

Peter Jezzard

List of Publications by Year in Descending Order

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Version: 2024-04-17

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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.

176
papers

13,475
citations

59
h-index

113
g-index

184
ext. papers

15,102
ext. citations

5.9
avg, IF

6.22
L-index

#	Paper	IF	Citations
176	Unbiased signal equation for quantitative magnetization transfer mapping in balanced steady-state free precession MRI. <i>Magnetic Resonance in Medicine</i> , 2022 , 87, 446-456	4.4	2
175	Adapting the UK Biobank Brain Imaging Protocol and Analysis Pipeline for the C-MORE Multi-Organ Study of COVID-19 Survivors. <i>Frontiers in Neurology</i> , 2021 , 12, 753284	4.1	2
174	Study Protocol: The Heart and Brain Study. <i>Frontiers in Physiology</i> , 2021 , 12, 643725	4.6	1
173	Assessment of radio-frequency heating of a parallel transmit coil in a phantom using multi-echo proton resonance frequency shift thermometry. <i>Magnetic Resonance Imaging</i> , 2021 , 77, 57-68	3.3	0
172	An investigation into the minimum number of tissue groups required for 7T in-silico parallel transmit electromagnetic safety simulations in the human head. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 1114-1122	4.4	2
171	Medium-term effects of SARS-CoV-2 infection on multiple vital organs, exercise capacity, cognition, quality of life and mental health, post-hospital discharge. <i>EClinicalMedicine</i> , 2021 , 31, 100683	11.3	164
170	Improving PCASL at ultra-high field using a VERSE-guided parallel transmission strategy. <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 777-786	4.4	5
169	Navigator-based reacquisition and estimation of motion-corrupted data: Application to multi-echo spin echo for carotid wall MRI. <i>Magnetic Resonance in Medicine</i> , 2020 , 83, 2026-2041	4.4	4
168	A Comparison of T Relaxation-Based MRI Stroke Timing Methods in Hyperacute Ischemic Stroke Patients: A Pilot Study. <i>Journal of Central Nervous System Disease</i> , 2020 , 12, 1179573520943314	4.4	5
167	The advantages of radial trajectories for vessel-selective dynamic angiography with arterial spin labeling. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2019 , 32, 643-653	2.8	0
166	Determining T2 relaxation time and stroke onset relationship in ischaemic stroke within apparent diffusion coefficient-defined lesions. A user-independent method for quantifying the impact of stroke in the human brain. <i>Biomedical Spectroscopy and Imaging</i> , 2019 , 8, 11-28	1.3	3
165	Off-resonance correction for pseudo-continuous arterial spin labeling using the optimized encoding scheme. <i>NeuroImage</i> , 2019 , 199, 304-312	7.9	6
164	Measurement of collateral perfusion in acute stroke: a vessel-encoded arterial spin labeling study. <i>Scientific Reports</i> , 2019 , 9, 8181	4.9	9
163	Quantifying T relaxation time changes within lesions defined by apparent diffusion coefficient in grey and white matter in acute stroke patients. <i>Physics in Medicine and Biology</i> , 2019 , 64, 095016	3.8	2
162	A Noninvasive Comparison Study between Human Gliomas with IDH1 and IDH2 Mutations by MR Spectroscopy. <i>Metabolites</i> , 2019 , 9,	5.6	17
161	Volume-localized measurement of oxygen extraction fraction in the brain using MRI. <i>Magnetic Resonance in Medicine</i> , 2019 , 82, 1412-1423	4.4	4
160	Visualizing artery-specific blood flow patterns above the circle of Willis with vessel-encoded arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 1595-1604	4.4	8

159	Dual regression physiological modeling of resting-state EPI power spectra: Effects of healthy aging. <i>NeuroImage</i> , 2019 , 187, 68-76	7.9	9
158	Quantitative blood flow measurement in rat brain with multiphase arterial spin labelling magnetic resonance imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019 , 39, 1557-1569	7.3	17
157	A comparison of 2-hydroxyglutarate detection at 3 and 7T with long-TE semi-LASER. <i>NMR in Biomedicine</i> , 2018 , 31, e3886	4.4	13
156	Density-weighted concentric rings k-space trajectory for H magnetic resonance spectroscopic imaging at 7T. <i>NMR in Biomedicine</i> , 2018 , 31, e3838	4.4	24
155	Arterial spin labeling for the measurement of cerebral perfusion and angiography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018 , 38, 603-626	7.3	49
154	Consensus statement on current and emerging methods for the diagnosis and evaluation of cerebrovascular disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018 , 38, 1391-1417	7.3	33
153	Metabolite-cycled density-weighted concentric rings k-space trajectory (DW-CRT) enables high-resolution 1 H magnetic resonance spectroscopic imaging at 3-Tesla. <i>Scientific Reports</i> , 2018 , 8, 7792	4.9	19
152	Advanced processing and simulation of MRS data using the FID appliance (FID-A)-An open source, MATLAB-based toolkit. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 23-33	4.4	131
151	Feasibility of Flat Panel Detector CT in Perfusion Assessment of Brain Arteriovenous Malformations: Initial Clinical Experience. <i>American Journal of Neuroradiology</i> , 2017 , 38, 735-739	4.4	3
150	Non-water-suppressed short-echo-time magnetic resonance spectroscopic imaging using a concentric ring k-space trajectory. <i>NMR in Biomedicine</i> , 2017 , 30, e3714	4.4	23
149	A purpose-built neck coil for black-blood DANTE-prepared carotid artery imaging at 7T. <i>Magnetic Resonance Imaging</i> , 2017 , 40, 53-61	3.3	5
148	Optimizing image registration and infarct definition in stroke research. <i>Annals of Clinical and Translational Neurology</i> , 2017 , 4, 166-174	5.3	15
147	Quantification of Lipid-Rich Core in Carotid Atherosclerosis Using Magnetic Resonance T1 Mapping: Relation to Clinical Presentation. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 747-756	8.4	38
146	T2-Weighted intracranial vessel wall imaging at 7 Tesla using a DANTE-prepared variable flip angle turbo spin echo readout (DANTE-SPACE). <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 655-663	4.4	20
145	Quantification of Serial Cerebral Blood Flow in Acute Stroke Using Arterial Spin Labeling. <i>Stroke</i> , 2017 , 48, 123-130	6.7	22
144	Quantification of carotid plaque lipid content with magnetic resonance T2 mapping in patients undergoing carotid endarterectomy. <i>PLoS ONE</i> , 2017 , 12, e0181668	3.7	15
143	Cardiac cycle-induced EPI time series fluctuations in the brain: Their temporal shifts, inflow effects and T fluctuations. <i>NeuroImage</i> , 2017 , 162, 93-105	7.9	13
142	Large dynamic range relative B1+ mapping. <i>Magnetic Resonance in Medicine</i> , 2016 , 76, 490-9	4.4	8

141	Noninvasive Quantification of 2-Hydroxyglutarate in Human Gliomas with IDH1 and IDH2 Mutations. <i>Cancer Research</i> , 2016 , 76, 43-9	10.1	88
140	Improved localisation for 2-hydroxyglutarate detection at 3T using long-TE semi-LASER. <i>Tomography</i> , 2016 , 2, 94-105	3.1	17
139	Prospective motion correction and selective reacquisition using volumetric navigators for vessel-encoded arterial spin labeling dynamic angiography. <i>Magnetic Resonance in Medicine</i> , 2016 , 76, 1420-1430	4.4	10
138	Optimization of 4D vessel-selective arterial spin labeling angiography using balanced steady-state free precession and vessel-encoding. <i>NMR in Biomedicine</i> , 2016 , 29, 776-86	4.4	21
137	Identifying the ischaemic penumbra using pH-weighted magnetic resonance imaging. <i>Brain</i> , 2015 , 138, 36-42	11.2	102
136	7 Tesla MRI in cerebral small vessel disease. <i>International Journal of Stroke</i> , 2015 , 10, 659-64	6.3	15
135	An optimized design to reduce eddy current sensitivity in velocity-selective arterial spin labeling using symmetric BIR-8 pulses. <i>Magnetic Resonance in Medicine</i> , 2015 , 73, 1085-94	4.4	25
134	Two-voxel spectroscopy with dynamic B0 shimming and flip angle adjustment at 7 T in the human motor cortex. <i>NMR in Biomedicine</i> , 2015 , 28, 852-60	4.4	22
133	Frequency and phase drift correction of magnetic resonance spectroscopy data by spectral registration in the time domain. <i>Magnetic Resonance in Medicine</i> , 2015 , 73, 44-50	4.4	152
132	Structural imaging of the cervical spinal cord with suppressed CSF signal using DANTE pulse trains. <i>Magnetic Resonance in Medicine</i> , 2015 , 74, 971-7	4.4	3
131	An Optimized Encoding Scheme for Planning Vessel-Encoded Pseudocontinuous Arterial Spin Labeling. <i>Magnetic Resonance in Medicine</i> , 2015 , 74, 1248-56	4.4	13
130	Investigating white matter perfusion using optimal sampling strategy arterial spin labeling at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2015 , 73, 2243-8	4.4	18
129	Scan time reduction for readout-segmented EPI using simultaneous multislice acceleration: Diffusion-weighted imaging at 3 and 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2015 , 74, 136-149	4.4	46
128	Are power calculations useful? A multicentre neuroimaging study. <i>Human Brain Mapping</i> , 2014 , 35, 3569-73	5.7	12
127	Optimizing RetroCor and RetroKCor corrections for multi-shot 3D fMRI acquisitions. <i>NeuroImage</i> , 2014 , 84, 394-405	7.9	10
126	3D multi-slab diffusion-weighted readout-segmented EPI with real-time cardiac-reordered K-space acquisition. <i>Magnetic Resonance in Medicine</i> , 2014 , 72, 1565-79	4.4	30
125	Comparing different analysis methods for quantifying the MRI amide proton transfer (APT) effect in hyperacute stroke patients. <i>NMR in Biomedicine</i> , 2014 , 27, 1019-29	4.4	66
124	Black-blood multicontrast imaging of carotid arteries with DANTE-prepared 2D and 3D MR imaging. <i>Radiology</i> , 2014 , 273, 560-9	20.5	54

123	Modeling dispersion in arterial spin labeling: validation using dynamic angiographic measurements. <i>Magnetic Resonance in Medicine</i> , 2013 , 69, 563-70	4.4	33
122	An optimized velocity selective arterial spin labeling module with reduced eddy current sensitivity for improved perfusion quantification. <i>Magnetic Resonance in Medicine</i> , 2013 , 69, 832-8	4.4	22
121	Pseudo-continuous arterial spin labelling MRI for non-invasive, whole-brain, serial quantification of cerebral blood flow following aneurysmal subarachnoid haemorrhage. <i>Translational Stroke Research</i> , 2013 , 4, 710-8	7.8	7
120	Evaluating quantitative approaches to dynamic susceptibility contrast MRI among carotid endarterectomy patients. <i>Journal of Magnetic Resonance Imaging</i> , 2013 , 37, 936-43	5.6	8
119	Unedited in vivo detection and quantification of β -aminobutyric acid in the occipital cortex using short-TE MRS at 3 T. <i>NMR in Biomedicine</i> , 2013 , 26, 1353-62	4.4	62
118	A theoretical framework for quantifying blood volume flow rate from dynamic angiographic data and application to vessel-encoded arterial spin labeling MRI. <i>Medical Image Analysis</i> , 2013 , 17, 1025-36	15.4	7
117	Quantitative Bayesian model-based analysis of amide proton transfer MRI. <i>Magnetic Resonance in Medicine</i> , 2013 , 70, 556-67	4.4	42
116	Cerebral blood flow quantification using vessel-encoded arterial spin labeling. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, 1716-24	7.3	66
115	A fast analysis method for non-invasive imaging of blood flow in individual cerebral arteries using vessel-encoded arterial spin labelling angiography. <i>Medical Image Analysis</i> , 2012 , 16, 831-9	15.4	22
114	Spontaneous blood oxygenation level-dependent fMRI signal is modulated by behavioral state and correlates with evoked response in sensorimotor cortex: a 7.0-T fMRI study. <i>Human Brain Mapping</i> , 2012 , 33, 511-22	5.9	18
113	Ultrahigh field systems and applications at 7 T and beyond: progress, pitfalls, and potential. <i>Magnetic Resonance in Medicine</i> , 2012 , 67, 317-21	4.4	27
112	Plaque features associated with increased cerebral infarction after minor stroke and TIA: a prospective, case-control, 3-T carotid artery MR imaging study. <i>JACC: Cardiovascular Imaging</i> , 2012 , 5, 388-96	8.4	51
111	Quantitative measurement of cerebral physiology using respiratory-calibrated MRI. <i>NeuroImage</i> , 2012 , 60, 582-91	7.9	161
110	Correction of geometric distortion in fMRI data. <i>NeuroImage</i> , 2012 , 62, 648-51	7.9	53
109	Implementation and assessment of diffusion-weighted partial Fourier readout-segmented echo-planar imaging. <i>Magnetic Resonance in Medicine</i> , 2012 , 68, 441-51	4.4	27
108	A kinetic model for vessel-encoded dynamic angiography with arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2012 , 68, 969-79	4.4	19
107	DANTE-prepared pulse trains: a novel approach to motion-sensitized and motion-suppressed quantitative magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2012 , 68, 1423-38	4.4	93
106	Visualization of altered neurovascular coupling in chronic stroke patients using multimodal functional MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012 , 32, 2044-54	7.3	49

105	Hemodynamic alterations in vertebrobasilar large artery disease assessed by arterial spin-labeling MR imaging. <i>American Journal of Neuroradiology</i> , 2012 , 33, 1939-44	4.4	20
104	Brain anatomy and its relationship to behavior in adults with autism spectrum disorder: a multicenter magnetic resonance imaging study. <i>Archives of General Psychiatry</i> , 2012 , 69, 195-209		195
103	The effect of basal vasodilation on hypercapnic and hypocapnic reactivity measured using magnetic resonance imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 426-38	7.3	33
102	Partial volume correction of multiple inversion time arterial spin labeling MRI data. <i>Magnetic Resonance in Medicine</i> , 2011 , 65, 1173-83	4.4	86
101	Blood oxygenation level-dependent (BOLD) total and extravascular signal changes and R_2^* in human visual cortex at 1.5, 3.0 and 7.0 T. <i>NMR in Biomedicine</i> , 2011 , 24, 25-34	4.4	59
100	Efficient γ -aminobutyric acid editing at 3T without macromolecule contamination: MEGA-SPECIAL. <i>NMR in Biomedicine</i> , 2011 , 24, 1277-85	4.4	62
99	Performance of single spin-echo and doubly refocused diffusion-weighted sequences in the presence of eddy current fields with multiple components. <i>Magnetic Resonance Imaging</i> , 2011 , 29, 659-673	3.3	7
98	Intracranial hemodynamics is altered by carotid artery disease and after endarterectomy: a dynamic magnetic resonance angiography study. <i>Stroke</i> , 2011 , 42, 979-84	6.7	20
97	Absolute arterial cerebral blood volume quantification using inflow vascular-space-occupancy with dynamic subtraction magnetic resonance imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 1329-42	7.3	52
96	Multiple inflow pulsed arterial spin-labeling reveals delays in the arterial arrival time in minor stroke and transient ischemic attack. <i>American Journal of Neuroradiology</i> , 2010 , 31, 1892-4	4.4	84
95	Lack of effect of citalopram on magnetic resonance spectroscopy measures of glutamate and glutamine in frontal cortex of healthy volunteers. <i>Journal of Psychopharmacology</i> , 2010 , 24, 1217-21	4.6	14
94	Baseline GABA concentration and fMRI response. <i>NeuroImage</i> , 2010 , 53, 392-8	7.9	139
93	Measurement of relative cerebral blood volume using BOLD contrast and mild hypoxic hypoxia. <i>Magnetic Resonance Imaging</i> , 2010 , 28, 1129-34	3.3	5
92	Asymmetries of the balanced SSFP profile. Part II: white matter. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 396-406	4.4	23
91	Assessment of arterial arrival times derived from multiple inversion time pulsed arterial spin labeling MRI. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 641-7	4.4	100
90	Separation of macrovascular signal in multi-inversion time arterial spin labelling MRI. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 1357-65	4.4	79
89	Real-time adaptive sequential design for optimal acquisition of arterial spin labeling MRI data. <i>Magnetic Resonance in Medicine</i> , 2010 , 64, 203-10	4.4	12
88	Vessel-encoded dynamic magnetic resonance angiography using arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2010 , 64, 698-706	4.4	35

87	A general framework for the analysis of vessel encoded arterial spin labeling for vascular territory mapping. <i>Magnetic Resonance in Medicine</i> , 2010 , 64, 1529-39	4.4	31
86	Normal glutamate but elevated myo-inositol in anterior cingulate cortex in recovered depressed patients. <i>Journal of Affective Disorders</i> , 2009 , 119, 186-9	6.6	33
85	Comparison of hypercapnia-based calibration techniques for measurement of cerebral oxygen metabolism with MRI. <i>Magnetic Resonance in Medicine</i> , 2009 , 61, 391-8	4.4	54
84	Variation in the shape of pulsed arterial spin labeling kinetic curves across the healthy human brain and its implications for CBF quantification. <i>Magnetic Resonance in Medicine</i> , 2009 , 61, 686-95	4.4	17
83	Cerebral blood flow, blood volume, and oxygen metabolism dynamics in human visual and motor cortex as measured by whole-brain multi-modal magnetic resonance imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009 , 29, 1856-66	7.3	76
82	Vascular territory image analysis using vessel encoded arterial spin labeling. <i>Lecture Notes in Computer Science</i> , 2009 , 12, 514-21	0.9	2
81	Characterization of regional heterogeneity in cerebrovascular reactivity dynamics using novel hypocapnia task and BOLD fMRI. <i>NeuroImage</i> , 2009 , 48, 166-75	7.9	85
80	Neurochemical effects of theta burst stimulation as assessed by magnetic resonance spectroscopy. <i>Journal of Neurophysiology</i> , 2009 , 101, 2872-7	3.2	198
79	Measuring the effects of remifentanyl on cerebral blood flow and arterial arrival time using 3D GRASE MRI with pulsed arterial spin labelling. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008 , 28, 1514-22	7.3	78
78	Modelling vascular reactivity to investigate the basis of the relationship between cerebral blood volume and flow under CO ₂ manipulation. <i>NeuroImage</i> , 2008 , 39, 107-18	7.9	78
77	Standardized structural magnetic resonance imaging in multicentre studies using quantitative T1 and T2 imaging at 1.5 T. <i>NeuroImage</i> , 2008 , 40, 662-671	7.9	97
76	Differential effects of citalopram and reboxetine on cortical Glx measured with proton MR spectroscopy. <i>Journal of Psychopharmacology</i> , 2008 , 22, 473-6	4.6	35
75	Low GABA concentrations in occipital cortex and anterior cingulate cortex in medication-free, recovered depressed patients. <i>International Journal of Neuropsychopharmacology</i> , 2008 , 11, 255-60	5.8	121
74	Optimal design of pulsed arterial spin labeling MRI experiments. <i>Magnetic Resonance in Medicine</i> , 2008 , 59, 826-34	4.4	38
73	Modeling the effects of dispersion and pulsatility of blood flow in pulsed arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2008 , 60, 53-63	4.4	32
72	Modeling SSFP functional MRI contrast in the brain. <i>Magnetic Resonance in Medicine</i> , 2008 , 60, 661-73	4.4	38
71	Reduction in occipital cortex gamma-aminobutyric acid concentrations in medication-free recovered unipolar depressed and bipolar subjects. <i>Biological Psychiatry</i> , 2007 , 61, 806-12	7.9	231
70	Flow-metabolism coupling in human visual, motor, and supplementary motor areas assessed by magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2007 , 57, 538-47	4.4	86

69	Measurement of cerebral blood volume in humans using hyperoxic MRI contrast. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 894-9	5.6	56
68	Cerebral perfusion response to hyperoxia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007 , 27, 69-75	5.3	138
67	Dynamic forcing of end-tidal carbon dioxide and oxygen applied to functional magnetic resonance imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007 , 27, 1521-32	7.3	97
66	Evidence for a vascular contribution to diffusion fMRI at high b value. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 20967-72	11.5	70
65	Sources of systematic bias in hypercapnia-calibrated functional MRI estimation of oxygen metabolism. <i>NeuroImage</i> , 2007 , 34, 35-43	7.9	65
64	A calibration method for quantitative BOLD fMRI based on hyperoxia. <i>NeuroImage</i> , 2007 , 37, 808-20	7.9	147
63	Signal and noise characteristics of SSFP fMRI: a comparison with GRE at multiple field strengths. <i>NeuroImage</i> , 2007 , 37, 1227-36	7.9	38
62	Tryptophan depletion does not lower brain GABA levels in healthy volunteers. <i>Psychopharmacology</i> , 2006 , 187, 131-2	4.7	3
61	Requirements for room temperature shimming of the human brain. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 210-4	4.4	20
60	High-resolution fMRI at 1.5T using balanced SSFP. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 161-70	4.4	61
59	The clinical potential of functional magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 23, 787-93	5.6	43
58	Physical and physiological consequences of passive intra-oral shimming. <i>NeuroImage</i> , 2006 , 29, 245-53	7.9	15
57	Simultaneous recording of laser-evoked brain potentials and continuous, high-field functional magnetic resonance imaging in humans. <i>NeuroImage</i> , 2005 , 28, 708-19	7.9	99
56	Independent anatomical and functional measures of the V1/V2 boundary in human visual cortex. <i>Journal of Vision</i> , 2005 , 5, 93-102	0.4	83
55	Quantitative perfusion measurements using pulsed arterial spin labeling: effects of large region-of-interest analysis. <i>Journal of Magnetic Resonance Imaging</i> , 2005 , 21, 676-82	5.6	33
54	Calibration of gradient propagation delays for accurate two-dimensional radiofrequency pulses. <i>Magnetic Resonance in Medicine</i> , 2005 , 53, 231-6	4.4	15
53	Self-navigated multishot echo-planar pulse sequence for high-resolution diffusion-weighted imaging. <i>Magnetic Resonance in Medicine</i> , 2005 , 53, 1474-8	4.4	32
52	Investigations on the efficiency of cardiac-gated methods for the acquisition of diffusion-weighted images. <i>Journal of Magnetic Resonance</i> , 2005 , 177, 102-10	3	58

51	Increased brain GABA concentrations following acute administration of a selective serotonin reuptake inhibitor. <i>American Journal of Psychiatry</i> , 2004 , 161, 368-70	11.9	162
50	Methamphetamine activates reward circuitry in drug naïve human subjects. <i>Neuropsychopharmacology</i> , 2004 , 29, 1715-22	8.7	125
49	The cortical organization of audio-visual sentence comprehension: an fMRI study at 4 Tesla. <i>Cognitive Brain Research</i> , 2004 , 20, 111-9		29
48	Perturbation method for magnetic field calculations of nonconductive objects. <i>Magnetic Resonance in Medicine</i> , 2004 , 52, 471-7	4.4	52
47	Distinct portions of anterior cingulate cortex and medial prefrontal cortex are activated by reward processing in separable phases of decision-making cognition. <i>Biological Psychiatry</i> , 2004 , 55, 594-602	7.9	324
46	Functional asymmetry for auditory processing in human primary auditory cortex. <i>Journal of Neuroscience</i> , 2003 , 23, 11516-22	6.6	96
45	Theoretical and experimental evaluation of detached endcaps for 3 T birdcage coils. <i>Magnetic Resonance in Medicine</i> , 2003 , 49, 363-70	4.4	23
44	Selective arterial spin labeling (SASL): perfusion territory mapping of selected feeding arteries tagged using two-dimensional radiofrequency pulses. <i>Magnetic Resonance in Medicine</i> , 2003 , 49, 1133-42	4.4	71
43	Utilization of an intra-oral diamagnetic passive shim in functional MRI of the inferior frontal cortex. <i>Magnetic Resonance in Medicine</i> , 2003 , 50, 1089-94	4.4	51
42	Protocol to determine the optimal intraoral passive shim for minimisation of susceptibility artifact in human inferior frontal cortex. <i>NeuroImage</i> , 2003 , 19, 1802-11	7.9	23
41	Thalamic neurodegeneration in multiple sclerosis. <i>Annals of Neurology</i> , 2002 , 52, 650-3	9.4	397
40	Characterization and reduction of gradient-induced eddy currents in the RF shield of a TEM resonator. <i>Magnetic Resonance in Medicine</i> , 2002 , 48, 404-7	4.4	25
39	Sensitivity-encoded single-shot spiral imaging for reduced susceptibility artifacts in BOLD fMRI. <i>Magnetic Resonance in Medicine</i> , 2002 , 48, 860-6	4.4	95
38	Optimization of static field homogeneity in human brain using diamagnetic passive shims. <i>Magnetic Resonance in Medicine</i> , 2002 , 48, 906-14	4.4	82
37	A method for determining venous contribution to BOLD contrast sensory activation. <i>Magnetic Resonance Imaging</i> , 2002 , 20, 695-706	3.3	28
36	A critical period for right hemisphere recruitment in American Sign Language processing. <i>Nature Neuroscience</i> , 2002 , 5, 76-80	25.5	145
35	Fast, Fully Automated Global and Local Magnetic Field Optimization for fMRI of the Human Brain. <i>NeuroImage</i> , 2002 , 17, 967-976	7.9	133
34	Fast, fully automated global and local magnetic field optimization for fMRI of the human brain. <i>NeuroImage</i> , 2002 , 17, 967-76	7.9	44

33	Compensating for B(1) inhomogeneity using active transmit power modulation. <i>Magnetic Resonance Imaging</i> , 2001 , 19, 1349-52	3.3	23
32	Rapid T(1) mapping using multislice echo planar imaging. <i>Magnetic Resonance in Medicine</i> , 2001 , 45, 630-4	4.4	102
31	Radio frequency magnetic field mapping of a 3 Tesla birdcage coil: experimental and theoretical dependence on sample properties. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 379-85	4.4	109
30	Principles of nuclear magnetic resonance and MRI 2001 , 68-92		2
29	Physical Basis of Spatial Distortions in Magnetic Resonance Images 2000 , 425-438		1
28	Sources of distortion in functional MRI data. <i>Human Brain Mapping</i> , 1999 , 8, 80-5	5.9	308
27	Characterization of and correction for eddy current artifacts in echo planar diffusion imaging. <i>Magnetic Resonance in Medicine</i> , 1998 , 39, 801-12	4.4	275
26	Perfusion imaging: quantitative cerebral blood flow mapping in humans using magnetic resonance imaging. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 1998 , 7, 228-9	2.8	
25	Cerebral organization for language in deaf and hearing subjects: biological constraints and effects of experience. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 922-9	11.5	417
24	The acquisition of skilled motor performance: fast and slow experience-driven changes in primary motor cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 861-8	11.5	1015
23	Hemispheric specialization for English and ASL: left invariance-right variability. <i>NeuroReport</i> , 1998 , 9, 1537-42	1.7	83
22	Simultaneous measurement of DeltaR2 and DeltaR2* in cat brain during hypoxia and hypercapnia. <i>NeuroImage</i> , 1997 , 6, 191-200	7.9	37
21	Centric ordering is superior to gradient moment nulling for motion artifact reduction in EPI. <i>Journal of Magnetic Resonance Imaging</i> , 1997 , 7, 1122-31	5.6	5
20	Correction for vascular artifacts in cerebral blood flow values measured by using arterial spin tagging techniques. <i>Magnetic Resonance in Medicine</i> , 1997 , 37, 226-35	4.4	266
19	An in vivo model for functional MRI in cat visual cortex. <i>Magnetic Resonance in Medicine</i> , 1997 , 38, 699-705	4.4	44
18	Technical foundations and pitfalls of clinical fMRI. <i>NeuroImage</i> , 1996 , 4, S63-75	7.9	37
17	Perfusion imaging with compensation for asymmetric magnetization transfer effects. <i>Magnetic Resonance in Medicine</i> , 1996 , 35, 70-9	4.4	142
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