

Hao Lei

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

133
papers

4,945
citations

35
h-index

67
g-index

135
ext. papers

5,483
ext. citations

5.5
avg, IF

5.18
L-index

#	Paper	IF	Citations
133	LA-ICP-MS bioimaging demonstrated disturbance of metal ions in the brain of Parkinson's disease model mouse undergoing manganese-enhanced MRI.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	0
132	Sex-Dependent Alterations of Regional Homogeneity in Cigarette Smokers.. <i>Frontiers in Psychiatry</i> , 2022 , 13, 874893	5	
131	Histological Correlates of Neuroanatomical Changes in a Rat Model of Levodopa-Induced Dyskinesia Based on Voxel-Based Morphometry. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 759934	5.3	1
130	Repeated fluoxetine treatment induces transient and long-term astrocytic plasticity in the medial prefrontal cortex of normal adult rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021 , 107, 110252	5.5	2
129	Sex-specific effects of cigarette smoking on caudate and amygdala volume and resting-state functional connectivity. <i>Brain Imaging and Behavior</i> , 2021 , 15, 1-13	4.1	8
128	Mapping accumulative whole-brain activities during environmental enrichment with manganese-enhanced magnetic resonance imaging. <i>NeuroImage</i> , 2020 , 210, 116588	7.9	5
127	Microstructure abnormality in the optic nerve of type 1 diabetic rats revealed by diffusion tensor imaging study. <i>Magnetic Resonance Imaging</i> , 2020 , 71, 105-114	3.3	2
126	Interaction Between Smoking and Internet Gaming Disorder on Spontaneous Brain Activity. <i>Frontiers in Psychiatry</i> , 2020 , 11, 586114	5	4
125	Microglia-derived TNF- α mediates endothelial necroptosis aggravating blood brain-barrier disruption after ischemic stroke. <i>Cell Death and Disease</i> , 2019 , 10, 487	9.8	111
124	The Water Diffusion of Brain Following Hypoglycemia in Rats - A Study with Diffusion Weighted Imaging and Neuropathologic Analysis. <i>Neuroscience</i> , 2019 , 409, 58-68	3.9	1
123	Repeated fluoxetine treatment induces long-lasting neurotrophic changes in the medial prefrontal cortex of adult rats. <i>Behavioural Brain Research</i> , 2019 , 365, 114-124	3.4	17
122	Region-Specific Changes of Insular Cortical Thickness in Heavy Smokers. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 265	3.3	4
121	Age-dependent effects of (+)-MK801 treatment on glutamate release and metabolism in the rat medial prefrontal cortex. <i>Neurochemistry International</i> , 2019 , 129, 104503	4.4	3
120	Regional metabolic differences in rat prefrontal cortex measured with in vivo H-MRS correlate with regional histochemical differences. <i>NMR in Biomedicine</i> , 2019 , 32, e4024	4.4	2
119	Real-time monitoring prefrontal activities during online video game playing by functional near-infrared spectroscopy. <i>Journal of Biophotonics</i> , 2018 , 11, e201700308	3.1	3
118	Super-Resolution Track-Density Imaging Reveals Fine Anatomical Features in Tree Shrew Primary Visual Cortex and Hippocampus. <i>Neuroscience Bulletin</i> , 2018 , 34, 438-448	4.3	5
117	Structural Covariance of Gray Matter Volume in HIV Vertically Infected Adolescents. <i>Scientific Reports</i> , 2018 , 8, 1182	4.9	13

116	Sema3E/PlexinD1 inhibition is a therapeutic strategy for improving cerebral perfusion and restoring functional loss after stroke in aged rats. <i>Neurobiology of Aging</i> , 2018 , 70, 102-116	5.6	17
115	Sema4D/PlexinB1 inhibition ameliorates blood-brain barrier damage and improves outcome after stroke in rats. <i>FASEB Journal</i> , 2018 , 32, 2181-2196	0.9	25
114	MRI Study on the Changes of Bone Marrow Microvascular Permeability and Fat Content after Total-Body X-Ray Irradiation. <i>Radiation Research</i> , 2018 , 189, 205-212	3.1	4
113	Long-term Ameliorative Effects of the Antidepressant Fluoxetine Exposure on Cognitive Deficits in 3TgAD Mice. <i>Molecular Neurobiology</i> , 2017 , 54, 4160-4171	6.2	31
112	Fluoxetine administration during adolescence attenuates cognitive and synaptic deficits in adult 3TgAD mice. <i>Neuropharmacology</i> , 2017 , 126, 200-212	5.5	23
111	Metabolic profile of visual cortex in diabetic rats measured with in vivo proton MRS. <i>NMR in Biomedicine</i> , 2017 , 30, e3783	4.4	3
110	A diffusion tensor imaging atlas of white matter in tree shrew. <i>Brain Structure and Function</i> , 2017 , 222, 1733-1751	4	9
109	Structural Brain Imaging and Internet Addiction. <i>Studies in Neuroscience, Psychology and Behavioral Economics</i> , 2017 , 37-58	1.8	1
108	NMDA receptor antagonism by repetitive MK801 administration induces schizophrenia-like structural changes in the rat brain as revealed by voxel-based morphometry and diffusion tensor imaging. <i>Neuroscience</i> , 2016 , 322, 221-33	3.9	15
107	Direct detection of optogenetically evoked oscillatory neuronal electrical activity in rats using SLOE sequence. <i>NeuroImage</i> , 2016 , 125, 533-543	7.9	11
106	A highly efficient and tumor vascular-targeting therapeutic technique with size-expansive gadofullerene nanocrystals. <i>Science China Materials</i> , 2015 , 58, 799-810	7.1	40
105	White Matter Development is Potentially Influenced in Adolescents with Vertically Transmitted HIV Infections: A Tract-Based Spatial Statistics Study. <i>American Journal of Neuroradiology</i> , 2015 , 36, 2163-9	4.4	13
104	Oncostatin M Confers Neuroprotection against Ischemic Stroke. <i>Journal of Neuroscience</i> , 2015 , 35, 12047-62	6.2	21
103	An ultrasmall and metabolizable PEGylated NaGdF ₄ :Dy nanoprobe for high-performance T(1)/T(2)-weighted MR and CT multimodal imaging. <i>Nanoscale</i> , 2015 , 7, 15680-8	7.7	50
102	Altered brain functional networks in heavy smokers. <i>Addiction Biology</i> , 2015 , 20, 809-19	4.6	42
101	Aberrant corticostriatal functional circuits in adolescents with Internet addiction disorder. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 356	3.3	24
100	Region-specific cerebral metabolic alterations in streptozotocin-induced type 1 diabetic rats: an in vivo proton magnetic resonance spectroscopy study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015 , 35, 1738-45	7.3	13
99	Bilateral common carotid artery occlusion induced brain lesions in rats: A longitudinal diffusion tensor imaging study. <i>Magnetic Resonance Imaging</i> , 2015 , 33, 551-8	3.3	16

98	Study of Brain Bioenergetics and Function Using In Vivo MRS. <i>Biological Magnetic Resonance</i> , 2015 , 819-864	1.8	1
97	Structural Brain Imaging and Internet Addiction. <i>Studies in Neuroscience, Psychology and Behavioral Economics</i> , 2015 , 21-42	1.8	4
96	Anchoring group effects of surface ligands on magnetic properties of Fe ₃ O ₄ nanoparticles: towards high performance MRI contrast agents. <i>Advanced Materials</i> , 2014 , 26, 2694-8, 2016	24	156
95	Targeted in vivo imaging of microscopic tumors with ferritin-based nanoprobe across biological barriers. <i>Advanced Materials</i> , 2014 , 26, 2566-71	24	73
94	Gadolinium-1,4,7,10-tetraazacyclododecane-1,4,7,10-tetraacetic acid conjugate of arabinogalactan as a potential liver-targeting magnetic resonance imaging contrast agent. <i>Carbohydrate Research</i> , 2014 , 395, 9-14	2.9	10
93	Inflammation targeted Gd(3+)-based MRI contrast agents imaging tumor and rheumatoid arthritis models. <i>Bioconjugate Chemistry</i> , 2014 , 25, 1112-23	6.3	8
92	A critical role for interferon regulatory factor 9 in cerebral ischemic stroke. <i>Journal of Neuroscience</i> , 2014 , 34, 11897-912	6.6	41
91	Parkinson's disease: in vivo metabolic changes in the frontal and parietal cortices in 6-OHDA treated rats during different periods. <i>International Journal of Neuroscience</i> , 2014 , 124, 125-32	2	1
90	IRF4 is a novel mediator for neuronal survival in ischaemic stroke. <i>Cell Death and Differentiation</i> , 2014 , 21, 888-903	12.7	42
89	Dynamic MRI of rat brain following manganese administration through the internal carotid artery. <i>Neurological Research</i> , 2014 , 36, 679-86	2.7	1
88	Interferon regulatory factor 8 protects against cerebral ischaemic-reperfusion injury. <i>Journal of Neurochemistry</i> , 2014 , 129, 988-1001	6	29
87	Reversible loss of N-acetylaspartate after 15-min transient middle cerebral artery occlusion in rat: a longitudinal study with in vivo proton magnetic resonance spectroscopy. <i>Neurochemical Research</i> , 2013 , 38, 208-17	4.6	7
86	In vivo quantitative whole-brain diffusion tensor imaging analysis of APP/PS1 transgenic mice using voxel-based and atlas-based methods. <i>Neuroradiology</i> , 2013 , 55, 1027-1038	3.2	27
85	Magnetic/upconversion fluorescent NaGdF ₄ :Yb,Er nanoparticle-based dual-modal molecular probes for imaging tiny tumors in vivo. <i>ACS Nano</i> , 2013 , 7, 7227-40	16.7	302
84	Anatomical MRI templates of tree shrew brain for volumetric analysis and voxel-based morphometry. <i>Journal of Neuroscience Methods</i> , 2013 , 220, 9-17	3	7
83	Lesion of olfactory epithelium attenuates expression of morphine-induced behavioral sensitization and reinstatement of drug-primed conditioned place preference in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2013 , 103, 526-34	3.9	15
82	Temporal profiles of axonal injury following impact acceleration traumatic brain injury in rats--a comparative study with diffusion tensor imaging and morphological analysis. <i>International Journal of Legal Medicine</i> , 2013 , 127, 159-67	3.1	41
81	Heavy smokers show abnormal microstructural integrity in the anterior corpus callosum: a diffusion tensor imaging study with tract-based spatial statistics. <i>Drug and Alcohol Dependence</i> , 2013 , 129, 82-7	4.9	57

80	NaGdF ₄ nanoparticle-based molecular probes for magnetic resonance imaging of intraperitoneal tumor xenografts in vivo. <i>ACS Nano</i> , 2013 , 7, 330-8	16.7	183
79	The delivery of thrombi-specific nanoparticles incorporating oligonucleotides into injured cerebrovascular endothelium. <i>Biomaterials</i> , 2013 , 34, 4128-4136	15.6	11
78	Synthesis and evaluation of Bingel-Hirsch multiadducts of paramagnetic gadofullerene as potential magnetic resonance imaging contrast agents. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 1549-1554	1.3	5
77	Acute toxicity of zinc oxide nanoparticles to the rat olfactory system after intranasal instillation. <i>Journal of Applied Toxicology</i> , 2013 , 33, 1079-88	4.1	34
76	Ultrasmall manganese ferrite nanoparticles as positive contrast agent for magnetic resonance imaging. <i>Advanced Healthcare Materials</i> , 2013 , 2, 958-64	10.1	72
75	Iterative cross-correlation analysis of resting state functional magnetic resonance imaging data. <i>PLoS ONE</i> , 2013 , 8, e58653	3.7	3
74	The effects of lesion of the olfactory epithelium on morphine-induced sensitization and conditioned place preference in mice. <i>Behavioural Brain Research</i> , 2012 , 233, 71-8	3.4	6
73	Two-order targeted brain tumor imaging by using an optical/paramagnetic nanoprobe across the blood brain barrier. <i>ACS Nano</i> , 2012 , 6, 410-20	16.7	154
72	Combined action of MK-801 and ceftriaxone impairs the acquisition and reinstatement of morphine-induced conditioned place preference, and delays morphine extinction in rats. <i>Neuroscience Bulletin</i> , 2012 , 28, 567-76	4.3	15
71	Abnormalities in the brain of streptozotocin-induced type 1 diabetic rats revealed by diffusion tensor imaging. <i>NeuroImage: Clinical</i> , 2012 , 1, 57-65	5.3	17
70	Ultrasmall Water-Soluble and Biocompatible Magnetic Iron Oxide Nanoparticles as Positive and Negative Dual Contrast Agents. <i>Advanced Functional Materials</i> , 2012 , 22, 2387-2393	15.6	155
69	Abnormal white matter integrity in adolescents with internet addiction disorder: a tract-based spatial statistics study. <i>PLoS ONE</i> , 2012 , 7, e30253	3.7	167
68	Templates and Analysis Methods for Small Animal High-resolution Diffusion Magnetic Resonance Imaging*. <i>Progress in Biochemistry and Biophysics</i> , 2012 , 39, 513-518		
67	Gray matter abnormalities in Internet addiction: a voxel-based morphometry study. <i>European Journal of Radiology</i> , 2011 , 79, 92-5	4.7	201
66	Abnormal frontal cortex white matter connections in bipolar disorder: a DTI tractography study. <i>Journal of Affective Disorders</i> , 2011 , 131, 299-306	6.6	86
65	Retinal metabolic changes in an experimental model of optic nerve transection by ex vivo 1H magnetic resonance spectroscopy. <i>Neurochemical Research</i> , 2011 , 36, 2427-33	4.6	3
64	Differential changes of regional cerebral blood flow in two bat species during induced hypothermia measured by perfusion-weighted magnetic resonance imaging. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2011 , 181, 117-23	2.2	3
63	Grade classification of neuroepithelial tumors using high-resolution magic-angle spinning proton nuclear magnetic resonance spectroscopy and pattern recognition. <i>Science China Life Sciences</i> , 2011 , 54, 606-16	8.5	11

62	Imaging brain tumor by dendrimer-based optical/paramagnetic nanoprobe across the blood-brain barrier. <i>Chemical Communications</i> , 2011 , 47, 8130-2	5.8	58
61	Peptide-conjugated polyamidoamine dendrimer as a nanoscale tumor-targeted T1 magnetic resonance imaging contrast agent. <i>Biomaterials</i> , 2011 , 32, 2989-98	15.6	95
60	Chlorotoxin-modified macromolecular contrast agent for MRI tumor diagnosis. <i>Biomaterials</i> , 2011 , 32, 5177-86	15.6	59
59	Diffusion tensor group tractography of the corpus callosum in clinically isolated syndrome. <i>American Journal of Neuroradiology</i> , 2011 , 32, 92-8	4.4	6
58	Metabonomic studies of biochemical changes in the serum of rats by intratracheally instilled TiO ₂ nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 3065-74	1.3	29
57	Dose dependent in vivo metabolic characteristics of titanium dioxide nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 8575-83	1.3	31
56	Increased hippocampal T2 in a rat model of pentylenetetrazol-induced kindling correlates with seizure scores. <i>Journal of the Neurological Sciences</i> , 2010 , 292, 16-23	3.2	11
55	Functional changes in the frontal cortex in Parkinson's disease using a rat model. <i>Journal of Clinical Neuroscience</i> , 2010 , 17, 628-33	2.2	23
54	Potent angiogenesis inhibition by the particulate form of fullerene derivatives. <i>ACS Nano</i> , 2010 , 4, 2773-83	13.7	134
53	Reduction of hippocampal N-acetyl aspartate level in aged APP(Swe)/PS1(dE9) transgenic mice is associated with degeneration of CA3 pyramidal neurons. <i>Journal of Neuroscience Research</i> , 2010 , 88, 3155-60	4.4	13
52	An efficient gridding reconstruction method for multishot non-Cartesian imaging with correction of off-resonance artifacts. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 1691-7	4.4	2
51	A novel continuous arterial spin labeling approach for CBF measurement in rats with reduced labeling time and optimized signal-to-noise ratio efficiency. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2009 , 22, 135-42	2.8	2
50	Neuronal projections from ventral tegmental area to forebrain structures in rat studied by manganese-enhanced magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2009 , 27, 293-9	3.3	14
49	Synthesis and in vitro and in vivo evaluation of manganese(III) porphyrin-dextran as a novel MRI contrast agent. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 6675-8	2.9	35
48	Advanced In Vivo Heteronuclear MRS Approaches for Studying Brain Bioenergetics Driven by Mitochondria. <i>Methods in Molecular Biology</i> , 2009 , 489, 317-57	1.4	35
47	Whole brain diffusion tensor imaging histogram analysis in vascular cognitive impairment. <i>Journal of the Neurological Sciences</i> , 2008 , 268, 60-4	3.2	19
46	Metabolic changes in temporal lobe structures measured by HR-MAS NMR at early stage of electrogenic rat epilepsy. <i>Experimental Neurology</i> , 2008 , 212, 377-85	5.7	5
45	Histogram analysis of diffusion measures in clinically isolated syndromes and relapsing-remitting multiple sclerosis. <i>European Journal of Radiology</i> , 2008 , 68, 328-34	4.7	34

44	Experimental study of cell migration and functional differentiation of transplanted neural stem cells co-labeled with superparamagnetic iron oxide and BrdU in an ischemic rat model. <i>Biomedical and Environmental Sciences</i> , 2008 , 21, 420-4	1.1	10
43	Cerebral metabolic changes in a depression-like rat model of chronic forced swimming studied by ex vivo high resolution 1H magnetic resonance spectroscopy. <i>Neurochemical Research</i> , 2008 , 33, 2342-9	4.6	32
42	New Opportunities for High-Field In Vivo MRS in Studying Brain Bioenergetics and Function. <i>Brain Imaging and Behavior</i> , 2008 , 2, 232-241	4.1	1
41	A single-scan T2* mapping method based on two gradient-echo images with compensation for macroscopic field inhomogeneity. <i>Magnetic Resonance in Medicine</i> , 2008 , 60, 1388-95	4.4	7
40	Synthesis and evaluation of Gd-DTPA-labeled arabinogalactans as potential MRI contrast agents. <i>Carbohydrate Research</i> , 2008 , 343, 685-94	2.9	13
39	1H MRS Characterization of Cerebral Metabolic Changes in Transgenic Mouse Models of Alzheimer's Disease 2008 , 553-557		
38	Elemental distributions in rat olfactory bulbs after exposure to MnCl ₂ measured by synchrotron radiation X-ray fluorescence. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2007 , 272, 589-593	1.5	
37	Superparamagnetic iron oxide labeling of neural stem cells and 4.7T MRI tracking in vivo and in vitro. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2007 , 27, 107-10		13
36	Mn(II)-monosubstituted polyoxometalates as candidates for contrast agents in magnetic resonance imaging. <i>Journal of Inorganic Biochemistry</i> , 2007 , 101, 1036-42	4.2	19
35	The gadolinium complexes with polyoxometalates as potential MRI contrast agents. <i>Magnetic Resonance Imaging</i> , 2007 , 25, 412-7	3.3	47
34	Detection of toxoplasmic lesions in mouse brain by USPIO-enhanced magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2007 , 25, 1442-8	3.3	16
33	Metabolic changes in rat prefrontal cortex and hippocampus induced by chronic morphine treatment studied ex vivo by high resolution 1H NMR spectroscopy. <i>Neurochemistry International</i> , 2007 , 50, 386-94	4.4	59
32	Progressive atrophy in the optic pathway and visual cortex of early blind Chinese adults: A voxel-based morphometry magnetic resonance imaging study. <i>NeuroImage</i> , 2007 , 37, 212-20	7.9	107
31	MR diffusion changes correlate with ultra-structurally defined axonal degeneration in murine optic nerve. <i>NeuroImage</i> , 2007 , 37, 1138-47	7.9	72
30	High-resolution magic-angle spinning (13)C spectroscopy of brain tissue at natural abundance. <i>Magnetic Resonance in Chemistry</i> , 2006 , 44, 263-8	2.1	4
29	Delayed changes in T1-weighted signal intensity in a rat model of 15-minute transient focal ischemia studied by magnetic resonance imaging/spectroscopy and synchrotron radiation X-ray fluorescence. <i>Magnetic Resonance in Medicine</i> , 2006 , 56, 474-80	4.4	17
28	Manipulation of image intensity distribution at 7.0 T: passive RF shimming and focusing with dielectric materials. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 24, 197-202	5.6	90
27	Fast water-exchange Gd ³⁺ -(DO3A-like) complex functionalized with aza-15-crown-5 showing prolonged residence lifetime in vivo. <i>Bioconjugate Chemistry</i> , 2006 , 17, 571-4	6.3	23

26	Study of rare earth encapsulated carbon nanomolecules for biomedical uses. <i>Journal of Alloys and Compounds</i> , 2006 , 408-412, 400-404	5.7	26
25	Dynamic changes in orbitofrontal neuronal activity in rats during opiate administration and withdrawal. <i>Neuroscience</i> , 2006 , 138, 77-82	3.9	25
24	Brain structures of echolocating and nonecholocating bats, derived in vivo from magnetic resonance images. <i>NeuroReport</i> , 2006 , 17, 1743-6	1.7	10
23	Neurochemical changes in brain induced by chronic morphine treatment: NMR studies in thalamus and somatosensory cortex of rats. <i>Neurochemical Research</i> , 2006 , 31, 1255-61	4.6	20
22	A Novel 3D Correspondence-Less Method for MRI and Paxinos-Watson Atlas of Rat Brain Registration. <i>Lecture Notes in Computer Science</i> , 2006 , 269-276	0.9	
21	One-Pot Reaction to Synthesize Biocompatible Magnetite Nanoparticles. <i>Advanced Materials</i> , 2005 , 17, 1001-1005	24	407
20	Tracing neuronal tracts in the olfactory pathway of rat and detecting ischemic core in a rat model of focal ischemia using manganese enhanced magnetic resonance imaging. <i>Science Bulletin</i> , 2004 , 49, 1834		2
19	Simplified methods for calculating cerebral metabolic rate of oxygen based on ¹⁷ O magnetic resonance spectroscopic imaging measurement during a short ¹⁷ O ₂ inhalation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004 , 24, 840-8	7.3	47
18	Tracing neuronal tracts in the olfactory pathway of rat and detecting ischemic core in a rat model of focal ischemia using manganese enhanced magnetic resonance imaging. <i>Science Bulletin</i> , 2004 , 49, 1834-1840		1
17	Investigation of sandwiched gadolinium (III) complexes with tungstosilicates as potential MRI contrast agents. <i>Magnetic Resonance Imaging</i> , 2004 , 22, 421-6	3.3	18
16	Gadolinium heteropoly complex K ₁₇ [Gd(P ₂ W ₁₇ O ₆₁) ₂] as a potential MRI contrast agent. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 281, 405-409	2.8	8
15	Measurement of unidirectional Pi to ATP flux in human visual cortex at 7 T by using in vivo ³¹ P magnetic resonance spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 14409-14	11.5	90
14	In vivo ³¹ P magnetic resonance spectroscopy of human brain at 7 T: an initial experience. <i>Magnetic Resonance in Medicine</i> , 2003 , 49, 199-205	4.4	137
13	Changes in the proton T ₂ relaxation times of cerebral water and metabolites during forebrain ischemia in rat at 9.4 T. <i>Magnetic Resonance in Medicine</i> , 2003 , 49, 979-84	4.4	25
12	³¹ P- ³¹ P coupling and ATP T ₂ measurement in human brain at 7T. <i>Magnetic Resonance in Medicine</i> , 2003 , 50, 656-658	4.4	1
11	Changes in oxygenation of intracranial tumors with carbogen: a BOLD MRI and EPR oximetry study. <i>Journal of Magnetic Resonance Imaging</i> , 2002 , 16, 511-21	5.6	97
10	Development of (¹⁷ O) NMR approach for fast imaging of cerebral metabolic rate of oxygen in rat brain at high field. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 13194-9	11.5	113
9	A serial MR study of cerebral blood flow changes and lesion development following endothelin-1-induced ischemia in rats. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 827-30	4.4	106

8	The effects of slice-selective excitation/refocusing in localized spectral editing with gradient-selected double-quantum coherence transfer. <i>Journal of Magnetic Resonance</i> , 2001 , 150, 17-25 ³		9
7	The effects of ketamine-xylazine anesthesia on cerebral blood flow and oxygenation observed using nuclear magnetic resonance perfusion imaging and electron paramagnetic resonance oximetry. <i>Brain Research</i> , 2001 , 913, 174-9	3.7	103
6	Simultaneous spectral editing for gamma-aminobutyric acid and taurine using double quantum coherence transfer. <i>Journal of Magnetic Resonance</i> , 2000 , 143, 95-100	3	16
5	Off-resonance effects of the radiofrequency pulses used in spectral editing with double-quantum coherence transfer. <i>Journal of Magnetic Resonance</i> , 2000 , 144, 89-95	3	5
4	Simultaneous lactate editing and observation of other metabolites using a stimulated-echo-enhanced double-quantum filter. <i>Journal of Magnetic Resonance</i> , 1999 , 137, 215-20	3	10
3	A strategy to optimize the signal-to-noise ratio in one-coil arterial spin tagging perfusion imaging. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 563-8	4.4	15
2	A localized double-quantum filter for in vivo detection of taurine. <i>Magnetic Resonance in Medicine</i> , 1999 , 42, 454-60	4.4	23
1	Temporal profile of magnetic resonance imaging changes following forebrain ischemia in the gerbil. <i>Neuroscience Letters</i> , 1998 , 257, 105-8	3.3	9