

Steve R Williams

List of Publications by Year in descending order

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127
papers

8,999
citations

46918

47
h-index

42291

92
g-index

131
all docs

131
docs citations

131
times ranked

9798
citing authors

#	ARTICLE	IF	CITATIONS
1	Long reach of the NAAG family tree. <i>Journal of Neurochemistry</i> , 2021, 156, 13-15.	2.1	0
2	Prospective study of change in liver function and fat in patients with colorectal liver metastases undergoing preoperative chemotherapy: protocol for the CLIFF Study. <i>BMJ Open</i> , 2020, 10, e027630.	0.8	6
3	<i>In vivo</i> molecular imaging of neuroinflammation in Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2019, 149, 438-451.	2.1	70
4	Preliminary evidence for neural responsiveness to infants in mothers with schizophrenia and the implications for healthy parenting. <i>Schizophrenia Research</i> , 2018, 197, 451-457.	1.1	2
5	Development of MR quantified pancreatic fat deposition as a cancer risk biomarker. <i>Pancreatology</i> , 2018, 18, 429-437.	0.5	11
6	Longitudinal investigation of neuroinflammation and metabolite profiles in the <i>APP^{swe}-PS1^{e9}</i> transgenic mouse model of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2018, 144, 318-335.	2.1	26
7	Quantification of GABA, glutamate and glutamine in a single measurement at 3T using GABA-edited MEGA-PRESS. <i>NMR in Biomedicine</i> , 2018, 31, e3847.	1.6	58
8	Glutathione in the human brain: Review of its roles and measurement by magnetic resonance spectroscopy. <i>Analytical Biochemistry</i> , 2017, 529, 127-143.	1.1	126
9	GABA concentrations in the anterior temporal lobe predict human semantic processing. <i>Scientific Reports</i> , 2017, 7, 15748.	1.6	25
10	Quantification of glutathione in the human brain by ³ T MR spectroscopy at 3 Tesla: Comparison of PRESS and MEGA-PRESS. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1257-1266.	1.9	44
11	Liver Fat Measured by MR Spectroscopy: Estimate of Imprecision and Relationship with Serum Glycerol, Ceruloplasmin and Non-Esterified Fatty Acids. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1089.	1.8	4
12	Comparing the actions of lanicemine and ketamine in depression: key role of the anterior cingulate. <i>European Neuropsychopharmacology</i> , 2016, 26, 994-1003.	0.3	100
13	Evaluating the effectiveness of transferrin receptor 1 (<i>TfR1</i>) as a magnetic resonance reporter gene. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 236-244.	0.4	25
14	Kurtosis imaging reveals microstructural changes of late-stage α -synuclein accumulation in a mouse model of Parkinson's disease. <i>Journal of Neurochemistry</i> , 2016, 136, 1117-1118.	2.1	0
15	Multivariate and repeated measures (MRM): A new toolbox for dependent and multimodal group-level neuroimaging data. <i>NeuroImage</i> , 2016, 132, 373-389.	2.1	61
16	Overexpression of the MRI Reporter Genes Ferritin and Transferrin Receptor Affect Iron Homeostasis and Produce Limited Contrast in Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2015, 16, 15481-15496.	1.8	46
17	Tailoring the surface charge of dextran-based polymer coated SPIONs for modulated stem cell uptake and MRI contrast. <i>Biomaterials Science</i> , 2015, 3, 608-616.	2.6	44
18	fMRI and MRS measures of neuroplasticity in the pharyngeal motor cortex. <i>NeuroImage</i> , 2015, 117, 1-10.	2.1	22

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19	Systemic Inflammation Impairs Tissue Reperfusion Through Endothelin-Dependent Mechanisms in Cerebral Ischemia. <i>Stroke</i> , 2014, 45, 3412-3419.	1.0	42
20	Assessing the Efficacy of Nano- and Micro-Sized Magnetic Particles as Contrast Agents for MRI Cell Tracking. <i>PLoS ONE</i> , 2014, 9, e100259.	1.1	56
21	The Neural Basis of Maternal Bonding. <i>PLoS ONE</i> , 2014, 9, e88436.	1.1	50
22	Magnetic resonance spectroscopy in vivo of neurochemicals in a transgenic model of Alzheimer's disease: A longitudinal study of metabolites, relaxation time, and behavioral analysis in TASTPM and wild-type mice. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 944-955.	1.9	20
23	Central functional response to the novel peptide cannabinoid, hemopressin. <i>Neuropharmacology</i> , 2013, 71, 27-36.	2.0	35
24	High-precision calibration of MRS thermometry using validated temperature standards: effects of ionic strength and protein content on the calibration. <i>NMR in Biomedicine</i> , 2013, 26, 213-223.	1.6	15
25	Molecular imaging and its applications: visualization beyond imagination. <i>Journal of Neurochemistry</i> , 2013, 127, 575-577.	2.1	0
26	State-dependent changes in hippocampal grey matter in depression. <i>Molecular Psychiatry</i> , 2013, 18, 1265-1272.	4.1	257
27	Increased Amygdala Responses to Sad But Not Fearful Faces in Major Depression: Relation to Mood State and Pharmacological Treatment. <i>American Journal of Psychiatry</i> , 2012, 169, 841-850.	4.0	163
28	Pre-clinical assessment of anti-vascular drugs using quantitative dynamic contrast-enhanced MRI. <i>International Journal of Medical Engineering and Informatics</i> , 2012, 4, 362.	0.2	1
29	Functional neuroimaging demonstrates that ghrelin inhibits the central nervous system response to ingested lipid. <i>Gut</i> , 2012, 61, 1543-1551.	6.1	51
30	Poly[2-(methacryloyloxy)ethylphosphorylcholine]-coated iron oxide nanoparticles: synthesis, colloidal stability and evaluation for stem cell labelling. <i>Chemical Communications</i> , 2012, 48, 9373.	2.2	18
31	Reversed Frontotemporal Connectivity During Emotional Face Processing in Remitted Depression. <i>Biological Psychiatry</i> , 2012, 72, 604-611.	0.7	55
32	Fe ₃ O ₄ -PEI-RITC Magnetic Nanoparticles with Imaging and Gene Transfer Capability: Development of a Tool for Neural Cell Transplantation Therapies. <i>Pharmaceutical Research</i> , 2012, 29, 1328-1343.	1.7	52
33	The neuro/PsyGRID calibration experiment. <i>Human Brain Mapping</i> , 2012, 33, 373-386.	1.9	30
34	Effects of Alzheimer's disease transgenes on neurochemical expression in the mouse brain determined by ¹ H MRS <i>in vitro</i> . <i>NMR in Biomedicine</i> , 2012, 25, 52-58.	1.6	19
35	Differential Effects of Anaesthesia on the pHMRI Response to Acute Ketamine Challenge. <i>British Journal of Medicine and Medical Research</i> , 2012, 2, 373-385.	0.2	34
36	Dissecting the Neuroanatomy of Human Swallowing Related Behaviours Non-Invasively Using Diffusion Weighted Magnetic Resonance Imaging. <i>Gastroenterology</i> , 2011, 140, S-363.	0.6	1

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37	The CREB1-BDNF-NTRK2 Pathway in Depression: Multiple Gene-Cognition-Environment Interactions. <i>Biological Psychiatry</i> , 2011, 69, 762-771.	0.7	142
38	Mirtazapine antagonises the subjective, hormonal and neuronal effects of m-chlorophenylpiperazine (mCPP) infusion: A pharmacological-challenge fMRI (phMRI) study. <i>NeuroImage</i> , 2011, 58, 497-507.	2.1	13
39	Multifunctional Fe ₃ O ₄ nanoparticles for targeted bi-modal imaging of pancreatic cancer. <i>Journal of Materials Chemistry</i> , 2011, 21, 12650.	6.7	62
40	Analysis of connectivity in the resting state of the default mode of brain function: a major role for the cerebellum?. <i>International Journal of Modelling, Identification and Control</i> , 2010, 9, 236.	0.2	1
41	Neuronal correlates and serotonergic modulation of behavioural inhibition and reward in healthy and antisocial individuals. <i>Journal of Psychiatric Research</i> , 2010, 44, 123-131.	1.5	58
42	Power calculations for multicenter imaging studies controlled by the false discovery rate. <i>Human Brain Mapping</i> , 2010, 31, 1183-1195.	1.9	43
43	Functional magnetic resonance imaging and c-Fos mapping in rats following a glucoprivic dose of 2-deoxyglucose. <i>Journal of Neurochemistry</i> , 2010, 113, 1123-1132.	2.1	22
44	A comparison of permutation and parametric testing for between group effective connectivity differences using DCM. <i>NeuroImage</i> , 2010, 50, 509-515.	2.1	12
45	A Single-Case fMRI Study EMDR Treatment of a Patient With Posttraumatic Stress Disorder. <i>Journal of EMDR Practice and Research</i> , 2009, 3, 10-23.	0.2	17
46	A voxel-based morphometric MRI study in men with borderline personality disorder: preliminary findings. <i>Criminal Behaviour and Mental Health</i> , 2009, 19, 64-72.	0.4	40
47	Central cannabinoid signaling mediating food intake: a pharmacological-challenge magnetic resonance imaging and functional histology study in rat. <i>Neuroscience</i> , 2009, 163, 1192-1200.	1.1	25
48	A Magnetic Resonance Spectroscopy Study of Brain Glutamate in a Model of Plasticity in Human Pharyngeal Motor Cortex. <i>Gastroenterology</i> , 2009, 136, 417-424.	0.6	34
49	Quantitation of magnetic resonance spectroscopy signals: the jMRUI software package. <i>Measurement Science and Technology</i> , 2009, 20, 104035.	1.4	377
50	Modulation of Activity in Swallowing Motor Cortex Following Esophageal Acidification: A Functional Magnetic Resonance Imaging Study. <i>Dysphagia</i> , 2008, 23, 146-154.	1.0	14
51	5-HT _{2C} antagonism blocks blood oxygen level-dependent pharmacological challenge magnetic resonance imaging signal in rat brain areas related to feeding. <i>European Journal of Neuroscience</i> , 2008, 27, 457-465.	1.2	28
52	Assessing human 5-HT function in vivo with pharmacofMRI. <i>Neuropharmacology</i> , 2008, 55, 1029-1037.	2.0	75
53	Glutamate and the Neural Basis of the Subjective Effects of Ketamine. <i>Archives of General Psychiatry</i> , 2008, 65, 154.	13.8	298
54	Citalopram modulation of neuronal responses to aversive face emotions: a functional MRI study. <i>NeuroReport</i> , 2007, 18, 1351-1355.	0.6	118

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55	Volumetric magnetic resonance imaging of dorsal root ganglia for the objective quantitative assessment of neuron death after peripheral nerve injury. <i>Experimental Neurology</i> , 2007, 203, 22-33.	2.0	34
56	Craniofacial growth in fetal <i>Tarsius bancanus</i> : brains, eyes and nasal septa. <i>Journal of Anatomy</i> , 2007, 210, 703-722.	0.9	39
57	Functional magnetic resonance imaging and c-Fos mapping in rats following an anorectic dose of m-chlorophenylpiperazine. <i>NeuroImage</i> , 2006, 31, 1228-1237.	2.1	70
58	Robust quantification of short echo time ¹ H magnetic resonance spectra using the Pad [∞] approximant. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 762-771.	1.9	14
59	The assessment of antiangiogenic and antivascular therapies in early-stage clinical trials using magnetic resonance imaging: issues and recommendations. <i>British Journal of Cancer</i> , 2005, 92, 1599-1610.	2.9	487
60	Is anoxic depolarisation associated with an ADC threshold? A Markov chain Monte Carlo analysis. <i>NMR in Biomedicine</i> , 2005, 18, 587-594.	1.6	2
61	Neuronal effects of acute citalopram detected by pharmacMRI. <i>Psychopharmacology</i> , 2005, 180, 680-686.	1.5	121
62	The Effect of Citalopram Pretreatment on Neuronal Responses to Neuropsychological Tasks in Normal Volunteers: An fMRI Study. <i>Neuropsychopharmacology</i> , 2005, 30, 1724-1734.	2.8	250
63	Development of vigabatrin-induced lesions in the rat brain studied by magnetic resonance imaging, histology, and immunocytochemistry. <i>Synapse</i> , 2004, 53, 36-43.	0.6	32
64	Heart energy metabolism after intestinal ischaemia and reperfusion. <i>Journal of Pediatric Surgery</i> , 2004, 39, 179-183.	0.8	25
65	Temporal Relation between the ADC and DC Potential Responses to Transient Focal Ischemia in the Rat: A Markov Chain Monte Carlo Simulation Analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 677-688.	2.4	6
66	5-HT _{2C} receptor activation by m-chlorophenylpiperazine detected in humans with fMRI. <i>NeuroReport</i> , 2002, 13, 1547-1551.	0.6	78
67	Driving Plasticity in Human Adult Motor Cortex Is Associated with Improved Motor Function after Brain Injury. <i>Neuron</i> , 2002, 34, 831-840.	3.8	369
68	In vivo GABA ⁺ measurement at 1.5T using a PRESS-localized double quantum filter. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 233-241.	1.9	41
69	A comparison of cell and tissue extraction techniques using high-resolution ¹ H-NMR spectroscopy. <i>NMR in Biomedicine</i> , 2002, 15, 37-44.	1.6	278
70	Proton Nuclear Magnetic Resonance Spectroscopy of Primary Cells Derived from Nervous Tissue. <i>Journal of Neurochemistry</i> , 2002, 66, 1254-1263.	2.1	30
71	MRI measurement of blood-brain barrier permeability following spontaneous reperfusion in the starch microsphere model of ischemia. <i>Magnetic Resonance Imaging</i> , 2002, 20, 221-230.	1.0	44
72	Cerebrovascular Reactivity Following Focal Brain Ischemia in the Rat: A Functional Magnetic Resonance Imaging Study. <i>NeuroImage</i> , 2001, 13, 339-350.	2.1	15

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73	Moderate hypothermia ameliorates liver energy failure after intestinal ischaemia-reperfusion in anaesthetised rats. <i>Journal of Pediatric Surgery</i> , 2001, 36, 269-275.	0.8	26
74	Apparent diffusion coefficient and MR relaxation during osmotic manipulation in isolated turtle cerebellum. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 427-432.	1.9	37
75	Acute changes in MRI diffusion, perfusion, T1, and T2 in a rat model of oligemia produced by partial occlusion of the middle cerebral artery. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 706-712.	1.9	42
76	The Relationship between the Apparent Diffusion Coefficient Measured by Magnetic Resonance Imaging, Anoxic Depolarization, and Glutamate Efflux during Experimental Cerebral Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 28-36.	2.4	54
77	Hypercarbia and Mild Hypothermia, Only When Not Combined, Improve Postischemic Bioenergetic Recovery in Neonatal Rat Brain Slices. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 612-619.	2.4	7
78	Intestinal metabolism after ischemia-reperfusion. <i>Journal of Pediatric Surgery</i> , 2000, 35, 759-764.	0.8	23
79	Cerebral amino acids studied by nuclear magnetic resonance spectroscopy in vivo. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 1999, 34, 301-326.	3.9	20
80	The relationship between magnetic resonance diffusion imaging and autoradiographic markers of cerebral blood flow and hypoxia in an animal stroke model. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 706-714.	1.9	20
81	Early Postischemic Dantrolene-Induced Amelioration of Poly(ADP-Ribose) Polymerase-Related Bioenergetic Failure in Neonatal Rat Brain Slices. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998, 18, 1346-1356.	2.4	31
82	Metabolic studies of human primitive neuroectodermal tumour cells by proton nuclear magnetic resonance spectroscopy. <i>British Journal of Cancer</i> , 1997, 75, 1007-1013.	2.9	8
83	Autoradiographic imaging of cerebral ischaemia using a combination of blood flow and hypoxic markers in an animal model. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1997, 24, 16-20.	2.2	13
84	Effects of diffusion anisotropy on lesion delineation in a rat model of cerebral ischemia. <i>Magnetic Resonance in Medicine</i> , 1997, 38, 662-668.	1.9	65
85	Proton Nuclear Magnetic Resonance Spectroscopy of Lactate Production in Isolated Rat Liver during Cold Preservation. <i>Cryobiology</i> , 1996, 33, 271-275.	0.3	7
86	Regional and developmental variations in metabolite concentration in the rat brain and eye: A study using ¹ H NMR spectroscopy and high performance liquid chromatography. <i>Neurochemical Research</i> , 1996, 21, 1065-1074.	1.6	46
87	Absolute Quantification of Phospholipid Metabolites in Brain-Tissue Extracts by ¹ H NMR Spectroscopy. <i>Journal of Magnetic Resonance Series B</i> , 1996, 113, 184-189.	1.6	19
88	Bioenergetic Recovery following Ischemia in Brain Slices Studied by ³¹ P-NMR Spectroscopy: Differential Age Effect of Depolarization Mediated by Endogenous Nitric Oxide. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1996, 16, 125-133.	2.4	16
89	Characteristic metabolic profiles revealed by ¹ H NMR spectroscopy for three types of human brain and nervous system tumours. <i>NMR in Biomedicine</i> , 1995, 8, 253-264.	1.6	72
90	From rodent glial precursor cell to human glial neoplasia in the oligodendrocyte-type-2-astrocyte lineage. <i>Glia</i> , 1995, 15, 222-230.	2.5	55

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91	Quality assessment in in vivo NMR spectroscopy: VI. Multicentre quantification of MRS test signals. <i>Magnetic Resonance Imaging</i> , 1995, 13, 169-176.	1.0	24
92	High Resolution Proton NMR Spectroscopy of Multiple Sclerosis Lesions. <i>Journal of Neurochemistry</i> , 1995, 64, 742-748.	2.1	95
93	Vigabatrin-induced lesions in the rat brain demonstrated by quantitative magnetic resonance imaging. <i>Epilepsy Research</i> , 1994, 18, 57-66.	0.8	51
94	q-Space imaging of the brain. <i>Magnetic Resonance in Medicine</i> , 1994, 32, 707-713.	1.9	114
95	Early changes in cerebral sodium distribution following ischaemia monitored by ²³ Na magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 1994, 12, 895-900.	1.0	7
96	Magnetic Resonance Imaging of Propagating Waves of Spreading Depression in the Anaesthetised Rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994, 14, 7-11.	2.4	71
97	Nuclear Magnetic Resonance Detection of Increased Cortical GABA in Vigabatrin-Treated Rats In Vivo. <i>Epilepsia</i> , 1994, 35, 431-436.	2.6	37
98	Controllable graded cerebral ischaemia in the gerbil: Studies of cerebral blood flow and energy metabolism by hydrogen clearance and ³¹ P NMR spectroscopy. <i>NMR in Biomedicine</i> , 1993, 6, 181-186.	1.6	49
99	Quantitative analysis of ¹ H NMR detected proteins in the rat cerebral cortex in vivo and in vitro. <i>NMR in Biomedicine</i> , 1993, 6, 242-247.	1.6	38
100	Applications of magnetic resonance spectroscopy and diffusion-weighted imaging to the study of brain biochemistry and pathology. <i>Trends in Neurosciences</i> , 1993, 16, 88-95.	4.2	42
101	Proton nuclear magnetic resonance spectroscopy unambiguously identifies different neural cell types. <i>Journal of Neuroscience</i> , 1993, 13, 981-989.	1.7	1,015
102	T2- and diffusion-weighted magnetic resonance imaging of a focal ischemic lesion in rat brain. <i>Stroke</i> , 1992, 23, 576-582.	1.0	91
103	Diffusion-weighted imaging studies of cerebral ischemia in gerbils. Potential relevance to energy failure. <i>Stroke</i> , 1992, 23, 1602-1612.	1.0	318
104	Specific Expression of N-Acetylaspartate in Neurons, Oligodendrocyte-Type-2 Astrocyte Progenitors, and Immature Oligodendrocytes In Vitro. <i>Journal of Neurochemistry</i> , 1992, 59, 55-61.	2.1	511
105	Detection of Mobile Proteins by Proton Nuclear Magnetic Resonance Spectroscopy in the Guinea Pig Brain Ex Vivo and Their Partial Purification. <i>Journal of Neurochemistry</i> , 1992, 58, 967-974.	2.1	62
106	Perfusion and diffusion MR imaging. <i>Magnetic Resonance in Medicine</i> , 1992, 24, 288-301.	1.9	41
107	Effects of ammonium on energy metabolism and intracellular pH in guinea pig cerebral cortex studied by ³¹ P and ¹ H nuclear magnetic resonance spectroscopy. <i>Neurochemistry International</i> , 1991, 19, 495-504.	1.9	10
108	Nondestructive Detection of Glutamate by ¹ H Nuclear Magnetic Resonance Spectroscopy in Cortical Brain Slices from the Guinea Pig: Evidence for Changes in Detectability During Severe Anoxic Insults. <i>Journal of Neurochemistry</i> , 1991, 57, 1136-1144.	2.1	61

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109	Approaches to editing, assignment and interpretation of proton spectra. <i>NMR in Biomedicine</i> , 1991, 4, 85-89.	1.6	22
110	Diffusion-weighted imaging of kainic acid lesions in the rat brain. <i>Magnetic Resonance in Medicine</i> , 1991, 20, 158-164.	1.9	30
111	Cerebral energy metabolism and intracellular pH during severe hypoxia and recovery: A study using ^1H , ^{31}P , and ^1H [^{13}C] nuclear magnetic resonance spectroscopy in the guinea pig cerebral cortex in vitro. <i>Journal of Neuroscience Research</i> , 1990, 26, 356-369.	1.3	44
112	Identification of tumor hemorrhage in an animal model using spin echoes and gradient echoes. <i>Magnetic Resonance in Medicine</i> , 1990, 15, 121-127.	1.9	16
113	Phosphodiesterases in the Liver: The Effect of Field Strength on the ^{31}P Signal. <i>Magnetic Resonance in Medicine</i> , 1989, 12, 145-150.	1.9	79
114	Observation of Cerebral Metabolites in an Animal Model of Acute Liver Failure In Vivo: ^1H and ^{31}P Nuclear Magnetic Resonance Study. <i>Journal of Neurochemistry</i> , 1989, 53, 102-110.	2.1	110
115	Ammonia causes a drop in intracellular pH in metabolizing cortical brain slices. A [^{31}P]- and [^1H] nuclear magnetic resonance study. <i>Neuroscience</i> , 1989, 33, 185-192.	1.1	20
116	^{31}P NUCLEAR MAGNETIC RESONANCE OF RAT PANCREATIC GRAFTS ¹ . <i>Transplantation</i> , 1989, 47, 779-783.	0.5	9
117	Quantitative estimation of lactate in the brain by ^1H NMR. <i>Magnetic Resonance in Medicine</i> , 1988, 7, 425-431.	1.9	90
118	Acute Cerebral Ischaemia: Concurrent Changes in Cerebral Blood Flow, Energy Metabolites, pH, and Lactate Measured with Hydrogen Clearance and ^{31}P and ^1H Nuclear Magnetic Resonance Spectroscopy. III. Changes following Ischaemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1988, 8, 816-821.	2.4	105
119	Biotransformations of fluoroaromatic compounds. <i>Journal of Fluorine Chemistry</i> , 1987, 37, 299-326.	0.9	29
120	Spectral resolution in clinical magnetic resonance spectroscopy. <i>Magnetic Resonance in Medicine</i> , 1987, 5, 186-190.	1.9	12
121	Acute Cerebral Ischaemia: Concurrent Changes in Cerebral Blood Flow, Energy Metabolites, pH, and Lactate Measured with Hydrogen Clearance and ^{31}P and ^1H Nuclear Magnetic Resonance Spectroscopy. I. Methodology. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1987, 7, 199-206.	2.4	80
122	Acute Cerebral Ischaemia: Concurrent Changes in Cerebral Blood Flow, Energy Metabolites, pH, and Lactate Measured with Hydrogen Clearance and ^{31}P and ^1H Nuclear Magnetic Resonance Spectroscopy. II. Changes during Ischaemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1987, 7, 394-402.	2.4	140
123	Spin-echo and 2-dimensional ^1H nuclear magnetic resonance studies on urinary metabolites from patients with 2-methylacetyl CoA thiolase deficiency. <i>Clinica Chimica Acta</i> , 1986, 159, 153-161.	0.5	14
124	3-Hydroxy-3-methylglutaryl-CoA lyase deficiency studied using 2-dimensional proton nuclear magnetic resonance spectroscopy. <i>FEBS Letters</i> , 1986, 203, 49-53.	1.3	27
125	Buffering capacity of muscle determined by ^1H and ^{31}P nuclear magnetic resonance spectroscopy. <i>Biochemical Society Transactions</i> , 1986, 14, 1267-1268.	1.6	1
126	Neurometabolic effects of an inborn error of amino acid metabolism demonstrated in vivo by ^1H NMR. <i>Magnetic Resonance in Medicine</i> , 1986, 3, 150-156.	1.9	60

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127	31P NMR analysis of intracellular pH of Swiss mouse 3T3 cells: Effects of extracellular Na+ and K+ and mitogenic stimulation. Journal of Membrane Biology, 1986, 94, 55-64.	1.0	13