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#	Paper	IF	Citations
824	Water diffusion in rat brain in vivo as detected at very large b values is multicompartmental. <b>1999</b> , 8, 98-108		7
823	Water diffusion in rat brain in vivo as detected at very large b values is multicompartmental. <b>1999</b> , 8, 98-108		37
822	Toward an in vivo neurochemical profile: quantification of 18 metabolites in short-echo-time (1)H NMR spectra of the rat brain. <b>1999</b> , 141, 104-20		423
821	Localized in vivo 1H NMR detection of neurotransmitter labeling in rat brain during infusion of [1-13C] D-glucose. <i>Magnetic Resonance in Medicine</i> , <b>1999</b> , 41, 1077-83	4.4	101
820	Field mapping without reference scan using asymmetric echo-planar techniques. <i>Magnetic Resonance in Medicine</i> , <b>2000</b> , 43, 319-23	4.4	439
819	Single-shot, three-dimensional "non-echo" localization method for in vivo NMR spectroscopy. <i>Magnetic Resonance in Medicine</i> , <b>2000</b> , 44, 387-94	4.4	62
818	Semiselective POCE NMR spectroscopy. <i>Magnetic Resonance in Medicine</i> , <b>2000</b> , 44, 395-400	4.4	14
817	Very short echo time proton MR spectroscopy of human brain with a standard transmit/receive surface coil. <i>Magnetic Resonance in Medicine</i> , <b>2000</b> , 44, 964-7	4.4	16
816	Extracellular-intracellular distribution of glucose and lactate in the rat brain assessed noninvasively by diffusion-weighted 1H nuclear magnetic resonance spectroscopy in vivo. <b>2000</b> , 20, 736-46		126
815	Non-invasive methods for studying brain energy metabolism: what they show and what it means. <b>2000</b> , 22, 418-28		79
814	Regional metabolite levels of the normal posterior fossa studied by proton chemical shift imaging. <b>2001</b> , 13, 127-33		25
813	Noninvasive measurements of [1-(13)C]glycogen concentrations and metabolism in rat brain in vivo. <b>1999</b> , 73, 1300-8		86
812	Regional metabolite levels of the normal posterior fossa studied by proton chemical shift imaging. <b>2001</b> , 13, 127-133		4
811	Metabolic changes in quinolinic acid-lesioned rat striatum detected non-invasively by in vivo (1)H NMR spectroscopy. <b>2001</b> , 66, 891-8		49
810	Relative changes of cerebral arterial and venous blood volumes during increased cerebral blood flow: implications for BOLD fMRI. <i>Magnetic Resonance in Medicine</i> , <b>2001</b> , 45, 791-800	4.4	225
809	Reliable detection of macromolecules in single-volume 1H NMR spectra of the human brain. <i>Magnetic Resonance in Medicine</i> , <b>2001</b> , 45, 948-54	4.4	43
808	In vivo 1H NMR spectroscopy of the human brain at 7 T. Magnetic Resonance in Medicine, 2001, 46, 451-	64.4	303

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806	The return of the frequency sweep: designing adiabatic pulses for contemporary NMR. <b>2001</b> , 153, 155-77	715
805	Low-power water suppression by hyperbolic secant pulses with controlled offsets and delays (WASHCODE). <b>2001</b> , 152, 168-78	17
804	In vivo detection and quantification of scalar coupled 1H NMR resonances. <b>2001</b> , 13, 32-76	49
803	In vivo measurements of brain glucose transport using the reversible Michaelis-Menten model and simultaneous measurements of cerebral blood flow changes during hypoglycemia. <b>2001</b> , 21, 653-63	122
802	The effect of insulin on in vivo cerebral glucose concentrations and rates of glucose transport/metabolism in humans. <b>2001</b> , 50, 2203-9	145
801	Proton magnetic resonance spectroscopy in the brain: report of AAPM MR Task Group #9. <b>2002</b> , 29, 2177-97	89
800	Proton T2 relaxation study of water, N-acetylaspartate, and creatine in human brain using Hahn and Carr-Purcell spin echoes at 4T and 7T. <i>Magnetic Resonance in Medicine</i> , <b>2002</b> , 47, 629-33	177
799	Direct in vivo measurement of human cerebral GABA concentration using MEGA-editing at 7 Tesla.  Magnetic Resonance in Medicine, <b>2002</b> , 47, 1009-12  4-4	120
798	Eliminating spurious lipid sidebands in 1H MRS of breast lesions. <i>Magnetic Resonance in Medicine</i> , <b>2002</b> , 48, 215-22	92
797	Monitoring cytotoxic tumour treatment response by diffusion magnetic resonance imaging and proton spectroscopy. <b>2002</b> , 15, 6-17	102
796	Metabolic and electrophysiological alterations in subtypes of temporal lobe epilepsy: a combined proton magnetic resonance spectroscopic imaging and depth electrodes study. <b>2002</b> , 43, 1197-209	36
795	In vivo NMR studies of neurodegenerative diseases in transgenic and rodent models. 2003, 28, 987-1001	36
794	PRESS-based proton single-voxel spectroscopy and spectroscopic imaging with very short echo times using asymmetric RF pulses. <b>2003</b> , 16, 144-8	12
793	High-field magnetic resonance techniques for brain research. <b>2003</b> , 13, 612-9	29
792	Effect of hypoglycemia on brain glycogen metabolism in vivo. <b>2003</b> , 72, 25-32	174
791	Quantitative proton short-echo-time LASER spectroscopy of normal human white matter and hippocampus at 4 Tesla incorporating macromolecule subtraction. <i>Magnetic Resonance in Medicine</i> , 4.4 <b>2003</b> , 49, 918-27	72
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787	Magnetic resonance measurement of tetramethylammonium diffusion in rat brain: Comparison of magnetic resonance and ionophoresis in vivo diffusion measurements. <i>Magnetic Resonance in Medicine</i> , <b>2003</b> , 50, 717-26	4.4	21
786	In vivo quantification of choline compounds in the breast with 1H MR spectroscopy. <i>Magnetic Resonance in Medicine</i> , <b>2003</b> , 50, 1134-43	4.4	300
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783	MRI/MRS of corpus callosum in patients with clinically isolated syndrome suggestive of multiple sclerosis. <b>2003</b> , 9, 554-65		47
782	Metabolite changes in BT4C rat gliomas undergoing ganciclovir-thymidine kinase gene therapy-induced programmed cell death as studied by 1H NMR spectroscopy in vivo, ex vivo, and in vitro. <b>2003</b> , 278, 45915-23		59
781	Metabolic counterpart of decreased apparent diffusion coefficient during hyperacute ischemic stroke: a brain proton magnetic resonance spectroscopic imaging study. <b>2003</b> , 34, e82-7		85
78o	Editorial commentADC and metabolites in stroke: even more confusion about diffusion?. 2003, 34, e87	7-8	13
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774	Water diffusion in a rat glioma during ganciclovir-thymidine kinase gene therapy-induced programmed cell death in vivo: correlation with cell density. <b>2004</b> , 19, 389-96		56
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771	NMR measurement of brain oxidative metabolism in monkeys using 13C-labeled glucose without a 13C radiofrequency channel. <i>Magnetic Resonance in Medicine</i> , <b>2004</b> , 52, 33-40	34
770	Highly resolved in vivo 1H NMR spectroscopy of the mouse brain at 9.4 T. <i>Magnetic Resonance in Medicine</i> , <b>2004</b> , 52, 478-84	160
769	Measurement and correction of respiration-induced B0 variations in breast 1H MRS at 4 Tesla.  Magnetic Resonance in Medicine, <b>2004</b> , 52, 1239-45	59
768	Metabolic profile of the hippocampus of Zucker Diabetic Fatty rats assessed by in vivo 1H magnetic resonance spectroscopy. <b>2004</b> , 17, 405-10	45
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764	Localized in vivo human 1H MRS at very short echo times. <i>Magnetic Resonance in Medicine</i> , <b>2004</b> , 52, 898-քան	28
763	In vivo 2D J-resolved magnetic resonance spectroscopy of rat brain with a 3-T clinical human scanner. <b>2004</b> , 22, 381-6	33
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761	A phase rotation scheme for achieving very short echo times with localized stimulated echo spectroscopy. <b>2005</b> , 23, 871-6	19
760	Insights into the acute cerebral metabolic changes associated with childhood diabetes. <b>2005</b> , 22, 648-53	37
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75 <sup>8</sup>	In vivo effect of chronic hypoxia on the neurochemical profile of the developing rat hippocampus. <b>2005</b> , 156, 202-9	60
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755	Optimized diffusion-weighted spectroscopy for measuring brain glutamate apparent diffusion coefficient on a whole-body MR system. <b>2005</b> , 18, 527-33	21
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737	1H-MRS imaging in intractable frontal lobe epilepsies characterized by depth electrode recording. <b>2005</b> , 26, 1174-83		32
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658	Feasibility of single-voxel MRS measurement of apparent diffusion coefficient of water in breast tumors. <i>Magnetic Resonance in Medicine</i> , <b>2009</b> , 61, 1232-7	4.4	4	
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471	Treatment effects in a transgenic mouse model of Alzheimer's disease: a magnetic resonance spectroscopy study after passive immunization. <b>2014</b> , 259, 94-100		13
470	High-field proton magnetic resonance spectroscopy reveals metabolic effects of normal brain aging. <b>2014</b> , 35, 1686-94		47
469	GABA in the insula - a predictor of the neural response to interoceptive awareness. <b>2014</b> , 86, 10-8		84
468	Longitudinal metabolite changes in Huntington's disease during disease onset. <b>2014</b> , 3, 377-86		19
467	The use of magnetic resonance spectroscopy as a tool for the measurement of bi-hemispheric transcranial electric stimulation effects on primary motor cortex metabolism. <b>2014</b> , e51631		7
466	Sensitivity and source of amine-proton exchange and amide-proton transfer magnetic resonance imaging in cerebral ischemia. <i>Magnetic Resonance in Medicine</i> , <b>2014</b> , 71, 118-32	4.4	57

465	Implementation of two-dimensional L-COSY at 7 Tesla: an investigation of reproducibility in human brain. <b>2014</b> , 40, 1319-27		12
464	Ultrafast localized two-dimensional magnetic resonance correlated spectroscopy via spatially encoded technique. <i>Magnetic Resonance in Medicine</i> , <b>2014</b> , 71, 903-10	4.4	5
463	ProFit revisited. <i>Magnetic Resonance in Medicine</i> , <b>2014</b> , 71, 458-68	4.4	37
462	Feasibility and reproducibility of neurochemical profile quantification in the human hippocampus at 3 T. <b>2015</b> , 28, 685-93		38
461	Single-Voxel MR Spectroscopy. <b>2015</b> , 709-720		3
460	The three glioma rat models C6, F98 and RG2 exhibit different metabolic profiles: in vivo 1H MRS and ex vivo 1H HRMAS combined with multivariate statistics. <b>2015</b> , 11, 1834-1847		7
459	Constrained image-based B0 shimming accounting for "local minimum traps" in the optimization and field inhomogeneities outside the region of interest. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 13	70 <del>18</del> 0	30
458	Minimizing lipid signal bleed in brain (1) H chemical shift imaging by post-acquisition grid shifting. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 74, 320-9	4.4	4
457	Comparison of brain gray and white matter macromolecule resonances at 3 and 7 Tesla. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 74, 607-13	4.4	45
456	Spectral-editing measurements of GABA in the human brain with and without macromolecule suppression. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 74, 1523-9	4.4	55
455	Parallel reconstruction in accelerated multivoxel MR spectroscopy. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 74, 599-606	4.4	15
454	Two-voxel spectroscopy with dynamic B0 shimming and flip angle adjustment at 7 T in the human motor cortex. <b>2015</b> , 28, 852-60		22
453	Interrelation of resting state functional connectivity, striatal GABA levels, and cognitive control processes. <b>2015</b> , 36, 4383-93		24
452	Lipid suppression for brain MRI and MRSI by means of a dedicated crusher coil. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 2062-8	4.4	34
451	Ultrashort-TE stimulated echo acquisition mode (STEAM) improves the quantification of lipids and fatty acid chain unsaturation in the human liver at 7 T. <b>2015</b> , 28, 1283-93		22
450	Single-voxel (1)H spectroscopy in the human hippocampus at 3 T using the LASER sequence: characterization of neurochemical profile and reproducibility. <b>2015</b> , 28, 1209-17		18
449	Dynamic correlations between hemodynamic, metabolic, and neuronal responses to acute whole-brain ischemia. <b>2015</b> , 28, 1357-65		10
448	Reduction of voxel bleeding in highly accelerated parallel (1) H MRSI by direct control of the spatial response function. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 469-80	4.4	25

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446	Characterization of hepatic fatty acids in mice with reduced liver fat by ultra-short echo time (1)H-MRS at 14.1 T in vivo. <b>2015</b> , 28, 1009-20	8
445	In Vivo Detection of Perinatal Brain Metabolite Changes in a Rabbit Model of Intrauterine Growth Restriction (IUGR). <b>2015</b> , 10, e0131310	14
444	An Ultra-High Field Magnetic Resonance Spectroscopy Study of Post Exercise Lactate, Glutamate and Glutamine Change in the Human Brain. <b>2015</b> , 6, 351	23
443	Region-specific cerebral metabolic alterations in streptozotocin-induced type 1 diabetic rats: an in vivo proton magnetic resonance spectroscopy study. <b>2015</b> , 35, 1738-45	13
442	Cuprizone-induced demyelination and demyelination-associated inflammation result in different proton magnetic resonance metabolite spectra. <b>2015</b> , 28, 505-13	18
441	Anterior cingulate Glutamate-Glutamine cycle metabolites are altered in euthymic bipolar I disorder. <b>2015</b> , 25, 2221-9	55
440	Human Auditory Cortex Neurochemistry Reflects the Presence and Severity of Tinnitus. <b>2015</b> , 35, 14822-8	29
439	Two-site reproducibility of cerebellar and brainstem neurochemical profiles with short-echo, single-voxel MRS at 3T. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 1718-25	77
438	Semi-LASER H MR spectroscopy at 7 Tesla in human brain: Metabolite quantification incorporating subject-specific macromolecule removal. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 74, 4-12	27
437	Effect of Carr-Purcell refocusing pulse trains on transverse relaxation times of metabolites in rat brain at 9.4 Tesla. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 13-20	17
436	Myelin vs axon abnormalities in white matter in bipolar disorder. <b>2015</b> , 40, 1243-9	23
435	Multimodal neuroimaging in humans at 9.4 T: a technological breakthrough towards an advanced metabolic imaging scanner. <b>2015</b> , 220, 1867-84	13
434	Neurochemical and BOLD responses during neuronal activation measured in the human visual cortex at 7 Tesla. <b>2015</b> , 35, 601-10	110
433	In vivo proton magnetic resonance spectroscopic imaging of the healthy human brain at 9.4 T: initial experience. <b>2015</b> , 28, 239-49	9
432	Neuroprotective efficacy of decompressive craniectomy after controlled cortical impact injury in rats: An MRI study. <b>2015</b> , 1622, 339-49	6
431	In vivo proton magnetic resonance spectroscopy of liver metabolites in non-alcoholic fatty liver disease in rats: T2 relaxation times in methylene protons. <b>2015</b> , 191, 1-7	4
430	Magnetic resonance spectroscopy of the brain: a review of physical principles and technical methods. <b>2015</b> , 26, 609-32	67

429	Metabolic changes assessed by MRS accurately reflect brain function during drug-induced epilepsy in mice in contrast to fMRI-based hemodynamic readouts. <b>2015</b> , 120, 55-63	12
428	Magnetic resonance spectroscopy and imaging on fresh human brain tumor biopsies at microscopic resolution. <b>2015</b> , 407, 6771-80	2
427	Assessment of metabolic fluxes in the mouse brain in vivo using 1H-[13C] NMR spectroscopy at 14.1 Tesla. <b>2015</b> , 35, 759-65	21
426	Phlebotomy-induced anemia alters hippocampal neurochemistry in neonatal mice. <b>2015</b> , 77, 765-71	11
425	Tracking metabolite dynamics in plants via indirect 13C chemical shift imaging with an interleaved variable density acquisition weighted sampling pattern. <b>2015</b> , 28, 127-34	1
424	Magnetic resonance spectroscopy for detection of choline kinase inhibition in the treatment of brain tumors. <b>2015</b> , 14, 899-908	23
423	Longitudinal monitoring of metabolic alterations in cuprizone mouse model of multiple sclerosis using 1H-magnetic resonance spectroscopy. <b>2015</b> , 114, 128-35	29
422	Comparison of two programs for quantification of 1H MR spectra of rat brain using a vascular dementia model. <b>2015</b> , 8, 11-16	
421	In Vivo Longitudinal (1)H MRS Study of Transgenic Mouse Models of Prion Disease in the Hippocampus and Cerebellum at 14.1 T. <b>2015</b> , 40, 2639-46	6
420	Accelerating phase-encoded proton MR spectroscopic imaging by compressed sensing. <b>2015</b> , 41, 487-95	23
419	Design of a fused phantom for quantitative evaluation of brain metabolites and enhanced quality assurance testing for magnetic resonance imaging and spectroscopy. <b>2015</b> , 255, 75-84	7
418	Metabolic imaging of pancreatic ductal adenocarcinoma detects altered choline metabolism. <b>2015</b> , 21, 386-95	30
417	Posterior cingulate Daminobutyric acid and glutamate/glutamine are reduced in amnestic mild cognitive impairment and are unrelated to amyloid deposition and apolipoprotein E genotype. <b>2015</b> , 36, 53-9	46
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414	Advanced magnetic resonance techniques for evaluating white matter. <b>2015</b> , 02, 003-015	
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412	Stretched Gelatin Phantom for Detection of Residual Dipolar Couplings in MR Spectra and Data Analysis of Carnosine. <b>2016</b> , 2016, 1-7	

411	Non-invasive detection of 2-hydroxyglutarate in IDH-mutated gliomas using two-dimensional localized correlation spectroscopy (2D L-COSY) at 7 Tesla. <b>2016</b> , 14, 274	28
410	HERMES: Hadamard encoding and reconstruction of MEGA-edited spectroscopy. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 76, 11-9	39
409	Proton observed phosphorus editing (POPE) for in vivo detection of phospholipid metabolites. <b>2016</b> , 29, 1222-30	8
408	Removal of nuisance signals from limited and sparse 1H MRSI data using a union-of-subspaces model. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 75, 488-97	33
407	A semiadiabatic spectral-spatial spectroscopic imaging (SASSI) sequence for improved high-field MR spectroscopic imaging. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 76, 1071-82	7
406	Volumetric navigated MEGA-SPECIAL for real-time motion and shim corrected GABA editing. <b>2016</b> , 29, 248-55	17
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397	The effect of water suppression on the hepatic lipid quantification, as assessed by the LCModel, in a preclinical and clinical scenario. <b>2016</b> , 29, 29-37	1
396	In vivo 🖟 aminobutyric acid measurement in rats with spectral editing at 4.7T. <b>2016</b> , 43, 1308-12	10
395	B0-adjusted and sensitivity-encoded spectral localization by imaging (BASE-SLIM) in the human brain in vivo. <b>2016</b> , 134, 355-364	9
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390	Methodology of Clinical MRS: Technical Challenges and Solutions. <b>2016</b> , 31-54	
389	Magnetic Resonance Spectroscopy of Degenerative Brain Diseases. 2016,	0
388	Simultaneous edited MRS of GABA and glutathione. <b>2016</b> , 142, 576-582	48
387	Spectral Editing. <b>2016</b> , 1147-1156	2
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385	Early detection of human glioma sphere xenografts in mouse brain using diffusion MRI at 14.1 T. <b>2016</b> , 29, 1577-1589	7
384	Quantitative in vivo neurochemical profiling in humans: where are we now?. <b>2016</b> , 45, 1339-1350	11
383	Methodology of MRS in Animal Models: Technical Challenges and Solutions. <b>2016</b> , 13-30	2
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381	Prefrontal inositol levels and implicit decision-making in healthy individuals and depressed patients. <b>2016</b> , 26, 1255-63	9
380	3D spatially encoded and accelerated TE-averaged echo planar spectroscopic imaging in healthy human brain. <b>2016</b> , 29, 329-39	11
379	Striatal magnetic resonance spectroscopy abnormalities in young adult SAPAP3 knockout mice. <b>2016</b> , 1, 39-48	9
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374	Mechanisms of SNR and line shape improvement by B correction in overdiscrete MRSI reconstruction. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 77, 44-56	. 1	3
373	Increased pregenual anterior cingulate glucose and lactate concentrations in major depressive disorder. <b>2017</b> , 22, 113-119	2	9
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371	Echo time optimization for J-difference editing of glutathione at 3T. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 77, 498-504	. 2	4
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362	Elucidation of the downfield spectrum of human brain at 7 T using multiple inversion recovery delays and echo times. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 78, 11-19	. 1	O
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354	Fast and efficient free induction decay MR spectroscopic imaging of the human brain at 9.4 Tesla. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 78, 1281-1295	4.4	12
353	Detection of metabolite changes in response to a varying visual stimulation paradigm using short-TE H MRS at 7 T. <b>2017</b> , 30, e3672		24
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351	Parameterization of spectral baseline directly from short echo time full spectra in H-MRS. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 78, 836-847	4.4	10
350	MRS studies of neuroenergetics and glutamate/glutamine exchange in rats: Extensions to hyperammonemic models. <b>2017</b> , 529, 245-269		15
349	Investigation of the contribution of total creatine to the CEST Z-spectrum of brain using a knockout mouse model. <b>2017</b> , 30, e3834		30
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346	Simultaneous measurement of Aspartate, NAA, and NAAG using HERMES spectral editing at 3 Tesla. <b>2017</b> , 155, 587-593		16
345	Prior-knowledge Fitting of Accelerated Five-dimensional Echo Planar J-resolved Spectroscopic Imaging: Effect of Nonlinear Reconstruction on Quantitation. <b>2017</b> , 7, 6262		2
344	Dual-volume excitation and parallel reconstruction for J-difference-edited MR spectroscopy. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 77, 16-22	4.4	10
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340	A practical guide to in vivo proton magnetic resonance spectroscopy at high magnetic fields. <b>2017</b> , 529, 30-39		18

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338	Quantum-mechanical simulations for in vivo MR spectroscopy: Principles and possibilities demonstrated with the program NMRScopeB. <b>2017</b> , 529, 79-97	11
337	Measurement of Hypothalamic Glucose Under Euglycemia and Hyperglycemia by MRI at 3T. <b>2017</b> , 45, 681-691	6
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333	The Application of Human Spinal Cord Magnetic Resonance Spectroscopy to Clinical Studies: A Review. <b>2017</b> , 38, 153-162	11
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331	Ultra high-field (7tesla) magnetic resonance spectroscopy in Amyotrophic Lateral Sclerosis. <b>2017</b> , 12, e0177680	33
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329	Quantitative magnetic resonance spectroscopy at 3T based on the principle of reciprocity. <b>2018</b> , 31, e3875	4
328	Quantification of glutathione transverse relaxation time T using echo time extension with variable refocusing selectivity and symmetry in the human brain at 7 Tesla. <b>2018</b> , 290, 1-11	11
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323	Minimum echo time PRESS-based proton observed carbon edited (POCE) MRS in rat brain using simultaneous editing and localization pulses. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 80, 1279-1288	4 1
322	Multiparametric (mp) MRI of prostate cancer. <b>2018</b> , 105, 23-40	17

321	Neural changes associated with cerebellar tDCS studied using MR spectroscopy. <b>2018</b> , 236, 997-1006		16
320	In Vivo Heteronuclear Magnetic Resonance Spectroscopy. <b>2018</b> , 1718, 169-187		7
319	Estimation of an area between the baseline and the effect curve parameter for lactate levels in the hippocampi of neonatal rats during anesthesia. <b>2018</b> , 150, 327-332		2
318	Highly specific determination of IDH status using edited in vivo magnetic resonance spectroscopy. <b>2018</b> , 20, 907-916		48
317	Increased Myo-Inositol in Primary Motor Cortex of Contact Sports Athletes without a History of Concussion. <b>2018</b> , 35, 953-962		6
316	Postmortem H-MRS-Detection of Ketone Bodies and Glucose in Diabetic Ketoacidosis. <b>2018</b> , 132, 593-598	3	12
315	Tailored spiral in-out spectral-spatial water suppression pulses for magnetic resonance spectroscopic imaging. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 31-40	·-4	10
314	Neurochemical responses to chromatic and achromatic stimuli in the human visual cortex. <b>2018</b> , 38, 347-3	359	26
313	Improved localization, spectral quality, and repeatability with advanced MRS methodology in the clinical setting. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 1241-1250	·-4	19
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311	Measurement of lipid composition in human skeletal muscle and adipose tissue with H-MRS homonuclear spectral editing. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 619-627	·4	5
310	Transverse relaxation time constants of the five major metabolites in human brain measured in vivo using LASER and PRESS at 3 T. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 1260-1265	·4	7
309	Proton and multinuclear magnetic resonance spectroscopy in the human brain at ultra-high field strength: A review. <b>2018</b> , 168, 181-198		45
308	A minimum-phase Shinnar-Le Roux spectral-spatial excitation RF pulse for simultaneous water and lipid suppression in H-MRSI of body extremities. <b>2018</b> , 45, 18-25		
307	Cannabis use in early psychosis is associated with reduced glutamate levels in the prefrontal cortex. <b>2018</b> , 235, 13-22		22
306	Increased hepatic fatty acid polyunsaturation precedes ectopic lipid deposition in the liver in adaptation to high-fat diets in mice. <b>2018</b> , 31, 341-354		8
305	Apparent diffusion coefficients of the five major metabolites measured in the human brain in vivo at 3T. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 2896-2901	ŀ·4	10
304	NAD-biosynthetic enzyme NMNAT1 reduces early behavioral impairment in the htau mouse model of tauopathy. <b>2018</b> , 339, 140-152		13

303	Brain amyloid burden and cerebrovascular disease are synergistically associated with neurometabolism in cognitively unimpaired older adults. <b>2018</b> , 63, 152-161	13
302	Single Volume Localization and Water Suppression. <b>2018</b> , 293-334	O
301	Ascites Volumes and the Ovarian Cancer Microenvironment. <b>2018</b> , 8, 595	17
300	Characterization of Brain Metabolism by Nuclear Magnetic Resonance. <b>2019</b> , 20, 216-230	8
299	Macromolecule-suppressed GABA measurements correlate more strongly with behavior than macromolecule-contaminated GABA+ measurements. <b>2018</b> , 1701, 204-211	14
298	Prospective frequency correction using outer volume suppression-localized navigator for MR spectroscopy and spectroscopic imaging. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 80, 2366-2373	7
297	Proton Magnetic Resonance Spectroscopy (H1-MRS) Study of the Ketogenic Diet on Repetitive Mild Traumatic Brain Injury in Adolescent Rats and Its Effect on Neurodegeneration. <b>2018</b> , 120, e1193-e1202	11
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295	In-vivo evaluation of neuronal and glial changes in amyotrophic lateral sclerosis with diffusion tensor spectroscopy. <b>2018</b> , 20, 993-1000	11
294	Carbonic anhydrase IX is a pH-stat that sets an acidic tumour extracellular pH in vivo. <b>2018</b> , 119, 622-630	69
293	Optimized in vivo brain glutamate measurement using long-echo-time semi-LASER at 7 T. <b>2018</b> , 31, e4002	14
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