

Quantitative imaging of perfusion using a single subtra

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Arterial spin labeling perfusion magnetic resonance imaging in developmental neuroscience. , 0, , 326-343.		2
2	A theoretical and experimental comparison of continuous and pulsed arterial spin labeling techniques for quantitative perfusion imaging. Magnetic Resonance in Medicine, 1998, 40, 348-355.	1.9	228
3	A general kinetic model for quantitative perfusion imaging with arterial spin labeling. Magnetic Resonance in Medicine, 1998, 40, 383-396.	1.9	1,067
4	Measuring Cerebral Blood Flow Using Magnetic Resonance Imaging Techniques. Journal of Cerebral Blood Flow and Metabolism, 1999, 19, 701-735.	2.4	607
5	Delivery of imaging agents into brain. Advanced Drug Delivery Reviews, 1999, 37, 253-277.	6.6	54
6	Measurement of human myocardial perfusion by double-gated flow alternating inversion recovery EPI. Magnetic Resonance in Medicine, 1999, 41, 510-519.	1.9	71
7	Multislice perfusion and perfusion territory imaging in humans with separate label and image coils. Magnetic Resonance in Medicine, 1999, 41, 1093-1098.	1.9	135
8	Perfusion imaging using FAIR with a short pre-delay. Magnetic Resonance in Medicine, 1999, 41, 1099-1107.	1.9	16
9	QUIPSS II with thin-slice T11 periodic saturation: A method for improving accuracy of quantitative perfusion imaging using pulsed arterial spin labeling. Magnetic Resonance in Medicine, 1999, 41, 1246-1254.	1.9	460
10	Dynamic imaging of perfusion in human skeletal muscle during exercise with arterial spin labeling. Magnetic Resonance in Medicine, 1999, 42, 258-267.	1.9	110
11	Investigation of BOLD signal dependence on cerebral blood flow and oxygen consumption: The deoxyhemoglobin dilution model. Magnetic Resonance in Medicine, 1999, 42, 849-863.	1.9	538
12	Effect of transit times on quantification of cerebral blood flow by the FAIR T1-difference approach. Magnetic Resonance in Medicine, 1999, 42, 890-894.	1.9	26
13	Multislice perfusion imaging in human brain using the C-FOCI inversion pulse: Comparison with hyperbolic secant. Magnetic Resonance in Medicine, 1999, 42, 1098-1105.	1.9	64
14	Continuous saturation EPI with diffusion weighting at 3.0 T. NMR in Biomedicine, 1999, 12, 440-450.	1.6	11
15	Functional mapping in the human brain using high magnetic fields. Philosophical Transactions of the Royal Society B: Biological Sciences, 1999, 354, 1195-1213.	1.8	144
16	Detection of the brain response during a cognitive task using perfusion-based event-related functional MRI. NeuroReport, 2000, 11, 2533-2536.	0.6	17
17	Spin echo entrapped perfusion image (SEEPAGE). A nonsubtraction method for direct imaging of perfusion. Magnetic Resonance in Medicine, 2000, 43, 701-704.	1.9	11
18	A protocol for assessing subtraction errors of arterial spin-tagging perfusion techniques in human brain. Magnetic Resonance in Medicine, 2000, 43, 896-900.	1.9	8

#	ARTICLE	IF	CITATIONS
19	Comparison of simultaneously measured perfusion and BOLD signal increases during brain activation with T1-based tissue identification. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 137-143.	1.9	130
20	Noise reduction in 3D perfusion imaging by attenuating the static signal in arterial spin tagging (ASSIST). <i>Magnetic Resonance in Medicine</i> , 2000, 44, 92-100.	1.9	293
21	Effect of restricted water exchange on cerebral blood flow values calculated with arterial spin tagging: A theoretical investigation. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 440-449.	1.9	98
22	Delay and dispersion effects in dynamic susceptibility contrast MRI: Simulations using singular value decomposition. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 466-473.	1.9	446
23	Turbo ASL: Arterial spin labeling with higher SNR and temporal resolution. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 511-515.	1.9	52
24	Transit time, trailing time, and cerebral blood flow during brain activation: Measurement using multislice, pulsed spin-labeling perfusion imaging. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 680-685.	1.9	109
25	Magnetic Resonance Studies of Brain Function and Neurochemistry. <i>Annual Review of Biomedical Engineering</i> , 2000, 2, 633-660.	5.7	84
26	The measurement of diffusion and perfusion in biological systems using magnetic resonance imaging. <i>Physics in Medicine and Biology</i> , 2000, 45, R97-R138.	1.6	112
27	A CBF-Based Event-Related Brain Activation Paradigm: Characterization of Impulse Response Function and Comparison to BOLD. <i>NeuroImage</i> , 2000, 12, 287-297.	2.1	61
30	Magnetic resonance imaging of brain function and neurochemistry. <i>Proceedings of the IEEE</i> , 2001, 89, 1093-1106.	16.4	4
31	Oxidative metabolism and the detection of neuronal activation via imaging. <i>Journal of Chemical Neuroanatomy</i> , 2001, 22, 43-52.	1.0	60
32	Methodology of brain perfusion imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 496-520.	1.9	361
33	Simultaneous noninvasive measurement of CBF and CBV using double-echo FAIR (DEFAIR). <i>Magnetic Resonance in Medicine</i> , 2001, 45, 853-863.	1.9	23
34	Theoretical analysis of the effect of imperfect slice profiles on tagging schemes for pulsed arterial spin labeling MRI. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 141-148.	1.9	12
35	Perfusion imaging using spin-labeling methods: Contrast-to-noise comparison in functional MRI applications. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 172-182.	1.9	29
36	Improved perfusion quantification in FAIR imaging by offset correction. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 193-197.	1.9	10
37	Arterial spin labeling in combination with a look-locker sampling strategy: Inflow turbo-sampling EPI-FAIR (ITS-FAIR). <i>Magnetic Resonance in Medicine</i> , 2001, 46, 974-984.	1.9	209
38	FAIR exempting separate T1 measurement (FAIREST): a novel technique for online quantitative perfusion imaging and multi-contrast fMRI. <i>NMR in Biomedicine</i> , 2001, 14, 507-516.	1.6	22

#	ARTICLE	IF	CITATIONS
39	Nonlinear temporal dynamics of the cerebral blood flow response. <i>Human Brain Mapping</i> , 2001, 13, 1-12.	1.9	183
40	Perfusion-weighted imaging of interictal hypoperfusion in temporal lobe epilepsy using FAIR-HASTE: Comparison with H215O PET measurements. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 431-435.	1.9	65
41	Brain perfusion measured by flow-sensitive alternating inversion recovery (FAIR) and dynamic susceptibility contrast-enhanced magnetic resonance imaging: comparison with nuclear medicine technique. <i>European Radiology</i> , 2001, 11, 635-641.	2.3	21
42	Sleep Deprivation, EEG, and Functional MRI in Depression Preliminary Results. <i>Neuropsychopharmacology</i> , 2001, 25, S79-S84.	2.8	29
43	fMRI: A New Tool for the In Vivo Localization of Drug Actions in the Brain. <i>Journal of Analytical Toxicology</i> , 2001, 25, 419-424.	1.7	43
44	Quantification of Perfusion Using Bolus Tracking Magnetic Resonance Imaging in Stroke. <i>Stroke</i> , 2002, 33, 1146-1151.	1.0	267
45	Perfusion imaging and stroke: A more sensitive measure of the brain bases of cognitive deficits. <i>Aphasiology</i> , 2002, 16, 873-883.	1.4	43
46	Pulsed Arterial Spin Labeling: Comparison of Multisection Baseline and Functional MR Imaging Perfusion Signal at 1.5 and 3.0 T: Initial Results in Six Subjects. <i>Radiology</i> , 2002, 222, 569-575.	3.6	52
47	Altered Hemodynamic Responses in Patients After Subcortical Stroke Measured by Functional MRI. <i>Stroke</i> , 2002, 33, 103-109.	1.0	151
48	Technical aspects and utility of fMRI using BOLD and ASL. <i>Clinical Neurophysiology</i> , 2002, 113, 621-634.	0.7	255
49	On the Use of Caffeine as a Contrast Booster for BOLD fMRI Studies. <i>NeuroImage</i> , 2002, 15, 37-44.	2.1	163
50	High-Field Magnetic Resonance. , 2002, , 291-313.		2
51	Arterial Spin Labeling Techniques. , 2002, , 351-388.		3
52	Functional MRI. , 2002, , 315-349.		10
53	Imaging Functional Activity. , 2002, , 104-120.		0
54	Spoiled gradient-echo as an arterial spin tagging technique for quick evaluation of local perfusion. <i>Journal of Magnetic Resonance Imaging</i> , 2002, 16, 51-59.	1.9	8
55	Simultaneous perfusion and BOLD imaging using reverse spiral scanning at 3T: Characterization of functional contrast and susceptibility artifacts. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 278-289.	1.9	71
56	Comparison of quantitative perfusion imaging using arterial spin labeling at 1.5 and 4.0 Tesla. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 242-254.	1.9	346

#	ARTICLE	IF	CITATIONS
57	Perfusion MR imaging with pulsed arterial spin-labeling: Basic principles and applications in functional brain imaging. Concepts in Magnetic Resonance, 2002, 14, 347-357.	1.3	18
58	Microscopic spin tagging (MiST) for flow imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2002, 15, 45-51.	1.1	1
59	Microscopic spin tagging (MiST) for flow imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2002, 15, 45-51.	1.1	0
60	Ultrahigh field magnetic resonance imaging and spectroscopy. Magnetic Resonance Imaging, 2003, 21, 1263-1281.	1.0	218
61	Perfusion-based functional magnetic resonance imaging. Concepts in Magnetic Resonance, 2003, 16A, 16-27.	1.3	17
62	Pediatric perfusion imaging using pulsed arterial spin labeling. Journal of Magnetic Resonance Imaging, 2003, 18, 404-413.	1.9	216
63	Pulsed arterial spin labeling using TurboFLASH with suppression of intravascular signal. Magnetic Resonance in Medicine, 2003, 49, 341-350.	1.9	30
64	Measuring the effects of indomethacin on changes in cerebral oxidative metabolism and cerebral blood flow during sensorimotor activation. Magnetic Resonance in Medicine, 2003, 50, 99-106.	1.9	62
65	Effect of vascular crushing on FAIR perfusion kinetics, using a BIR-4 pulse in a magnetization prepared FLASH sequence. Magnetic Resonance in Medicine, 2003, 50, 608-613.	1.9	15
66	Breast tissue differentiation using arterial spin tagging. Magnetic Resonance in Medicine, 2003, 50, 966-975.	1.9	13
67	Regional Cerebral Blood Flow and BOLD Responses in Conscious and Anesthetized Rats under Basal and Hypercapnic Conditions: Implications for Functional MRI Studies. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 472-481.	2.4	242
68	BOLD and Perfusion Response to Finger-Thumb Apposition after Acetazolamide Administration: Differential Relationship to Global Perfusion. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 829-837.	2.4	123
69	Empirical analyses of null-hypothesis perfusion fMRI data at 1.5 and 4 T. NeuroImage, 2003, 19, 1449-1462.	2.1	54
70	High-resolution functional magnetic resonance imaging of the animal brain. Methods, 2003, 30, 28-41.	1.9	55
71	Functional MRI. , 0, , 413-453.		19
72	ASL: Blood Perfusion Measurements Using Arterial Spin Labelling. , 0, , 455-473.		4
73	Quantification of Blood Flow in Brain Tumors: Comparison of Arterial Spin Labeling and Dynamic Susceptibility-weighted Contrast-enhanced MR Imaging. Radiology, 2003, 228, 523-532.	3.6	347
74	Cerebral Perfusion MR Imaging Using α Signal Targeting with Alternating Radio Frequency with Asymmetric Inversion Slabs Technique. The Neuroradiology Journal, 2003, 16, 1018-1020.	0.1	1

#	ARTICLE	IF	CITATIONS
75	Multislice Cerebral Perfusion MR Imaging Using Three-Dimensional ASTAR Technique. The Neuroradiology Journal, 2003, 16, 1021-1024.	0.1	1
76	Comparison of Arterial Spin-Labeling Techniques and Dynamic Susceptibility-Weighted Contrast-Enhanced MRI in Perfusion Imaging of Normal Brain Tissue. Investigative Radiology, 2003, 38, 712-718.	3.5	75
77	Perfusion imaging with arterial spin labelling. , 2003, , 161-174.		1
78	Artifacts and pitfalls in diffusion MR imaging. , 2004, , 99-108.		1
79	Arterial spin labeling perfusion MRI in stroke. , 2004, , 207-222.		0
80	ADVANCED PULSE SEQUENCE TECHNIQUES. , 2004, , 802-954.		11
81	MRI of Animal Models of Brain Disease. Methods in Enzymology, 2004, 386, 149-177.	0.4	11
82	Internal Carotid Artery Occlusion Assessed at Pulsed Arterial Spin-labeling Perfusion MR Imaging at Multiple Delay Times. Radiology, 2004, 233, 899-904.	3.6	100
84	TurboFLASH FAIR imaging with optimized inversion and imaging profiles. Magnetic Resonance in Medicine, 2004, 51, 46-54.	1.9	15
85	Comparison of arterial spin labeling and first-pass dynamic contrast-enhanced MR imaging in the assessment of pulmonary perfusion in humans: The inflow spin-tracer saturation effect. Magnetic Resonance in Medicine, 2004, 52, 1291-1301.	1.9	20
86	Simultaneous MRI acquisition of blood volume, blood flow, and blood oxygenation information during brain activation. Magnetic Resonance in Medicine, 2004, 52, 1407-1417.	1.9	70
87	Two analytical solutions for a model of pulsed arterial spin labeling with randomized blood arrival times. Journal of Magnetic Resonance, 2004, 167, 49-55.	1.2	40
88	The effects of water diffusion and laminar flow on velocity-selective arterial spin labeling. , 2004, 2004, 1884-7.		2
89	Discrepancies between BOLD and flow dynamics in primary and supplementary motor areas: application of the balloon model to the interpretation of BOLD transients. NeuroImage, 2004, 21, 144-153.	2.1	226
90	Coupling of cerebral blood flow and oxygen consumption during physiological activation and deactivation measured with fMRI. NeuroImage, 2004, 23, 148-155.	2.1	230
91	Caffeine alters the temporal dynamics of the visual BOLD response. NeuroImage, 2004, 23, 1402-1413.	2.1	113
92	Assessment of Irradiated Brain Metastases by Means of Arterial Spin-Labeling and Dynamic Susceptibility-Weighted Contrast-Enhanced Perfusion MRI. Investigative Radiology, 2004, 39, 277-287.	3.5	96
93	Investigating the physiology of brain activation with MRI. , 2004, , .		0

#	ARTICLE	IF	CITATIONS
94	Perfusion Imaging Using Arterial Spin Labeling. Topics in Magnetic Resonance Imaging, 2004, 15, 10-27.	0.7	234
95	To smooth or not to smooth? ROC analysis of perfusion fMRI data. Magnetic Resonance Imaging, 2005, 23, 75-81.	1.0	53
96	Validation and advantages of FAWSETS perfusion measurements in skeletal muscle. NMR in Biomedicine, 2005, 18, 226-234.	1.6	13
97	Comparison of perfusion MRI by flow-sensitive alternating inversion recovery and dynamic susceptibility contrast in rats with permanent middle cerebral artery occlusion. NMR in Biomedicine, 2005, 18, 390-394.	1.6	3
98	Spatially-confined arterial spin-labeling with FAIR. Journal of Magnetic Resonance Imaging, 2005, 22, 119-124.	1.9	9
99	Quantifying CBF with pulsed ASL: Technical and pulse sequence factors. Journal of Magnetic Resonance Imaging, 2005, 22, 727-731.	1.9	76
100	Quantifying CBF with arterial spin labeling. Journal of Magnetic Resonance Imaging, 2005, 22, 723-726.	1.9	131
101	Pulsed star labeling of arterial regions (PULSAR): A robust regional perfusion technique for high field imaging. Magnetic Resonance in Medicine, 2005, 53, 15-21.	1.9	143
102	Effects of the apparent transverse relaxation time on cerebral blood flow measurements obtained by arterial spin labeling. Magnetic Resonance in Medicine, 2005, 53, 425-433.	1.9	72
103	Noise reduction in multi-slice arterial spin tagging imaging. Magnetic Resonance in Medicine, 2005, 53, 735-738.	1.9	46
104	The effect of B1 field inhomogeneity and the nonselective inversion profile on the kinetics of FAIR-based perfusion MRI. Magnetic Resonance in Medicine, 2005, 53, 1355-1362.	1.9	9
105	Single-shot 3D imaging techniques improve arterial spin labeling perfusion measurements. Magnetic Resonance in Medicine, 2005, 54, 491-498.	1.9	267
106	Amplitude-modulated Continuous Arterial Spin-labeling 3.0-T Perfusion MR Imaging with a Single Coil: Feasibility Study. Radiology, 2005, 235, 218-228.	3.6	265
107	Intravascular effect in velocity-selective arterial spin labeling. , 2005, 2005, 5790-3.		2
108	Comparative Overview of Brain Perfusion Imaging Techniques. Stroke, 2005, 36, e83-99.	1.0	397
109	Pulmonary Blood Flow Heterogeneity during Hypoxia and High-Altitude Pulmonary Edema. American Journal of Respiratory and Critical Care Medicine, 2005, 171, 83-87.	2.5	161
110	Quantitative assessment of the reproducibility of functional activation measured with BOLD and MR perfusion imaging: Implications for clinical trial design. NeuroImage, 2005, 27, 393-401.	2.1	125
111	Comparative overview of brain perfusion imaging techniques. Journal of Neuroradiology, 2005, 32, 294-314.	0.6	141

#	ARTICLE	IF	CITATIONS
112	Arterial spin labeling blood flow magnetic resonance imaging for the characterization of metastatic renal cell carcinoma. Academic Radiology, 2005, 12, 347-357.	1.3	108
113	Pediatric Perfusion MR Imaging Using Arterial Spin Labeling. Neuroimaging Clinics of North America, 2006, 16, 149-167.	0.5	101
114	Ultra High Field Magnetic Resonance Imaging. Biological Magnetic Resonance, 2006, , .	0.4	53
115	Non-invasive measurement of perfusion: a critical review of arterial spin labelling techniques. British Journal of Radiology, 2006, 79, 688-701.	1.0	300
116	Personality factors correlate with regional cerebral perfusion. NeuroImage, 2006, 31, 489-495.	2.1	74
117	Physiological noise reduction for arterial spin labeling functional MRI. NeuroImage, 2006, 31, 1104-1115.	2.1	100
118	Intravascular effect in velocity-selective arterial spin labeling: The choice of inflow time and cutoff velocity. NeuroImage, 2006, 32, 122-128.	2.1	37
119	Caffeine reduces the initial dip in the visual BOLD response at 3 T. NeuroImage, 2006, 32, 9-15.	2.1	49
120	Heterogeneous pulmonary blood flow in response to hypoxia: A risk factor for high altitude pulmonary edema?. Respiratory Physiology and Neurobiology, 2006, 151, 217-228.	0.7	17
121	Imaging carotid disease: MR and CT perfusion. , 0, , 358-371.		0
123	Regional Variation of Cerebral Blood Flow and Arterial Transit Time in the Normal and Hypoperfused Rat Brain Measured Using Continuous Arterial Spin Labeling MRI. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 274-282.	2.4	50
124	Slice profile optimization in arterial spin labeling using presaturation and optimized RF pulses. Magnetic Resonance Imaging, 2006, 24, 1229-1240.	1.0	13
125	Comparison of spatial and temporal pattern for fMRI obtained with BOLD and arterial spin labeling. Journal of Neural Transmission, 2006, 113, 1403-1415.	1.4	47
126	Removing the Effects of CSF Partial Voluming on Fitted CBF and Arterial Transit Times Using FAIR, a Pulsed Arterial Spin Labelling Technique. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2006, 19, 115-123.	1.1	3
127	Modulation of BOLD and Arterial Spin Labeling (ASL-CBF) Response in Patients with Transient Visual Impairment after Posterior Circulation Stroke*. Klinische Neuroradiologie, 2006, 16, 228-235.	0.9	1
128	Why perfusion in neonates with congenital heart defects is negative " Technical issues related to pulsed arterial spin labeling. Magnetic Resonance Imaging, 2006, 24, 249-254.	1.0	26
129	Comparison of multislice and single-slice acquisitions for pulsed arterial spin labeling measurements of cerebral perfusion. Magnetic Resonance Imaging, 2006, 24, 869-876.	1.0	17
130	Does amygdalar perfusion correlate with antidepressant response to partial sleep deprivation in major depression?. Psychiatry Research - Neuroimaging, 2006, 146, 43-51.	0.9	56

#	ARTICLE	IF	CITATIONS
131	Improved anatomic delineation of the antidepressant response to partial sleep deprivation in medial frontal cortex using perfusion-weighted functional MRI. <i>Psychiatry Research - Neuroimaging</i> , 2006, 146, 213-222.	0.9	45
132	Structural MRI of carotid artery atherosclerotic lesion burden and characterization of hemispheric cerebral blood flow before and after carotid endarterectomy. <i>NMR in Biomedicine</i> , 2006, 19, 198-208.	1.6	30
133	Model-free arterial spin labeling quantification approach for perfusion MRI. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 219-232.	1.9	275
134	Application of selective saturation to image the dynamics of arterial blood flow during brain activation using magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 816-825.	1.9	9
135	Reducing contamination while closing the gap: BASSI RF pulses in PASL. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 865-873.	1.9	20
136	In vivo estimation of the flow-driven adiabatic inversion efficiency for continuous arterial spin labeling: A method using phase contrast magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1291-1297.	1.9	13
137	Quantitative lung perfusion mapping at 0.2 T using FAIR True-FISP MRI. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1065-1074.	1.9	39
138	Quantification of regional pulmonary blood flow using ASL-FAIRER. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1308-1317.	1.9	73
139	Velocity-selective arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1334-1341.	1.9	224
140	Efficient visualization of vascular territories in the human brain by cycled arterial spin labeling MRI. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 671-675.	1.9	52
141	Bayesian inference of hemodynamic changes in functional arterial spin labeling data. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 891-906.	1.9	39
142	Improved echo volumar imaging (EVI) for functional MRI. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 1320-1327.	1.9	36
143	Pulsed arterial spin labeling parameter optimization for an elderly population. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 23, 398-403.	1.9	46
144	Frontiers of brain mapping using MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 23, 945-957.	1.9	58
145	Diagnostic functional MRI: Illustrated clinical applications and decision-making. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 23, 921-932.	1.9	56
146	Clinical applicability of functional MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 23, 808-815.	1.9	57
147	Noninvasive Measurements of Regional Cerebral Perfusion in Preterm and Term Neonates by Magnetic Resonance Arterial Spin Labeling. <i>Pediatric Research</i> , 2006, 60, 359-363.	1.1	100
148	Nicotine Enhances Visuospatial Attention by Deactivating Areas of the Resting Brain Default Network. <i>Journal of Neuroscience</i> , 2007, 27, 3477-3489.	1.7	184

#	ARTICLE	IF	CITATIONS
149	Perfusion fMRI detects deficits in regional CBF during memory-encoding tasks in MCI subjects. <i>Neurology</i> , 2007, 69, 1650-1656.	1.5	95
150	Underestimation of Cerebral Perfusion on Flow-Sensitive Alternating Inversion Recovery Image: Semiquantitative Evaluation with Time-to-Peak Values. <i>American Journal of Neuroradiology</i> , 2007, 28, 2008-2013.	1.2	31
151	Measurement of cerebral perfusion with arterial spin labeling: Part 2. Applications. <i>Journal of the International Neuropsychological Society</i> , 2007, 13, 526-38.	1.2	93
152	Theoretical Basis of Hemodynamic MR Imaging Techniques to Measure Cerebral Blood Volume, Cerebral Blood Flow, and Permeability. <i>American Journal of Neuroradiology</i> , 2007, 28, 1850-1858.	1.2	115
153	Measurement of cerebral perfusion with arterial spin labeling: Part 1. Methods. <i>Journal of the International Neuropsychological Society</i> , 2007, 13, 517-25.	1.2	173
156	Effects of age on pulmonary perfusion heterogeneity measured by magnetic resonance imaging. <i>Journal of Applied Physiology</i> , 2007, 102, 2064-2070.	1.2	54
157	Quantitative Perfusion Imaging with Pulsed Arterial Spin Labeling: A Phantom Study. <i>Magnetic Resonance in Medical Sciences</i> , 2007, 6, 91-97.	1.1	23
158	Advances in Magnetic Resonance Neuroimaging Techniques in the Evaluation of Neonatal Encephalopathy. <i>Topics in Magnetic Resonance Imaging</i> , 2007, 18, 3-29.	0.7	36
159	Characterization of Focal Brain Lesions by Gradient-Echo Arterial Spin-Tagging Perfusion Imaging. <i>Neuroradiology Journal</i> , 2007, 20, 149-158.	0.6	1
160	Sources of systematic bias in hypercapnia-calibrated functional MRI estimation of oxygen metabolism. <i>NeuroImage</i> , 2007, 34, 35-43.	2.1	70
161	Quantitative basal CBF and CBF fMRI of rhesus monkeys using three-coil continuous arterial spin labeling. <i>NeuroImage</i> , 2007, 34, 1074-1083.	2.1	32
162	Reproducibility of BOLD, perfusion, and CMRO ₂ measurements with calibrated-BOLD fMRI. <i>NeuroImage</i> , 2007, 35, 175-184.	2.1	202
163	Simultaneous laser Doppler flowmetry and arterial spin labeling MRI for measurement of functional perfusion changes in the cortex. <i>NeuroImage</i> , 2007, 34, 1391-1404.	2.1	17
164	CBF/CMRO ₂ coupling measured with calibrated BOLD fMRI: Sources of bias. <i>NeuroImage</i> , 2007, 36, 1110-1122.	2.1	66
165	A component based noise correction method (CompCor) for BOLD and perfusion based fMRI. <i>NeuroImage</i> , 2007, 37, 90-101.	2.1	3,466
166	Cerebral blood flow and BOLD responses to a memory encoding task: A comparison between healthy young and elderly adults. <i>NeuroImage</i> , 2007, 37, 430-439.	2.1	99
167	A calibration method for quantitative BOLD fMRI based on hyperoxia. <i>NeuroImage</i> , 2007, 37, 808-820.	2.1	165
168	The Effects of Flow Dispersion and Cardiac Pulsation in Arterial Spin Labeling. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 84-92.	5.4	38

#	ARTICLE	IF	CITATIONS
169	Decreased Perfusion in Young Alcohol-Dependent Women as Compared With Age-Matched Controls. <i>American Journal of Drug and Alcohol Abuse</i> , 2007, 33, 13-19.	1.1	30
170	Advances in magnetic resonance imaging of lung physiology. <i>Journal of Applied Physiology</i> , 2007, 102, 1244-1254.	1.2	66
171	Magnetization transfer effects on the efficiency of flow-driven adiabatic fast passage inversion of arterial blood. <i>NMR in Biomedicine</i> , 2007, 20, 733-742.	1.6	13
172	Measurement of cerebral perfusion territories using arterial spin labelling. <i>NMR in Biomedicine</i> , 2007, 20, 633-642.	1.6	48
173	Flow-metabolism coupling in human visual, motor, and supplementary motor areas assessed by magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 538-547.	1.9	94
174	Noninvasive measurement of arterial cerebral blood volume using look-locker EPI and arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 41-54.	1.9	47
175	A theoretical and experimental investigation of the tagging efficiency of pseudocontinuous arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 1020-1027.	1.9	429
176	Sensitivity comparison of multiple vs. single inversion time pulsed arterial spin labeling fMRI. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 25, 215-221.	1.9	8
177	Quantification of rodent cerebral blood flow (CBF) in normal and high flow states using pulsed arterial spin labeling magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 855-862.	1.9	26
178	Measurement of cerebral blood volume in humans using hyperoxic MRI contrast. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 894-899.	1.9	61
179	Hypoglycemia reduces the blood-oxygenation level dependent signal in primary auditory and visual cortex: A functional magnetic resonance imaging study. <i>Journal of Neuroscience Research</i> , 2007, 85, 575-582.	1.3	17
180	Clinical neuroimaging using arterial spin-labeled perfusion magnetic resonance imaging. <i>Neurotherapeutics</i> , 2007, 4, 346-359.	2.1	209
181	Cerebral Perfusion Response to Hyperoxia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 69-75.	2.4	162
182	Feasibility of Velocity Selective Arterial Spin Labeling in Functional MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 831-838.	2.4	33
183	Quantitative regional cerebral blood flow MRI of animal model of attention-deficit/hyperactivity disorder. <i>Brain Research</i> , 2007, 1150, 217-224.	1.1	26
184	A Primer on Functional Magnetic Resonance Imaging. <i>Neuropsychology Review</i> , 2007, 17, 107-125.	2.5	59
185	Modeling and optimization of look-locker spin labeling for measuring perfusion and transit time changes in activation studies taking into account arterial blood volume. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 316-325.	1.9	56
186	Optimal design of pulsed arterial spin labeling MRI experiments. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 826-834.	1.9	41

#	ARTICLE	IF	CITATIONS
187	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.	1.9	37
188	Anesthetic effects on regional CBF, BOLD, and the coupling between task-induced changes in CBF and BOLD: An fMRI study in normal human subjects. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 987-996.	1.9	45
189	Mapping of the cerebral vascular response to hypoxia and hypercapnia using quantitative perfusion MRI at 3T. <i>NMR in Biomedicine</i> , 2008, 21, 464-472.	1.6	56
190	MR measurement of blood flow in the parotid gland without contrast medium: a functional study before and after gustatory stimulation. <i>NMR in Biomedicine</i> , 2008, 21, 598-605.	1.6	19
191	Layer-specific anatomical, physiological and functional MRI of the retina. <i>NMR in Biomedicine</i> , 2008, 21, 978-996.	1.6	54
192	Noninvasive measurement of the cerebral blood flow response in human lateral geniculate nucleus with arterial spin labeling fMRI. <i>Human Brain Mapping</i> , 2008, 29, 1207-1214.	1.9	10
193	Validation study of a pulsed arterial spin labeling technique by comparison to perfusion computed tomography. <i>Magnetic Resonance Imaging</i> , 2008, 26, 543-553.	1.0	31
194	Model-free arterial spin labelling for cerebral blood flow quantification: introduction of regional arterial input functions identified by factor analysis. <i>Magnetic Resonance Imaging</i> , 2008, 26, 554-559.	1.0	4
195	Usefulness of pulsed arterial spin labeling MR imaging in mesial temporal lobe epilepsy. <i>Epilepsy Research</i> , 2008, 82, 183-189.	0.8	73
196	SNR and functional sensitivity of BOLD and perfusion-based fMRI using arterial spin labeling with spiral SENSE at 3 T. <i>Magnetic Resonance Imaging</i> , 2008, 26, 513-522.	1.0	27
197	Arterial Spin-Labeling in Routine Clinical Practice, Part 1: Technique and Artifacts. <i>American Journal of Neuroradiology</i> , 2008, 29, 1228-1234.	1.2	269
199	Regional cerebral blood flow during acute hypoxia in individuals susceptible to acute mountain sickness. <i>Respiratory Physiology and Neurobiology</i> , 2008, 160, 267-276.	0.7	30
200	Quantification of pain-induced changes in cerebral blood flow by perfusion MRI. <i>Pain</i> , 2008, 136, 85-96.	2.0	70
201	A flow sensitive alternating inversion recovery (FAIR)-MRI protocol to measure hemispheric cerebral blood flow in a mouse stroke model. <i>Experimental Neurology</i> , 2008, 210, 118-127.	2.0	36
202	Caffeine-induced uncoupling of cerebral blood flow and oxygen metabolism: A calibrated BOLD fMRI study. <i>NeuroImage</i> , 2008, 40, 237-247.	2.1	148
203	Regional differences in the coupling of cerebral blood flow and oxygen metabolism changes in response to activation: Implications for BOLD-fMRI. <i>NeuroImage</i> , 2008, 39, 1510-1521.	2.1	143
204	Calibrated fMRI in the medial temporal lobe during a memory-encoding task. <i>NeuroImage</i> , 2008, 40, 1495-1502.	2.1	32
205	Caffeine reduces the activation extent and contrast-to-noise ratio of the functional cerebral blood flow response but not the BOLD response. <i>NeuroImage</i> , 2008, 42, 296-305.	2.1	54

#	ARTICLE	IF	CITATIONS
206	Pulsed arterial spin labeling applications in brain tumors: Practical review. Journal of Neuroradiology, 2008, 35, 79-89.	0.6	42
207	Cerebral Blood Flow Measurement Using fMRI and PET: A Cross-Validation Study. International Journal of Biomedical Imaging, 2008, 2008, 1-12.	3.0	51
208	Effect of Cerebrovascular Risk Factors on Regional Cerebral Blood Flow. Radiology, 2008, 246, 198-204.	3.6	26
209	BOLD-Perfusion Coupling during Monocular and Binocular Stimulation. International Journal of Biomedical Imaging, 2008, 2008, 1-6.	3.0	1
210	Arterial spin labeling in stroke. , 0, , 215-235.		0
211	Imaging functional activity. , 0, , 101-116.		0
212	Artifacts and pitfalls in perfusion MR imaging. , 0, , 137-155.		2
213	Methodologies, practicalities and pitfalls in functional MR imaging. , 0, , 156-168.		0
214	Arterial spin labeling techniques. , 0, , 307-338.		0
215	Semantic Context and Visual Feature Effects in Object Naming: An fMRI Study using Arterial Spin Labeling. Journal of Cognitive Neuroscience, 2009, 21, 1571-1583.	1.1	42
216	Does Arterial Spin-labeling MR Imagingâ€œmeasured Tumor Perfusion Correlate with Renal Cell Cancer Response to Antiangiogenic Therapy in a Mouse Model?. Radiology, 2009, 251, 731-742.	3.6	111
217	Performance Effects of Nicotine during Selective Attention, Divided Attention, and Simple Stimulus Detection: An fMRI Study. Cerebral Cortex, 2009, 19, 1990-2000.	1.6	79
218	Physiological Modulations in Arterial Spin Labeling Perfusion Magnetic Resonance Imaging. IEEE Transactions on Medical Imaging, 2009, 28, 703-709.	5.4	42
219	Modeling the Effects of Flow Dispersion in Arterial Spin Labeling. IEEE Transactions on Biomedical Engineering, 2009, 56, 1635-1643.	2.5	16
220	The effect of daily caffeine use on cerebral blood flow: How much caffeine can we tolerate?. Human Brain Mapping, 2009, 30, 3102-3114.	1.9	150
221	Magnetic resonance imaging as a biomarker in renal cell carcinoma. Cancer, 2009, 115, 2334-2345.	2.0	77
222	A fast, effective filtering method for improving clinical pulsed arterial spin labeling MRI. Journal of Magnetic Resonance Imaging, 2009, 29, 1134-1139.	1.9	64
223	Measurement of deep gray matter perfusion using a segmented trueâ€œfast imaging with steadyâ€œstate precession (Trueâ€œFISP) arterial spinâ€œlabeling (ASL) method at 3T. Journal of Magnetic Resonance Imaging, 2009, 29, 1425-1431.	1.9	14

#	ARTICLE	IF	CITATIONS
224	Implementation of quantitative perfusion imaging using pulsed arterial spin labeling at ultra-high field. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 874-882.	1.9	48
225	Comparison of hypercapnia-based calibration techniques for measurement of cerebral oxygen metabolism with MRI. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 391-398.	1.9	57
226	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, 686-695.	1.9	21
227	Characterizing pulmonary blood flow distribution measured using arterial spin labeling. <i>NMR in Biomedicine</i> , 2009, 22, 1025-1035.	1.6	45
228	Magnetic resonance imaging of the retina. <i>Japanese Journal of Ophthalmology</i> , 2009, 53, 352-367.	0.9	29
229	Age-Related Increase in Cross-Sensory Noise in Resting and Steady-State Cerebral Perfusion. <i>Brain Topography</i> , 2009, 21, 241-251.	0.8	27
230	Pancreatic perfusion of healthy individuals and type 1 diabetic patients as assessed by magnetic resonance perfusion imaging. <i>Diabetologia</i> , 2009, 52, 1561-1565.	2.9	22
232	Neural activity-induced modulation of BOLD poststimulus undershoot independent of the positive signal. <i>Magnetic Resonance Imaging</i> , 2009, 27, 1030-1038.	1.0	37
233	Comparison of pulsed arterial spin labeling encoding schemes and absolute perfusion quantification. <i>Magnetic Resonance Imaging</i> , 2009, 27, 1039-1045.	1.0	72
234	Brain tumor perfusion: Comparison of dynamic contrast enhanced magnetic resonance imaging using T1, T2, and contrast, pulsed arterial spin labeling, and H215O positron emission tomography. <i>European Journal of Radiology</i> , 2009, 70, 465-474.	1.2	75
235	Differential age effects on cerebral blood flow and BOLD response to encoding: Associations with cognition and stroke risk. <i>Neurobiology of Aging</i> , 2009, 30, 1276-1287.	1.5	82
236	Cerebral perfusion and oxygenation differences in Alzheimer's disease risk. <i>Neurobiology of Aging</i> , 2009, 30, 1737-1748.	1.5	171
237	Current trends and challenges in MRI acquisitions to investigate brain function. <i>International Journal of Psychophysiology</i> , 2009, 73, 33-42.	0.5	26
238	Variational Bayesian Inference for a Nonlinear Forward Model. <i>IEEE Transactions on Signal Processing</i> , 2009, 57, 223-236.	3.2	333
239	Neuroimaging of Pediatric Brain Tumors: From Basic to Advanced Magnetic Resonance Imaging (MRI). <i>Journal of Child Neurology</i> , 2009, 24, 1343-1365.	0.7	102
240	Inter-subject variability in hypercapnic normalization of the BOLD fMRI response. <i>NeuroImage</i> , 2009, 45, 420-430.	2.1	50
241	Caffeine reduces resting-state BOLD functional connectivity in the motor cortex. <i>NeuroImage</i> , 2009, 46, 56-63.	2.1	69
242	Quantitative fMRI using hyperoxia calibration: Reproducibility during a cognitive Stroop task. <i>NeuroImage</i> , 2009, 47, 573-580.	2.1	25

#	ARTICLE	IF	CITATIONS
243	Continuous performance of a novel motor sequence leads to highly correlated striatal and hippocampal perfusion increases. <i>NeuroImage</i> , 2009, 47, 1797-1808.	2.1	79
244	Static and dynamic characteristics of cerebral blood flow during the resting state. <i>NeuroImage</i> , 2009, 48, 515-524.	2.1	175
245	Cerebral blood flow in ischemic vascular dementia and Alzheimer's disease, measured by arterial spin-labeling magnetic resonance imaging. <i>Alzheimer's and Dementia</i> , 2009, 5, 454-462.	0.4	163
248	Arterial spin-labeled perfusion MRI in basic and clinical neuroscience. <i>Current Opinion in Neurology</i> , 2009, 22, 348-355.	1.8	188
249	Biopsy Targeting Gliomas. <i>Investigative Radiology</i> , 2010, 45, 755-768.	3.5	57
250	Hemodynamic Studies of Intracranial Dural Arteriovenous Fistulas Using Arterial Spin-Labeling MR Imaging. <i>Interventional Neuroradiology</i> , 2010, 16, 409-419.	0.7	15
251	Flow measurement in MRI using arterial spin labeling with cumulative readout pulses—Theory and validation. <i>Medical Physics</i> , 2010, 37, 5801-5810.	1.6	9
252	Magnetic resonance perfusion imaging without contrast media. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 52-64.	3.3	47
253	Measurement of relative cerebral blood volume using BOLD contrast and mild hypoxic hypoxia. <i>Magnetic Resonance Imaging</i> , 2010, 28, 1129-1134.	1.0	6
254	Denoising of arterial spin labeling data: wavelet-domain filtering compared with Gaussian smoothing. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2010, 23, 125-137.	1.1	33
255	Basic Principles and Concepts Underlying Recent Advances in Magnetic Resonance Imaging of the Developing Brain. <i>Seminars in Perinatology</i> , 2010, 34, 3-19.	1.1	32
256	Using perfusion MRI to measure the dynamic changes in neural activation associated with tonic muscular pain. <i>Pain</i> , 2010, 148, 375-386.	2.0	69
257	What is the value of human fMRI in CNS drug development?. <i>Drug Discovery Today</i> , 2010, 15, 973-980.	3.2	39
258	Arterial spin labeling at ultra-high field: All that glitters is not gold. <i>International Journal of Imaging Systems and Technology</i> , 2010, 20, 62-70.	2.7	30
259	Arterial transit time effects in pulsed arterial spin labeling CBF mapping: Insight from a PET and MR study in normal human subjects. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 374-384.	1.9	58
260	Assessment of arterial arrival times derived from multiple inversion time pulsed arterial spin labeling MRI. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 641-647.	1.9	109
261	Separation of macrovascular signal in multi-inversion time arterial spin labelling MRI. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1357-1365.	1.9	101
262	Real-time adaptive sequential design for optimal acquisition of arterial spin labeling MRI data. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 203-210.	1.9	14

#	ARTICLE	IF	CITATIONS
263	Precise control of end-tidal carbon dioxide and oxygen improves BOLD and ASL cerebrovascular reactivity measures. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 749-756.	1.9	71
264	Multiphase pseudocontinuous arterial spin labeling (MP-PCASL) for robust quantification of cerebral blood flow. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 799-810.	1.9	90
265	Accurate, localized quantification of white matter perfusion with single-voxel ASL. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1109-1113.	1.9	14
266	Improved renal perfusion measurement with a dual navigator-gated Q2TIPS fair technique. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1352-1359.	1.9	17
267	High-field continuous arterial spin labeling with long labeling duration: Reduced confounds from blood transit time and postlabeling delay. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1557-1566.	1.9	10
268	Perfusion in rat brain at 7 T with arterial spin labeling using FAIR-TrueFISP and QUIPSS. <i>Magnetic Resonance Imaging</i> , 2010, 28, 607-612.	1.0	8
269	Absolute quantification of cerebral blood flow: correlation between dynamic susceptibility contrast MRI and model-free arterial spin labeling. <i>Magnetic Resonance Imaging</i> , 2010, 28, 1-7.	1.0	42
270	Acute Ethanol Effects on Brain Activation in Low- and High-Level Responders to Alcohol. <i>Alcoholism: Clinical and Experimental Research</i> , 2010, 34, 1162-1170.	1.4	30
271	Arterial Spin Labeling Perfusion MRI at Multiple Delay Times: A Correlative Study with $H_{2}^{15}O$ Positron Emission Tomography in Patients with Symptomatic Carotid Artery Occlusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 222-229.	2.4	117
272	A cognitive training intervention increases resting cerebral blood flow in healthy older adults. <i>Frontiers in Human Neuroscience</i> , 2010, 4, 16.	1.0	109
273	Using network science to evaluate exercise-associated brain changes in older adults. <i>Frontiers in Aging Neuroscience</i> , 2010, 2, 23.	1.7	223
274	Quantification Issues in Arterial Spin Labeling Perfusion Magnetic Resonance Imaging. <i>Topics in Magnetic Resonance Imaging</i> , 2010, 21, 65-73.	0.7	63
275	HIV Infection and Aging Independently Affect Brain Function as Measured by Functional Magnetic Resonance Imaging. <i>Journal of Infectious Diseases</i> , 2010, 201, 336-340.	1.9	145
276	Assessment of Vascular Supply of Hypervascular Extra-Axial Brain Tumors with 3T MR Regional Perfusion Imaging. <i>American Journal of Neuroradiology</i> , 2010, 31, 554-558.	1.2	17
277	Combined Use of Pulsed Arterial Spin-Labeling and Susceptibility-Weighted Imaging in Stroke at 3T. <i>European Neurology</i> , 2010, 64, 286-296.	0.6	73
278	Measurement of cerebral perfusion using MRI. <i>Imaging in Medicine</i> , 2010, 2, 41-61.	0.0	3
279	An arterial spin labeling investigation of cerebral blood flow deficits in chronic stroke survivors. <i>NeuroImage</i> , 2010, 51, 995-1005.	2.1	62
280	Diffusion tensor and perfusion MRI of non-human primates. <i>Methods</i> , 2010, 50, 125-135.	1.9	16

#	ARTICLE	IF	CITATIONS
281	Measuring arterial and tissue responses to functional challenges using arterial spin labeling. <i>NeuroImage</i> , 2010, 49, 478-487.	2.1	15
282	The QUASAR reproducibility study, Part II: Results from a multi-center Arterial Spin Labeling test-retest study. <i>NeuroImage</i> , 2010, 49, 104-113.	2.1	223
283	Caffeine increases the linearity of the visual BOLD response. <i>NeuroImage</i> , 2010, 49, 2311-2317.	2.1	12
284	Arterial Spin Label Imaging of Acute Ischemic Stroke and Transient Ischemic Attack. <i>Neuroimaging Clinics of North America</i> , 2011, 21, 285-301.	0.5	61
285	New and emerging imaging techniques for mapping brain circuitry. <i>Brain Research Reviews</i> , 2011, 67, 226-251.	9.1	25
286	Pseudocontinuous arterial spin labeling perfusion magnetic resonance imaging—A normative study of reproducibility in the human brain. <i>NeuroImage</i> , 2011, 56, 1244-1250.	2.1	49
287	Prospects for quantitative fMRI: Investigating the effects of caffeine on baseline oxygen metabolism and the response to a visual stimulus in humans. <i>NeuroImage</i> , 2011, 57, 809-816.	2.1	73
288	Regional reproducibility of pulsed arterial spin labeling perfusion imaging at 3T. <i>NeuroImage</i> , 2011, 54, 1188-1195.	2.1	79
289	Improved fMRI calibration: Precisely controlled hyperoxic versus hypercapnic stimuli. <i>NeuroImage</i> , 2011, 54, 1102-1111.	2.1	71
290	Age-associated reductions in cerebral blood flow are independent from regional atrophy. <i>NeuroImage</i> , 2011, 55, 468-478.	2.1	309
291	Brain Imaging in Behavioral Medicine and Clinical Neuroscience. , 2011, , .		7
294	Effects of alcohol intoxication and gender on cerebral perfusion: an arterial spin labeling study. <i>Alcohol</i> , 2011, 45, 725-737.	0.8	37
295	Acute effect of a high nitrate diet on brain perfusion in older adults. <i>Nitric Oxide - Biology and Chemistry</i> , 2011, 24, 34-42.	1.2	188
296	Magnetic resonance imaging of the retina: A brief historical and future perspective. <i>Saudi Journal of Ophthalmology</i> , 2011, 25, 137-143.	0.3	11
297	Principles and Technical Aspects of Perfusion Magnetic Resonance Imaging. <i>Journal of the Korean Society of Magnetic Resonance in Medicine</i> , 2011, 15, 91.	0.1	6
298	Arterial Spin Labeling Perfusion MRI in Alzheimers Disease. <i>Current Medical Imaging</i> , 2011, 7, 62-72.	0.4	3
299	Applications of Arterial Spin Labelling in Mild Cognitive Impairment, Alzheimers Disease and Other Forms of Dementia. <i>Current Medical Imaging</i> , 2011, 7, 73-79.	0.4	0
300	Echo-Time and Field Strength Dependence of BOLD Reactivity in Veins and Parenchyma Using Flow-Normalized Hypercapnic Manipulation. <i>PLoS ONE</i> , 2011, 6, e24519.	1.1	19

#	ARTICLE	IF	CITATIONS
301	Challenges for Non-Invasive Brain Perfusion Quantification Using Arterial Spin Labeling. <i>Neuroradiology Journal</i> , 2011, 24, 77-83.	0.6	1
302	Effects on resting cerebral blood flow and functional connectivity induced by metoclopramide: a perfusion MRI study in healthy volunteers. <i>British Journal of Pharmacology</i> , 2011, 163, 1639-1652.	2.7	43
303	Alcohol Effects on Cerebral Blood Flow in Subjects With Low and High Responses to Alcohol. <i>Alcoholism: Clinical and Experimental Research</i> , 2011, 35, 1034-1040.	1.4	56
304	Quantification of Cerebral Blood Flow as Biomarker of Drug Effect: Arterial Spin Labeling phMRI After a Single Dose of Oral Citalopram. <i>Clinical Pharmacology and Therapeutics</i> , 2011, 89, 251-258.	2.3	59
305	Similarities and Differences in Arterial Responses to Hypercapnia and Visual Stimulation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 560-571.	2.4	29
306	Intra- and Multicenter Reproducibility of Pulsed, Continuous and Pseudo-Continuous Arterial Spin Labeling Methods for Measuring Cerebral Perfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1706-1715.	2.4	127
307	Pulsed arterial spin labeling perfusion imaging at 3 T: estimating the number of subjects required in common designs of clinical trials. <i>Magnetic Resonance Imaging</i> , 2011, 29, 1382-1389.	1.0	30
308	Resting quantitative cerebral blood flow in schizophrenia measured by pulsed arterial spin labeling perfusion MRI. <i>Psychiatry Research - Neuroimaging</i> , 2011, 194, 64-72.	0.9	106
309	Test-retest reliability of arterial spin labeling with common labeling strategies. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 940-949.	1.9	214
310	Correcting for the echo-time effect after measuring the cerebral blood flow by arterial spin labeling. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 785-790.	1.9	4
311	Improved quantification of brain perfusion using FAIR with active suppression of superior tagging (FAIR ASST). <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 1037-1044.	1.9	4
312	Pseudo-continuous transfer insensitive labeling technique. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 768-776.	1.9	8
313	Response of mouse brain perfusion to hypo- and hyperventilation measured by arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 802-811.	1.9	10
314	Hippocampal Dysfunction in Gulf War Veterans: Investigation with ASL Perfusion MR Imaging and Physostigmine Challenge. <i>Radiology</i> , 2011, 261, 218-225.	3.6	54
315	Quantitative Blood Flow Measurements in Gliomas Using Arterial Spin-Labeling at 3T: Intermodality Agreement and Inter- and Intraobserver Reproducibility Study. <i>American Journal of Neuroradiology</i> , 2011, 32, 2073-2079.	1.2	59
316	Pregabalin Influences Insula and Amygdala Activation During Anticipation of Emotional Images. <i>Neuropsychopharmacology</i> , 2011, 36, 1466-1477.	2.8	52
317	Indication of BOLD-Specific Venous Flow-Volume Changes from Precisely Controlled Hyperoxic vs. Hypercapnic Calibration. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 709-719.	2.4	25
318	Simultaneous CBF and BOLD mapping of high frequency acupuncture induced brain activity. <i>Neuroscience Letters</i> , 2012, 530, 12-17.	1.0	16

#	ARTICLE	IF	CITATIONS
319	3D GRASE arterial spin labelling reveals an inverse correlation of cortical perfusion with the white matter lesion volume in MS. <i>Multiple Sclerosis Journal</i> , 2012, 18, 1570-1576.	1.4	29
320	T2* and PASL based perfusion mapping at 3 Tesla: influence of oxygen ventilation on cerebral autoregulation. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 1347-1352.	1.9	16
321	Attention strongly increases oxygen metabolic response to stimulus in primary visual cortex. <i>NeuroImage</i> , 2012, 59, 601-607.	2.1	37
322	Calibrated fMRI during a cognitive Stroop task reveals reduced metabolic response with increasing age. <i>NeuroImage</i> , 2012, 59, 1143-1151.	2.1	73
323	Complex relationships between cerebral blood flow and brain atrophy in early Huntington's disease. <i>NeuroImage</i> , 2012, 59, 1043-1051.	2.1	52
324	Caffeine increases the temporal variability of resting-state BOLD connectivity in the motor cortex. <i>NeuroImage</i> , 2012, 59, 2994-3002.	2.1	56
325	Retinotopic maps and hemodynamic delays in the human visual cortex measured using arterial spin labeling. <i>NeuroImage</i> , 2012, 59, 4044-4054.	2.1	20
326	Quantitative measurement of cerebral physiology using respiratory-calibrated MRI. <i>NeuroImage</i> , 2012, 60, 582-591.	2.1	189
327	Early development of arterial spin labeling to measure regional brain blood flow by MRI. <i>NeuroImage</i> , 2012, 62, 602-607.	2.1	35
328	A review of the development of Vascular-Space-Occupancy (VASO) fMRI. <i>NeuroImage</i> , 2012, 62, 736-742.	2.1	44
329	Perfusion MR imaging: Evolution from initial development to functional studies. <i>NeuroImage</i> , 2012, 62, 672-675.	2.1	5
330	The development and future of perfusion fMRI for dynamic imaging of human brain activity. <i>NeuroImage</i> , 2012, 62, 1279-1285.	2.1	18
331	Separating neural and vascular effects of caffeine using simultaneous EEG-fMRI: Differential effects of caffeine on cognitive and sensorimotor brain responses. <i>NeuroImage</i> , 2012, 62, 239-249.	2.1	55
332	Origins of intersubject variability of blood oxygenation level dependent and arterial spin labeling fMRI: implications for quantification of brain activity. <i>Magnetic Resonance Imaging</i> , 2012, 30, 1394-1400.	1.0	7
333	A comparative study between arterial spin labeling and CT perfusion methods on hepatic portal venous flow. <i>Japanese Journal of Radiology</i> , 2012, 30, 863-869.	1.0	18
334	Functional Neuroimaging in Exercise and Sport Sciences. , 2012, , .		17
335	Frontal GABA Levels Change during Working Memory. <i>PLoS ONE</i> , 2012, 7, e31933.	1.1	108
336	Altered cerebral blood flow and neurocognitive correlates in adolescent cannabis users. <i>Psychopharmacology</i> , 2012, 222, 675-684.	1.5	65

#	ARTICLE	IF	CITATIONS
337	Measuring the neural response to continuous intramuscular infusion of hypertonic saline by perfusion MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 669-677.	1.9	17
338	Feasibility study of exploring a T ₁ -weighted dynamic contrast-enhanced MR approach for brain perfusion imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 1322-1331.	1.9	8
339	Applications of arterial spin labeled MRI in the brain. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 1026-1037.	1.9	272
340	CBF measurements using multidelay pseudocontinuous and velocity-selective arterial spin labeling in patients with long arterial transit delays: Comparison with xenon CT CBF. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 110-119.	1.9	78
341	Comparison of pulsed and pseudocontinuous arterial spin labeling for measuring CO ₂ -induced cerebrovascular reactivity. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 312-321.	1.9	30
342	QUIPSS II with window-sliding saturation sequence (Q2WISE). <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1127-1132.	1.9	6
343	Pseudo-continuous arterial spin labeling at very high magnetic field (11.75 T) for high-resolution mouse brain perfusion imaging. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1225-1236.	1.9	21
344	Reduced resolution transit delay prescan for quantitative continuous arterial spin labeling perfusion imaging. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1252-1265.	1.9	146
345	Absolute cerebral blood flow quantification with pulsed arterial spin labeling during hyperoxia corrected with the simultaneous measurement of the longitudinal relaxation time of arterial blood. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1556-1565.	1.9	27
346	Quantification of arterial cerebral blood volume using multiphase-balanced SSFP-based ASL. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 130-139.	1.9	24
347	Simultaneous measurement of cerebral blood flow and transit time with turbo dynamic arterial spin labeling (Turbo-DASL): Application to functional studies. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 762-771.	1.9	9
348	Venous oxygenation mapping using velocity-selective excitation and arterial nulling. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1458-1471.	1.9	62
349	Effect of Mild Cognitive Impairment and APOE Genotype on Resting Cerebral Blood Flow and its Association with Cognition. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 1589-1599.	2.4	65
350	Comparison of arterial transit times estimated using arterial spin labeling. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 135-144.	1.1	33
351	Magnetisation transfer effects of Q2TIPS pulses in ASL. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 113-126.	1.1	6
352	Repeatability of renal arterial spin labelling MRI in healthy subjects. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 145-153.	1.1	45
353	Arterial spin labeling: its time is now. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 75-77.	1.1	6
354	fMRI Differences Between Subjects with Low and High Responses to Alcohol During a Stop Signal Task. <i>Alcoholism: Clinical and Experimental Research</i> , 2012, 36, 130-140.	1.4	43

#	ARTICLE	IF	CITATIONS
355	Arterial spin labeling fMRI measurements of decreased blood flow in primary visual cortex correlates with decreased visual function in human glaucoma. <i>Vision Research</i> , 2012, 60, 51-60.	0.7	30
356	Individual variability in the shape and amplitude of the BOLD-HRF correlates with endogenous GABAergic inhibition. <i>Human Brain Mapping</i> , 2012, 33, 455-465.	1.9	109
357	Comparison of relative cerebral blood flow maps using pseudo-continuous arterial spin labeling and single photon emission computed tomography. <i>NMR in Biomedicine</i> , 2012, 25, 779-786.	1.6	25
358	Transmembrane dynamics of water exchange in human brain. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 562-571.	1.9	24
359	Arterial spin-labeling magnetic resonance imaging: the timing of regional maximal perfusion-related signal intensity revealed by a multiphase technique. <i>Japanese Journal of Radiology</i> , 2012, 30, 137-145.	1.0	6
360	Perfusion abnormalities in mild cognitive impairment and mild dementia in Alzheimer's disease measured by pulsed arterial spin labeling MRI. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2012, 262, 69-77.	1.8	103
361	Localization of the hand motor area by arterial spin labeling and blood oxygen level-dependent functional magnetic resonance imaging. <i>Human Brain Mapping</i> , 2013, 34, 96-108.	1.9	21
362	Pseudo-continuous arterial spin labeling at 7 T for human brain: Estimation and correction for off-resonance effects using a Prescan. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 402-410.	1.9	42
363	Regional effects of magnetization dispersion on quantitative perfusion imaging for pulsed and continuous arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 524-530.	1.9	9
364	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, 832-838.	1.9	29
365	Volumetric measurement of perfusion and arterial transit delay using hadamard encoded continuous arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1014-1022.	1.9	86
366	Comparing model-based and model-free analysis methods for QUASAR arterial spin labeling perfusion quantification. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1466-1475.	1.9	17
367	Per-subject characterization of bolus width in pulsed arterial spin labeling using bolus turbo sampling. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1677-1682.	1.9	6
368	Long-duration transcutaneous electric acupoint stimulation alters small-world brain functional networks. <i>Magnetic Resonance Imaging</i> , 2013, 31, 1105-1111.	1.0	17
369	Role of MRI perfusion in improving the treatment of brain tumors. <i>Imaging in Medicine</i> , 2013, 5, 407-426.	0.0	9
370	Distinct medial temporal contributions to different forms of recognition in amnesic mild cognitive impairment and Alzheimer's disease. <i>Neuropsychologia</i> , 2013, 51, 2450-2461.	0.7	40
371	MR Perfusion Imaging. <i>Medical Radiology</i> , 2013, , 75-98.	0.0	2
372	Anteroposterior perfusion heterogeneity in human hippocampus measured by arterial spin labeling MRI. <i>NMR in Biomedicine</i> , 2013, 26, 613-621.	1.6	12

#	ARTICLE	IF	CITATIONS
374	Arterial spin labeling (ASL) perfusion: Techniques and clinical use. Diagnostic and Interventional Imaging, 2013, 94, 1211-1223.	1.8	104
375	Measurement of OEF and absolute CMRO2: MRI-based methods using interleaved and combined hypercapnia and hyperoxia. NeuroImage, 2013, 83, 135-147.	2.1	133
376	Quantitative cerebral blood flow mapping and functional connectivity of postherpetic neuralgia pain: A perfusion fMRI study. Pain, 2013, 154, 110-118.	2.0	83
377	Coupling of cerebral blood flow and oxygen metabolism is conserved for chromatic and luminance stimuli in human visual cortex. NeuroImage, 2013, 68, 221-228.	2.1	12
378	Arterial Spin Labeling Magnetic Resonance Imaging. PET Clinics, 2013, 8, 295-309.	1.5	1
379	Sustained high-altitude hypoxia increases cerebral oxygen metabolism. Journal of Applied Physiology, 2013, 114, 11-18.	1.2	31
380	Magnetic Resonance Imaging as a Tool for Modeling Drug Treatment of CNS Disorders. , 2013, , 23-57.		2
381	The Effect of Black Tea and Caffeine on Regional Cerebral Blood Flow Measured with Arterial Spin Labeling. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 963-968.	2.4	46
382	Patient-specific detection of perfusion abnormalities combining within-subject and between-subject variances in Arterial Spin Labeling. NeuroImage, 2013, 81, 121-130.	2.1	9
383	Amygdala functional connectivity is reduced after the cold pressor task. Cognitive, Affective and Behavioral Neuroscience, 2013, 13, 501-518.	1.0	29
384	Luminance contrast of a visual stimulus modulates the BOLD response more than the cerebral blood flow response in the human brain. NeuroImage, 2013, 64, 104-111.	2.1	33
385	Interaction of Age and APOE Genotype on Cerebral Blood Flow at Rest. Journal of Alzheimer's Disease, 2013, 34, 921-935.	1.2	92
386	The physics of functional magnetic resonance imaging (fMRI). Reports on Progress in Physics, 2013, 76, 096601.	8.1	165
387	Blood oxygenation levelâ€dependent (BOLD)â€based techniques for the quantification of brain hemodynamic and metabolic properties â€ theoretical models and experimental approaches. NMR in Biomedicine, 2013, 26, 963-986.	1.6	116
388	A review of calibrated blood oxygenation levelâ€dependent (BOLD) methods for the measurement of taskâ€induced changes in brain oxygen metabolism. NMR in Biomedicine, 2013, 26, 987-1003.	1.6	130
389	Effect of Delayed Transit Time on Arterial Spin Labeling. Investigative Radiology, 2013, 48, 795-802.	3.5	28
390	Timing dependence of peripheral pulseâ€waveâ€triggered pulsed arterial spin labeling. NMR in Biomedicine, 2013, 26, 1527-1533.	1.6	4
391	New developments in arterial spin labeling pulse sequences. NMR in Biomedicine, 2013, 26, 887-891.	1.6	18

#	ARTICLE	IF	CITATIONS
392	Optimizing pTILT perfusion imaging in the presence of off-resonance frequency. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 210-216.	1.9	1
393	Cerebral blood flow response to acute hypoxic hypoxia. <i>NMR in Biomedicine</i> , 2013, 26, 1844-1852.	1.6	33
394	Predicting a multi-parametric probability map of active tumor extent using random forests. , 2013, 2013, 6478-81.		7
395	The adverse effects of reduced cerebral perfusion on cognition and brain structure in older adults with cardiovascular disease. <i>Brain and Behavior</i> , 2013, 3, 626-636.	1.0	86
396	Cerebral blood flow quantification in swine using pseudo-continuous arterial spin labeling. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 1111-1118.	1.9	4
397	Pain response measured with arterial spin labeling. <i>NMR in Biomedicine</i> , 2013, 26, 664-673.	1.6	24
398	Arterial spin labeling with simultaneous multi-slice echo planar imaging. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 1500-1506.	1.9	46
399	Arterial spin labeling-MRI: acquisition and analysis techniques. , 2013, , 38-57.		3
400	Imaging of flow: basic principles. , 2013, , 1-15.		1
401	Whole brain perfusion measurements using arterial spin labeling with multiband acquisition. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 1653-1661.	1.9	34
402	Optimal Individual Inversion Time in Brain Arterial Spin Labeling Perfusion Magnetic Resonance Imaging. <i>Journal of Computer Assisted Tomography</i> , 2013, 37, 247-251.	0.5	3
403	Quantitative Renal Perfusion Measurements in a Rat Model of Acute Kidney Injury at 3T: Testing Inter- and Intramethodical Significance of ASL and DCE-MRI. <i>PLoS ONE</i> , 2013, 8, e53849.	1.1	54
404	A Novel Method of Combining Blood Oxygenation and Blood Flow Sensitive Magnetic Resonance Imaging Techniques to Measure the Cerebral Blood Flow and Oxygen Metabolism Responses to an Unknown Neural Stimulus. <i>PLoS ONE</i> , 2013, 8, e54816.	1.1	9
405	The Time of Maximum Post-Ischemic Hyperperfusion Indicates Infarct Growth Following Transient Experimental Ischemia. <i>PLoS ONE</i> , 2013, 8, e65322.	1.1	23
406	Loss of Sustained Activity in the Ventromedial Prefrontal Cortex in Response to Repeated Stress in Individuals with Early-Life Emotional Abuse: Implications for Depression Vulnerability. <i>Frontiers in Psychology</i> , 2013, 4, 320.	1.1	26
407	The Cerebral Blood Flow Biomedical Informatics Research Network (CBFBIRN) database and analysis pipeline for arterial spin labeling MRI data. <i>Frontiers in Neuroinformatics</i> , 2013, 7, 21.	1.3	20
408	Perfusion Magnetic Resonance Imaging: A Comprehensive Update on Principles and Techniques. <i>Korean Journal of Radiology</i> , 2014, 15, 554.	1.5	177
409	Prognostic Value of Blood Flow Measurements Using Arterial Spin Labeling in Gliomas. <i>PLoS ONE</i> , 2014, 9, e99616.	1.1	31

#	ARTICLE	IF	CITATIONS
410	Age-related differences in cerebral blood flow underlie the BOLD fMRI signal in childhood. <i>Frontiers in Psychology</i> , 2014, 5, 300.	1.1	30
411	Perfusion Based Functional MRI. , 0, , .		0
412	Quantifying Cerebellum Grey Matter and White Matter Perfusion Using Pulsed Arterial Spin Labeling. <i>BioMed Research International</i> , 2014, 2014, 1-12.	0.9	7
413	Perfusion Imaging and Hyperpolarized Agents for MRI. , 2014, , 37-53.		0
414	Three-dimensional acquisition of cerebral blood volume and flow responses during functional stimulation in a single scan. <i>NeuroImage</i> , 2014, 103, 533-541.	2.1	4
415	Regional Reliability of Quantitative Signal Targeting with Alternating Radiofrequency (STAR) Labeling of Arterial Regions (QUASAR). <i>Journal of Neuroimaging</i> , 2014, 24, 554-561.	1.0	4
416	High-resolution mouse kidney perfusion imaging by pseudo-continuous arterial spin labeling at 11.75T. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1186-1196.	1.9	16
417	Measurement of brain perfusion in newborns: Pulsed arterial spin labeling (PASL) versus pseudo-continuous arterial spin labeling (pCASL). <i>NeuroImage: Clinical</i> , 2014, 6, 126-133.	1.4	38
418	Perfusion Imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 269-279.	1.9	12
419	Developmental changes in resting and functional cerebral blood flow and their relationship to the BOLD response. <i>Human Brain Mapping</i> , 2014, 35, 3188-3198.	1.9	17
420	Template-based approach for detecting motor task activation-related hyperperfusion in pulsed ASL data. <i>Human Brain Mapping</i> , 2014, 35, 1179-1189.	1.9	4
421	Relationship of regional cerebral blood flow and kinetic behaviour of O-(2-18F-fluoroethyl)-L-tyrosine uptake in cerebral gliomas. <i>Nuclear Medicine Communications</i> , 2014, 35, 245-251.	0.5	18
422	Associations among imaging measures (2): The association between gray matter concentration and task-induced activation changes. <i>Human Brain Mapping</i> , 2014, 35, 185-198.	1.9	23
423	In vivo Assessment of Human Brainstem Cerebrovascular Function: A Multi-Inversion Time Pulsed Arterial Spin Labelling Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 956-963.	2.4	5
424	An introduction to ASL labeling techniques. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 1-10.	1.9	76
425	Modeling magnetization transfer effects of Q2TIPS bolus saturation in multi-TI pulsed arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 1007-1014.	1.9	2
426	Nicotine and Non-Nicotine Smoking Factors Differentially Modulate Craving, Withdrawal and Cerebral Blood Flow as Measured with Arterial Spin Labeling. <i>Neuropsychopharmacology</i> , 2014, 39, 2750-2759.	2.8	22
427	3-Nitropropionic Acid-Induced Ischemia Tolerance in the Rat Brain is Mediated by Reduced Metabolic Activity and Cerebral Blood Flow. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1522-1530.	2.4	23

#	ARTICLE	IF	CITATIONS
428	Pre-clinical functional Magnetic Resonance Imaging part I: The kidney. Zeitschrift Fur Medizinische Physik, 2014, 24, 286-306.	0.6	11
429	A study on small-world brain functional networks altered by postherpetic neuralgia. Magnetic Resonance Imaging, 2014, 32, 359-365.	1.0	33
430	Investigation of the neurovascular coupling in positive and negative BOLD responses in human brain at 7T. NeuroImage, 2014, 97, 349-362.	2.1	101
431	Increased Hippocampal Blood Flow in Sedentary Older Adults at Genetic Risk for Alzheimer's Disease. Journal of Alzheimer's Disease, 2014, 41, 809-817.	1.2	33
432	Acceleration-selective arterial spin labeling. Magnetic Resonance in Medicine, 2014, 71, 191-199.	1.9	27
433	Estimation of single-kidney glomerular filtration rate without exogenous contrast agent. Magnetic Resonance in Medicine, 2014, 71, 257-266.	1.9	13
434	The Comprehensive Neuro-Oncology Data Repository (CONDR). Neurosurgery, 2014, 74, 88-98.	0.6	8
435	Acetazolamide during acute hypoxia improves tissue oxygenation in the human brain. Journal of Applied Physiology, 2015, 119, 1494-1500.	1.2	19
436	An optimized design to reduce eddy current sensitivity in velocity-selective arterial spin labeling using symmetric BIR-8 pulses. Magnetic Resonance in Medicine, 2015, 73, 1085-1094.	1.9	35
437	Increased SNR efficiency in velocity selective arterial spin labeling using multiple velocity selective saturation modules (mmVSASL). Magnetic Resonance in Medicine, 2015, 74, 694-705.	1.9	29
438	Measurement of vascular water transport in human subjects using time-resolved pulsed arterial spin labelling. NMR in Biomedicine, 2015, 28, 1059-1068.	1.6	6
439	Cerebral blood flow measurements in infants using look-locker arterial spin labeling. Journal of Magnetic Resonance Imaging, 2015, 41, 1591-1600.	1.9	25
440	Improved multislice perfusion imaging with velocity-selective arterial spin labeling. Journal of Magnetic Resonance Imaging, 2015, 41, 1422-1431.	1.9	4
441	Estimation of arterial arrival time and cerebral blood flow from QUASAR arterial spin labeling using stable spline. Magnetic Resonance in Medicine, 2015, 74, 1758-1767.	1.9	2
442	Injury and repair in perinatal brain injury: Insights from non-invasive MR perfusion imaging. Seminars in Perinatology, 2015, 39, 124-129.	1.1	15
443	A Method for Reducing the Effects of Motion Contamination in Arterial Spin Labeling Magnetic Resonance Imaging. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1697-1702.	2.4	21
444	Simultaneous acquisition of cerebral blood volume, blood flow, and blood oxygenation-weighted MRI signals at ultra-high magnetic field. Magnetic Resonance in Medicine, 2015, 74, 513-517.	1.9	9
445	Cerebrovascular reactivity measured with arterial spin labeling and blood oxygen level dependent techniques. Magnetic Resonance Imaging, 2015, 33, 566-576.	1.0	30

#	ARTICLE	IF	CITATIONS
446	Presurgical evaluation of mesial temporal lobe epilepsy with multiple advanced MR techniques at 3T. <i>Journal of Neuroradiology</i> , 2015, 42, 283-290.	0.6	17
447	Eyeblink Classical Conditioning. , 2015, , 635-641.		0
448	Positron Emission Tomography/Magnetic Resonance Hybrid Scanner Imaging of Cerebral Blood Flow Using ¹⁵ O-Water Positron Emission Tomography and Arterial Spin Labeling Magnetic Resonance Imaging in Newborn Piglets. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1703-1710.	2.4	14
449	Investigating white matter perfusion using optimal sampling strategy arterial spin labeling at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 2243-2248.	1.9	21
450	Recommended implementation of arterial spin-labeled perfusion MRI for clinical applications: A consensus of the ISMRM perfusion study group and the European consortium for ASL in dementia. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 102-116.	1.9	1,663
451	Elevated cerebrovascular resistance index is associated with cognitive dysfunction in the very-old. <i>Alzheimer's Research and Therapy</i> , 2015, 7, 3.	3.0	16
452	Reproducibility of multiphase pseudo-continuous arterial spin labeling and the effect of post-processing analysis methods. <i>NeuroImage</i> , 2015, 117, 191-201.	2.1	22
453	Calibrating the BOLD response without administering gases: Comparison of hypercapnia calibration with calibration using an asymmetric spin echo. <i>NeuroImage</i> , 2015, 104, 423-429.	2.1	39
454	Investigating the field-dependence of the Davis model: Calibrated fMRI at 1.5, 3 and 7 T. <i>NeuroImage</i> , 2015, 112, 189-196.	2.1	13
455	Multi-TI Arterial Spin Labeling MRI with Variable TR and Bolus Duration for Cerebral Blood Flow and Arterial Transit Time Mapping. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 1392-1402.	5.4	23
456	Eccentricity Mapping of the Human Visual Cortex to Evaluate Temporal Dynamics of Functional <i>T1</i> Mapping. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1213-1219.	2.4	11
457	Echo-Planar Imaging. , 2015, , 53-74.		6
458	Noninvasive Assessment of Arterial Compliance of Human Cerebral Arteries with Short Inversion Time Arterial Spin Labeling. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 461-468.	2.4	29
459	Perfusion Imaging with Arterial Spin Labeling MRI. , 2015, , 149-154.		2
460	Understanding the dynamic relationship between cerebral blood flow and the BOLD signal: Implications for quantitative functional MRI. <i>NeuroImage</i> , 2015, 116, 158-167.	2.1	34
461	State-of-the-art MRI techniques in neuroradiology: principles, pitfalls, and clinical applications. <i>Neuroradiology</i> , 2015, 57, 441-467.	1.1	69
462	3D GRASE Pulsed Arterial Spin Labeling at Multiple Inflow Times in Patients with Long Arterial Transit Times: Comparison with Dynamic Susceptibility-Weighted Contrast-Enhanced MRI at 3 Tesla. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 392-401.	2.4	43
463	Imaging of acute stroke: CT and/or MRI. <i>Journal of Neuroradiology</i> , 2015, 42, 55-64.	0.6	38

#	ARTICLE	IF	CITATIONS
464	The coupling of cerebral blood flow and oxygen metabolism with brain activation is similar for simple and complex stimuli in human primary visual cortex. <i>NeuroImage</i> , 2015, 104, 156-162.	2.1	11
465	Implication of cerebral circulation time in intracranial stenosis measured by digital subtraction angiography on cerebral blood flow estimation measured by arterial spin labeling. <i>Diagnostic and Interventional Radiology</i> , 2016, 22, 481-488.	0.7	6
466	Arterial spin labeling perfusion magnetic resonance imaging of non-human primates. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016, 6, 573-581.	1.1	6
467	6 Perfusion imagingarterial spin labeling (ASL)Arterial spin labeling (ASL)Perfusion Imaging: Arterial Spin Labeling. , 2016, , .		0
468	An actively decoupled dual transceiver coil system for continuous ASL at 7 T. <i>International Journal of Imaging Systems and Technology</i> , 2016, 26, 106-115.	2.7	3
469	Selective Arterial Spin Labeling. <i>Topics in Magnetic Resonance Imaging</i> , 2016, 25, 73-80.	0.7	7
470	Prior Consumption of a Fat Meal in Healthy Adults Modulates the Brain's Response to Fat. <i>Journal of Nutrition</i> , 2016, 146, 2187-2198.	1.3	20
471	The roadmap for estimation of cell-type-specific neuronal activity from non-invasive measurements. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150356.	1.8	41
472	Cerebral blood flow and autoregulation: current measurement techniques and prospects for noninvasive optical methods. <i>Neurophotonics</i> , 2016, 3, 031411.	1.7	245
473	Arterial Spin Labeling Perfusion of the Brain: Emerging Clinical Applications. <i>Radiology</i> , 2016, 281, 337-356.	3.6	360
474	Measurement of arteriolar blood volume in brain tumors using MRI without exogenous contrast agent administration at 7T. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 1244-1255.	1.9	13
475	A forward modelling approach for the estimation of oxygen extraction fraction by calibrated fMRI. <i>NeuroImage</i> , 2016, 139, 313-323.	2.1	31
476	An a contrario approach for the detection of patient-specific brain perfusion abnormalities with arterial spin labelling. <i>NeuroImage</i> , 2016, 134, 424-433.	2.1	8
477	Wedge-shaped slice-selective adiabatic inversion pulse for controlling temporal width of bolus in pulsed arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 838-847.	1.9	2
478	A novel Bayesian approach to accounting for uncertainty in fMRI-derived estimates of cerebral oxygen metabolism fluctuations. <i>NeuroImage</i> , 2016, 129, 198-213.	2.1	14
479	The major cerebral arteries proximal to the Circle of Willis contribute to cerebrovascular resistance in humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1384-1395.	2.4	36
481	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
482	The absolute CBF response to activation is preserved during elevated perfusion: Implications for neurovascular coupling measures. <i>NeuroImage</i> , 2016, 125, 198-207.	2.1	50

#	ARTICLE	IF	CITATIONS
483	Baseline oxygenation in the brain: Correlation between respiratory-calibration and susceptibility methods. <i>NeuroImage</i> , 2016, 125, 920-931.	2.1	35
484	Quantitative and functional pulsed arterial spin labeling in the human brain at 9.4‰t. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1054-1063.	1.9	23
485	Comparison of 3 T and 7 T ASL techniques for concurrent functional perfusion and BOLD studies. <i>NeuroImage</i> , 2017, 156, 363-376.	2.1	34
486	Resting state hypothalamic response to glucose predicts glucose-induced attenuation in the ventral striatal response to food cues. <i>Appetite</i> , 2017, 116, 464-470.	1.8	9
487	Reduced perfusion in Broca's area in developmental stuttering. <i>Human Brain Mapping</i> , 2017, 38, 1865-1874.	1.9	30
488	Neural predictors of emotional inertia in daily life. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 1448-1459.	1.5	23
489	Assessment of cerebral blood flow with magnetic resonance imaging in children with sickle cell disease: A quantitative comparison with transcranial Doppler ultrasonography. <i>Brain and Behavior</i> , 2017, 7, e00811.	1.0	12
491	Insight into the labeling mechanism of acceleration selective arterial spin labeling. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2017, 30, 165-174.	1.1	10
492	Evidence from high-altitude acclimatization for an integrated cerebrovascular and ventilatory hypercapnic response but different responses to hypoxia. <i>Journal of Applied Physiology</i> , 2017, 123, 1477-1486.	1.2	9
493	Quantitative measurement of cerebral blood volume using velocity-selective pulse trains. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 92-101.	1.9	22
494	Optimization of simultaneous multislice EPI for concurrent functional perfusion and BOLD signal measurements at 7T. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 121-129.	1.9	24
495	Noise concerns and post-processing procedures in cerebral blood flow (CBF) and cerebral blood volume (CBV) functional magnetic resonance imaging. <i>NeuroImage</i> , 2017, 154, 43-58.	2.1	16
496	Graded Hypercapnia-Calibrated BOLD: Beyond the Iso-metabolic Hypercapnic Assumption. <i>Frontiers in Neuroscience</i> , 2017, 11, 276.	1.4	20
497	Aberrant Cerebral Blood Flow in Response to Hunger and Satiety in Women Remitted from Anorexia Nervosa. <i>Frontiers in Nutrition</i> , 2017, 4, 32.	1.6	9
499	Resting state cerebral blood flow with arterial spin labeling MRI in developing human brains. <i>European Journal of Paediatric Neurology</i> , 2018, 22, 642-651.	0.7	20
500	Cerebral perfusion characteristics show differences in younger versus older children with sickle cell anaemia: Results from a multiple-flow-time arterial spin labelling study. <i>NMR in Biomedicine</i> , 2018, 31, e3915.	1.6	13
501	Preclinical Arterial Spin Labeling Measurement of Cerebral Blood Flow. <i>Methods in Molecular Biology</i> , 2018, 1718, 59-70.	0.4	5
502	A double dissociation between two psychotic phenotypes: Periodic catatonia and cataphasia. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 86, 363-369.	2.5	31

#	ARTICLE	IF	CITATIONS
503	Comparison of arterial spin labeling registration strategies in the multi-center GENetic frontotemporal dementia initiative (GENFI). <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 131-140.	1.9	41
504	Quantitative single breath-hold renal arterial spin labeling imaging at 7T. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 815-825.	1.9	12
505	Accounting for the role of hematocrit in between-subject variations of MRI-derived baseline cerebral hemodynamic parameters and functional BOLD responses. <i>Human Brain Mapping</i> , 2018, 39, 344-353.	1.9	29
506	Arterial spin labeling for the measurement of cerebral perfusion and angiography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 603-626.	2.4	76
507	Perfusion abnormality on three-dimensional arterial spin labeling with a 3T MR system in pediatric and adolescent patients with migraine. <i>Journal of the Neurological Sciences</i> , 2018, 395, 41-46.	0.3	16
508	Overview and Critical Appraisal of Arterial Spin Labelling Technique in Brain Perfusion Imaging. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-15.	0.4	25
509	Test-retest reliability of perfusion of the precentral cortex and precentral subcortical white matter on three-dimensional pseudo-continuous arterial spin labeling. <i>Journal of International Medical Research</i> , 2018, 46, 3788-3795.	0.4	2
510	Non-Invasive Renal Perfusion Imaging Using Arterial Spin Labeling MRI: Challenges and Opportunities. <i>Diagnostics</i> , 2018, 8, 2.	1.3	43
511	Changes in brain perfusion in successive arterial spin labeling MRI scans in neonates with hypoxic-ischemic encephalopathy. <i>NeuroImage: Clinical</i> , 2019, 24, 101939.	1.4	21
512	Exercise-stimulated arterial transit time in calf muscles measured by dynamic contrast-enhanced magnetic resonance imaging. <i>Physiological Reports</i> , 2019, 7, e13978.	0.7	3
513	Differences between normal and diabetic brains in middle-aged rats by MRI. <i>Brain Research</i> , 2019, 1724, 146407.	1.1	5
514	Children Exposed to Maternal Obesity or Gestational Diabetes Mellitus During Early Fetal Development Have Hypothalamic Alterations That Predict Future Weight Gain. <i>Diabetes Care</i> , 2019, 42, 1473-1480.	4.3	74
515	A Microcirculatory Theory of Aging. , 2019, 10, 676.		30
516	Cerebral blood volume mapping using Fourier-transform-based velocity-selective saturation pulse trains. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 3544-3554.	1.9	23
517	Quantification of pathophysiological alterations in venous oxygen saturation: A comparison of global MR susceptometry techniques. <i>Magnetic Resonance Imaging</i> , 2019, 58, 18-23.	1.0	11
518	Mild Propofol Sedation Reduces Frontal Lobe and Thalamic Cerebral Blood Flow: An Arterial Spin Labeling Study. <i>Frontiers in Physiology</i> , 2019, 10, 1541.	1.3	7
519	Minimal Linear Networks for Magnetic Resonance Image Reconstruction. <i>Scientific Reports</i> , 2019, 9, 19527.	1.6	8
520	Hyperperfusion of Frontal White and Subcortical Gray Matter in Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2019, 85, 584-595.	0.7	24

#	ARTICLE	IF	CITATIONS
521	Perfusion of the placenta assessed using arterial spin labeling and ferumoxytol dynamic contrast enhanced magnetic resonance imaging in the rhesus macaque. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1964-1978.	1.9	23
522	Cerebral blood volume changes during the BOLD post-stimulus undershoot measured with a combined normoxia/hyperoxia method. <i>NeuroImage</i> , 2019, 185, 154-163.	2.1	11
523	Non-BOLD contrast for laminar fMRI in humans: CBF, CBV, and CMRO ₂ . <i>NeuroImage</i> , 2019, 197, 742-760.	2.1	96
524	Neurovascular Coupling During Visual Stimulation in Multiple Sclerosis: A MEG-fMRI Study. <i>Neuroscience</i> , 2019, 403, 54-69.	1.1	26
525	Multiparametric measurement of cerebral physiology using calibrated fMRI. <i>NeuroImage</i> , 2019, 187, 128-144.	2.1	22
526	Hippocampal Blood Flow Is Increased After 20 min of Moderate-Intensity Exercise. <i>Cerebral Cortex</i> , 2020, 30, 525-533.	1.6	44
527	Considerations of power and sample size in rehabilitation research. <i>International Journal of Psychophysiology</i> , 2020, 154, 6-14.	0.5	11
528	Cardiorespiratory fitness is associated with increased middle cerebral arterial compliance and decreased cerebral blood flow in young healthy adults: A pulsed ASL MRI study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1879-1889.	2.4	15
529	Neuroimaging correlates of cognitive changes after bariatric surgery. <i>Surgery for Obesity and Related Diseases</i> , 2020, 16, 119-127.	1.0	14
530	The potential for gas-free measurements of absolute oxygen metabolism during both baseline and activation states in the human brain. <i>NeuroImage</i> , 2020, 207, 116342.	2.1	13
531	Consensus-based technical recommendations for clinical translation of renal ASL MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020, 33, 141-161.	1.1	80
532	Comparison of multi-delay FAIR and pCASL labeling approaches for renal perfusion quantification at 3T MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020, 33, 81-94.	1.1	16
533	Intracranial 3D and 4D MR Angiography Using Arterial Spin Labeling: Technical Considerations. <i>Magnetic Resonance in Medical Sciences</i> , 2020, 19, 294-309.	1.1	26
534	The effects of acute cannabidiol on cerebral blood flow and its relationship to memory: An arterial spin labelling magnetic resonance imaging study. <i>Journal of Psychopharmacology</i> , 2020, 34, 981-989.	2.0	26
535	Altered cerebrovascular response to acute exercise in patients with Huntington's disease. <i>Brain Communications</i> , 2020, 2, fcaa044.	1.5	5
536	Assessment of the Effects of Aerobic Fitness on Cerebrovascular Function in Young Adults Using Multiple Inversion Time Arterial Spin Labeling MRI. <i>Frontiers in Physiology</i> , 2020, 11, 360.	1.3	10
537	Cerebral Metabolic Changes During Visuomotor Adaptation Assessed Using Quantitative fMRI. <i>Frontiers in Physiology</i> , 2020, 11, 428.	1.3	0
538	Arterial Spin Labeling in Pediatric Neuroimaging. <i>Seminars in Pediatric Neurology</i> , 2020, 33, 100799.	1.0	10

#	ARTICLE	IF	CITATIONS
539	Correcting Task fMRI Signals for Variability in Baseline CBF Improves BOLD-Behavior Relationships: A Feasibility Study in an Aging Model. <i>Frontiers in Neuroscience</i> , 2020, 14, 336.	1.4	12
540	The value of a shorter-delay arterial spin labeling protocol for detecting cerebrovascular impairment. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 608-619.	1.1	5
541	Breath-Hold Induced Cerebrovascular Reactivity Measurements Using Optimized Pseudocontinuous Arterial Spin Labeling. <i>Frontiers in Physiology</i> , 2021, 12, 621720.	1.3	4
542	Sub-millimetre resolution laminar fMRI using Arterial Spin Labelling in humans at 7 T. <i>PLoS ONE</i> , 2021, 16, e0250504.	1.1	27
545	Principles of Functional MRI. , 2006, , 3-23.		4
546	Functional MRI. , 2005, , 93-110.		2
547	High Magnetic Fields for Imaging Cerebral Morphology, Function, and Biochemistry. <i>Biological Magnetic Resonance</i> , 2006, , 285-342.	0.4	8
548	Aspects of Clinical Imaging at 7 T. <i>Biological Magnetic Resonance</i> , 2006, , 59-103.	0.4	4
549	Principles of BOLD Functional MRI. , 2011, , 293-303.		5
550	Principles of Functional MRI. , 2010, , 3-22.		5
551	Theoretical Background of MR Imaging. , 2012, , 237-267.		1
552	Physiology and Physics of the fMRI Signal. <i>Biological Magnetic Resonance</i> , 2015, , 163-213.	0.4	5
553	Hyperoxia and Functional MRI. <i>Advances in Experimental Medicine and Biology</i> , 2016, 903, 187-199.	0.8	2
554	Cerebral Perfusion MRI in Mice. <i>Methods in Molecular Biology</i> , 2011, 771, 117-138.	0.4	3
555	The Temporal Resolution of Functional MRI. <i>Medical Radiology</i> , 2000, , 205-220.	0.0	8
556	Potential and Pitfalls of Arterial Spin Labeling Based Perfusion Imaging Techniques for MRI. <i>Medical Radiology</i> , 2000, , 63-69.	0.0	7
557	<i>Selection of the optimal pulse sequence for functional MRI</i>. , 2001, , 123-145.		6
558	Regional Cerebral Blood Flow and BOLD Responses in Conscious and Anesthetized Rats Under Basal and Hypercapnic Conditions: Implications for Functional MRI Studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, , 472-481.	2.4	97

#	ARTICLE	IF	CITATIONS
561	A preliminary study of cerebral blood flow, aging and dementia in people with Down syndrome. Journal of Intellectual Disability Research, 2020, 64, 934-945.	1.2	6
562	Arterial Spin-Labeled Perfusion Imaging. , 2016, , 121-138.		2
563	A Technical Perspective for Understanding Quantitative Arterial Spin-Labeling MR Imaging Using Continuous ASL. Polski Przegląd Radiologii I Medycyny Nuklearnej, 2016, 81, 317-321.	1.0	3
564	The Relationship between Cortical Blood Flow and Sub-Cortical White-Matter Health across the Adult Age Span. PLoS ONE, 2013, 8, e56733.	1.1	51
565	Turbo-FLASH Based Arterial Spin Labeled Perfusion MRI at 7 T. PLoS ONE, 2013, 8, e66612.	1.1	43
566	A New Functional MRI Approach for Investigating Modulations of Brain Oxygen Metabolism. PLoS ONE, 2013, 8, e68122.	1.1	27
567	Clinical Evaluation of an Arterial-Spin-Labeling Product Sequence in Steno-Occlusive Disease of the Brain. PLoS ONE, 2014, 9, e87143.	1.1	35
568	The value of arterial spin labelling in adults glioma grading: systematic review and meta-analysis. Oncotarget, 2019, 10, 1589-1601.	0.8	20
569	The Use of Quantitative Magnetic Resonance Perfusion for Assessment of CBF in The Perioperative Management of Carotid Stenosis: Case Illustration. Open Neurosurgery Journal, 2008, 1, 1-5.	0.4	1
570	A Technical Perspective for Understanding Quantitative Arterial Spin-labeling MR Imaging using Q2TIPS. Magnetic Resonance in Medical Sciences, 2015, 14, 1-12.	1.1	3
571	Sensitivity limitations of high-resolution perfusion-based human fMRI at 7T. Magnetic Resonance Imaging, 2021, 84, 135-144.	1.0	2
572	Use of Diffusible and Nondiffusible Tracers in Studies of Brain Perfusion. Medical Radiology, 2000, , 37-46.	0.0	0
573	9. Imagerie par résonance magnétique fonctionnelle. Questions De Personne, 2001, , 179-205.	0.2	0
574	Quantitative measurement using fMRI. , 2001, , 159-174.		4
575	Principles of nuclear magnetic resonance and MRI. , 2001, , 68-92.		2
576	MRI Measurement of Cerebral Perfusion and Application to Experimental Neuroscience. Frontiers in Neuroscience, 2002, , 21-54.	0.0	0
577	Non-Invasive Cerebral Perfusion Imaging Using Magnetic Resonance. Journal of the Visualization Society of Japan, 2004, 24, 174-179_1.	0.0	0
578	MR Diffusion and Perfusion Imaging in Epilepsy. , 2005, , 315-332.		1

#	ARTICLE	IF	CITATIONS
579	A comparison of FAIR and CASL perfusion imaging in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S343-S343.	2.4	0
580	Magnetic Resonance Imaging in Prevention of Alzheimer's Disease. <i>Medical Radiology</i> , 2008, , 233-248.	0.0	0
581	The Basics of Functional Magnetic Resonance Imaging. , 2009, , 39-62.		1
582	Spatial Resolution of fMRI Techniques. , 2010, , 15-21.		2
583	Perfusion MRI. , 2011, , 67-81.		0
584	Non-gadolinium Perfusion Technique (Arterial Spin Labeling). , 2011, , 61-69.		0
587	Introduction to Nuclear Magnetic Resonance (NMR) Methods. <i>Advances in Neurobiology</i> , 2012, , 3-31.	1.3	0
590	Spatial Resolution of fMRI Techniques. , 2013, , 17-24.		1
591	Neuroimaging Modalities. , 2013, , 1-22.		1
592	Principles of BOLD Functional MRI. , 2015, , 3-16.		0
593	Alternative Methods for fMRI. <i>Biological Magnetic Resonance</i> , 2015, , 271-309.	0.4	0
594	Arterial Spin-Labeled Perfusion Imaging. , 2016, , 101-118.		0
595	Experimental Models of Brain Disease: MRI Contrast Mechanisms for the Assessment of Pathophysiological Status. , 2017, , 1-30.		0
596	ASL 3.0 T Perfusion Studies. , 2017, , 133-144.		0
597	Usefulness Study of 7 Delays eASL(Enhanced Arterial Spin Labeling) in Comparison to Single Delay ASL. <i>Journal of the Korean Society of MR Technology</i> , 2017, 27, 45-55.	0.2	0
598	Experimental Models of Brain Disease: MRI Contrast Mechanisms for the Assessment of Pathophysiological Status. , 2018, , 63-92.		0
600	Spatial Resolution of fMRI Techniques. , 2020, , 65-72.		2
601	Acquisition Aspects of Functional and Clinical Arterial Spin Labeling. , 2020, , 73-88.		0

#	ARTICLE	IF	CITATIONS
602	Brain responses to glucose ingestion are greater in children than adults and are associated with overweight and obesity. <i>Obesity</i> , 2021, 29, 2081-2088.	1.5	1
603	Arterial Spin Labeling MRI: Basic Physics, Pulse Sequences, and Modeling. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2020, , 295-320.	0.0	2
604	Functional MRI Studies of Eyeblink Classical Conditioning. , 2002, , 71-93.		3
605	3.0 T Perfusion Studies. , 2006, , 91-106.		0
606	Brain, Head, and Neck. , 2008, , 169-533.		1
607	Perfusion Imaging using Arterial Spin Labeling (ASL). <i>Japanese Journal of Magnetic Resonance in Medicine</i> , 2020, 40, 149-168.	0.0	0
608	Dynamic spin labeling angiography in extracranial carotid artery stenosis. <i>American Journal of Neuroradiology</i> , 2005, 26, 1035-43.	1.2	23
609	Hemodynamic response changes in cerebrovascular disease: implications for functional MR imaging. <i>American Journal of Neuroradiology</i> , 2002, 23, 1222-8.	1.2	85
610	Changes in white matter microstructure and MRI-derived cerebral blood flow after 1-week of exercise training. <i>Scientific Reports</i> , 2021, 11, 22061.	1.6	9
611	Recent progress in ASL outside the brain. <i>Chinese Journal of Academic Radiology</i> , 2021, 4, 220-228.	0.4	1
612	Non-contrast agent perfusion MRI methods. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2021, , 177-193.	0.0	0
613	Concurrent CBF and BOLD fMRI with dual-echo spiral simultaneous multi-slice acquisitions at 7T. <i>NeuroImage</i> , 2022, 247, 118820.	2.1	5
614	Detection of impaired renal allograft function in paediatric and young adult patients using arterial spin labelling MRI (ASL-MRI). <i>Scientific Reports</i> , 2022, 12, 828.	1.6	6
616	MRI Metrics of Cerebral Endothelial Cell-Derived Exosomes for the Treatment of Cognitive Dysfunction Induced in Aging Rats Subjected to Type 2 Diabetes. <i>Diabetes</i> , 2022, 71, 873-880.	0.3	2
617	Time-Resolved Noncontrast Magnetic Resonance Perfusion Imaging of Paraspinal Muscles. <i>Journal of Magnetic Resonance Imaging</i> , 2022, , .	1.9	0
618	Aerobic glycolysis imaging of epileptic foci during the inter-ictal period. <i>EBioMedicine</i> , 2022, 79, 104004.	2.7	7
622	Multidelay ASL of the pediatric brain. <i>British Journal of Radiology</i> , 2022, 95, 20220034.	1.0	9
623	Cerebral perfusion MR imaging using FAIR-HASTE in chronic carotid occlusive disease: comparison with dynamic susceptibility contrast-perfusion MR imaging. <i>Acta Medica Okayama</i> , 2006, 60, 215-21.	0.1	1

#	ARTICLE	IF	CITATIONS
624	FGF21 response to sucrose is associated with BMI and dorsal striatal signaling in humans. <i>Obesity</i> , 2022, 30, 1239-1247.	1.5	3
625	Saturated multi-delay renal arterial spin labeling technique for simultaneous perfusion and quantification in kidneys. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 1055-1067.	1.9	3
626	Basics of diffusion and perfusion MRI. , 0, , 13-23.		4
627	ASLPrep: a platform for processing of arterial spin labeled MRI and quantification of regional brain perfusion. <i>Nature Methods</i> , 2022, 19, 683-686.	9.0	13
628	Velocity-selective arterial spin labeling perfusion MRI: A review of the state of the art and recommendations for clinical implementation. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 1528-1547.	1.9	27
629	Distinct and shared patterns of brain plasticity during electroconvulsive therapy and treatment as usual in depression: an observational multimodal MRI-study. <i>Translational Psychiatry</i> , 2023, 13, .	2.4	8
630	Non-contrast estimate of blood-brain barrier permeability in humans using arterial spin labeling and magnetization transfer at 7T. <i>NMR in Biomedicine</i> , 0, , .	1.6	1
631	MRI assessment of cerebral perfusion in clinical trials. <i>Drug Discovery Today</i> , 2023, 28, 103506.	3.2	4
633	Geometry-derived statistical significance: A probabilistic framework for detecting true positive findings in MRI data. <i>Brain and Behavior</i> , 2023, 13, .	1.0	1
634	Acetazolamide-augmented BOLD MRI to Assess Whole-Brain Cerebrovascular Reactivity in Chronic Steno-occlusive Disease Using Principal Component Analysis. <i>Radiology</i> , 2023, 307, .	3.6	2
635	The Basics of Functional Magnetic Resonance Imaging. , 2022, , 49-77.		2
636	Principles of BOLD Functional MRI. , 2023, , 461-472.		1
638	Physical Principles of Non-gadolinium Perfusion Technique (Arterial Spin Labeling). , 2023, , 35-46.		0
640	MRI of skeletal muscle perfusion. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2023, , 513-540.	0.0	0
641	Perfusion MRI in the brain: Insights from sickle cell disease and the healthy brain. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2023, , 315-336.	0.0	0
642	Arterial spin labeling MRI. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2023, , 77-107.	0.0	0
643	Perfusion MRI in the kidneys: Arterial spin labeling. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2023, , 455-479.	0.0	0