

Peter B Barker

List of Publications by Year in descending order

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238
papers

8,757
citations

36203

51
h-index

53109

85
g-index

249
all docs

249
docs citations

249
times ranked

8054
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of linear combination modeling strategies for edited magnetic resonance spectroscopy at 3ÅT. NMR in Biomedicine, 2022, 35, e4618.	1.6	26
2	A multimodal study of a first episode psychosis cohort: potential markers of antipsychotic treatment resistance. Molecular Psychiatry, 2022, 27, 1184-1191.	4.1	18
3	A multi-institutional pilot clinical trial of spectroscopic MRI-guided radiation dose escalation for newly diagnosed glioblastoma. Neuro-Oncology Advances, 2022, 4, vdac006.	0.4	14
4	Brain Pathology in Multiple Sclerosis with High-Field-Strength MR Spectroscopic Imaging. Radiology, 2022, 303, 151-152.	3.6	2
5	Two Factors, Five Factors, or Both? External Validation Studies of Negative Symptom Dimensions in Schizophrenia. Schizophrenia Bulletin, 2022, 48, 620-630.	2.3	18
6	Final Report on Clinical Outcomes and Tumor Recurrence Patterns of a Pilot Study Assessing Efficacy of Belinostat (PXD-101) with Chemoradiation for Newly Diagnosed Glioblastoma. Tomography, 2022, 8, 688-700.	0.8	8
7	Magnetic resonance spectroscopic imaging of downfield proton resonances in the human brain at 3 T. Magnetic Resonance in Medicine, 2022, 87, 1661-1672.	1.9	7
8	A multimodal approach to studying the relationship between peripheral glutathione, brain glutamate, and cognition in health and in schizophrenia. Molecular Psychiatry, 2021, 26, 3502-3511.	4.1	28
9	Advanced magnetic resonance spectroscopic neuroimaging: Experts' consensus recommendations. NMR in Biomedicine, 2021, 34, e4309.	1.6	72
10	Neurotransmitters and Neurometabolites in Late-Life Depression: A Preliminary Magnetic Resonance Spectroscopy Study at 7T. Journal of Affective Disorders, 2021, 279, 417-425.	2.0	20
11	Spectral editing in ¹ H magnetic resonance spectroscopy: Experts' consensus recommendations. NMR in Biomedicine, 2021, 34, e4411.	1.6	74
12	Across-vendor standardization of semi-LASER for single-voxel MRS at 3T. NMR in Biomedicine, 2021, 34, e4218.	1.6	43
13	BIMG-23. SINGLE-VOXEL VERSUS MULTI-SLICE MRSI IN PATIENTS WITH GLIOMA ON A KETOGENIC DIET INTERVENTION. Neuro-Oncology Advances, 2021, 3, i6-i6.	0.4	0
14	DDRE-31. FEASIBILITY AND BIOLOGIC ACTIVITY OF A KETOGENIC / INTERMITTENT FASTING DIET IN GLIOMA PATIENTS. Neuro-Oncology Advances, 2021, 3, i13-i13.	0.4	0
15	Metabolite Alterations in Adults With Schizophrenia, First Degree Relatives, and Healthy Controls: A Multi-Region 7T MRS Study. Frontiers in Psychiatry, 2021, 12, 656459.	1.3	19
16	Imaging Brown Adipose Tissue Using Magnetic Resonance: A Promising Future?. Radiology, 2021, 299, 407-408.	3.6	4
17	A multisite clinical trial of spectroscopic MRI-guided radiation dose escalation for newly-diagnosed glioblastomas.. Journal of Clinical Oncology, 2021, 39, 2018-2018.	0.8	5
18	Estimation and removal of spurious echo artifacts in single-voxel MRS using sensitivity encoding. Magnetic Resonance in Medicine, 2021, 86, 2339-2352.	1.9	3

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19	MTT and Blood-Brain Barrier Disruption within Asymptomatic Vascular WM Lesions. American Journal of Neuroradiology, 2021, 42, 1396-1402.	1.2	7
20	Editorial for "Effect of DRD4 Receptor 616 C/G Polymorphism on Thalamic GABA Levels in Pediatric Patients With Primary Nocturnal Enuresis" Journal of Magnetic Resonance Imaging, 2021, 54, 1865-1866.	1.9	0
21	Feasibility and Biological Activity of a Ketogenic/Intermittent-Fasting Diet in Patients With Glioma. Neurology, 2021, 97, e953-e963.	1.5	18
22	Hyperpolarized MRI, functional MRI, MR spectroscopy and CEST to provide metabolic information in vivo. Current Opinion in Chemical Biology, 2021, 63, 209-218.	2.8	17
23	Psilocybin therapy increases cognitive and neural flexibility in patients with major depressive disorder. Translational Psychiatry, 2021, 11, 574.	2.4	115
24	Association of Missense Mutation in FOLH1 With Decreased NAAG Levels and Impaired Working Memory Circuitry and Cognition. American Journal of Psychiatry, 2020, 177, 1129-1139.	4.0	29
25	Meta-analysis of brain metabolite differences in HIV infection. NeuroImage: Clinical, 2020, 28, 102436.	1.4	14
26	Fast whole brain MR imaging of dynamic susceptibility contrast changes in the cerebrospinal fluid (cDSC MRI). Magnetic Resonance in Medicine, 2020, 84, 3256-3270.	1.9	12
27	Comparison of Multivendor Single-Voxel MR Spectroscopy Data Acquired in Healthy Brain at 26 Sites. Radiology, 2020, 295, 171-180.	3.6	31
28	Beta-amyloid (A β) uptake by PET imaging in older HIV+ and HIV- individuals. Journal of NeuroVirology, 2020, 26, 382-390.	1.0	15
29	NIMG-53. GLUTAMATE/GABA RATIO ON MRS IS ELEVATED IN PATIENTS WITH LOWER GRADE GLIOMAS AND SEIZURES. Neuro-Oncology, 2020, 22, ii159-ii160.	0.6	0
30	CTNI-13. UPDATES ON CLINICAL OUTCOMES AND TUMOR RECURRENCE PATTERNS OF A HUMAN PILOT STUDY ASSESSING EFFICACY OF BELINOSTAT (PXD-101) COMBINING WITH CHEMORADIATION IN TREATING GLIOBLASTOMA. Neuro-Oncology, 2020, 22, ii44-ii44.	0.6	0
31	Retrospective motion compensation for edited MR spectroscopic imaging. NeuroImage, 2019, 202, 116141.	2.1	4
32	Neurometabolic and functional connectivity basis of prosocial behavior in early adolescence. Scientific Reports, 2019, 9, 732.	1.6	9
33	Water removal in MR spectroscopic imaging with L2 regularization. Magnetic Resonance in Medicine, 2019, 82, 1278-1287.	1.9	10
34	Big GABA II: Water-referenced edited MR spectroscopy at 25 research sites. NeuroImage, 2019, 191, 537-548.	2.1	76
35	Methodological consensus on clinical proton MRS of the brain: Review and recommendations. Magnetic Resonance in Medicine, 2019, 82, 527-550.	1.9	280
36	Simultaneous editing of GABA and GSH with Hadamard-encoded MR spectroscopic imaging. Magnetic Resonance in Medicine, 2019, 82, 21-32.	1.9	20

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37	ACTR-44. FEASIBILITY, PHARMACODYNAMICS, AND BIOLOGIC ACTIVITY OF THE GLIOMA ATKINS-BASED DIET (GLAD) FOR PREVENTING TUMOR RECURRENCE IN GLIOMA PATIENTS. <i>Neuro-Oncology</i> , 2019, 21, vi23-vi23.	0.6	0
38	ACTR-70. A MULTISITE CLINICAL TRIAL OF SPECTROSCOPIC MRI-GUIDED RADIATION DOSE ESCALATION IN GLIOBLASTOMA PATIENTS. <i>Neuro-Oncology</i> , 2019, 21, vi29-vi30.	0.6	2
39	Cerebral Ketones Detected by 3T MR Spectroscopy in Patients with High-Grade Glioma on an Atkins-Based Diet. <i>American Journal of Neuroradiology</i> , 2019, 40, 1908-1915.	1.2	6
40	Neurometabolites and associations with cognitive deficits in mild cognitive impairment: a magnetic resonance spectroscopy study at 7T. <i>Neurobiology of Aging</i> , 2019, 73, 211-218.	1.5	61
41	Assessing Brain Metabolism With 7-T Proton Magnetic Resonance Spectroscopy in Patients With First-Episode Psychosis. <i>JAMA Psychiatry</i> , 2019, 76, 314.	6.0	128
42	Identifying Recurrent Malignant Glioma after Treatment Using Amide Proton Transfer-Weighted MR Imaging: A Validation Study with Image-Guided Stereotactic Biopsy. <i>Clinical Cancer Research</i> , 2019, 25, 552-561.	3.2	104
43	Reproducibility of brain MRS in older healthy adults at 7T. <i>NMR in Biomedicine</i> , 2019, 32, e4040.	1.6	15
44	7T Brain MRS in HIV Infection: Correlation with Cognitive Impairment and Performance on Neuropsychological Tests. <i>American Journal of Neuroradiology</i> , 2018, 39, 704-712.	1.2	13
45	A convolutional neural network to filter artifacts in spectroscopic MRI. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1765-1775.	1.9	67
46	AutoVOI: real-time automatic prescription of volume of interest for single voxel spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1787-1798.	1.9	32
47	Effects of Aging on the Human Brain: A Proton and Phosphorus MR Spectroscopy Study at 3T. <i>Journal of Neuroimaging</i> , 2018, 28, 416-421.	1.0	46
48	Water suppression in the human brain with hypergeometric RF pulses for single-voxel and multi-voxel MR spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1298-1306.	1.9	4
49	Simultaneous editing of GABA and glutathione at 7T using semi-LASER localization. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 474-479.	1.9	12
50	Multivoxel proton magnetic resonance spectroscopy in facioscapulohumeral muscular dystrophy. <i>Muscle and Nerve</i> , 2018, 57, 958-963.	1.0	7
51	Decoupling of Brain Temperature and Glutamate in Recent Onset of Schizophrenia: A 7T Proton Magnetic Resonance Spectroscopy Study. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 248-254.	1.1	26
52	Effects of eddy currents on selective spectral editing experiments at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 673-681.	1.9	6
53	HIV disease and diabetes interact to affect brain white matter hyperintensities and cognition. <i>Aids</i> , 2018, 32, 1803-1810.	1.0	27
54	Retention Concerns About MR Studies Using Gadolinium-Based Contrast Agents. <i>Journal of the American College of Radiology</i> , 2018, 15, 934-936.	0.9	3

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55	High-resolution methods for the measurement of scalar coupling constants. Progress in Nuclear Magnetic Resonance Spectroscopy, 2018, 109, 135-159.	3.9	20
56	Echo time optimization for J-difference editing of glutathione at 3T. Magnetic Resonance in Medicine, 2017, 77, 498-504.	1.9	27
57	Spatial Hadamard encoding of J-edited spectroscopy using slice-selective editing pulses. NMR in Biomedicine, 2017, 30, e3688.	1.6	5
58	Normalizing data from GABA-edited MEGA-PRESS implementations at 3 Tesla. Magnetic Resonance Imaging, 2017, 42, 8-15.	1.0	15
59	Frequency-Dependent Changes in the Amplitude of Low-Frequency Fluctuations in Mild Cognitive Impairment with Mild Depression. Journal of Alzheimer's Disease, 2017, 58, 1175-1187.	1.2	50
60	Investigation of the contribution of total creatine to the CEST spectrum of brain using a knockout mouse model. NMR in Biomedicine, 2017, 30, e3834.	1.6	64
61	¹ H MRS processing parameters affect metabolite quantification: The urgent need for uniform and transparent standardization. NMR in Biomedicine, 2017, 30, e3804.	1.6	31
62	Simultaneous detection of glutathione and lactate using spectral editing at 3T. NMR in Biomedicine, 2017, 30, e3800.	1.6	8
63	Big GABA: Edited MR spectroscopy at 24 research sites. NeuroImage, 2017, 159, 32-45.	2.1	143
64	Simultaneous measurement of Aspartate, NAA, and NAAG using HERMES spectral editing at 3 Tesla. NeuroImage, 2017, 155, 587-593.	2.1	19
65	Dual-volume excitation and parallel reconstruction for J-difference-edited MR spectroscopy. Magnetic Resonance in Medicine, 2017, 77, 16-22.	1.9	12
66	A simultaneous multi-slice selective J-resolved experiment for fully resolved scalar coupling information. Journal of Magnetic Resonance, 2017, 282, 27-31.	1.2	12
67	Amide proton transfer-weighted magnetic resonance image-guided stereotactic biopsy in patients with newly diagnosed gliomas. European Journal of Cancer, 2017, 83, 9-18.	1.3	82
68	175.2 MHz Glu That Binds Inflammation and Neurotransmission: Glutathione as a Glutamate Reservoir. Schizophrenia Bulletin, 2017, 43, S89-S89.	2.3	0
69	Sulforaphane Augments Glutathione and Influences Brain Metabolites in Human Subjects: A Clinical Pilot Study. Molecular Neuropsychiatry, 2017, 3, 214-222.	3.0	58
70	Voxel Placement Precision for GABA-Edited Magnetic Resonance Spectroscopy. Open Journal of Radiology, 2017, 07, 35-44.	0.1	22
71	Dynamic Susceptibility Contrast MRI at 7 T: Tail-Scaling Analysis and Inferences about Field Strength Dependence. Tomography, 2017, 3, 74-78.	0.8	3
72	HERMES: Hadamard encoding and reconstruction of MEGA-edited spectroscopy. Magnetic Resonance in Medicine, 2016, 76, 11-19.	1.9	59

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73	Prospective frequency correction for macromolecule-suppressed GABA editing at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 1474-1482.	1.9	74
74	GABA quantitation using MEGA-PRESS: Regional and hemispheric differences. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 1619-1623.	1.9	31
75	The MRI Helium Crisis: Past and Future. <i>Journal of the American College of Radiology</i> , 2016, 13, 1536-1537.	0.9	12
76	Brain iron deficiency in idiopathic restless legs syndrome measured by quantitative magnetic susceptibility at 7 tesla. <i>Sleep Medicine</i> , 2016, 22, 75-82.	0.8	70
77	Age-related changes in anterior cingulate cortex glutamate in schizophrenia: A 1H MRS Study at 7Tesla. <i>Schizophrenia Research</i> , 2016, 172, 101-105.	1.1	67
78	Correlates of virtual navigation performance in older adults. <i>Neurobiology of Aging</i> , 2016, 39, 118-127.	1.5	32
79	A case of acute onset succinic semialdehyde dehydrogenase deficiency: neuroimaging findings and literature review. <i>Child's Nervous System</i> , 2016, 32, 1305-1309.	0.6	9
80	Cortical brain atrophy and intra-individual variability in neuropsychological test performance in HIV disease. <i>Brain Imaging and Behavior</i> , 2016, 10, 640-651.	1.1	34
81	Comparison of brain gray and white matter macromolecule resonances at 3 and 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 607-613.	1.9	51
82	Spectral-editing measurements of GABA in the human brain with and without macromolecule suppression. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1523-1529.	1.9	78
83	Multivendor implementation and comparison of volumetric whole-brain echo-planar MR spectroscopic imaging. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1209-1220.	1.9	51
84	Dynamic Glucose-Enhanced (DGE) MRI: Translation to Human Scanning and First Results in Glioma Patients. <i>Tomography</i> , 2015, 1, 105-114.	0.8	153
85	Co-registration of magnetic resonance spectroscopy and transcranial magnetic stimulation. <i>Journal of Neuroscience Methods</i> , 2015, 242, 52-57.	1.3	9
86	Reply to: The Impact of Magnetic Resonance Spectroscopy in Elucidating the Role of Apolipoprotein E Epsilon4 in Preclinical Alzheimer's Disease. <i>Biological Psychiatry</i> , 2015, 77, e41-e42.	0.7	0
87	Comparison of single voxel brain MRS AT 3T and 7T using 32-channel head coils. <i>Magnetic Resonance Imaging</i> , 2015, 33, 1013-1018.	1.0	68
88	Multi-Regional Investigation of the Relationship between Functional MRI Blood Oxygenation Level Dependent (BOLD) Activation and GABA Concentration. <i>PLoS ONE</i> , 2015, 10, e0117531.	1.1	37
89	Gannet: A batch-processing tool for the quantitative analysis of gamma-aminobutyric acid-edited MR spectroscopy spectra. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 1445-1452.	1.9	487
90	Diagnosis and Characterization of Brain Tumors: MR Spectroscopic Imaging. , 2014, , 39-55.		3

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91	Impact of frequency drift on gamma-aminobutyric acid-edited MR spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 941-948.	1.9	100
92	Multimodal <scp>MRI</scp> as a diagnostic biomarker for amyotrophic lateral sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 107-114.	1.7	45
93	Clinical Proton MR Spectroscopy in Central Nervous System Disorders. <i>Radiology</i> , 2014, 270, 658-679.	3.6	524
94	Pretreatment Bloodâ€“Brain Barrier Damage and Post-Treatment Intracranial Hemorrhage in Patients Receiving Intravenous Tissue-Type Plasminogen Activator. <i>Stroke</i> , 2014, 45, 2030-2035.	1.0	73
95	Proton magnetic resonance spectroscopy of skeletal muscle: A comparison of two quantitation techniques. <i>Journal of Magnetic Resonance</i> , 2014, 243, 81-84.	1.2	18
96	Ultra-High Field MRSI (7T and Beyond). , 2014, , 195-209.		0
97	Spinâ€“echo magnetic resonance spectroscopic imaging at 7 T with frequencyâ€“modulated refocusing pulses. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1217-1225.	1.9	21
98	Edited magnetic resonance spectroscopy detects an age-related decline in brain GABA levels. <i>NeuroImage</i> , 2013, 78, 75-82.	2.1	247
99	An Imbalance Between Excitatory and Inhibitory Neurotransmitters in Amyotrophic Lateral Sclerosis Revealed by Use of 3-T Proton Magnetic Resonance Spectroscopy. <i>JAMA Neurology</i> , 2013, 70, 1009.	4.5	126
100	In Vivo Measurements of Glutamate, GABA, and NAAG in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2013, 39, 1096-1104.	2.3	135
101	GABA Predicts Inhibition of Frequency-Specific Oscillations in Schizophrenia. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2013, 25, 83-87.	0.9	28
102	Determining the in vivo transverse relaxation time of GABA in the human brain at 7T. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 1224-1229.	1.9	11
103	Reproducibility of brain spectroscopy at 7T using conventional localization and spectral editing techniques. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 460-467.	1.9	70
104	Arterial spin labeling-MRI: acquisition and analysis techniques. , 2013, , 38-57.		3
105	MR perfusion imaging in oncology: neuro applications. , 2013, , 204-237.		2
106	Imaging of flow: basic principles. , 2013, , 1-15.		1
107	<i>â€“difference editing of gammaâ€“aminobutyric acid (GABA): Simulated and experimental multiplet patterns. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 1183-1191.	1.9	56
108	Imaging of brain oxygenation. , 2013, , 75-88.		2

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109	Dynamic susceptibility contrast MRI: acquisition and analysis techniques. , 2013, , 16-37.		3
110	DCE-MRI: acquisition and analysis techniques. , 2013, , 58-74.		15
111	Inhibition of Glutamate Carboxypeptidase II (GCPII) activity as a treatment for cognitive impairment in multiple sclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20101-20106.	3.3	57
112	Macromoleculeâ€suppressed GABAâ€edited magnetic resonance spectroscopy at 3T. Magnetic Resonance in Medicine, 2012, 68, 657-661.	1.9	111
113	Measuring T₂ in vivo with Jâ€difference editing: Application to GABA at 3 tesla. Journal of Magnetic Resonance Imaging, 2012, 35, 229-234.	1.9	70
114	Subcortical brain atrophy persists even in HAART-regulated HIV disease. Brain Imaging and Behavior, 2011, 5, 77-85.	1.1	154
115	High resolution spectroscopic imaging of GABA at 3 Tesla. Magnetic Resonance in Medicine, 2011, 65, 603-609.	1.9	57
116	If J doesn't evolve, it won't Jâ€resolve: Jâ€PRESS with bandwidthâ€limited refocusing pulses. Magnetic Resonance in Medicine, 2011, 65, 1509-1514.	1.9	17
117	Quantitative cerebral blood flow in dynamic susceptibility contrast MRI using total cerebral flow from phase contrast magnetic resonance angiography. Magnetic Resonance in Medicine, 2011, 66, 57-66.	1.9	24
118	High resolution spectroscopic imaging of GABA at 3 Tesla. Magnetic Resonance in Medicine, 2011, 65, spcone-spcone.	1.9	1
119	Readdressing synaptic pruning theory for schizophrenia. Communicative and Integrative Biology, 2011, 4, 211-212.	0.6	14
120	MR Spectroscopy and Spectroscopic Imaging of the Brain. Methods in Molecular Biology, 2011, 711, 203-226.	0.4	150
121	Brain metabolism and cognitive impairment in HIV infection: a 3-T magnetic resonance spectroscopy study. Magnetic Resonance Imaging, 2010, 28, 1251-1257.	1.0	75
122	Dualâ€band water and lipid suppression for MR spectroscopic imaging at 3 Tesla. Magnetic Resonance in Medicine, 2010, 63, 1486-1492.	1.9	33
123	Fast 3D chemical exchange saturation transfer (CEST) imaging of the human brain. Magnetic Resonance in Medicine, 2010, 64, 638-644.	1.9	134
124	Quantitative SENSE-MRSI of the human brain. Magnetic Resonance Imaging, 2010, 28, 305-313.	1.0	30
125	Fundamentals of MR spectroscopy. , 2009, , 5-20.		4
126	Brain metabolism in rett syndrome: Age, clinical, and genotype correlations. Annals of Neurology, 2009, 65, 90-97.	2.8	43

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127	Introduction to MR spectroscopy in vivo. , 2009, , 1-18.		0
128	MRS in stroke and hypoxicâ€“ischemic encephalopathy. , 2009, , 91-109.		0
129	MRS in epilepsy. , 2009, , 131-143.		0
130	MRS in neurodegenerative disease. , 2009, , 144-160.		0
131	Regional apparent metabolite concentrations in young adult brain measured by ¹ H MR spectroscopy at 3 Tesla. Journal of Magnetic Resonance Imaging, 2008, 27, 489-499.	1.9	89
132	In vivo differentiation of N-acetyl aspartyl glutamate from N-acetyl aspartate at 3 Tesla. Magnetic Resonance in Medicine, 2007, 57, 977-982.	1.9	92
133	Spatial effects in the detection of ¹³ â€“aminobutyric acid: Improved sensitivity at high fields using inner volume saturation. Magnetic Resonance in Medicine, 2007, 58, 1276-1282.	1.9	150
134	Proton MR spectroscopic imaging of the medulla and cervical spinal cord. Journal of Magnetic Resonance Imaging, 2007, 26, 1101-1105.	1.9	28
135	In vivo proton MR spectroscopy of the human brain. Progress in Nuclear Magnetic Resonance Spectroscopy, 2006, 49, 99-128.	3.9	110
136	Optimized detection of lactate at high fields using inner volume saturation. Magnetic Resonance in Medicine, 2006, 56, 912-917.	1.9	70
137	Proton magnetic resonance spectroscopic imaging to differentiate between nonneoplastic lesions and brain tumors in children. Journal of Magnetic Resonance Imaging, 2006, 23, 99-107.	1.9	59
138	Quantitation of NAA in the Brain by Magnetic Resonance Spectroscopy. , 2006, 576, 183-197.		12
139	Quantitative proton magnetic resonance spectroscopic imaging: Regional variations in the corpus callosum and cortical gray matter. Journal of Magnetic Resonance Imaging, 2005, 22, 175-179.	1.9	35
140	Simultaneous water and lipid suppression for in vivo brain spectroscopy in humans. Magnetic Resonance in Medicine, 2005, 54, 691-696.	1.9	31
141	Fast method for brain image segmentation: Application to proton magnetic resonance spectroscopic imaging. Magnetic Resonance in Medicine, 2005, 54, 1268-1272.	1.9	12
142	The neglected role of the right hemisphere in spatial representation of words for reading. Aphasiology, 2005, 19, 225-238.	1.4	14
143	Proton magnetic resonance spectroscopic imaging of human breast cancer: A preliminary study. Journal of Magnetic Resonance Imaging, 2004, 19, 68-75.	1.9	162
144	Asymmetry and gender effect in functionally lateralized cortical regions: A proton MRS imaging study. Journal of Magnetic Resonance Imaging, 2004, 19, 27-33.	1.9	51

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145	Metabolites in ventricular cerebrospinal fluid detected by proton magnetic resonance spectroscopic imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 20, 496-500.	1.9	16
146	Quantitative proton MR spectroscopic imaging of the mesial temporal lobe. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 20, 772-778.	1.9	29
147	Topical Review: Neuroimaging in Leukodystrophies. <i>Journal of Child Neurology</i> , 2004, 19, 559-570.	0.7	32
148	Proton MR spectroscopy in the diagnostic evaluation of suspected mitochondrial disease. <i>American Journal of Neuroradiology</i> , 2003, 24, 33-41.	1.2	113
149	In vivo quantitative proton MRSI study of brain development from childhood to adolescence. <i>Journal of Magnetic Resonance Imaging</i> , 2002, 15, 137-143.	1.9	110
150	Scan time reduction in proton magnetic resonance spectroscopic imaging of the human brain. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 384-387.	1.9	40
151	Proton magnetic resonance spectroscopy of choroid plexus tumors in children. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 14, 78-82.	1.9	61
152	Single-voxel proton MRS of the human brain at 1.5T and 3.0T. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 765-769.	1.9	209
153	Quantitative proton MR spectroscopic imaging of normal human cerebellum and brain stem. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 699-705.	1.9	78
154	N-Acetyl Aspartate?A Neuronal Marker?. <i>Annals of Neurology</i> , 2001, 49, 423-424.	2.8	146
155	Broadband proton decoupling for in vivo brain spectroscopy in humans. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 226-232.	1.9	31
156	Quantitative proton MR spectroscopic imaging of normal human cerebellum and brain stem. , 2001, 46, 699.		2
157	Metabolic heterogeneity at the level of the anterior and posterior commissures. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 348-354.	1.9	36
158	Magnesium and pH imaging of the human brain at 3.0 Tesla. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 400-406.	1.9	46
159	Magnetic Resonance Spectroscopy and Spectroscopic Imaging for the Study of Brain Metabolism. <i>Annals of the New York Academy of Sciences</i> , 1997, 820, 75-96.	1.8	58
160	Multiple tuning of birdcage resonators. <i>Magnetic Resonance in Medicine</i> , 1997, 37, 243-251.	1.9	25
161	Quantitative proton MR spectroscopic imaging of the human brain. <i>Magnetic Resonance in Medicine</i> , 1996, 35, 356-363.	1.9	254
162	Correction of motional artifacts in diffusion-weighted images using a reference phase map. <i>Magnetic Resonance in Medicine</i> , 1995, 34, 476-480.	1.9	27

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163	Quantitative proton spectroscopy of canine brain:in Vivo andin Vitro correlations. Magnetic Resonance in Medicine, 1994, 32, 157-163.	1.9	189
164	Quantitation of proton NMR spectra of the human brain using tissue water as an internal concentration reference. NMR in Biomedicine, 1993, 6, 89-94.	1.6	283
165	In vivo magnetic resonance spectroscopy of human brain tumors. Topics in Magnetic Resonance Imaging, 1993, 5, 32-45.	0.7	46
166	Diffusion and perfusion MR in stroke. , 0, , 184-214.		0
167	Arterial spin labeling in stroke. , 0, , 215-235.		0
168	The role of diffusion- and perfusion-weighted brain imaging in neonatology. , 0, , 750-765.		0
169	Magnetic resonance spectroscopy in severe obstructive carotid artery disease. , 0, , 248-257.		0
170	Susceptibility-weighted imaging in traumatic brain injury. , 0, , 691-704.		1
171	Fundamentals of diffusion MR imaging. , 0, , 44-67.		0
172	Human white matter anatomical information revealed by diffusion tensor imaging and fiber tracking. , 0, , 68-78.		0
173	Artifacts and pitfalls in diffusion MR imaging. , 0, , 79-85.		1
174	Cerebral perfusion imaging by exogenous contrast agents. , 0, , 86-93.		0
175	Detection of regional blood flow using arterial spin labeling. , 0, , 94-112.		0
176	Imaging perfusion and blood-brain barrier permeability using T1-weighted dynamic contrast-enhanced MR imaging. , 0, , 113-128.		1
177	Susceptibility-weighted imaging. , 0, , 129-136.		0
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