploratory study. <i>Journal of Neuroscience Research</i> , 2021, 99, 1377-1389.	1.3	5
12	Molecular Magnetic Resonance Imaging of Vascular Inflammation After Recanalization in a Rat Ischemic Stroke Model. <i>Stroke</i> , 2021, 52, e788-e791.	1.0	12
13	Ultrahigh-resolution MRI reveals structural brain differences in serotonin transporter knockout rats after sucrose and cocaine self-administration. <i>Addiction Biology</i> , 2020, 25, e12722.	1.4	4
14	Design and Evaluation of a Rodent-Specific Transcranial Magnetic Stimulation Coil: An In Silico and In Vivo Validation Study. <i>Neuromodulation</i> , 2020, 23, 324-334.	0.4	26
15	The JCBFM Symposium at BRAIN 2019. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 225-227.	2.4	0
16	From Stroke to Dementia: a Comprehensive Review Exposing Tight Interactions Between Stroke and Amyloid- β Formation. <i>Translational Stroke Research</i> , 2020, 11, 601-614.	2.3	82
17	Active Recharge Burst and Tonic Spinal Cord Stimulation Engage Different Supraspinal Mechanisms: A Functional Magnetic Resonance Imaging Study in Peripherally Injured Chronic Neuropathic Rats. <i>Pain Practice</i> , 2020, 20, 510-521.	0.9	20
18	Structural and functional MRI of altered brain development in a novel adolescent rat model of quinpirole-induced compulsive checking behavior. <i>European Neuropsychopharmacology</i> , 2020, 33, 58-70.	0.3	7

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19	Distinct structure-function relationships across cortical regions and connectivity scales in the rat brain. <i>Scientific Reports</i> , 2020, 10, 56.	1.6	12
20	Differences in structural and functional networks between young adult and aged rat brains before and after stroke lesion simulations. <i>Neurobiology of Disease</i> , 2019, 126, 23-35.	2.1	15
21	Diet as connecting factor: Functional brain connectivity in relation to food intake and sucrose tasting, assessed with resting-state functional MRI in rats. <i>Journal of Neuroscience Research</i> , 2019, , .	1.3	6
22	A systematic review on the quantitative relationship between structural and functional network connectivity strength in mammalian brains. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 189-209.	2.4	85
23	Animal Functional Magnetic Resonance Imaging: Trends and Path Toward Standardization. <i>Frontiers in Neuroinformatics</i> , 2019, 13, 78.	1.3	78
24	Diffusion MRI-based cortical connectome reconstruction: dependency on tractography procedures and neuroanatomical characteristics. <i>Brain Structure and Function</i> , 2018, 223, 2269-2285.	1.2	60
25	Functional morphology of the blood-brain barrier in health and disease. <i>Acta Neuropathologica</i> , 2018, 135, 311-336.	3.9	543
26	Intranasal Stem Cell Treatment as a Novel Therapy for Subarachnoid Hemorrhage. <i>Stem Cells and Development</i> , 2018, 27, 313-325.	1.1	45
27	Modified structural network backbone in the contralesional hemisphere chronically after stroke in rat brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1642-1653.	2.4	23
28	Fourier Transform Infrared (FT-IR) and Laser Ablation Inductively Coupled Plasma-Mass Spectrometry (LA-ICP-MS) Imaging of Cerebral Ischemia: Combined Analysis of Rat Brain Thin Cuts Toward Improved Tissue Classification. <i>Applied Spectroscopy</i> , 2018, 72, 241-250.	1.2	17
29	Combined fetal inflammation and postnatal hypoxia causes myelin deficits and autism-like behavior in a rat model of diffuse white matter injury. <i>Glia</i> , 2018, 66, 78-93.	2.5	61
30	Consensus statement on current and emerging methods for the diagnosis and evaluation of cerebrovascular disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1391-1417.	2.4	48
31	Glutamatergic Agents in the Treatment of Compulsivity and Impulsivity in Child and Adolescent Psychiatry: a Systematic Review of the Literature. <i>Zeitschrift für Kinder- Und Jugendpsychiatrie Und Psychotherapie</i> , 2018, 46, 246-263.	0.4	16
32	Recording, analysis, and interpretation of spreading depolarizations in neurointensive care: Review and recommendations of the COSBID research group. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 1595-1625.	2.4	255
33	Recent progress in translational research on neurovascular and neurodegenerative disorders. <i>Restorative Neurology and Neuroscience</i> , 2017, 35, 87-103.	0.4	16
34	Prediction of hemorrhagic transformation after experimental ischemic stroke using MRI-based algorithms. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 3065-3076.	2.4	7
35	A novel approach to map induced activation of neuronal networks using chemogenetics and functional neuroimaging in rats: A proof-of-concept study on the mesocorticolimbic system. <i>NeuroImage</i> , 2017, 156, 109-118.	2.1	45
36	The effect of adipose tissue-derived stem cells in a middle cerebral artery occlusion stroke model depends on their engraftment rate. <i>Stem Cell Research and Therapy</i> , 2017, 8, 96.	2.4	18

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37	In Vivo Molecular MRI of ICAM-1 Expression on Endothelium and Leukocytes from Subacute to Chronic Stages After Experimental Stroke. <i>Translational Stroke Research</i> , 2017, 8, 440-448.	2.3	17
38	Valproate Reduces Delayed Brain Injury in a Rat Model of Subarachnoid Hemorrhage. <i>Stroke</i> , 2017, 48, 452-458.	1.0	15
39	Uric Acid Is Protective After Cerebral Ischemia/Reperfusion in Hyperglycemic Mice. <i>Translational Stroke Research</i> , 2017, 8, 294-305.	2.3	45
40	Brain stimulation for arm recovery after stroke (B-STARS): protocol for a randomised controlled trial in subacute stroke patients. <i>BMJ Open</i> , 2017, 7, e016566.	0.8	10
41	A quantitative method for microstructural analysis of myelinated axons in the injured rodent brain. <i>Scientific Reports</i> , 2017, 7, 16492.	1.6	34
42	Magnetic resonance imaging of local and remote vascular remodelling after experimental stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2768-2779.	2.4	25
43	Early life stress-induced alterations in rat brain structures measured with high resolution MRI. <i>PLoS ONE</i> , 2017, 12, e0185061.	1.1	29
44	Oligodendroglial myelination requires astrocyte-derived lipids. <i>PLoS Biology</i> , 2017, 15, e1002605.	2.6	179
45	Spreading depolarizations increase delayed brain injury in a rat model of subarachnoid hemorrhage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1224-1231.	2.4	30
46	Bayesian exponential random graph modeling of whole-brain structural networks across lifespan. <i>NeuroImage</i> , 2016, 135, 79-91.	2.1	32
47	Blood-brain barrier leakage after status epilepticus in rapamycin-treated rats: Potential mechanisms. <i>Epilepsia</i> , 2016, 57, 70-78.	2.6	38
48	Blood-brain barrier leakage after status epilepticus in rapamycin-treated rats I: Magnetic resonance imaging. <i>Epilepsia</i> , 2016, 57, 59-69.	2.6	53
49	Glutamatergic medication in the treatment of obsessive compulsive disorder (OCD) and autism spectrum disorder (ASD) - study protocol for a randomised controlled trial. <i>Trials</i> , 2016, 17, 141.	0.7	23
50	<i>In vivo</i> MR imaging of intercellular adhesion molecule-1 expression in an animal model of multiple sclerosis. <i>Contrast Media and Molecular Imaging</i> , 2015, 10, 111-121.	0.4	18
51	Measurement of distinctive features of cortical spreading depolarizations with different MRI contrasts. <i>NMR in Biomedicine</i> , 2015, 28, 591-600.	1.6	8
52	Magnetic resonance imaging-based cerebral tissue classification reveals distinct spatiotemporal patterns of changes after stroke in non-human primates. <i>BMC Neuroscience</i> , 2015, 16, 91.	0.8	3
53	Effect of Endothelin Receptor Antagonists on Clinically Relevant Outcomes after Experimental Subarachnoid Hemorrhage: A Systematic Review and Meta-Analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1085-1089.	2.4	25
54	Stress-induced alterations in large-scale functional networks of the rodent brain. <i>NeuroImage</i> , 2015, 105, 312-322.	2.1	102

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55	Altered Contralateral Sensorimotor System Organization after Experimental Hemispherectomy: A Structural and Functional Connectivity Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1358-1367.	2.4	13
56	REKINDLE: Robust extraction of kurtosis INDices with linear estimation. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 794-808.	1.9	139
57	Experimental focal neocortical epilepsy is associated with reduced white matter volume growth: results from multiparametric MRI analysis. <i>Brain Structure and Function</i> , 2015, 220, 27-36.	1.2	4
58	Effects of transient unilateral functional brain disruption on global neural network status in rats: a methods paper. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 40.	1.2	4
59	Lesion Development and Reperfusion Benefit in Relation to Vascular Occlusion Patterns after Embolic Stroke in Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 332-338.	2.4	11
60	Assessment and modulation of resting-state neural networks after stroke. <i>Current Opinion in Neurology</i> , 2014, 27, 637-643.	1.8	38
61	Can diffusion kurtosis imaging improve the sensitivity and specificity of detecting microstructural alterations in brain tissue chronically after experimental stroke? Comparisons with diffusion tensor imaging and histology. <i>NeuroImage</i> , 2014, 97, 363-373.	2.1	101
62	Long-Term Oral Methylphenidate Treatment in Adolescent and Adult Rats: Differential Effects on Brain Morphology and Function. <i>Neuropsychopharmacology</i> , 2014, 39, 263-273.	2.8	32
63	Present status and future challenges of electroencephalography- and magnetic resonance imaging-based monitoring in preclinical models of focal cerebral ischemia. <i>Brain Research Bulletin</i> , 2014, 102, 22-36.	1.4	18
64	Intranasally administered mesenchymal stem cells promote a regenerative niche for repair of neonatal ischemic brain injury. <i>Experimental Neurology</i> , 2014, 261, 53-64.	2.0	132
65	Long-Term Functional Consequences and Ongoing Cerebral Inflammation after Subarachnoid Hemorrhage in the Rat. <i>PLoS ONE</i> , 2014, 9, e90584.	1.1	70
66	MRI of ICAM-1 Upregulation After Stroke: the Importance of Choosing the Appropriate Target-Specific Particulate Contrast Agent. <i>Molecular Imaging and Biology</i> , 2013, 15, 411-422.	1.3	50
67	Imaging neuronal loss and recovery in compromised but viable brain tissue. <i>Brain</i> , 2013, 136, 1689-1691.	3.7	5
68	Early Identification of Potentially Salvageable Tissue with MRI-Based Predictive Algorithms after Experimental Ischemic Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1075-1082.	2.4	41
69	Progression of Brain Lesions in Relation to Hyperperfusion from Subacute to Chronic Stages after Experimental Subarachnoid Hemorrhage: A Multiparametric MRI Study. <i>Cerebrovascular Diseases</i> , 2013, 36, 167-172.	0.8	17
70	PECAM α 1-targeted micron-sized particles of iron oxide as MRI contrast agent for detection of vascular remodeling after cerebral ischemia. <i>Contrast Media and Molecular Imaging</i> , 2013, 8, 393-401.	0.4	16
71	Functional and Structural Neural Network Characterization of Serotonin Transporter Knockout Rats. <i>PLoS ONE</i> , 2013, 8, e57780.	1.1	14
72	Extent of Bilateral Neuronal Network Reorganization and Functional Recovery in Relation to Stroke Severity. <i>Journal of Neuroscience</i> , 2012, 32, 4495-4507.	1.7	208

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73	Imaging Neuroinflammation after Stroke: Current Status of Cellular and Molecular MRI Strategies. <i>Cerebrovascular Diseases</i> , 2012, 33, 392-402.	0.8	55
74	In Vivo Imaging of Neurovascular Remodeling After Stroke. <i>Stroke</i> , 2012, 43, 3436-3441.	1.0	24
75	Increase in Sensorimotor Cortex Response to Somatosensory Stimulation Over Subacute Poststroke Period Correlates With Motor Recovery in Hemiparetic Patients. <i>Neurorehabilitation and Neural Repair</i> , 2012, 26, 325-334.	1.4	28
76	Combined treatment with recombinant tissue plasminogen activator and dexamethasone phosphate-containing liposomes improves neurological outcome and restricts lesion progression after embolic stroke in rats. <i>Journal of Neurochemistry</i> , 2012, 123, 65-74.	2.1	33
77	Impact of hemodynamic effects on diffusion-weighted fMRI signals. <i>NeuroImage</i> , 2012, 61, 106-114.	2.1	14
78	Characterization of Functional and Structural Integrity in Experimental Focal Epilepsy: Reduced Network Efficiency Coincides with White Matter Changes. <i>PLoS ONE</i> , 2012, 7, e39078.	1.1	59
79	Functional MRI and Diffusion Tensor Imaging of Brain Reorganization After Experimental Stroke. <i>Translational Stroke Research</i> , 2012, 3, 36-43.	2.3	99
80	A meta-analysis of white matter changes in temporal lobe epilepsy as studied with diffusion tensor imaging. <i>Epilepsia</i> , 2012, 53, 659-667.	2.6	131
81	Focal neocortical epilepsy affects hippocampal volume, shape, and structural integrity: A longitudinal MRI and immunohistochemistry study in a rat model. <i>Epilepsia</i> , 2012, 53, 1264-1273.	2.6	17
82	In vivo diffusion tensor imaging and ex vivo histologic characterization of white matter pathology in a post-status epilepticus model of temporal lobe epilepsy. <i>Epilepsia</i> , 2011, 52, 841-845.	2.6	31
83	MRI of bilateral sensorimotor network activation in response to direct intracortical stimulation in rats after unilateral stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1583-1587.	2.4	14
84	Alterations in the cholinergic system after frontal cortical infarction in rat brain: Pharmacological magnetic resonance imaging of muscarinic receptor responsiveness and stereological analysis of cholinergic forebrain neurons. <i>Neurobiology of Disease</i> , 2011, 43, 625-634.	2.1	8
85	Advances in MRI-Based Detection of Cerebrovascular Changes after Experimental Traumatic Brain Injury. <i>Translational Stroke Research</i> , 2011, 2, 524-532.	2.3	9
86	Temporal scaling properties and spatial synchronization of spontaneous blood oxygenation level-dependent (BOLD) signal fluctuations in rat sensorimotor network at different levels of isoflurane anesthesia. <i>NMR in Biomedicine</i> , 2011, 24, 61-67.	1.6	62
87	Magnetic resonance imaging of brain angiogenesis after stroke. <i>Angiogenesis</i> , 2010, 13, 101-111.	3.7	76
88	Correspondence between Altered Functional and Structural Connectivity in the Contralesional Sensorimotor Cortex after Unilateral Stroke in Rats: A Combined Resting-State Functional MRI and Manganese-Enhanced MRI Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 1707-1711.	2.4	88
89	Functional and structural MR imaging of brain reorganization after stroke. , 2010, , 57-66.		1
90	Multiparametric Magnetic Resonance Imaging of Brain Disorders. <i>Topics in Magnetic Resonance Imaging</i> , 2010, 21, 129-138.	0.7	16

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91	Recovery of Sensorimotor Function after Experimental Stroke Correlates with Restoration of Resting-State Interhemispheric Functional Connectivity. <i>Journal of Neuroscience</i> , 2010, 30, 3964-3972.	1.7	304
92	Pharmacological magnetic resonance imaging of muscarinic acetylcholine receptor activation in rat brain. <i>Neuropharmacology</i> , 2010, 58, 1252-1257.	2.0	12
93	Contribution of the left and right inferior frontal gyrus in recovery from aphasia. A functional MRI study in stroke patients with preserved hemodynamic responsiveness. <i>NeuroImage</i> , 2010, 49, 885-893.	2.1	101
94	Manganese-Enhanced MRI of Brain Plasticity in Relation to Functional Recovery after Experimental Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 832-840.	2.4	50
95	MRI of Monocyte Infiltration in an Animal Model of Neuroinflammation Using SPIO-Labeled Monocytes or Free USPIO. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 841-851.	2.4	67
96	Longitudinal in vivo MRI of alterations in perilesional tissue after transient ischemic stroke in rats. <i>Experimental Neurology</i> , 2008, 212, 207-212.	2.0	87
97	¹ H/ ¹³ C MR spectroscopic imaging of regionally specific metabolic alterations after experimental stroke. <i>Brain</i> , 2008, 131, 2209-2219.	3.7	33
98	Changes in neuronal connectivity after stroke in rats as studied by serial manganese-enhanced MRI. <i>NeuroImage</i> , 2007, 34, 1650-1657.	2.1	57
99	fMRI of Delayed Albumin Treatment during Stroke Recovery in Rats: Implication for Fast Neuronal Habituation in Recovering Brains. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 142-153.	2.4	25
100	Infarct Prediction and Treatment Assessment with MRI-based Algorithms in Experimental Stroke Models. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 196-204.	2.4	51
101	Characterizing physiological heterogeneity of infarction risk in acute human ischaemic stroke using MRI. <i>Brain</i> , 2006, 129, 2384-2393.	3.7	71
102	Structural and functional plasticity in the somatosensory cortex of chronic stroke patients. <i>Brain</i> , 2006, 129, 2722-2733.	3.7	155
103	Application of Magnetic Resonance Imaging to Study Pathophysiology in Brain Disease Models. , 2006, , 251-278.		0
104	Application of magnetic resonance imaging to study pathophysiology in brain disease models. <i>Methods in Molecular Medicine</i> , 2006, 124, 251-78.	0.8	6
105	Measurements of BOLD/CBV Ratio Show Altered fMRI Hemodynamics during Stroke Recovery in Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 820-829.	2.4	61
106	Spatio-temporal patterns of MRI-detected manganese-enhancement in the sensorimotor network of rat brain after stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S240-S240.	2.4	0
107	Spatio-temporal dynamics of infarct evolution using MR-based prediction algorithms. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S538-S538.	2.4	0
108	Predicting effects of thrombolytic therapy in acute stroke patients using MR imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S113-S113.	2.4	0

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109	Magnetic Resonance Imaging in Experimental Models of Brain Disorders. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 1383-1402.	2.4	126
110	Correlation between Brain Reorganization, Ischemic Damage, and Neurologic Status after Transient Focal Cerebral Ischemia in Rats: A Functional Magnetic Resonance Imaging Study. <i>Journal of Neuroscience</i> , 2003, 23, 510-517.	1.7	283
111	Motor Recovery and Cortical Reorganization after Constraint-Induced Movement Therapy in Stroke Patients: A Preliminary Study. <i>Neurorehabilitation and Neural Repair</i> , 2002, 16, 326-338.	1.4	256
112	Normobaric hyperoxia reduces MRI diffusion abnormalities and infarct size in experimental stroke. <i>Neurology</i> , 2002, 58, 945-952.	1.5	182
113	Rapid Breakdown of Microvascular Barriers and Subsequent Hemorrhagic Transformation After Delayed Recombinant Tissue Plasminogen Activator Treatment in a Rat Embolic Stroke Model. <i>Stroke</i> , 2002, 33, 2100-2104.	1.0	97
114	Tissue plasminogen activator and hemorrhagic brain injury. , 2002, , 181-191.		0
115	Motor Recovery and Cortical Reorganization after Constraint-Induced Movement Therapy in Stroke Patients: A Preliminary Study. <i>Journal of Neurologic Rehabilitation</i> , 2002, 16, 1-13.	0.1	7
116	Diffusion NMR spectroscopy. <i>NMR in Biomedicine</i> , 2001, 14, 94-111.	1.6	172
117	Delayed rt-PA Treatment in a Rat Embolic Stroke Model: Diagnosis and Prognosis of Ischemic Injury and Hemorrhagic Transformation with Magnetic Resonance Imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001, 21, 964-971.	2.4	58
118	Changes in the Diffusion of Water and Intracellular Metabolites after Excitotoxic Injury and Global Ischemia in Neonatal Rat Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999, 19, 341-349.	2.4	92
119	Spatial Assessment of the Dynamics of Lactate Formation in Focal Ischemic Rat Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999, 19, 376-379.	2.4	14
120	Correlation between tissue depolarizations and damage in focal ischemic rat brain1Published on the World Wide Web on 12 July 1999.1. <i>Brain Research</i> , 1999, 840, 194-205.	1.1	145
121	Dynamics of Cerebral Tissue Injury and Perfusion After Temporary Hypoxia-Ischemia in the Rat. <i>Stroke</i> , 1998, 29, 695-704.	1.0	151
122	Suppression of cortical spreading depressions after magnesium treatment in the rat. <i>NeuroReport</i> , 1998, 9, 2179-2182.	0.6	52
123	Regional assessment of tissue oxygenation and the temporal evolution of hemodynamic parameters and water diffusion during acute focal ischemia in rat brain. <i>Brain Research</i> , 1997, 750, 161-170.	1.1	48
124	Cerebral ischemia and white matter edema in experimental hydrocephalus: a combined in vivo MRI and MRS study. <i>Brain Research</i> , 1997, 757, 295-298.	1.1	60
125	Dynamic changes in water ADC, energy metabolism, extracellular space volume, and tortuosity in neonatal rat brain during global ischemia. <i>Magnetic Resonance in Medicine</i> , 1996, 36, 52-60.	1.9	247
126	Biexponential diffusion attenuation in various states of brain tissue: Implications for diffusion-weighted imaging. <i>Magnetic Resonance in Medicine</i> , 1996, 36, 847-857.	1.9	534

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127	Diffusion of metabolites in normal and ischemic rat brain measured by localized ¹ H MRS. Magnetic Resonance in Medicine, 1996, 36, 914-922.	1.9	130
128	T1 and T2 relaxation times of the major ¹ H-containing metabolites in rat brain after focal ischemia. NMR in Biomedicine, 1995, 8, 245-252.	1.6	53
129	In vivo diffusion spectroscopy. An overview. NMR in Biomedicine, 1995, 8, 365-374.	1.6	50
130	Brain Imaging. , 0, , 233-256.		0