## Perfusion imaging

Magnetic Resonance in Medicine 23, 37-45

DOI: 10.1002/mrm.1910230106

Citation Report

#	Article	IF	CITATIONS
1	Magnetic Resonance Imaging Mapping of Brain Function: Human Visual Cortex. Investigative Radiology, 1992, 27, S59-S65.	3.5	105
2	Dynamic magnetic resonance imaging of human brain activity during primary sensory stimulation Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 5675-5679.	<b>3.</b> 3	3,773
3	Measurement of brain perfusion by volume-localized NMR spectroscopy using inversion of arterial water spins: Accounting for transit time and cross-relaxation. Magnetic Resonance in Medicine, 1992, 25, 362-371.	1.9	128
4	Measurement of rat brain perfusion by NMR using spin labeling of arterial water:In vivo determination of the degree of spin labeling. Magnetic Resonance in Medicine, 1993, 29, 416-421.	1.9	142
5	MRI evaluation of myocardial perfusion without a contrast agent using magnetization transfer. Magnetic Resonance in Medicine, 1993, 30, 267-270.	1.9	19
6	Magnetic resonance imaging of perfusion in the isolated rat heart using spin inversion of arterial water. Magnetic Resonance in Medicine, 1993, 30, 361-365.	1.9	88
7	Statistical description of microcirculatory flow as measured with an MR method. Journal of Magnetic Resonance Imaging, 1993, 3, 883-887.	1.9	5
8	Functional magnetic resonance imaging: Overview and methods for psychological research. Behavior Research Methods, 1993, 25, 101-113.	1.3	43
9	Deuterium chemical shift imaging for the estimation of cerebral perfusion in rabbit infarction model. Journal of Anesthesia, 1993, 7, 447-453.	0.7	2
10	NMR and the Study of Pathological State in Cells and Tissues. International Review of Cytology, 1993, 145, 1-63.	6.2	8
11	Early detection of regional myocardial ischemia in ex vivo piglet hearts: MR imaging with magnetization transfer. Journal of Magnetic Resonance Imaging, 1994, 4, 603-608.	1.9	5
12	A novel fast T1-mapping method. Journal of Magnetic Resonance Imaging, 1994, 4, 701-708.	1.9	41
13	Radioactive microsphere validation of a volume localized continuous saturation perfusion measurement. Magnetic Resonance in Medicine, 1994, 31, 147-153.	1.9	90
14	3-dimensional functional imaging of human brain using echo-shifted FLASH MRI. Magnetic Resonance in Medicine, 1994, 32, 150-155.	1.9	65
15	The design and test of a new volume coil for high field imaging. Magnetic Resonance in Medicine, 1994, 32, 492-498.	1.9	61
16	Tissue specific perfusion imaging using arterial spin labeling. NMR in Biomedicine, 1994, 7, 75-82.	1.6	301
17	Effect of cardiac flow on gradient recalled echo images of the canine heart. NMR in Biomedicine, 1994, 7, 89-95.	1.6	35
18	Functional Study of the Brain by NMR. Journal of Cerebral Blood Flow and Metabolism, 1994, 14, 365-372.	2.4	41

#	Article	IF	CITATIONS
19	Quantitative MRI of Gd-DTPA uptake in tumors: Response to photo dynamic therapy. Magnetic Resonance in Medicine, 1994, 31, 292-301.	1.9	41
20	In vivo magnetic resonance imaging and spectroscopy in pharmacological research: applications to drug development and profiling. European Journal of Pharmaceutical Sciences, 1994, 2, 50-52.	1.9	1
21	Functional Magnetic Resonance Imaging. British Journal of Psychiatry, 1994, 164, 2-7.	1.7	31
22	Multi-Slice MRI of Rat Brain Perfusion During Amphetamine Stimulation Using Arterial Spin Labeling. Magnetic Resonance in Medicine, 1995, 33, 209-214.	1.9	149
23	NMR Measurement of Perfusion Using Arterial Spin Labeling Without Saturation of Macromolecular Spins. Magnetic Resonance in Medicine, 1995, 33, 370-376.	1.9	147
24	GRASE Improves Spatial Resolution in Single Shot Imaging. Magnetic Resonance in Medicine, 1995, 33, 529-533.	1.9	44
25	Quantification of relative cerebral blood flow change by flow-sensitive alternating inversion recovery (FAIR) technique: Application to functional mapping. Magnetic Resonance in Medicine, 1995, 34, 293-301.	1.9	990
26	Vascular transit times in calcarine cortex: Kinetic analysis of R2* changes observed using localized 1H spectroscopy. Magnetic Resonance in Medicine, 1995, 34, 326-330.	1.9	4
27	Mr perfusion studies witht1-weighted echo planar imaging. Magnetic Resonance in Medicine, 1995, 34, 878-887.	1.9	476
28	Signal changes in gradient echo images of human brain induced by hypo- and hyperoxia. NMR in Biomedicine, 1995, 8, 41-47.	1.6	81
29	Functional magnetic resonance imaging. International Journal of Imaging Systems and Technology, 1995, 6, 131-132.	2.7	1
30	Effects of biophysical and physiologic parameters on brain activation-inducedR2* andR2 changes: Simulations using a deterministic diffusion model. International Journal of Imaging Systems and Technology, 1995, 6, 133-152.	2.7	76
31	An intuitive guide to the T1 based perfusion model. International Journal of Imaging Systems and Technology, 1995, 6, 171-174.	2.7	9
32	Magnetic resonance perfusion imaging. International Journal of Imaging Systems and Technology, 1995, 6, 230-237.	2.7	16
33	Simultaneous functional magnetic resonance imaging and electrophysiological recording. Human Brain Mapping, 1995, 3, 13-23.	1.9	102
34	Functional magnetic resonance imaging depicts the brain in action. Nature Medicine, 1995, 1, 379-381.	15.2	8
35	Blue blood or black blood: R1 effects in gradient-echo echo-planar functional neuroimaging. Magnetic Resonance Imaging, 1995, 13, 369-378.	1.0	12
36	Magnetic resonance imaging verification of a multi-compartment perfusion model for a chromatography gel phantom. Magnetic Resonance Imaging, 1995, 13, 581-598.	1.0	4

#	Article	IF	CITATIONS
37	Functional Magnetic Resonance Imaging. , 1995, , 239-326.		18
38	In vivo magnetic resonance imaging and spectroscopy in pharmacological research: assessment of morphological, physiological and metabolic effects of drugs. European Journal of Pharmaceutical Sciences, 1995, 3, 255-264.	1.9	16
39	Imaging of human brain activation with functional MRI. Biological Psychiatry, 1995, 37, 141-143.	0.7	6
40	Evaluation of different strategies to measure perfusion in fMRI. Neurolmage, 1996, 3, S6.	2.1	O
41	Quantification of the extent of area at risk with fast contrast-enhanced magnetic resonance imaging in experimental coronary artery stenosis. American Heart Journal, 1996, 132, 921-932.	1.2	20
42	Magnetic resonance imaging of human brain function. World Neurosurgery, 1996, 45, 385-391.	1.3	13
44	Measurement of Tissue Perfusion Using Magnetic Resonance Imaging: Assessment of Drug Effects on Optic Nerve Perfusion in Rats., 1996,, 173-182.		0
45	Interrelationship of oxidative metabolism and local perfusion demonstrated by NMR in human skeletal muscle. Journal of Applied Physiology, 1996, 81, 2221-2228.	1.2	29
46	Noninvasive perfusion imaging of human brain tumors with EPISTAR. European Radiology, 1996, 6, 518-22.	2.3	32
47	CT and MRI of stroke. Journal of Magnetic Resonance Imaging, 1996, 6, 833-845.	1.9	42
48	Perfusion changes in human skeletal muscle during reactive hyperemia measured by echo-planar imaging. Magnetic Resonance in Medicine, 1996, 35, 62-69.	1.9	78
49	Perfusion imaging with compensation for asymmetric magnetization transfer effects. Magnetic Resonance in Medicine, 1996, 35, 70-79.	1.9	150
50	Decomposition of inflow and blood oxygen levelâ€dependent (BOLD) effects with dualâ€echo spiral gradientâ€recalled echo (GRE) fMRI. Magnetic Resonance in Medicine, 1996, 35, 299-308.	1.9	82
51	Quantitative magnetic resonance imaging of perfusion using magnetic labeling of water proton spins within the detection slice. Magnetic Resonance in Medicine, 1996, 35, 540-546.	1.9	101
52	Myocardial intensity changes associated with flow stimulation in blood oxygenation sensitive magnetic resonance imaging. Magnetic Resonance in Medicine, 1996, 36, 78-82.	1.9	66
53	Perfusion imaging of the human brain at 1.5 T using a single-shot EPI spin tagging approach. Magnetic Resonance in Medicine, 1996, 36, 219-224.	1.9	59
54	Comparison of the BOLD- and EPISTAR-technique for functional brain imaging by using signal detection theory. Magnetic Resonance in Medicine, 1996, 36, 249-255.	1.9	37
55	Quantitative assessment of blood inflow effects in functional MRI signals. Magnetic Resonance in Medicine, 1996, 36, 314-319.	1.9	80

#	Article	IF	Citations
56	High resolution measurement of cerebral blood flow using intravascular tracer bolus passages. Part II: Experimental comparison and preliminary results. Magnetic Resonance in Medicine, 1996, 36, 726-736.	1.9	805
58	A Model for Quantification of Perfusion in Pulsed Labelling Techniques. , 1996, 9, 79-83.		78
59	Reduced Transit-Time Sensitivity in Noninvasive Magnetic Resonance Imaging of Human Cerebral Blood Flow. Journal of Cerebral Blood Flow and Metabolism, 1996, 16, 1236-1249.	2.4	720
60	Functional Magnetic Resonance Imaging with Echo Planar Imaging. , 1996, , 73-90.		69
61	Susceptibility Contrast Imaging of CO <sub>2</sub> -Induced Changes in the Blood Volume of the Human Brain. Acta Radiologica, 1996, 37, 813-822.	0.5	21
62	Quantitative cardiac perfusion: a noninvasive spin-labeling method that exploits coronary vessel geometry Radiology, 1996, 200, 177-184.	3.6	39
63	Understanding Functional Neuroimaging Methods Based on Neurovascular Coupling. Advances in Experimental Medicine and Biology, 1997, 413, 177-193.	0.8	35
64	Comparison of EPISTAR and T sub 2 *-weighted gadolinium-enhanced perfusion imaging in patients with acute cerebral ischemia. Neurology, 1997, 48, 673-679.	1.5	101
65	MRI Developments in Perspective. British Journal of Radiology, 1997, 70, S70-S80.	1.0	11
66	Quantitation of Regional Cerebral Blood Flow Increases during Motor Activation: A Steady-State Arterial Spin Tagging Study. Neurolmage, 1997, 6, 104-112.	2.1	61
67	Optical Imaging of Brain Function and Metabolism 2. Advances in Experimental Medicine and Biology, 1997, , .	0.8	9
68	Functional magnetic resonance imaging in schizophrenia: initial methodology and evaluation of the motor cortex. Psychiatry Research - Neuroimaging, 1997, 74, 13-23.	0.9	35
69	Magnetic Resonance Imaging of Human Brain Function. Neurosurgery Clinics of North America, 1997, 8, 345-371.	0.8	39
71	MRI-MRS of the Brain in Systemic Lupus Erythematosus Annals of the New York Academy of Sciences, 1997, 823, 169-184.	1.8	9
72	Frequency-Dependent Changes of Regional Cerebral Blood Flow during Finger Movements: Functional MRI Compared to PET. Journal of Cerebral Blood Flow and Metabolism, 1997, 17, 670-679.	2.4	162
73	Assessment of Cerebral Blood Flow and CO2 Reactivity After Controlled Cortical Impact By Perfusion Magnetic Resonance Imaging Using Arterial Spin-Labeling in Rats. Journal of Cerebral Blood Flow and Metabolism, 1997, 17, 865-874.	2.4	78
74	From morphology to function: new neuro applications in functional magnetic resonance. Italian Journal of Neurological Sciences, 1997, 18, 367-372.	0.1	1
75	Perfusion imaging by un-inverted flow-sensitive alternating inversion recovery (UNFAIR). Magnetic Resonance Imaging, 1997, 15, 135-139.	1.0	47

#	Article	IF	Citations
76	Quantification of signal changes in gradient recalled echo FMRI. Magnetic Resonance Imaging, 1997, 15, 753-762.	1.0	11
77	Functional magnetic resonance imaging of the human brain. Journal of Neuroscience Methods, 1997, 74, 229-243.	1.3	110
78	Physiologic measurements by contrast-enhanced MR imaging: Expectations and limitations. Journal of Magnetic Resonance Imaging, 1997, 7, 82-90.	1.9	133
79	Effect of oxygen inhalation on relaxation times in various tissues. Journal of Magnetic Resonance Imaging, 1997, 7, 220-225.	1.9	165
80	Estimation of water extraction fractions in rat brain using magnetic resonance measurement of perfusion with arterial spin labeling. Magnetic Resonance in Medicine, 1997, 37, 58-68.	1.9	102
81	Correction for vascular artifacts in cerebral blood flow values measured by using arterial spin tagging techniques. Magnetic Resonance in Medicine, 1997, 37, 226-235.	1.9	289
82	Perfusion imaging by a flow-sensitive alternating inversion recovery (Fair) technique: Application to functional brain imaging. Magnetic Resonance in Medicine, 1997, 37, 425-435.	1.9	238
83	Effect of magnetization transfer on the measurement of cerebral blood flow using steady-state arterial spin tagging approaches: A theoretical investigation. Magnetic Resonance in Medicine, 1997, 37, 501-510.	1.9	58
84	Evidence for the exchange of arterial spin-labeled water with tissue water in rat brain from diffusion-sensitized measurements of perfusion. Magnetic Resonance in Medicine, 1997, 38, 232-237.	1.9	92
85	Detection of dopaminergic neurotransmitter activity using pharmacologic MRI: Correlation with PET, microdialysis, and behavioral data. Magnetic Resonance in Medicine, 1997, 38, 389-398.	1.9	237
86	Phase insensitive preparation of single-shot RARE: Application to diffusion imaging in humans. Magnetic Resonance in Medicine, 1997, 38, 527-533.	1.9	164
87	The effect of perfusion onT1 after slice-selective spin inversion in the isolated cardioplegic rat heart: Measurement of a lower bound of intracapillary-extravascular water proton exchange rate. Magnetic Resonance in Medicine, 1997, 38, 917-923.	1.9	48
90	Editorial: Current issues in functional MRI. , 1997, 10, 157-159.		0
91	The efficiency of adiabatic inversion for perfusion imaging by arterial spin labeling., 1997, 10, 216-221.		82
92	A Comparison between Different Imaging Strategies for Diffusion Measurements with the Centric Phase-Encoded TurboFLASH Sequence. Journal of Magnetic Resonance, 1997, 124, 323-342.	1.2	29
93	MRI using hyperpolarized noble gases. European Radiology, 1998, 8, 820-827.	2.3	142
94	Reperfusion after Thrombolytic Therapy of Embolic Stroke in the Rat: Magnetic Resonance and Biochemical Imaging. Journal of Cerebral Blood Flow and Metabolism, 1998, 18, 407-418.	2.4	101
95	Simultaneous Glutamate and Perfusion fMRI Responses to Regional Brain Stimulation. Journal of Cerebral Blood Flow and Metabolism, 1998, 18, 1064-1070.	2.4	15

#	ARTICLE	IF	CITATIONS
96	Diffusion, perfusion, and T2 magnetic resonance imaging of anti-intercellular adhesion molecule 1 antibody treatment of transient middle cerebral artery occlusion in rat. Brain Research, 1998, 788, 191-201.	1.1	13
97	Pulse Sequences for Steady-State Saturation of Flowing Spins. Journal of Magnetic Resonance, 1998, 133, 13-20.	1.2	4
98	Functional MRI using steady-state arterial water labeling. Magnetic Resonance in Medicine, 1998, 39, 179-183.	1.9	43
99	Functional MRI of somatosensory activation in rat: Effect of hypercapnic tip-regulation on perfusionand BOLD-imaging. Magnetic Resonance in Medicine, 1998, 39, 457-461.	1.9	50
100	Quantitative measurements of cerebral blood flow in rats using the FAIR technique: Correlation with previous lodoantipyrine autoradiographic studies. Magnetic Resonance in Medicine, 1998, 39, 564-573.	1.9	106
101	Dynamic functional imaging of relative cerebral blood volume during rat forepaw stimulation. Magnetic Resonance in Medicine, 1998, 39, 615-624.	1.9	539
102	Simultaneous multislice acquisition with arterial-flow tagging (SMART) using echo planar imaging (EPI). Magnetic Resonance in Medicine, 1998, 39, 662-665.	1.9	12
103	Quantitative imaging of perfusion using a single subtraction (QUIPSS and QUIPSS II). Magnetic Resonance in Medicine, 1998, 39, 702-708.	1.9	653
104	BASE imaging: A new spin labeling technique for measuring absolute perfusion changes. Magnetic Resonance in Medicine, 1998, 39, 717-722.	1.9	13
105	Recovery of the rodent brain after cardiac arrest: A functional mri study. Magnetic Resonance in Medicine, 1998, 39, 783-788.	1.9	38
106	Multislice imaging of quantitative cerebral perfusion with pulsed arterial spin labeling. Magnetic Resonance in Medicine, 1998, 39, 825-832.	1.9	153
107	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
108	A general kinetic model for quantitative perfusion imaging with arterial spin labeling. Magnetic Resonance in Medicine, 1998, 40, 383-396.	1.9	1,067
109	In vivo perfusion measurements in the human placenta using echo planar imaging at 0.5 T. Magnetic Resonance in Medicine, 1998, 40, 467-473.	1.9	72
110	Evidence of muscle BOLD effect revealed by simultaneous interleaved gradient-echo NMRI and myoglobin NMRS during leg ischemia. Magnetic Resonance in Medicine, 1998, 40, 551-558.	1.9	79
111	Continuous assessment of perfusion by tagging including volume and water extraction (CAPTIVE): A steady-state contrast agent technique for measuring blood flow, relative blood volume fraction, and the water extraction fraction. Magnetic Resonance in Medicine, 1998, 40, 666-678.	1.9	51
112	FAIR excluding radiation damping (FAIRER). Magnetic Resonance in Medicine, 1998, 40, 712-719.	1.9	38
116	In Vivo quantitative mapping of cardiac perfusion in rats using a noninvasive MR spin-labeling method. Journal of Magnetic Resonance Imaging, 1998, 8, 1240-1245.	1.9	116

#	Article	IF	CITATIONS
117	Determination of focal ischemic lesion volume in the rat brain using multispectral analysis. Journal of Magnetic Resonance Imaging, 1998, 8, 1266-1278.	1.9	28
118	Perfusion quantitation in transplanted rat kidney by MRI with arterial spin labeling. Kidney International, 1998, 53, 1783-1791.	2.6	71
119	Optimization of the ultrafast look-locker echo-planar imaging T1 mapping sequence. Magnetic Resonance Imaging, 1998, 16, 765-772.	1.0	64
120	Simultaneous measurement of perfusion and oxygenation changes using a multiple gradient-echo sequence: application to human muscle study. Magnetic Resonance Imaging, 1998, 16, 721-729.	1.0	67
121	Advances in pediatric neuroimaging. Brain and Development, 1998, 20, 275-289.	0.6	26
122	MRI: Use of the inversion recovery pulse sequence. Clinical Radiology, 1998, 53, 159-176.	0.5	59
123	A Reproducible Model of Middle Cerebral Artery Occlusion in Mice: Hemodynamic, Biochemical, and Magnetic Resonance Imaging. Journal of Cerebral Blood Flow and Metabolism, 1998, 18, 367-375.	2.4	263
124	Quantitation of Regional Cerebral Blood Flow Increases in Prefrontal Cortex during a Working Memory Task: A Steady-State Arterial Spin-Tagging Study. NeuroImage, 1998, 8, 44-49.	2.1	34
125	ON THE CHARACTERISTICS OF FUNCTIONAL MAGNETIC RESONANCE IMAGING OF THE BRAIN. Annual Review of Biophysics and Biomolecular Structure, 1998, 27, 447-474.	18.3	285
128	Perfusion Magnetic Resonance Imaging to Assess Brain Tumor Responses to New Therapies. Cancer Control, 1998, 5, 115-123.	0.7	24
130	Imaging of Acute Cerebral Ischemia. Radiology, 1999, 212, 307-324.	3.6	165
131	Glial Neoplasms: Dynamic Contrast-enhanced T2*-weighted MR Imaging. Radiology, 1999, 211, 791-798.	3.6	583
132	Perfusion imaging of the human lung using flow-sensitive alternating inversion recovery with an extra radiofrequency pulse (FAIRER). Magnetic Resonance Imaging, 1999, 17, 355-361.	1.0	72
133	Functional magnetic resonance (fMR) imaging of a rat brain tumor model: implications for evaluation of tumor microvasculature and therapeutic response. Magnetic Resonance Imaging, 1999, 17, 537-548.	1.0	28
134	w and xygenation ependent (FLOOD) contrast MR imaging to monitor the response of rat tumors to carbogen breathing. Magnetic Resonance Imaging, 1999, 17, 1307-1318.	1.0	87
135	An Integrated Strategy for Evaluation of Metabolic and Oxidative Defects in Neurodegenerative Illness Using Magnetic Resonance Techniques. Annals of the New York Academy of Sciences, 1999, 893, 214-242.	1.8	15
136	Measuring Cerebral Blood Flow Using Magnetic Resonance Imaging Techniques. Journal of Cerebral Blood Flow and Metabolism, 1999, 19, 701-735.	2.4	607
137	In Vivo Determination of Absolute Cerebral Blood Volume Using Hemoglobin as a Natural Contrast Agent: An MRI Study Using Altered Arterial Carbon Dioxide Tension. Journal of Cerebral Blood Flow and Metabolism, 1999, 19, 809-817.	2.4	29

#	Article	IF	CITATIONS
139	Delivery of imaging agents into brain. Advanced Drug Delivery Reviews, 1999, 37, 253-277.	6.6	54
140	Using Flow Relaxography to Elucidate Flow Relaxivity. Journal of Magnetic Resonance, 1999, 136, 102-113.	1.2	24
141	Velocity Selective Radiofrequency Pulse Trains. Journal of Magnetic Resonance, 1999, 137, 231-236.	1.2	56
142	Application of diffusion tensor MRI to neurological segmentation. International Journal of Imaging Systems and Technology, 1999, 10, 273-286.	2.7	5
143	Extraslice spin tagging (EST) magnetic resonance imaging for the determination of perfusion. Journal of Magnetic Resonance Imaging, 1999, 9, 146-150.	1.9	17
144	Transfer insensitive labeling technique (TILT): Application to multislice functional perfusion imaging. Journal of Magnetic Resonance Imaging, 1999, 9, 454-461.	1.9	96
145	MR perfusion imaging of pulmonary parenchyma using pulsed arterial spin labeling techniques: FAIRER and FAIR. Journal of Magnetic Resonance Imaging, 1999, 9, 483-487.	1.9	138
146	MR perfusion imaging in human brain using the UNFAIR technique. Journal of Magnetic Resonance Imaging, 1999, 9, 761-767.	1.9	26
147	Spatial and temporal modulation of perfusion in the rat ovary measured by arterial spin labeling MRI. Journal of Magnetic Resonance Imaging, 1999, 9, 794-803.	1.9	15
148	A model of the dual effect of gadopentetate dimeglumine on dynamic brain MR images. Journal of Magnetic Resonance Imaging, 1999, 10, 242-253.	1.9	49
149	Magnetization transfer imaging of the brain: A quantitative comparison of results obtained at 1.5 and 4.0 t. Journal of Magnetic Resonance Imaging, 1999, 10, 527-532.	1.9	17
150	Perfusion of the rat ovary: Application of pulsed arterial spin labeling MRI. Magnetic Resonance in Medicine, 1999, 41, 113-123.	1.9	17
151	Perfusion analysis using dynamic arterial spin labeling (DASL). Magnetic Resonance in Medicine, 1999, 41, 299-308.	1.9	42
152	Early changes in water diffusion, perfusion, T1, and T2 during focal cerebral ischemia in the rat studied at 8.5 T. Magnetic Resonance in Medicine, 1999, 41, 479-485.	1.9	130
153	Measurement of human myocardial perfusion by double-gated flow alternating inversion recovery EPI. Magnetic Resonance in Medicine, 1999, 41, 510-519.	1.9	71
154	A strategy to optimize the signal-to-noise ratio in one-coil arterial spin tagging perfusion imaging. Magnetic Resonance in Medicine, 1999, 41, 563-568.	1.9	16
155	Parameter estimation from Rician-distributed data sets using a maximum likelihood estimator: Application to t1 and perfusion measurements. Magnetic Resonance in Medicine, 1999, 41, 614-623.	1.9	85
156	Implementation of quantitative FAIR perfusion imaging with a short repetition time in time-course studies. Magnetic Resonance in Medicine, 1999, 41, 829-840.	1.9	68

#	ARTICLE	IF	CITATIONS
157	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
158	Perfusion imaging using FAIR with a short predelay. Magnetic Resonance in Medicine, 1999, 41, 1099-1107.	1.9	16
159	QUIPSS II with thin-slice TI1 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
160	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
161	Quantitation of regional cerebral blood flow increases during motor activation: A multislice, steady-state, arterial spin tagging study. Magnetic Resonance in Medicine, 1999, 42, 404-407.	1.9	26
162	Perfusion-corrected mapping of cardiac regional blood volume in rats in vivo. Magnetic Resonance in Medicine, 1999, 42, 500-506.	1.9	33
163	Early perfusion after controlled cortical impact in rats: Quantification by arterial spin-labeled MRI and the influence of spin-lattice relaxation time heterogeneity. Magnetic Resonance in Medicine, 1999, 42, 673-681.	1.9	69
164	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
165	Rapid and continuous monitoring of cerebral perfusion by magnetic resonance line scan assessment with arterial spin tagging., 1999, 12, 15-25.		6
166	In vivo magnetic resonance methods in pharmaceutical research: current status and perspectives. NMR in Biomedicine, 1999, 12, 69-97.	1.6	101
167	Continuous saturation EPI with diffusion weighting at 3.0 T. NMR in Biomedicine, 1999, 12, 440-450.	1.6	11
168	Diffusion- and perfusion-weighted MR imaging of transient focal cerebral ischaemia in mice. NMR in Biomedicine, 1999, 12, 525-534.	1.6	60
169	An attempt of pulmonary perfusion imaging utilizing ultrashort echo time turbo FLASH sequence with signal targeting and alternating radio-frequency (STAR). European Journal of Radiology, 1999, 29, 160-163.	1.2	14
170	Exploring brain function with magnetic resonance imaging. European Journal of Radiology, 1999, 30, 84-94.	1.2	63
171	Perfusion magnetic resonance imaging with continuous arterial spin labeling: methods and clinical applications in the central nervous system. European Journal of Radiology, 1999, 30, 115-124.	1.2	281
172	Simultaneous Blood Oxygenation Level-Dependent and Cerebral Blood Flow Functional Magnetic Resonance Imaging during Forepaw Stimulation in the Rat. Journal of Cerebral Blood Flow and Metabolism, 1999, 19, 871-879.	2.4	230
173	A FAIR Study of Motor Cortex Activation under Normo- and Hypercapnia Induced by Breath Challenge. Neurolmage, 1999, 10, 562-569.	2.1	37
174	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

#	Article	IF	CITATIONS
175	Cerebrovascular Dynamics of Autoregulation and Hypoperfusion. Stroke, 1999, 30, 2197-2205.	1.0	138
176	Reperfusion in a Gerbil Model of Forebrain Ischemia Using Serial Magnetic Resonance FAIR Perfusion Imaging. Stroke, 1999, 30, 1263-1270.	1.0	14
177	CO <sub>2</sub> Reactivity Measured by Perfusion MRI During Transient Focal Cerebral Ischemia in Rats. Stroke, 2000, 31, 2236-2244.	1.0	23
178	Detection of regional pulmonary perfusion deficit of the occluded lung using arterial spin labeling in magnetic resonance imaging. Journal of Magnetic Resonance Imaging, 2000, 11, 97-102.	1.9	27
179	Functional MRI of calcium-dependent synaptic activity: Cross correlation with CBF and BOLD measurements. Magnetic Resonance in Medicine, 2000, 43, 383-392.	1.9	242
180	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
181	Simultaneous detection of changes in perfusion and BOLD contrast. NMR in Biomedicine, 2000, 13, 37-42.	1.6	12
182	RF Pulse Concatenation for Spatially Selective Inversion. Journal of Magnetic Resonance, 2000, 146, 58-65.	1.2	25
183	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
184	Comparison of simultaneously measured perfusion and BOLD signal increases during brain activation withT1-based tissue identification. Magnetic Resonance in Medicine, 2000, 44, 137-143.	1.9	130
185	Noise reduction in 3D perfusion imaging by attenuating the static signal in arterial spin tagging (ASSIST). Magnetic Resonance in Medicine, 2000, 44, 92-100.	1.9	293
186	Effect of restricted water exchange on cerebral blood flow values calculated with arterial spin tagging: A theoretical investigation. Magnetic Resonance in Medicine, 2000, 44, 440-449.	1.9	98
187	H215O PET validation of steady-state arterial spin tagging cerebral blood flow measurements in humans. Magnetic Resonance in Medicine, 2000, 44, 450-456.	1.9	297
188	Delay and dispersion effects in dynamic susceptibility contrast MRI: Simulations using singular value decomposition. Magnetic Resonance in Medicine, 2000, 44, 466-473.	1.9	446
189	Transit time, trailing time, and cerebral blood flow during brain activation: Measurement using multislice, pulsed spin-labeling perfusion imaging. Magnetic Resonance in Medicine, 2000, 44, 680-685.	1.9	109
190	Noninvasive pulmonary perfusion imaging by STAR-HASTE sequence. Magnetic Resonance in Medicine, 2000, 44, 808-812.	1.9	38
191	Interrelations of T1 and diffusion of water in acute cerebral ischemia of the rat. Magnetic Resonance in Medicine, 2000, 44, 833-839.	1.9	40
192	Assessment of cerebral blood flow in Alzheimer's disease by spin-labeled magnetic resonance imaging. Annals of Neurology, 2000, 47, 93-100.	2.8	381

#	Article	IF	CITATIONS
193	A model system for perfusion quantification using FAIR. Magnetic Resonance Imaging, 2000, 18, 565-574.	1.0	13
194	Quantification of cerebral blood flow by bolus tracking and artery spin tagging methods. Magnetic Resonance Imaging, 2000, 18, 503-512.	1.0	52
195	Quantitation of renal perfusion using arterial spin labeling with FAIR-UFLARE. Magnetic Resonance lmaging, 2000, $18,641-647$ .	1.0	80
196	Arterial spin tagging perfusion imaging of rat brain. Magnetic Resonance Imaging, 2000, 18, 1109-1113.	1.0	23
197	Complex denoising of MR data via wavelet analysis: Application for functional MRI. Magnetic Resonance Imaging, 2000, 18, 59-68.	1.0	84
198	Imaging the rat brain on a 1.5 T clinical MR-scanner. Journal of Neuroscience Methods, 2000, 97, 77-85.	1.3	37
199	Preclinical MRI experience in imaging angiogenesis. Cancer and Metastasis Reviews, 2000, 19, 39-43.	2.7	27
200	Magnetic Resonance Perfusion Imaging in Acute Ischemic Stroke Using Continuous Arterial Spin Labeling. Stroke, 2000, 31, 680-687.	1.0	452
201	Magnetic Resonance Studies of Brain Function and Neurochemistry. Annual Review of Biomedical Engineering, 2000, 2, 633-660.	5.7	84
202	Coronary Circulation and Myocardial Ischemia. , 2000, , .		0
203	The measurement of diffusion and perfusion in biological systems using magnetic resonance imaging. Physics in Medicine and Biology, 2000, 45, R97-R138.	1.6	112
204	Neuroimaging: do we really need new contrast agents for MRI?. European Journal of Radiology, 2000, 34, 166-178.	1.2	39
205	A CBF-Based Event-Related Brain Activation Paradigm: Characterization of Impulse–Response Function and Comparison to BOLD. NeuroImage, 2000, 12, 287-297.	2.1	61
206	Assessment of Hemodynamic Response during Focal Neural Activity in Human Using Bolus Tracking, Arterial Spin Labeling and BOLD Techniques. Neurolmage, 2000, 12, 442-451.	2.1	44
207	In vivo monitoring of tumor angiogenesis with MR imaging. Academic Radiology, 2000, 7, 812-823.	1.3	117
208	Magnetic resonance imaging of brain function and neurochemistry. Proceedings of the IEEE, 2001, 89, 1093-1106.	16.4	4
209	Localized cerebral blood flow response at submillimeter columnar resolution. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 10904-10909.	3.3	312
210	Real-Time Functional Magnetic Resonance Imaging. Methods, 2001, 25, 201-220.	1.9	48

#	ARTICLE	IF	CITATIONS
211	A Tool for Comparison of PET and fMRI Methods: Calculation of the Uncertainty in the Location of an Activation Site in a PET Image. NeuroImage, 2001, 14, 194-201.	2.1	13
212	Quantification of pulmonary perfusion with MR imaging: recent advances. European Journal of Radiology, 2001, 37, 155-163.	1.2	32
213	Diffusion and perfusion MRI: basic physics. European Journal of Radiology, 2001, 38, 19-27.	1.2	107
214	Brain Activity Mapping with Functional MR Imaging. Academic Radiology, 2001, 8, 1195-1197.	1.3	1
215	Functional MRI and Its Applications to the Clinical Neurosciences. Neuroscientist, 2001, 7, 64-79.	2.6	61
216	Physiological imaging. , 2001, , 265-274.		0
217	Local perfusion and metabolic demand during exercise: a noninvasive MRI method of assessment. Journal of Applied Physiology, 2001, 91, 1845-1853.	1,2	80
218	Nuclear magnetic resonance approaches to brain function studies. Applied Magnetic Resonance, 2001, 20, 85-96.	0.6	0
219	Methodology of brain perfusion imaging. Journal of Magnetic Resonance Imaging, 2001, 13, 496-520.	1.9	361
220	Effect of lung inflation on arterial spin labeling signal in MR perfusion imaging of human lung. Journal of Magnetic Resonance Imaging, 2001, 13, 954-959.	1.9	18
221	Application of magnetic resonance to animal models of cerebral ischemia. Journal of Magnetic Resonance Imaging, 2001, 14, 491-509.	1.9	137
222	Improved mapping of pharmacologically induced neuronal activation using the IRON technique with superparamagnetic blood pool agents. Journal of Magnetic Resonance Imaging, 2001, 14, 517-524.	1.9	72
223	MR ventilation-perfusion imaging of human lung using oxygen-enhanced and arterial spin labeling techniques. Journal of Magnetic Resonance Imaging, 2001, 14, 574-579.	1.9	49
224	Simultaneous noninvasive measurement of CBF and CBV using double-echo FAIR (DEFAIR). Magnetic Resonance in Medicine, 2001, 45, 853-863.	1.9	23
225	Assessment of the effect of 2-chloroadenosine in normal rat brain using spin-labeled MRI measurement of perfusion. Magnetic Resonance in Medicine, 2001, 45, 924-929.	1.9	19
226	Perfusion imaging using dynamic arterial spin labeling (DASL). Magnetic Resonance in Medicine, 2001, 45, 1021-1029.	1.9	69
227	Theoretical analysis of the effect of imperfect slice profiles on tagging schemes for pulsed arterial spin labeling MRI. Magnetic Resonance in Medicine, 2001, 46, 141-148.	1.9	12
228	Perfusion imaging using spin-labeling methods: Contrast- to-noise comparison in functional MRI applications. Magnetic Resonance in Medicine, 2001, 46, 172-182.	1.9	29

#	Article	IF	Citations
229	Improved perfusion quantification in FAIR imaging by offset correction. Magnetic Resonance in Medicine, 2001, 46, 193-197.	1.9	10
230	Cerebral perfusion during anesthesia with fentanyl, isoflurane, or pentobarbital in normal rats studied by arterial spin-labeled MRI. Magnetic Resonance in Medicine, 2001, 46, 202-206.	1.9	147
231	Determination of skeletal muscle perfusion using arterial spin labeling NMRI: Validation by comparison with venous occlusion plethysmography. Magnetic Resonance in Medicine, 2001, 46, 305-311.	1.9	113
232	Single-coil arterial spin-tagging for estimating cerebral blood flow as viewed from the capillary: Relative contributions of intra- and extravascular signal. Magnetic Resonance in Medicine, 2001, 46, 465-475.	1.9	42
233	Arterial spin labeling in combination with a look-locker sampling strategy: Inflow turbo-sampling EPI-FAIR (ITS-FAIR). Magnetic Resonance in Medicine, 2001, 46, 974-984.	1.9	209
234	FAIR exempting separateT1 measurement (FAIREST): a novel technique for online quantitative perfusion imaging and multi-contrast fMRI. NMR in Biomedicine, 2001, 14, 507-516.	1.6	22
235	Perfusion-weighted imaging of interictal hypoperfusion in temporal lobe epilepsy using FAIR-HASTE: Comparison with H215O PET measurements. Magnetic Resonance in Medicine, 2001, 45, 431-435.	1.9	65
236	Two-Compartment Exchange Model for Perfusion Quantification Using Arterial Spin Tagging. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 440-455.	2.4	106
237	Correlation of the near-infrared spectroscopy signals with signal intensity in T2-weighted magnetic resonance imaging of the human masseter muscle. Archives of Oral Biology, 2001, 46, 721-727.	0.8	10
238	Fast High-Resolution Magnetic Resonance Imaging Demonstrates Fractality of Myocardial Perfusion in Microscopic Dimensions. Circulation Research, 2001, 88, 340-346.	2.0	58
239	Diffusion-Tensor MR Imaging at 1.5 and 3.0 T: Initial Observations. Radiology, 2001, 221, 550-556.	3.6	145
240	Perfusion imaging and stroke: A more sensitive measure of the brain bases of cognitive deficits. Aphasiology, 2002, 16, 873-883.	1.4	43
241	Practical aspects of functional MRI (NMR Task Group #8). Medical Physics, 2002, 29, 1892-1912.	1.6	26
242	Cerebral Blood Flow at One Year after Controlled Cortical Impact in Rats: Assessment by Magnetic Resonance Imaging. Journal of Neurotrauma, 2002, 19, 1029-1037.	1.7	82
244	Intracranial Mass Lesions: Dynamic Contrast-enhanced Susceptibility-weighted Echo-planar Perfusion MR Imaging. Radiology, 2002, 223, 11-29.	3.6	482
245	MRI of Blood Volume and Cellular Uptake of Superparamagnetic Iron in an Animal Model of Choroidal Melanoma. Ophthalmic Research, 2002, 34, 241-250.	1.0	22
246	Evolving techniques for the investigation of muscle bioenergetics and oxygenation. Biochemical Society Transactions, 2002, 30, 232-237.	1.6	18
247	Technical aspects and utility of fMRI using BOLD and ASL. Clinical Neurophysiology, 2002, 113, 621-634.	0.7	255

#	Article	IF	CITATIONS
248	Functional MRI. , 2002, , 315-349.		10
249	Insights into new techniques for high resolution functional MRI. Current Opinion in Neurobiology, 2002, 12, 607-615.	2.0	61
250	Spoiled gradient-echo as an arterial spin tagging technique for quick evaluation of local perfusion. Journal of Magnetic Resonance Imaging, 2002, 16, 51-59.	1.9	8
251	Comparison of first-pass Gd-DOTA and FAIRER MR perfusion imaging in a rabbit model of pulmonary embolism. Journal of Magnetic Resonance Imaging, 2002, 16, 168-171.	1.9	27
252	FAIR and dynamic susceptibility contrast-enhanced perfusion imaging in healthy subjects and stroke patients. Journal of Magnetic Resonance Imaging, 2002, 16, 137-146.	1.9	22
253	Evaluation of tissue perfusion in a rat model of hind-limb muscle ischemia using dynamic contrast-enhanced magnetic resonance imaging. Journal of Magnetic Resonance Imaging, 2002, 16, 277-283.	1.9	38
254	Dynamic changes of ADC, perfusion, and NMR relaxation parameters in transient focal ischemia of rat brain. Magnetic Resonance in Medicine, 2002, 47, 97-104.	1.9	44
255	ADC characterization of region-specific response to cerebral perfusion deficit in rats by MRI at 9.4 T. Magnetic Resonance in Medicine, 2002, 47, 562-570.	1.9	12
256	Comparison of diffusion-weighted high-resolution CBF and spin-echo BOLD fMRI at 9.4 T. Magnetic Resonance in Medicine, 2002, 47, 736-741.	1.9	62
257	A model of blood-brain barrier permeability to water: Accounting for blood inflow and longitudinal relaxation effects. Magnetic Resonance in Medicine, 2002, 47, 1100-1109.	1.9	23
258	Pulmonary ventilation and perfusion scanning using hyperpolarized helium-3 MRI and arterial spin tagging in healthy normal subjects and in pulmonary embolism and orthotopic lung transplant patients. Magnetic Resonance in Medicine, 2002, 47, 1073-1076.	1.9	49
259	Improved accuracy of human cerebral blood perfusion measurements using arterial spin labeling: Accounting for capillary water permeability. Magnetic Resonance in Medicine, 2002, 48, 27-41.	1.9	181
260	On the timing characteristics of the apparent diffusion coefficient contrast in fMRI. Magnetic Resonance in Medicine, 2002, 48, 385-388.	1.9	38
261	Simultaneous perfusion and BOLD imaging using reverse spiral scanning at 3T: Characterization of functional contrast and susceptibility artifacts. Magnetic Resonance in Medicine, 2002, 48, 278-289.	1.9	71
262	Comparison of quantitative perfusion imaging using arterial spin labeling at 1.5 and 4.0 Tesla. Magnetic Resonance in Medicine, 2002, 48, 242-254.	1.9	346
263	Continuous arterial spin labeling using a local magnetic field gradient coil. Magnetic Resonance in Medicine, 2002, 48, 543-546.	1.9	42
264	High-resolution, spin-echo BOLD, and CBF fMRI at 4 and 7 T. Magnetic Resonance in Medicine, 2002, 48, 589-593.	1.9	145
265	Dynamic activity-induced manganese-dependent contrast magnetic resonance imaging (DAIM MRI). Magnetic Resonance in Medicine, 2002, 48, 927-933.	1.9	126

#	Article	IF	Citations
266	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
267	Microscopic spin tagging (MiST) for flow imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2002, 15, 45-51.	1.1	1
268	Microscopic spin tagging (MiST) for flow imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2002, 15, 45-51.	1.1	0
269	Diffusion and Perfusion MRI in Epilepsy. Epilepsia, 2002, 43, 69-77.	2.6	23
270	Memory Lateralization in Medial Temporal Lobe Epilepsy Assessed by Functional MRI. Epilepsia, 2002, 43, 855-863.	2.6	214
271	Inversion profiles of adiabatic inversion pulses for flowing spins: the effects on labeling efficiency and labeling accuracy in perfusion imaging with pulsed arterial spin-labeling. Magnetic Resonance Imaging, 2002, 20, 487-494.	1.0	9
272	In vivo NMR studies of neurodegenerative diseases in transgenic and rodent models. Neurochemical Research, 2003, 28, 987-1001.	1.6	41
273	Ultrahigh field magnetic resonance imaging and spectroscopy. Magnetic Resonance Imaging, 2003, 21, 1263-1281.	1.0	218
274	Perfusion-based functional magnetic resonance imaging. Concepts in Magnetic Resonance, 2003, 16A, 16-27.	1.3	17
275	In vivo assessment of absolute perfusion in the murine skeletal muscle with spin labeling MRI. Journal of Magnetic Resonance Imaging, 2003, 17, 147-152.	1.9	36
276	Quantitative perfusion mapping of the human lung using 1H spin labeling. Journal of Magnetic Resonance Imaging, 2003, 18, 260-265.	1.9	19
277	Precision of the CASL-perfusion MRI technique for the measurement of cerebral blood flow in whole brain and vascular territories. Journal of Magnetic Resonance Imaging, 2003, 18, 649-655.	1.9	124
278	Indirect17O-magnetic resonance imaging of cerebral blood flow in the rat. Magnetic Resonance in Medicine, 2003, 49, 479-487.	1.9	34
279	Rapid combinedT1 andT2 mapping using gradient recalled acquisition in the steady state. Magnetic Resonance in Medicine, 2003, 49, 515-526.	1.9	642
280	Functional perfusion imaging using continuous arterial spin labeling with separate labeling and imaging coils at 3 T. Magnetic Resonance in Medicine, 2003, 49, 791-795.	1.9	56
281	Evaluation of systematic quantification errors in velocity-selective arterial spin labeling of the brain. Magnetic Resonance in Medicine, 2003, 50, 145-153.	1.9	65
282	Measurements of cerebral perfusion and arterial hemodynamics during visual stimulation using TURBO-TILT. Magnetic Resonance in Medicine, 2003, 50, 429-433.	1.9	63
283	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

#	Article	IF	CITATIONS
284	Breast tissue differentiation using arterial spin tagging. Magnetic Resonance in Medicine, 2003, 50, 966-975.	1.9	13
285	Improved spatial localization based on flow-moment-nulled and intra-voxel incoherent motion-weighted fMRI. NMR in Biomedicine, 2003, 16, 137-143.	1.6	27
286	The physiology and metabolism of neuronal activation: in vivo studies by NMR and other methods. Magnetic Resonance Imaging, 2003, 21, 1283-1293.	1.0	34
287	MRI of blood volume with MS 325 in experimental choroidal melanoma. Magnetic Resonance Imaging, 2003, 21, 725-732.	1.0	9
288	Susceptibility Contrast and Arterial Spin Labeled Perfusion MRI in Cerebrovascular Disease. Journal of Neuroimaging, 2003, 13, 17-27.	1.0	69
289	Direct Comparison of Local Cerebral Blood Flow Rates Measured by MRI Arterial Spin-Tagging and Quantitative Autoradiography in a Rat Model of Experimental Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 198-209.	2.4	63
290	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
291	Pixel-by-Pixel Spatiotemporal Progression of Focal Ischemia Derived Using Quantitative Perfusion and Diffusion Imaging. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 1479-1488.	2.4	119
292	Magnetic Resonance Imaging in Experimental Models of Brain Disorders. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 1383-1402.	2.4	126
293	Perfusion MR imaging: basic principles and clinical applications. Magnetic Resonance Imaging Clinics of North America, 2003, 11, 403-413.	0.6	81
294	Quantitative tissue perfusion measurements in head and neck carcinoma patients before and during radiation therapy with a non-invasive MR imaging spin-labeling technique. Radiotherapy and Oncology, 2003, 67, 27-34.	0.3	45
295	Perioperative changes in cerebral blood flow after cardiac surgery: influence of anemia and aging. Annals of Thoracic Surgery, 2003, 76, 2037-2042.	0.7	33
296	Imaging methods for evaluating brain function in man. Neurobiology of Aging, 2003, 24, S21-S35.	1.5	50
297	High-resolution functional magnetic resonance imaging of the animal brain. Methods, 2003, 30, 28-41.	1.9	55
298	ASL: Blood Perfusion Measurements Using Arterial Spin Labelling. , 0, , 455-473.		4
299	Structural, Functional, and Molecular MR Imaging of the Microvasculature. Annual Review of Biomedical Engineering, 2003, 5, 29-56.	5.7	65
300	Neuroimaging of animal models of brain disease. British Medical Bulletin, 2003, 65, 235-257.	2.7	36
301	Recent Advances in Magnetic Resonance Perfusion Imaging of the Lung. Topics in Magnetic Resonance Imaging, 2003, 14, 245-251.	0.7	10

#	Article	IF	Citations
302	Independent cerebral vasoconstrictive effects of hyperoxia and accompanying arterial hypocapnia at 1 ATA. Journal of Applied Physiology, 2003, 95, 2453-2461.	1.2	208
303	Perfusion imaging with arterial spin labelling. , 2003, , 161-174.		1
304	Age-Dependent Impairment of Somatosensory Response in the Amyloid Precursor Protein 23 Transgenic Mouse Model of Alzheimer's Disease. Journal of Neuroscience, 2003, 23, 8231-8236.	1.7	77
306	MRI detection of regional blood flow using arterial spin labeling. , 2004, , 119-140.		0
307	Artifacts and pitfalls in perfusion MR imaging. , 2004, , 141-160.		0
308	Diffusion and perfusion MR imaging in seizure disorders. , 2004, , 509-520.		1
309	ADVANCED PULSE SEQUENCE TECHNIQUES. , 2004, , 802-954.		11
310	Direct Comparison of Visual Cortex Activation in Human and Nonhuman Primates Using Functional Magnetic Resonance Imaging. Methods in Enzymology, 2004, 385, 102-134.	0.4	2
311	MRI Investigations of Graft Rejection Following Organ Transplantation Using Rodent Models. Methods in Enzymology, 2004, 386, 73-105.	0.4	18
312	MRI of Animal Models of Brain Disease. Methods in Enzymology, 2004, 386, 149-177.	0.4	11
313	Technical challenges in functional neuroimaging. , 0, , .		1
314	Influence of Isoflurane Concentration and Hypoxia on Functional Magnetic Resonance Imaging for the Detection of Bicuculline-Induced Neuronal Activation. NeuroSignals, 2004, 13, 144-149.	0.5	20
315	Contrast mechanisms and acquisition methods in functional MRI., 2004, 2004, 5219-22.		0
316	Arterial spin labeling for quantitative functional MRI., 2004, 2004, 5230-3.		3
317	Abnormalities of cerebral perfusion in multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2004, 75, 1288-1293.	0.9	115
318	Sustained Poststimulus Elevation in Cerebral Oxygen Utilization after Vascular Recovery. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 764-770.	2.4	152
319	Dynamic Imaging of Perfusion and Oxygenation by Functional Magnetic Resonance Imaging. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 1369-1381.	2.4	23
320	Perfusion-weighted magnetic resonance imaging of the brain: techniques and application in children. European Radiology, 2004, 14, 59-72.	2.3	61

#	Article	IF	Citations
321	T2-weighted MR imaging of prostate cancer: multishot echo-planar imaging vs fast spin-echo imaging. European Radiology, 2004, 14, 318-325.	2.3	19
322	Advances in functional MRI of the human brain. Progress in Nuclear Magnetic Resonance Spectroscopy, 2004, 44, 1-32.	3.9	19
325	Correlation between flow-sensitive alternating inversion recovery perfusion imaging with different inversion times and cerebral flow reserve evaluated by single-photon-emission computed tomography. Neuroradiology, 2004, 46, 649-54.	1.1	7
326	High-resolution myocardial perfusion mapping in small animals in vivo by spin-labeling gradient-echo imaging. Magnetic Resonance in Medicine, 2004, 51, 62-67.	1.9	83
327	Comparison of FAIR perfusion kinetics with DSC-MRI and functional histology in a model of transient ischemia. Magnetic Resonance in Medicine, 2004, 51, 312-320.	1.9	14
328	Fast, pseudo-continuous arterial spin labeling for functional imaging using a two-coil system. Magnetic Resonance in Medicine, 2004, 51, 577-585.	1.9	33
329	Perfusion MRI of U87 brain tumors in a mouse model. Magnetic Resonance in Medicine, 2004, 51, 893-899.	1.9	64
330	Efficiency of flow-driven adiabatic spin inversion under realistic experimental conditions: A computer simulation. Magnetic Resonance in Medicine, 2004, 51, 1187-1193.	1.9	29
331	Neuroprotective effects of an immunosuppressant agent on diffusion/perfusion mismatch in transient focal ischemia. Magnetic Resonance in Medicine, 2004, 51, 1173-1180.	1.9	14
332	Whole-brain 3D perfusion MRI at 3.0 T using CASL with a separate labeling coil. Magnetic Resonance in Medicine, 2004, 52, 131-140.	1.9	107
333	Determining the longitudinal relaxation time (T1) of blood at 3.0 Tesla. Magnetic Resonance in Medicine, 2004, 52, 679-682.	1.9	594
334	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
336	MRI of blood volume with superparamagnetic iron in choroidal melanoma treated with thermotherapy. Magnetic Resonance Imaging, 2004, 22, 779-787.	1.0	14
337	Cortical layer-dependent CBF changes induced by neural activity. International Congress Series, 2004, 1265, 201-210.	0.2	3
338	CBF changes during brain activation: fMRI vs. PET. NeuroImage, 2004, 22, 443-446.	2.1	89
339	Investigating the physiology of brain activation with MRI. , 2004, , .		0
340	Fast Patient Workup in Acute Stroke Using Parallel Imaging. Topics in Magnetic Resonance Imaging, 2004, 15, 207-219.	0.7	5
341	MRI measures of perfusion-related changes in human skeletal muscle during progressive contractions. Journal of Applied Physiology, 2004, 97, 2385-2394.	1.2	81

#	Article	IF	CITATIONS
342	Imaging of Metastatic Tumors of the Brain. , 0, , 71-98.		0
343	Functional Brain Mapping Options for Minimally Invasive Neurosurgery. , 2005, , 87-112.		0
344	Gradient-enhanced FAWSETS perfusion measurements. Journal of Magnetic Resonance, 2005, 175, 185-192.	1.2	4
345	Procedure for minimizing stress for fMRI studies in conscious rats. Journal of Neuroscience Methods, 2005, 148, 154-160.	1.3	199
346	Imaging physiological parameters with hyperpolarized gas MRI. Progress in Nuclear Magnetic Resonance Spectroscopy, 2005, 47, 187-212.	3.9	15
347	Nonlinear responses of cerebral blood volume, blood flow and blood oxygenation signals during visual stimulation. Magnetic Resonance Imaging, 2005, 23, 921-928.	1.0	31
348	Noninvasive Characterization of Myocardial Blood Flow in Diabetic, Hypertensive, and Diabetic–Hypertensive Rats Using Spin-Labeling MRI. Microcirculation, 2005, 12, 607-614.	1.0	32
349	Retinal vascular image analysis as a potential screening tool for cerebrovascular disease: a rationale based on homology between cerebral and retinal microvasculatures. Journal of Anatomy, 2005, 206, 319-348.	0.9	644
350	Characterization of the Effects of Adenosine Receptor Agonists on Cerebral Blood Flow in Uninjured and Traumatically Injured Rat Brain using Continuous Arterial Spin-Labeled Magnetic Resonance Imaging. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 1596-1612.	2.4	34
351	Continuous arterial spin labeling at the human common carotid artery: the influence of transit times. NMR in Biomedicine, 2005, 18, 19-23.	1.6	25
352	Disparity of activation onset in sensory cortex from simultaneous auditory and visual stimulation: Differences between perfusion and blood oxygenation level-dependent functional magnetic resonance imaging. Journal of Magnetic Resonance Imaging, 2005, 21, 111-117.	1.9	5
353	Continuous arterial spin labeling using a train of adiabatic inversion pulses. Journal of Magnetic Resonance Imaging, 2005, 21, 290-296.	1.9	32
354	In vivo assessment of myocardial blood flow in rat heart using magnetic resonance imaging: Effect of anesthesia. Journal of Magnetic Resonance Imaging, 2005, 22, 242-247.	1.9	48
355	Grading of CNS neoplasms using continuous arterial spin labeled perfusion MR imaging at 3 Tesla. Journal of Magnetic Resonance Imaging, 2005, 22, 475-482.	1.9	156
356	Arterial spin labeling: Validity testing and comparison studies. Journal of Magnetic Resonance Imaging, 2005, 22, 737-740.	1.9	31
357	Quantification of cerebral perfusion using arterial spin labeling: Two-compartment models. Journal of Magnetic Resonance Imaging, 2005, 22, 732-736.	1.9	64
358	Perfusion-based fMRI: Insights from animal models. Journal of Magnetic Resonance Imaging, 2005, 22, 745-750.	1.9	11
359	Quantifying CBF with arterial spin labeling. Journal of Magnetic Resonance Imaging, 2005, 22, 723-726.	1.9	131

#	Article	IF	CITATIONS
360	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
361	Myocardial blood flow mapping in mice using high-resolution spin labeling magnetic resonance imaging: Influence of ketamine/xylazine and isoflurane anesthesia. Magnetic Resonance in Medicine, 2005, 53, 601-606.	1.9	108
362	Four-phase single-capillary stepwise model for kinetics in arterial spin labeling MRI. Magnetic Resonance in Medicine, 2005, 53, 511-518.	1.9	45
363	Quantification of cerebral arterial blood volume and cerebral blood flow using MRI with modulation of tissue and vessel (MOTIVE) signals. Magnetic Resonance in Medicine, 2005, 54, 333-342.	1.9	<b>7</b> 5
364	Continuous ASL (CASL) perfusion MRI with an array coil and parallel imaging at 3T. Magnetic Resonance in Medicine, 2005, 54, 732-737.	1.9	84
365	Full-brainT1 mapping through inversion recovery fast spin echo imaging with time-efficient slice ordering. Magnetic Resonance in Medicine, 2005, 54, 725-731.	1.9	69
366	Murine orthostatic response during prolonged vertical studies: Effect on cerebral blood flow measured by arterial spin-labeled MRI. Magnetic Resonance in Medicine, 2005, 54, 798-806.	1.9	33
367	Principles of Magnetic Resonance Imaging. , 2005, , 17-28.		1
368	Experience in implementing continuous arterial spin labeling on a commercial MR scanner. Journal of Applied Clinical Medical Physics, 2005, 6, 94-100.	0.8	1
369	In vivo functional NMR imaging of resistance artery control. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H1028-H1036.	1.5	14
371	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
372	In vivomagnetic resonance imaging: insights into structure and function of the central nervous system. Measurement Science and Technology, 2005, 16, R17-R36.	1.4	9
374	Comparative Overview of Brain Perfusion Imaging Techniques. Stroke, 2005, 36, e83-99.	1.0	397
375	Quantification of perfusion fMRI using a numerical model of arterial spin labeling that accounts for dynamic transit time effects. Magnetic Resonance in Medicine, 2005, 54, 955-964.	1.9	26
376	CASL fMRI of subcortico-cortical perfusion changes during memory-guided finger sequences. Neurolmage, 2005, 25, 122-132.	2.1	44
377	Concurrent CBF and CMRGlc changes during human brain activation by combined fMRI–PET scanning. Neurolmage, 2005, 28, 500-506.	2.1	62
378	A three-compartment model of the hemodynamic response and oxygen delivery to brain. NeuroImage, 2005, 28, 925-939.	2.1	80
379	Comparative overview of brain perfusion imaging techniques. Journal of Neuroradiology, 2005, 32, 294-314.	0.6	141

#	Article	IF	CITATIONS
380	Diffusion-Weighted, Perfusion-Weighted, and Functional MR Imaging., 2005, , 1073-1114.		1
381	Dietary supplementation of omega-3 polyunsaturated fatty acids worsens forelimb motor function after intracerebral hemorrhage in rats. Experimental Neurology, 2005, 191, 119-127.	2.0	22
382	Foundations of advanced magnetic resonance imaging. NeuroRx, 2005, 2, 167-196.	6.0	73
383	Functional MRI in Epilepsy., 2005, , 281-298.		O
384	Application of Pharmacological MRI to Preclinical Drug Discovery and Development., 2008,, 855-877.		1
385	Ultra High Field Magnetic Resonance Imaging. Biological Magnetic Resonance, 2006, , .	0.4	53
386	Non-invasive measurement of perfusion: a critical review of arterial spin labelling techniques. British Journal of Radiology, 2006, 79, 688-701.	1.0	300
387	Effects of oxygen saturation on BOLD and arterial spin labelling perfusion fMRI signals studied in a motor activation task. Neurolmage, 2006, 30, 102-109.	2.1	31
388	Noninvasive quantification of cerebral blood volume in humans during functional activation. NeuroImage, 2006, 30, 377-387.	2.1	39
389	Continuous ASL perfusion fMRI investigation of higher cognition: Quantification of tonic CBF changes during sustained attention and working memory tasks. NeuroImage, 2006, 31, 376-385.	2.1	77
390	Physiological noise reduction for arterial spin labeling functional MRI. NeuroImage, 2006, 31, 1104-1115.	2.1	100
391	Intravascular effect in velocity-selective arterial spin labeling: The choice of inflow time and cutoff velocity. NeuroImage, 2006, 32, 122-128.	2.1	37
392	Arterial Spin Labeling: Benefits and Pitfalls of High Magnetic Field. Neuroimaging Clinics of North America, 2006, 16, 259-268.	0.5	82
393	Dynamic Susceptibility-Weighted Contrast-Enhanced Perfusion MR Imaging in Pediatric Patients. Neuroimaging Clinics of North America, 2006, 16, 137-147.	0.5	46
394	An analysis of four different methods of producing focal cerebral ischemia with endothelin-1 in the rat. Experimental Neurology, 2006, 201, 324-334.	2.0	147
395	The brain basis for episodic memory: Insights from functional MRI, intracranial EEG, and patients with epilepsy. Epilepsy and Behavior, 2006, 8, 115-126.	0.9	32
397	Functional Magnetic Resonance Imaging in Conscious Animals: A New Tool in Behavioural Neuroscience Research. Journal of Neuroendocrinology, 2006, 18, 307-318.	1.2	55
398	A Multiparametric Assessment of Oxygen Efflux from the Brain. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 79-91.	2.4	43

#	Article	IF	CITATIONS
399	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
400	Kalman filtering for reliable estimation of BBB permeability. Magnetic Resonance Imaging, 2006, 24, 1039-1049.	1.0	10
401	T1 Measurements incorporating flip angle calibration and correction in vivo. Journal of Magnetic Resonance, 2006, 182, 283-292.	1.2	69
402	An automated image-processing strategy to analyze dynamic arterial spin labeling perfusion studies. Application to human skeletal muscle under stress. Magnetic Resonance Imaging, 2006, 24, 941-951.	1.0	16
403	MR imaging of the pulmonary vasculatureâ€"an update. European Radiology, 2006, 16, 1374-1386.	2.3	39
404	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
405	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
407	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
408	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
409	Quantitative ASL muscle perfusion imaging using a FAIR-TrueFISP technique at 3.0 T. NMR in Biomedicine, 2006, 19, 125-132.	1.6	44
410	Structural MRI of carotid artery atherosclerotic lesion burden and characterization of hemispheric cerebral blood flow before and after carotid endarterectomy. NMR in Biomedicine, 2006, 19, 198-208.	1.6	30
411	Muscle blood flow and oxygenation measured by NMR imaging and spectroscopy. NMR in Biomedicine, 2006, 19, 954-967.	1.6	69
412	Continuous arterial spin labeling with separate labeling and imaging coils: Implementation using a single RF channel and amplifier. Concepts in Magnetic Resonance Part B, 2006, 29B, 145-152.	0.3	2
413	Fast perfusion measurements in rat skeletal muscle at rest and during exercise with single-voxel FAIR (flow-sensitive alternating inversion recovery). Magnetic Resonance in Medicine, 2006, 55, 108-115.	1.9	15
414	Application of selective saturation to image the dynamics of arterial blood flow during brain activation using magnetic resonance imaging. Magnetic Resonance in Medicine, 2006, 55, 816-825.	1.9	9
415	In vivo measurement of the longitudinal relaxation time of arterial blood (T1a) in the mouse using a pulsed arterial spin labeling approach. Magnetic Resonance in Medicine, 2006, 55, 943-947.	1.9	23
416	In vivo estimation of the flow-driven adiabatic inversion efficiency for continuous arterial spin labeling: A method using phase contrast magnetic resonance angiography. Magnetic Resonance in Medicine, 2006, 55, 1291-1297.	1.9	13
417	Quantification of cerebral arterial blood volume using arterial spin labeling with intravoxel incoherent motion-sensitive gradients. Magnetic Resonance in Medicine, 2006, 55, 1047-1057.	1.9	50

#	ARTICLE	IF	Citations
418	Quantitative lung perfusion mapping at 0.2 T using FAIR True-FISP MRI. Magnetic Resonance in Medicine, 2006, 55, 1065-1074.	1.9	39
419	Quantification of regional pulmonary blood flow using ASL-FAIRER. Magnetic Resonance in Medicine, 2006, 55, 1308-1317.	1.9	73
420	Detrimental effects of BOLD signal in arterial spin labeling fMRI at high field strength. Magnetic Resonance in Medicine, 2006, 56, 546-552.	1.9	97
421	Bayesian inference of hemodynamic changes in functional arterial spin labeling data. Magnetic Resonance in Medicine, 2006, 56, 891-906.	1.9	39
422	Theoretical and experimental investigation of the VASO contrast mechanism. Magnetic Resonance in Medicine, 2006, 56, 1261-1273.	1.9	142
423	Pulsed arterial spin labeling parameter optimization for an elderly population. Journal of Magnetic Resonance Imaging, 2006, 23, 398-403.	1.9	46
424	Frontiers of brain mapping using MRI. Journal of Magnetic Resonance Imaging, 2006, 23, 945-957.	1.9	58
425	Clinical applicability of functional MRI. Journal of Magnetic Resonance Imaging, 2006, 23, 808-815.	1.9	57
426	Noninvasive Measurements of Regional Cerebral Perfusion in Preterm and Term Neonates by Magnetic Resonance Arterial Spin Labeling. Pediatric Research, 2006, 60, 359-363.	1.1	100
427	Perfusion MR Imaging with FAIR True FISP Spin Labeling in Patients with and without Renal Artery Stenosis: Initial Experience. Radiology, 2006, 238, 1013-1021.	3.6	100
428	New Insight into Abnormal Muscle Vasodilatory Responses in Aged Hypertensive Rats by in vivo Nuclear Magnetic Resonance Imaging of Perfusion. Journal of Vascular Research, 2006, 43, 149-156.	0.6	17
429	Functional MRI of the kidney: tools for translational studies of pathophysiology of renal disease. American Journal of Physiology - Renal Physiology, 2006, 290, F958-F974.	1.3	103
430	Neural Substrates of Abstinence-Induced Cigarette Cravings in Chronic Smokers. Journal of Neuroscience, 2007, 27, 14035-14040.	1.7	227
431	RF power duty cycle restrictions of continuous arterial spin labeling coil for 7.0 tesla perfusion magnetic resonance imaging., 2007,,.		1
432	Underestimation of Cerebral Perfusion on Flow-Sensitive Alternating Inversion Recovery Image: Semiquantitative Evaluation with Time-to-Peak Values. American Journal of Neuroradiology, 2007, 28, 2008-2013.	1.2	31
433	Measurement of cerebral perfusion with arterial spin labeling: Part 2. Applications. Journal of the International Neuropsychological Society, 2007, 13, 526-38.	1.2	93
434	Theoretical Basis of Hemodynamic MR Imaging Techniques to Measure Cerebral Blood Volume, Cerebral Blood Flow, and Permeability. American Journal of Neuroradiology, 2007, 28, 1850-1858.	1.2	115
436	Altered Resting Cerebral Blood Flow in Adolescents With in Utero Cocaine Exposure Revealed by Perfusion Functional MRI. Pediatrics, 2007, 120, e1245-e1254.	1.0	70

#	Article	IF	Citations
437	Assessment of Vasculature of Meningiomas and the Effects of Embolization with Intra-arterial MR Perfusion Imaging: A Feasibility Study. American Journal of Neuroradiology, 2007, 28, 1771-1777.	1.2	37
438	Measurement of cerebral perfusion with arterial spin labeling: Part 1. Methods. Journal of the International Neuropsychological Society, 2007, 13, 517-25.	1.2	173
440	Quantitative Perfusion Imaging with Pulsed Arterial Spin Labeling: A Phantom Study. Magnetic Resonance in Medical Sciences, 2007, 6, 91-97.	1.1	23
441	Advances in Magnetic Resonance Neuroimaging Techniques in the Evaluation of Neonatal Encephalopathy. Topics in Magnetic Resonance Imaging, 2007, 18, 3-29.	0.7	36
442	Characterization of Focal Brain Lesions by Gradient-Echo Arterial Spin-Tagging Perfusion Imaging. Neuroradiology Journal, 2007, 20, 149-158.	0.6	1
443	Validation of diffuse correlation spectroscopy for muscle blood flow with concurrent arterial spin labeled perfusion MRI. Optics Express, 2007, 15, 1064.	1.7	198
444	Simultaneous laser Doppler flowmetry and arterial spin labeling MRI for measurement of functional perfusion changes in the cortex. NeuroImage, 2007, 34, 1391-1404.	2.1	17
445	CBF/CMRO2 coupling measured with calibrated BOLD fMRI: Sources of bias. NeuroImage, 2007, 36, 1110-1122.	2.1	66
446	Support vector machine learning-based fMRI data group analysis. NeuroImage, 2007, 36, 1139-1151.	2.1	116
447	Integrity of the Cerebral Blood-Flow Response to Hyperoxia After Cardiopulmonary Bypass. Journal of Cardiothoracic and Vascular Anesthesia, 2007, 21, 212-217.	0.6	7
448	Functional imaging with FENSI: Flowâ€enhanced signal intensity. Magnetic Resonance in Medicine, 2007, 58, 396-401.	1.9	9
449	Limbic Activation to Cigarette Smoking Cues Independent of Nicotine Withdrawal: A Perfusion fMRI Study. Neuropsychopharmacology, 2007, 32, 2301-2309.	2.8	337
450	Genetic Variation in Serotonin Transporter Alters Resting Brain Function in Healthy Individuals. Biological Psychiatry, 2007, 62, 600-606.	0.7	131
452	Modeling dynamic cerebral blood volume changes during brain activation on the basis of the blood-nulled functional MRI signal. NMR in Biomedicine, 2007, 20, 643-651.	1.6	6
453	Application of MRS to mouse models of neurodegenerative illness. NMR in Biomedicine, 2007, 20, 216-237.	1.6	119
454	Measurement of cerebral perfusion territories using arterial spin labelling. NMR in Biomedicine, 2007, 20, 633-642.	1.6	48
455	Imaging brain activity during natural vision using CASL perfusion fMRI. Human Brain Mapping, 2007, 28, 593-601.	1.9	34
456	What levels of precision are achievable for quantification of perfusion and capillary permeability surface area product using ASL?. Magnetic Resonance in Medicine, 2007, 58, 281-289.	1.9	34

#	Article	IF	CITATIONS
457	Quantitative description of the asymmetry in magnetization transfer effects around the water resonance in the human brain. Magnetic Resonance in Medicine, 2007, 58, 786-793.	1.9	196
458	A theoretical and experimental investigation of the tagging efficiency of pseudocontinuous arterial spin labeling. Magnetic Resonance in Medicine, 2007, 58, 1020-1027.	1.9	429
459	Time-courses of perfusion and phosphocreatine in rat leg during low-level exercise and recovery. Journal of Magnetic Resonance Imaging, 2007, 25, 1021-1027.	1.9	10
460	Accuracy of blood flow values determined by arterial spin labeling: A validation study in isolated porcine kidneys. Journal of Magnetic Resonance Imaging, 2007, 26, 353-358.	1.9	25
461	Neuro MR: Principles. Journal of Magnetic Resonance Imaging, 2007, 26, 823-837.	1.9	56
462	Physiological changes of the human uterine myometrium during menstrual cycle: Preliminary evaluation using BOLD MR imaging. Journal of Magnetic Resonance Imaging, 2007, 26, 695-700.	1.9	23
463	Clinical neuroimaging using arterial spin-labeled perfusion magnetic resonance imaging. Neurotherapeutics, 2007, 4, 346-359.	2.1	209
464	Quantification of cerebral blood flow in nonhuman primates using arterial spin labeling and a two-compartment model. Magnetic Resonance Imaging, 2007, 25, 775-783.	1.0	22
465	Improved Reperfusion and Neuroprotection by Creatine in a Mouse Model of Stroke. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 452-459.	2.4	109
466	Feasibility of Velocity Selective Arterial Spin Labeling in Functional MRI. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 831-838.	2.4	33
467	Quantitative regional cerebral blood flow MRI of animal model of attention-deficit/hyperactivity disorder. Brain Research, 2007, 1150, 217-224.	1.1	26
468	Presurgical Functional Magnetic Resonance Imaging (fMRI). Klinische Neuroradiologie, 2007, 17, 69-87.	0.9	13
469	A Primer on Functional Magnetic Resonance Imaging. Neuropsychology Review, 2007, 17, 107-125.	2.5	59
470	Reproducibility of continuous arterial spin labeling perfusion MRI after 7 weeks. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2007, 20, 103-115.	1.1	59
471	In vivo measurement of tissue damage, oxygen saturation changes and blood flow changes after experimental traumatic brain injury in rats using susceptibility weighted imaging. Magnetic Resonance Imaging, 2007, 25, 219-227.	1.0	82
472	Clinical Functional Magnetic Resonance Imaging (fMRI). Klinische Neuroradiologie, 2008, 18, 45-53.	0.9	7
473	Transit delay and flow quantification in muscle with continuous arterial spin labeling perfusionâ€MRI. Journal of Magnetic Resonance Imaging, 2008, 28, 445-452.	1.9	29
474	Mapping of vertebral artery perfusion territories using arterial spin labeling MRI. Journal of Magnetic Resonance Imaging, 2008, 28, 762-766.	1.9	26

#	Article	IF	Citations
475	T1â€weighted functional imaging based on a contrast agent in presurgical mapping. Journal of Magnetic Resonance Imaging, 2008, 28, 1245-1250.	1.9	4
476	Magnetic Resonance Methods and Applications in Pharmaceutical Research. Journal of Pharmaceutical Sciences, 2008, 97, 3637-3665.	1.6	15
477	VASOâ€based calculations of CBV change: Accounting for the dynamic CSF volume. Magnetic Resonance in Medicine, 2008, 59, 308-315.	1.9	50
478	Modeling and optimization of lookâ€locker spin labeling for measuring perfusion and transit time changes in activation studies taking into account arterial blood volume. Magnetic Resonance in Medicine, 2008, 59, 316-325.	1.9	56
479	Pittfalls of MRI measurement of white matter perfusion based on arterial spin labeling. Magnetic Resonance in Medicine, 2008, 59, 788-795.	1.9	159
480	Optimal design of pulsed arterial spin labeling MRI experiments. Magnetic Resonance in Medicine, 2008, 59, 826-834.	1.9	41
481	Spinal cord blood flow measurement by arterial spin labeling. Magnetic Resonance in Medicine, 2008, 59, 846-854.	1.9	38
482	Minimizing acquisition time of arterial spin labeling at 3T. Magnetic Resonance in Medicine, 2008, 59, 1467-1471.	1.9	77
483	Modeling the effects of dispersion and pulsatility of blood flow in pulsed arterial spin labeling. Magnetic Resonance in Medicine, 2008, 60, 53-63.	1.9	37
484	Evaluation of MRI models in the measurement of CMRO (sub) 2 (sub) and its relationship with CBF. Magnetic Resonance in Medicine, 2008, 60, 380-389.	1.9	77
485	Linear leastâ€squares method for unbiased estimation of <i>T</i> <sub>1</sub> from SPGR signals. Magnetic Resonance in Medicine, 2008, 60, 496-501.	1.9	58
486	Anesthetic effects on regional CBF, BOLD, and the coupling between taskâ€induced changes in CBF and BOLD: An fMRI study in normal human subjects. Magnetic Resonance in Medicine, 2008, 60, 987-996.	1.9	45
487	Continuous flowâ€driven inversion for arterial spin labeling using pulsed radio frequency and gradient fields. Magnetic Resonance in Medicine, 2008, 60, 1488-1497.	1.9	872
488	Mapping of the cerebral vascular response to hypoxia and hypercapnia using quantitative perfusion MRI at 3 T. NMR in Biomedicine, 2008, 21, 464-472.	1.6	56
489	Experimental comparison of four FAIR arterial spin labeling techniques for quantification of mouse cerebral blood flow at 4.7 T. NMR in Biomedicine, 2008, 21, 781-792.	1.6	28
490	An inexpensive and programmable RF transmitter setup for twoâ€coil CASL. Concepts in Magnetic Resonance Part B, 2008, 33B, 228-235.	0.3	7
491	Noninvasive measurement of the cerebral blood flow response in human lateral geniculate nucleus with arterial spin labeling fMRI. Human Brain Mapping, 2008, 29, 1207-1214.	1.9	10
492	Spatial nonuniformity of the resting CBF and BOLD responses to sevoflurane: In vivo study of normal human subjects with magnetic resonance imaging. Human Brain Mapping, 2008, 29, 1390-1399.	1.9	20

#	Article	IF	CITATIONS
493	Empirical optimization of ASL data analysis using an ASL data processing toolbox: ASLtbx. Magnetic Resonance Imaging, 2008, 26, 261-269.	1.0	406
494	Validation study of a pulsed arterial spin labeling technique by comparison to perfusion computed tomography. Magnetic Resonance Imaging, 2008, 26, 543-553.	1.0	31
495	Model-free arterial spin labelling for cerebral blood flow quantification: introduction of regional arterial input functions identified by factor analysis. Magnetic Resonance Imaging, 2008, 26, 554-559.	1.0	4
496	Usefulness of pulsed arterial spin labeling MR imaging in mesial temporal lobe epilepsy. Epilepsy Research, 2008, 82, 183-189.	0.8	73
497	Quantitative, dynamic and noninvasive determination of skeletal muscle perfusion in mouse leg by NMR arterial spin-labeled imaging. Magnetic Resonance Imaging, 2008, 26, 1259-1265.	1.0	16
498	The Effect of Labeling Parameters on Perfusion-Based fMRI in Nonhuman Primates. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 640-652.	2.4	40
499	Migraine Associated Cerebral Hyperperfusion with Arterial Spin-Labeled MR Imaging. American Journal of Neuroradiology, 2008, 29, 1494-1497.	1.2	74
500	Arterial Spin-Labeling in Routine Clinical Practice, Part 1: Technique and Artifacts. American Journal of Neuroradiology, 2008, 29, 1228-1234.	1.2	269
503	Nicotine abstinence-induced cerebral blood flow changes by genotype. Neuroscience Letters, 2008, 438, 275-280.	1.0	37
504	Quantification of pain-induced changes in cerebral blood flow by perfusion MRI. Pain, 2008, 136, 85-96.	2.0	70
505	A flow sensitive alternating inversion recovery (FAIR)-MRI protocol to measure hemispheric cerebral blood flow in a mouse stroke model. Experimental Neurology, 2008, 210, 118-127.	2.0	36
506	Neuroimaging, genetics and the treatment of nicotine addiction. Behavioural Brain Research, 2008, 193, 159-169.	1.2	23
507	Regional differences in the coupling of cerebral blood flow and oxygen metabolism changes in response to activation: Implications for BOLD-fMRI. NeuroImage, 2008, 39, 1510-1521.	2.1	143
508	MR Urography: Technique and Results for the Evaluation of Urinary Obstruction in the Pediatric Population. Magnetic Resonance Imaging Clinics of North America, 2008, 16, 643-660.	0.6	23
509	Pulsed arterial spin labeling applications in brain tumors: Practical review. Journal of Neuroradiology, 2008, 35, 79-89.	0.6	42
510	Anoxic Injury-Associated Cerebral Hyperperfusion Identified with Arterial Spin-Labeled MR Imaging. American Journal of Neuroradiology, 2008, 29, 1302-1307.	1.2	48
511	Temporal MRI Assessment of Intracerebral Hemorrhage in Rats. Stroke, 2008, 39, 2596-2602.	1.0	37
512	Hyperemic flow heterogeneity within the calf, foot, and forearm measured with continuous arterial spin labeling MRI. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H2129-H2136.	1.5	30

#	Article	IF	CITATIONS
513	Noninvasive Imaging of Quantitative Cerebral Blood Flow Changes during 100% Oxygen Inhalation Using Arterial Spin-Labeling MR Imaging. American Journal of Neuroradiology, 2008, 29, 663-667.	1.2	37
514	Direct estimation of evoked hemoglobin changes by multimodality fusion imaging. Journal of Biomedical Optics, 2008, 13, 054031.	1.4	29
515	Magnetic Resonance Imaging Techniques: fMRI, DWI, and PWI. Seminars in Neurology, 2008, 28, 395-406.	0.5	58
516	Lessons from fMRI about Mapping Cortical Columns. Neuroscientist, 2008, 14, 287-299.	2.6	20
517	Effect of Inducible Nitric Oxide Synthase on Cerebral Blood Flow after Experimental Traumatic Brain Injury in Mice. Journal of Neurotrauma, 2008, 25, 299-310.	1.7	26
518	Clinical Implementation of Spin-Tag Perfusion Magnetic Resonance Imaging. Journal of Computer Assisted Tomography, 2008, 32, 403-406.	0.5	18
519	Arterial Spin-Labeled Magnetic Resonance Imaging in Hyperperfused Seizure Focus. Journal of Computer Assisted Tomography, 2008, 32, 291-292.	0.5	26
520	Preclinical MRI and NMR Biomarkers of Alzheimer's Disease: Concepts and Applications. Magnetic Resonance Insights, 2008, 2, MRI.S971.	2.5	2
521	Perfusion MRI., 2009, , 543-549.		1
522	Functional Magnetic Resonance Imaging. , 0, , 377-391.		0
523	Cerebral blood flow and brain activation. , 0, , 34-64.		0
524	Imaging functional activity. , 0, , 101-116.		0
525	Detection of regional blood flow using arterial spin labeling., 0,, 94-112.		0
526	Artifacts and pitfalls in perfusion MR imaging. , 0, , 137-155.		2
527	Arterial spin labeling techniques., 0,, 307-338.		0
528	Physiological MR to evaluate HIV-associated brain disorders. , 0, , 501-518.		1
529	Diffusion and perfusion MR imaging in seizure disorders. , 0, , 546-560.		0
530	Arterial Spin-Label Imaging in Patients with Normal Bolus Perfusion-weighted MR Imaging Findings: Pilot Identification of the Borderzone Sign. Radiology, 2009, 252, 797-807.	3.6	83

#	Article	IF	CITATIONS
531	Simultaneous Measurement of Arterial Transit Time, Arterial Blood Volume, and Cerebral Blood Flow Using Arterial Spin-Labeling in Patients with Alzheimer Disease. American Journal of Neuroradiology, 2009, 30, 1388-1393.	1.2	90
532	Blood Flow Magnetic Resonance Imaging of Retinal Degeneration. , 2009, 50, 1824.		33
533	SEVEN TOPICS IN FUNCTIONAL MAGNETIC RESONANCE IMAGING. Journal of Integrative Neuroscience, 2009, 08, 371-403.	0.8	22
534	Bolus-tracking arterial spin labelling: theoretical and experimental results. Physics in Medicine and Biology, 2009, 54, 1235-1251.	1.6	14
535	Autoimmune Thyroid Disease: Arterial Spin-labeling Perfusion MR Imaging. Radiology, 2009, 253, 435-442.	3.6	23
536	Neurocognitive Consequences of Sleep Deprivation. Seminars in Neurology, 2009, 29, 320-339.	0.5	1,127
537	DAT Genotype Modulates Brain and Behavioral Responses Elicited by Cigarette Cues. Neuropsychopharmacology, 2009, 34, 717-728.	2.8	89
538	Magnetic Resonance Imaging Studies of Cigarette Smoking. Handbook of Experimental Pharmacology, 2009, , 113-143.	0.9	55
539	Magnetic Resonance Imaging Techniques in White Matter Disease. Topics in Magnetic Resonance Imaging, 2009, 20, 301-312.	0.7	11
540	Magnetic Resonance Imaging in Multiple Sclerosis. Topics in Magnetic Resonance Imaging, 2009, 20, 313-323.	0.7	5
541	Physiological Modulations in Arterial Spin Labeling Perfusion Magnetic Resonance Imaging. IEEE Transactions on Medical Imaging, 2009, 28, 703-709.	5.4	42
542	Modeling the Effects of Flow Dispersion in Arterial Spin Labeling. IEEE Transactions on Biomedical Engineering, 2009, 56, 1635-1643.	2.5	16
543	Magnetic resonance imaging as a biomarker in renal cell carcinoma. Cancer, 2009, 115, 2334-2345.	2.0	77
544	Measurement of deep gray matter perfusion using a segmented true–fast imaging with steadyâ€state precession (Trueâ€FISP) arterial spinâ€labeling (ASL) method at 3T. Journal of Magnetic Resonance Imaging, 2009, 29, 1425-1431.	1.9	14
545	Potential role of highâ€field MRI for studies in Parkinson's disease. Movement Disorders, 2009, 24, S684-90.	2,2	25
546	Variation in the shape of pulsed arterial spin labeling kinetic curves across the healthy human brain and its implications for CBF quantification. Magnetic Resonance in Medicine, 2009, 61, 686-695.	1.9	21
547	Strategies for reducing respiratory motion artifacts in renal perfusion imaging with arterial spin labeling. Magnetic Resonance in Medicine, 2009, 61, 1374-1387.	1.9	97
548	Age-related peridural hyperemia in craniosynostotic rabbits. Child's Nervous System, 2009, 25, 861-866.	0.6	5

#	Article	IF	CITATIONS
549	Pancreatic perfusion of healthy individuals and type 1 diabetic patients as assessed by magnetic resonance perfusion imaging. Diabetologia, 2009, 52, 1561-1565.	2.9	22
550	Magnetic Resonance Imaging Assessment of Regional Cerebral Blood Flow after Asphyxial Cardiac Arrest in Immature Rats. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 197-205.	2.4	78
551	Characterizing the Origin of the Arterial Spin Labelling Signal in MRI Using a Multiecho Acquisition Approach. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 1836-1845.	2.4	33
552	What's New in Neuroimaging Methods?. Annals of the New York Academy of Sciences, 2009, 1156, 260-293.	1.8	181
553	Quantification of slow flow using FAIR. Magnetic Resonance Imaging, 2009, 27, 587-593.	1.0	1
554	Comparison of pulsed arterial spin labeling encoding schemes and absolute perfusion quantification. Magnetic Resonance Imaging, 2009, 27, 1039-1045.	1.0	72
555	Arterial spin labelling at 3-T MR imaging for detection of individuals with Alzheimer's disease. European Radiology, 2009, 19, 2819-2825.	2.3	81
556	Low prefrontal perfusion linked to depression symptoms in methadone-maintained opiate-dependent patients. Drug and Alcohol Dependence, 2009, 99, 11-17.	1.6	12
557	Latent state–trait structure of cerebral blood flow in a resting state. Biological Psychology, 2009, 80, 196-202.	1.1	17
558	Differential age effects on cerebral blood flow and BOLD response to encoding: Associations with cognition and stroke risk. Neurobiology of Aging, 2009, 30, 1276-1287.	1.5	82
559	Current trends and challenges in MRI acquisitions to investigate brain function. International Journal of Psychophysiology, 2009, 73, 33-42.	0.5	26
560	Skeletal Muscle Microvascular Flow in Progressive Peripheral Artery Disease. Journal of the American College of Cardiology, 2009, 53, 2372-2377.	1.2	74
561	Pulmonary MR Angiography Techniques and Applications. Magnetic Resonance Imaging Clinics of North America, 2009, 17, 101-131.	0.6	16
562	Neuroimaging of Pediatric Brain Tumors: From Basic to Advanced Magnetic Resonance Imaging (MRI). Journal of Child Neurology, 2009, 24, 1343-1365.	0.7	102
563	fMRI Techniques and Protocols. Neuromethods, 2009, , .	0.2	14
564	A Feasibility Study on Model-based Evaluation of Kidney Perfusion Measured by Means of FAIR Prepared True-FISP Arterial Spin Labeling (ASL) on a 3-T MR Scanner. Academic Radiology, 2009, 16, 79-87.	1.3	26
565	Assessment of thalamic perfusion in patients with mild traumatic brain injury by true FISP arterial spin labelling MR imaging at 3T. Brain Injury, 2009, 23, 666-674.	0.6	127
566	Time-dependent correlation of cerebral blood flow with oxygen metabolism in activated human visual cortex as measured by fMRI. NeuroImage, 2009, 44, 16-22.	2.1	49

#	Article	lF	Citations
567	Static and dynamic characteristics of cerebral blood flow during the resting state. NeuroImage, 2009, 48, 515-524.	2.1	175
568	Survey of the Visual Exploration and Analysis of Perfusion Data. IEEE Transactions on Visualization and Computer Graphics, 2009, 15, 205-220.	2.9	28
569	Arterial Spin-Labeled MR Perfusion Imaging: Clinical Applications. Magnetic Resonance Imaging Clinics of North America, 2009, 17, 315-338.	0.6	135
571	A new linear least squares method for T1 estimation from SPGR signals with multiple TRs. , 2009, , .		0
573	Arterial spin-labeled perfusion MRI in basic and clinical neuroscience. Current Opinion in Neurology, 2009, 22, 348-355.	1.8	188
574	Diagnosis of Alzheimer's Disease: Two MRI-Based Approaches. Neuroradiology Journal, 2010, 23, 547-553.	0.6	0
575	Hemodynamic Studies of Intracranial Dural Arteriovenous Fistulas Using Arterial Spin-Labeling MR Imaging. Interventional Neuroradiology, 2010, 16, 409-419.	0.7	15
576	Flow measurement in MRI using arterial spin labeling with cumulative readout pulses—Theory and validation. Medical Physics, 2010, 37, 5801-5810.	1.6	9
577	Interpreting oxygenation-based neuroimaging signals: the importance and the challenge of understanding brain oxygen metabolism. Frontiers in Neuroenergetics, 2010, 2, 8.	5.3	159
578	Arterial Spin Labeling Blood Flow MRI: Its Role in the Early Characterization of Alzheimer's Disease. Journal of Alzheimer's Disease, 2010, 20, 871-880.	1.2	189
579	Magnetic resonance perfusion imaging without contrast media. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 52-64.	3.3	47
581	On the sensitivity of ASL MRI in detecting regional differences in cerebral blood flow. Magnetic Resonance Imaging, 2010, 28, 928-935.	1.0	93
582	Magnetic resonance imaging of brain angiogenesis after stroke. Angiogenesis, 2010, 13, 101-111.	3.7	76
583	Quantitative Temporal Profiles of Penumbra and Infarction During Permanent Middle Cerebral Artery Occlusion in Rats. Translational Stroke Research, 2010, 1, 220-229.	2.3	36
584	Structural, Metabolic, and Functional Brain Abnormalities as a Result of Prenatal Exposure to Drugs of Abuse: Evidence from Neuroimaging. Neuropsychology Review, 2010, 20, 376-397.	2.5	55
585	Basic Principles and Concepts Underlying Recent Advances in Magnetic Resonance Imaging of the Developing Brain. Seminars in Perinatology, 2010, 34, 3-19.	1.1	32
586	The pain matrix: Reloaded or reborn as we image tonic pain using arterial spin labelling. Pain, 2010, 148, 359-360.	2.0	81
587	Volumetric cerebral perfusion imaging in healthy adults: Regional distribution, laterality, and repeatability of pulsed continuous arterial spin labeling (PCASL). Psychiatry Research - Neuroimaging, 2010, 182, 266-273.	0.9	61

#	Article	IF	CITATIONS
588	Pathophysiologic evaluation of MELAS strokes by serially quantified MRS and CASL perfusion images. Brain and Development, 2010, 32, 143-149.	0.6	46
589	Arterial spin labeling at ultraâ€high field: All that glitters is not gold. International Journal of Imaging Systems and Technology, 2010, 20, 62-70.	2.7	30
590	Apparent diffusion coefficient dependent fMRI: Spatiotemporal characteristics and implications on calibrated fMRI. International Journal of Imaging Systems and Technology, 2010, 20, 42-50.	2.7	2
591	Intravoxel partially coherent motion technique: Characterization of the anisotropy of skeletal muscle microvasculature. Journal of Magnetic Resonance Imaging, 2010, 31, 942-953.	1.9	62
592	Improved pseudo ontinuous arterial spin labeling for mapping brain perfusion. Journal of Magnetic Resonance Imaging, 2010, 31, 1419-1427.	1.9	21
593	Decreased ventral striatal activity with impulse control disorders in Parkinson's disease. Movement Disorders, 2010, 25, 1660-1669.	2.2	138
594	Effects of CBV, CBF, and blood-brain barrier permeability on accuracy of PASL and VASO measurement. Magnetic Resonance in Medicine, 2010, 63, 601-608.	1.9	21
595	Theoretical and experimental evaluation of continuous arterial spin labeling techniques. Magnetic Resonance in Medicine, 2010, 63, 438-446.	1.9	24
596	Estimation of labeling efficiency in pseudocontinuous arterial spin labeling. Magnetic Resonance in Medicine, 2010, 63, 765-771.	1.9	216
597	In vivo hadamard encoded continuous arterial spin labeling (H-CASL). Magnetic Resonance in Medicine, 2010, 63, 1111-1118.	1.9	58
598	Reduction of errors in ASL cerebral perfusion and arterial transit time maps using image deâ€noising. Magnetic Resonance in Medicine, 2010, 64, 715-724.	1.9	43
599	Combined arterial spin label and dynamic susceptibility contrast measurement of cerebral blood flow. Magnetic Resonance in Medicine, 2010, 63, 1548-1556.	1.9	54
600	Modified pulsed continuous arterial spin labeling for labeling of a single artery. Magnetic Resonance in Medicine, 2010, 64, 975-982.	1.9	38
601	Fast inversion recovery magnetic resonance angiography of the intracranial arteries. Magnetic Resonance in Medicine, 2010, 63, 1648-1658.	1.9	9
602	Multiphase pseudocontinuous arterial spin labeling (MPâ€PCASL) for robust quantification of cerebral blood flow. Magnetic Resonance in Medicine, 2010, 64, 799-810.	1.9	90
603	Simultaneous acquisition of gradient echo/spin echo BOLD and perfusion with a separate labeling coil. Magnetic Resonance in Medicine, 2010, 64, 1827-1831.	1.9	3
604	Highâ€field continuous arterial spin labeling with long labeling duration: Reduced confounds from blood transit time and postlabeling delay. Magnetic Resonance in Medicine, 2010, 64, 1557-1566.	1.9	10
605	Perfusion in rat brain at 7 T with arterial spin labeling using FAIR-TrueFISP and QUIPSS. Magnetic Resonance Imaging, 2010, 28, 607-612.	1.0	8

#	Article	IF	CITATIONS
606	Absolute quantification of cerebral blood flow: correlation between dynamic susceptibility contrast MRI and model-free arterial spin labeling. Magnetic Resonance Imaging, 2010, 28, 1-7.	1.0	42
607	Outcome of experimental stroke in C57Bl/6 and Sv/129 mice assessed by multimodal ultra-high field MRI. Experimental & Translational Stroke Medicine, 2010, 2, 6.	3.2	12
608	Functional assessment of skeletal muscle in intact mice lacking myostatin by concurrent NMR imaging and spectroscopy. Gene Therapy, 2010, 17, 328-337.	2.3	27
609	Arterial Spin Labeling Perfusion MRI at Multiple Delay Times: A Correlative Study with H <sub>2</sub> <sup>15</sup> O Positron Emission Tomography in Patients with Symptomatic Carotid Artery Occlusion. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 222-229.	2.4	117
610	Correlating Tissue Outcome with Quantitative Multiparametric MRI of Acute Cerebral Ischemia in Rats. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 415-427.	2.4	32
611	Quantitative Functional Magnetic Resonance Imaging of Brain Activity Using Bolus-Tracking Arterial Spin Labeling. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 913-922.	2.4	21
612	Neurovascular and neurometabolic couplings in dynamic calibrated fMRI: transient oxidative neuroenergetics for block-design and event-related paradigms. Frontiers in Neuroenergetics, 2010, 2, .	5.3	31
613	A Comparative Study of Perfusion Measurement in Brain Tumours at 3 Tesla MR: Arterial Spin Labeling versus Dynamic Susceptibility Contrast-Enhanced MRI. European Neurology, 2010, 64, 21-26.	0.6	66
614	Resting-State Perfusion in Nonmedicated Schizophrenic Patients: A Continuous Arterial Spin-labeling 3.0-T MR Study. Radiology, 2010, 256, 253-260.	3.6	81
615	Initial Experience in Using Continuous Arterial Spin-Labeled MR Imaging for Early Detection of Alzheimer Disease. American Journal of Neuroradiology, 2010, 31, 847-855.	1.2	31
616	Symptomatic Carotid Artery Stenosis: Impairment of Cerebral Autoregulation Measured at the Brain Tissue Level with Arterial Spin-labeling MR Imaging. Radiology, 2010, 256, 201-208.	3.6	71
617	Propofol allows precise quantitative arterial spin labelling functional magnetic resonance imaging in the rat. NeuroImage, 2010, 51, 1395-1404.	2.1	20
618	Joint analysis of structural and perfusion MRI for cognitive assessment and classification of Alzheimer's disease and normal aging. NeuroImage, 2010, 52, 186-197.	2.1	33
619	Joint Independent Component Analysis of Brain Perfusion and Structural Magnetic Resonance Images in Dementia. , 2010, , .		0
620	Validation of diffuse correlation spectroscopy measurements of rodent cerebral blood flow with simultaneous arterial spin labeling MRI; towards MRI-optical continuous cerebral metabolic monitoring. Biomedical Optics Express, 2010, 1, 553.	1.5	111
621	Diffusion and perfusion MRI of the lung and mediastinum. European Journal of Radiology, 2010, 76, 329-336.	1.2	<b>7</b> 5
622	Enhanced cortical reperfusion protects coagulation factor XII-deficient mice from ischemic stroke as revealed by high-field MRI. Neurolmage, 2010, 49, 2907-2914.	2.1	46
623	Dynamic subcortical blood flow during male sexual activity with ecological validity: A perfusion fMRI study. NeuroImage, 2010, 50, 208-216.	2.1	70

#	Article	IF	Citations
624	Correlating quantitative MR measurements of standardized tumor lines with histological parameters and tumor control dose. Radiotherapy and Oncology, 2010, 96, 123-130.	0.3	12
625	Mixed perfusion: A combined blood supply to the brain tissue by multiple arteries. Journal of Neuroradiology, 2010, 37, 201-210.	0.6	5
626	Simultaneous Arterial Spin Labeling Cerebral Blood Flow and Morphological Assessments for Detection of Alzheimer's Disease. Academic Radiology, 2011, 18, 1492-1499.	1.3	21
627	Overview of Functional Magnetic Resonance Imaging. Neurosurgery Clinics of North America, 2011, 22, 133-139.	0.8	532
628	Arterial Spin Label Imaging of Acute Ischemic Stroke and Transient Ischemic Attack. Neuroimaging Clinics of North America, 2011, 21, 285-301.	0.5	61
629	Can neuroimaging studies identify pain endophenotypes in humans?. Nature Reviews Neurology, 2011, 7, 173-181.	4.9	146
630	Combining EEG and fMRI. Methods in Molecular Biology, 2011, 711, 303-326.	0.4	38
631	Pseudocontinuous arterial spin labeling perfusion magnetic resonance imaging—A normative study of reproducibility in the human brain. Neurolmage, 2011, 56, 1244-1250.	2.1	49
632	Arterial spin labeling for motor activation mapping at 3T with a 32-channel coil: Reproducibility and spatial accuracy in comparison with BOLD fMRI. NeuroImage, 2011, 58, 157-167.	2.1	42
633	Effects of transcranial direct current stimulation (tDCS) on human regional cerebral blood flow. NeuroImage, 2011, 58, 26-33.	2.1	340
634	Neuroimaging of the human visceral pain system–A methodological review. Scandinavian Journal of Pain, 2011, 2, 95-104.	0.5	21
635	Patterns of altered cortical perfusion and diminished subcortical integrity in posttraumatic stress disorder: An MRI study. Neurolmage, 2011, 54, S62-S68.	2.1	137
636	Regional reproducibility of pulsed arterial spin labeling perfusion imaging at 3T. Neurolmage, 2011, 54, 1188-1195.	2.1	79
637	Multi-parametric neuroimaging reproducibility: A 3-T resource study. NeuroImage, 2011, 54, 2854-2866.	2.1	318
638	Age-associated reductions in cerebral blood flow are independent from regional atrophy. Neurolmage, 2011, 55, 468-478.	2.1	309
639	Brain Imaging in Behavioral Medicine and Clinical Neuroscience. , 2011, , .		7
643	Arterial spin-labeling MR imaging in moyamoya disease compared with SPECT imaging. European Journal of Radiology, 2011, 80, e557-e562.	1.2	79
644	Reproducibility of renal perfusion MR imaging in native and transplanted kidneys using nonâ€contrast arterial spin labeling. Journal of Magnetic Resonance Imaging, 2011, 33, 1414-1421.	1.9	54

#	Article	IF	CITATIONS
645	Functional Renal Imaging: New Trends in Radiology and Nuclear Medicine. Seminars in Nuclear Medicine, 2011, 41, 61-72.	2.5	26
646	Principles and Technical Aspects of Perfusion Magnetic Resonance Imaging. Journal of the Korean Society of Magnetic Resonance in Medicine, 2011, 15, 91.	0.1	6
647	Arterial Spin Labeling Perfusion MRI in Alzheimers Disease. Current Medical Imaging, 2011, 7, 62-72.	0.4	3
648	Joint Assessment of Structural, Perfusion, and Diffusion MRI in Alzheimer's Disease and Frontotemporal Dementia. International Journal of Alzheimer's Disease, 2011, 2011, 1-11.	1.1	58
649	Applications of Arterial Spin Labelling in Mild Cognitive Impairment, Alzheimers Disease and Other Forms of Dementia. Current Medical Imaging, 2011, 7, 73-79.	0.4	0
650	Quantification of Perfusion Changes during a Motor Task Using Arterial Spin Labeling. Neuroradiology Journal, 2011, 24, 85-91.	0.6	2
651	Effects on resting cerebral blood flow and functional connectivity induced by metoclopramide: a perfusion MRI study in healthy volunteers. British Journal of Pharmacology, 2011, 163, 1639-1652.	2.7	43
652	Comparison of selective arterial spin labeling using 1D and 2D tagging RF pulses. Zeitschrift Fur Medizinische Physik, 2011, 21, 26-32.	0.6	2
653	Arterial spin labeling and dynamic susceptibility contrast CBF MRI in postischemic hyperperfusion, hypercapnia, and after mannitol injection. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1403-1411.	2.4	45
654	Serotonin transporter genotype modulates the association between depressive symptoms and amygdala activity among psychiatrically healthy adults. Psychiatry Research - Neuroimaging, 2011, 193, 161-167.	0.9	17
655	Resting quantitative cerebral blood flow in schizophrenia measured by pulsed arterial spin labeling perfusion MRI. Psychiatry Research - Neuroimaging, 2011, 194, 64-72.	0.9	106
656	MRI Studies in Late-Life Mood Disorders. Current Topics in Behavioral Neurosciences, 2011, 11, 269-287.	0.8	6
657	Correlation between arterial blood volume obtained by arterial spin labelling and cerebral blood volume in intracranial tumours. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2011, 24, 211-223.	1.1	35
658	On the emerging role of neuroimaging in determining functional and structural brain integrity induced by physical exercise: impact for predictive, preventive, and personalized medicine. EPMA Journal, 2011, 2, 277-285.	3.3	9
659	Cerebrovascular reactivity among native-raised high altitude residents: an fMRI study. BMC Neuroscience, 2011, 12, 94.	0.8	28
660	Posterior hypoperfusion in parkinson's disease With and without dementia measured with arterial spin labeling MRI. Journal of Magnetic Resonance Imaging, 2011, 33, 803-807.	1.9	61
661	Measurement and comparison of T1 relaxation times in native and transplanted kidney cortex and medulla. Journal of Magnetic Resonance Imaging, 2011, 33, 1241-1247.	1.9	40
662	The role of arterial spin labeling, a noninvasive MRI perfusion method, in identifying an abnormal cerebral perfusion pattern in Parkinson's disease. Movement Disorders, 2011, 26, 1197-1197.	2.2	1

#	Article	IF	CITATIONS
663	Brain MR perfusionâ€weighted imaging with alternate ascending/descending directional navigation. Magnetic Resonance in Medicine, 2011, 65, 1578-1591.	1.9	21
664	Postâ€processing correction of magnetization transfer effects in FENSI perfusion MRI data. Magnetic Resonance in Medicine, 2011, 65, 457-462.	1.9	2
665	Fast measurement of blood i>T <sub>1</sub> in the human jugular vein at 3 Tesla. Magnetic Resonance in Medicine, 2011, 65, 1297-1304.	1.9	36
666	MRI of blood flow of the human retina. Magnetic Resonance in Medicine, 2011, 65, 1768-1775.	1.9	41
667	Pseudoâ€continuous transfer insensitive labeling technique. Magnetic Resonance in Medicine, 2011, 66, 768-776.	1.9	8
668	Realâ€time functional MRI using pseudoâ€continuous arterial spin labeling. Magnetic Resonance in Medicine, 2011, 65, 1570-1577.	1.9	11
669	Response of mouse brain perfusion to hypo―and hyperventilation measured by arterial spin labeling. Magnetic Resonance in Medicine, 2011, 66, 802-811.	1.9	10
671	A method for rapid <i>in vivo</i> measurement of blood <i>T</i> <sub>1</sub> . NMR in Biomedicine, 2011, 24, 80-88.	1.6	<b>7</b> 5
672	Blood flow quantification of the human retina with MRI. NMR in Biomedicine, 2011, 24, 104-111.	1.6	27
673	Measurement of absolute arterial cerebral blood volume in human brain without using a contrast agent. NMR in Biomedicine, 2011, 24, 1313-1325.	1.6	54
674	Vascular recovery promoted by atorvastatin and simvastatin after experimental intracerebral hemorrhage: magnetic resonance imaging and histological study. Journal of Neurosurgery, 2011, 114, 1135-1142.	0.9	39
675	Arterial spin labelling reveals an abnormal cerebral perfusion pattern in Parkinson's disease. Brain, 2011, 134, 845-855.	3.7	173
676	Response of Arteriovenous Malformations to Gamma Knife Therapy Evaluated With Pulsed Arterial Spin-Labeling MRI Perfusion. American Journal of Roentgenology, 2011, 196, 15-22.	1.0	34
677	Exposing orgasm in the brain: a critical eye. Sexual and Relationship Therapy, 2011, 26, 342-355.	0.7	11
678	Magnetic resonance temperature imaging validation of a bioheat transfer model for laserâ€induced thermal therapy. International Journal of Hyperthermia, 2011, 27, 453-464.	1.1	26
679	Association Between Central Elastic Artery Stiffness and Cerebral Perfusion in Deep Subcortical Gray and White Matter. American Journal of Hypertension, 2011, 24, 1108-1113.	1.0	83
680	Early Evaluation of Tumoral Response to Antiangiogenic Therapy by Arterial Spin Labeling Perfusion Magnetic Resonance Imaging and Susceptibility Weighted Imaging in a Patient With Recurrent Glioblastoma Receiving Bevacizumab. Journal of Clinical Oncology, 2011, 29, e308-e311.	0.8	23
681	The search for neuroimaging biomarkers of Alzheimer's disease with advanced MRI techniques. Acta Radiologica, 2011, 52, 211-222.	0.5	33

#	Article	IF	Citations
682	Cerebral Blood Flow in Posterior Cortical Nodes of the Default Mode Network Decreases with Task Engagement but Remains Higher than in Most Brain Regions. Cerebral Cortex, 2011, 21, 233-244.	1.6	99
683	Dynamic contrast-enhanced imaging techniques: CT and MRI. British Journal of Radiology, 2011, 84, S112-S120.	1.0	156
684	Arterial Spin-Labeling MRI Can Identify the Presence and Intensity of Collateral Perfusion in Patients With Moyamoya Disease. Stroke, 2011, 42, 2485-2491.	1.0	205
685	Advances in High-Field BOLD fMRI. Materials, 2011, 4, 1941-1955.	1.3	21
686	Arterial Spin Labeling (ASL) fMRI: Advantages, Theoretical Constrains and Experimental Challenges in Neurosciences. International Journal of Biomedical Imaging, 2012, 2012, 1-13.	3.0	90
687	Cerebral Myogenic Reactivity and Blood Flow in Type 2 Diabetic Rats: Role of Peroxynitrite in Hypoxia-Mediated Loss of Myogenic Tone. Journal of Pharmacology and Experimental Therapeutics, 2012, 342, 407-415.	1.3	46
688	Pseudocontinuous Arterial Spin Labeling Quantifies Relative Cerebral Blood Flow in Acute Stroke. Stroke, 2012, 43, 753-758.	1.0	41
689	Advanced MRI strategies for assessing spinal cord injury. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2012, 109, 85-101.	1.0	20
690	Whole-Brain Arterial Spin Labeling Perfusion MRI in Patients With Acute Stroke. Stroke, 2012, 43, 1290-1294.	1.0	96
691	Blood Flow MRI of the Human Retina/Choroid during Rest and Isometric Exercise. , 2012, 53, 4299.		32
692	Comparison of Arterial Spin Labeling and Bolus Perfusion-Weighted Imaging for Detecting Mismatch in Acute Stroke. Stroke, 2012, 43, 1843-1848.	1.0	83
693	Better Late than Never. Stroke, 2012, 43, 931-932.	1.0	10
694	Multimodal MRI Neuroimaging Biomarkers for Cognitive Normal Adults, Amnestic Mild Cognitive Impairment, and Alzheimer's Disease. Neurology Research International, 2012, 2012, 1-17.	0.5	26
695	Arterial spin labeling MRI. Current Opinion in Neurology, 2012, 25, 421-428.	1.8	111
695 696	Arterial spin labeling MRI. Current Opinion in Neurology, 2012, 25, 421-428.  Diffuse Correlation Spectroscopy (DCS): A Diagnostic Tool for Assessing Tissue Blood Flow in Vascular-Related Diseases and Therapies. Current Medical Imaging, 2012, 8, 194-210.	0.4	111 45
	Diffuse Correlation Spectroscopy (DCS): A Diagnostic Tool for Assessing Tissue Blood Flow in		
696	Diffuse Correlation Spectroscopy (DCS): A Diagnostic Tool for Assessing Tissue Blood Flow in Vascular-Related Diseases and Therapies. Current Medical Imaging, 2012, 8, 194-210.  A Historical Overview of Magnetic Resonance Imaging, Focusing on Technological Innovations.	0.4	45

#	ARTICLE	IF	CITATIONS
700	Longitudinal Reproducibility and Accuracy of Pseudo-Continuous Arterial Spin–labeled Perfusion MR Imaging in Typically Developing Children. Radiology, 2012, 263, 527-536.	3.6	86
701	Fluid Mechanics of Mixing in the Vertebrobasilar System: Comparison of Simulation and MRI. Cardiovascular Engineering and Technology, 2012, 3, 450-461.	0.7	14
702	Multiparametric functional nuclear magnetic resonance imaging shows alterations associated with plasmid electrotransfer in mouse skeletal muscle. Journal of Gene Medicine, 2012, 14, 598-608.	1.4	6
703	Direct comparison of fluorodeoxyglucose positron emission tomography and arterial spin labeling magnetic resonance imaging in Alzheimer's disease. Alzheimer's and Dementia, 2012, 8, 51-59.	0.4	149
704	Biophysical and Physiological Origins of Blood Oxygenation Level-Dependent fMRI Signals. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 1188-1206.	2.4	429
705	Quantitative myocardial perfusion in mice based on the signal intensity of flow sensitized CMR. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 74.	1.6	13
706	Record of a single fMRI experiment in May of 1991. NeuroImage, 2012, 62, 610-612.	2.1	24
707	Inflow effects on functional MRI. NeuroImage, 2012, 62, 1035-1039.	2.1	58
708	MRI patterns of atrophy and hypoperfusion associations across brain regions in frontotemporal dementia. Neurolmage, 2012, 59, 2098-2109.	2.1	14
709	Cortical hypoperfusion in Parkinson's disease assessed using arterial spin labeled perfusion MRI. Neurolmage, 2012, 59, 2743-2750.	2.1	82
710	Quantitative functional MRI: Concepts, issues and future challenges. NeuroImage, 2012, 62, 1234-1240.	2.1	65
711	Retinotopic maps and hemodynamic delays in the human visual cortex measured using arterial spin labeling. Neurolmage, 2012, 59, 4044-4054.	2.1	20
712	Early development of arterial spin labeling to measure regional brain blood flow by MRI. NeuroImage, 2012, 62, 602-607.	2.1	35
713	A review of the development of Vascular-Space-Occupancy (VASO) fMRI. NeuroImage, 2012, 62, 736-742.	2.1	44
714	Perfusion MR imaging: Evolution from initial development to functional studies. NeuroImage, 2012, 62, 672-675.	2.1	5
715	Dissociable effects of methylphenidate, atomoxetine and placebo on regional cerebral blood flow in healthy volunteers at rest: A multi-class pattern recognition approach. NeuroImage, 2012, 60, 1015-1024.	2.1	67
716	fMRI at 20: Has it changed the world?. NeuroImage, 2012, 62, 1316-1324.	2.1	75
717	Impaired hemodynamic response in the ischemic brain assessed with BOLD fMRI. NeuroImage, 2012, 61, 579-590.	2.1	34

#	Article	IF	CITATIONS
718	Quantitative fMRI and oxidative neuroenergetics. NeuroImage, 2012, 62, 985-994.	2.1	81
719	Calibrating the BOLD signal during a motor task using an extended fusion model incorporating DOT, BOLD and ASL data. NeuroImage, 2012, 61, 1268-1276.	2.1	18
720	The development and future of perfusion fMRI for dynamic imaging of human brain activity. NeuroImage, 2012, 62, 1279-1285.	2.1	18
721	Improving cerebral blood flow quantification for arterial spin labeled perfusion MRI by removing residual motion artifacts and global signal fluctuations. Magnetic Resonance Imaging, 2012, 30, 1409-1415.	1.0	125
722	Diffusion Tensor and Perfusion Imaging of Brain Tumors in High-Field MR Imaging. Neuroimaging Clinics of North America, 2012, 22, 123-134.	0.5	35
723	Cerebral blood flow quantification in the rat: a direct comparison of arterial spin labeling MRI with radioactive microsphere PET. EJNMMI Research, 2012, 2, 47.	1.1	10
724	Brain Imaging in Behavioral Neuroscience. Current Topics in Behavioral Neurosciences, 2012, , .	0.8	3
725	Relations between BOLD fMRI-Derived Resting Brain Activity and Cerebral Blood Flow. PLoS ONE, 2012, 7, e44556.	1.1	106
726	Neurovascular and Neurometabolic Uncoupling in the Visual Cortex., 2012,,.		0
728	Applications of arterial spin labeled MRI in the brain. Journal of Magnetic Resonance Imaging, 2012, 35, 1026-1037.	1.9	272
729	Improving quality of arterial spin labeling MR imaging at 3 tesla with a 32â€channel coil and parallel imaging. Journal of Magnetic Resonance Imaging, 2012, 35, 1233-1239.	1.9	23
730	Comparison of pulsed and pseudocontinuous arterial spinâ€labeling for measuring CO <sub>2</sub> â€induced cerebrovascular reactivity. Journal of Magnetic Resonance Imaging, 2012, 36, 312-321.	1.9	30
731	Localized blood flow imaging using quantitative flowâ€enhanced signal intensity. Magnetic Resonance in Medicine, 2012, 67, 660-668.	1.9	3
732	Virtual dye angiography: Flow visualization for MRIâ€guided interventions. Magnetic Resonance in Medicine, 2012, 67, 1013-1021.	1.9	9
733	QUIPSS II with windowâ€sliding saturation sequence (Q2WISE). Magnetic Resonance in Medicine, 2012, 67, 1127-1132.	1.9	6
734	Pseudoâ€continuous arterial spin labeling at very high magnetic field (11.75 T) for highâ€resolution mouse brain perfusion imaging. Magnetic Resonance in Medicine, 2012, 67, 1225-1236.	1.9	21
735	Unique in utero identification of fetuses in multifetal mouse pregnancies by placental bidirectional arterial spin labeling MRI. Magnetic Resonance in Medicine, 2012, 68, 560-570.	1.9	25
736	Pseudocontinuous arterial spin labeling with optimized tagging efficiency. Magnetic Resonance in Medicine, 2012, 68, 1135-1144.	1.9	36

#	Article	IF	CITATIONS
737	The importance of RF bandwidth for effective tagging in pulsed arterial spin labeling MRI at 9.4T. NMR in Biomedicine, 2012, 25, 1139-1143.	1.6	10
738	The serial effect of iodinated contrast media on renal hemodynamics and oxygenation as evaluated by ASL and BOLD MRI. Contrast Media and Molecular Imaging, 2012, 7, 418-425.	0.4	44
739	FMRI in Mice: Functional Phenotyping of Transgenic Mouse Lines Based on Hemodynamic Readouts. Advances in Neurobiology, 2012, , 593-621.	1.3	1
740	Arterial Spin Labeling Measurements of Cerebral Perfusion Territories in Experimental Ischemic Stroke. Translational Stroke Research, 2012, 3, 44-55.	2.3	7
741	Arterial Spin Labeling for Acute Stroke: Practical Considerations. Translational Stroke Research, 2012, 3, 228-235.	2.3	29
742	Methylphenidate modulates sustained attention and cortical activation in survivors of traumatic brain injury: a perfusion fMRI study. Psychopharmacology, 2012, 222, 47-57.	1.5	39
743	Arterial spin labeling MR imaging for characterisation of renal masses in patients with impaired renal function: initial experience. European Radiology, 2012, 22, 484-492.	2.3	35
744	Non-invasive pulmonary perfusion assessment in young patients with cystic fibrosis using an arterial spin labeling MR technique at $1.5\mathrm{T}$ . Magnetic Resonance Materials in Physics, Biology, and Medicine, $2012, 25, 155-162$ .	1.1	29
745	Arterial spin labeling: its time is now. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2012, 25, 75-77.	1.1	6
746	Thirty minute transcutaneous electric acupoint stimulation modulates resting state brain activities: A perfusion and BOLD fMRI study. Brain Research, 2012, 1457, 13-25.	1.1	25
747	Effects of variable blast pressures on blood flow and oxygen saturation in rat brain as evidenced using MRI. Magnetic Resonance Imaging, 2012, 30, 527-534.	1.0	30
748	Arterial spin labeling fMRI measurements of decreased blood flow in primary visual cortex correlates with decreased visual function in human glaucoma. Vision Research, 2012, 60, 51-60.	0.7	30
749	A <i>k</i> å€space sharing 3D GRASE pseudocontinuous ASL method for wholeâ€brain restingâ€state functional connectivity. International Journal of Imaging Systems and Technology, 2012, 22, 37-43.	2.7	25
750	Comparison of relative cerebral blood flow maps using pseudoâ€continuous arterial spin labeling and single photon emission computed tomography. NMR in Biomedicine, 2012, 25, 779-786.	1.6	25
751	Mean cerebral blood flow measurements using phase contrast MRI in the first year of life. NMR in Biomedicine, 2012, 25, 1063-1072.	1.6	29
752	Arterial spin-labeling magnetic resonance imaging: the timing of regional maximal perfusion-related signal intensity revealed by a multiphase technique. Japanese Journal of Radiology, 2012, 30, 137-145.	1.0	6
753	Arterial Spin Labeling at 3.0ÂTesla in Subacute Ischemia. Clinical Neuroradiology, 2012, 22, 29-37.	1.0	15
754	Localization of the hand motor area by arterial spin labeling and blood oxygen levelâ€dependent functional magnetic resonance imaging. Human Brain Mapping, 2013, 34, 96-108.	1.9	21

#	ARTICLE	IF	Citations
755	Acute effects of singleâ€dose aripiprazole and haloperidol on resting cerebral blood flow (rCBF) in the human brain. Human Brain Mapping, 2013, 34, 272-282.	1.9	97
756	Functional perfusion imaging using pseudocontinuous arterial spin labeling with lowâ€flipâ€angle segmented 3D spiral readouts. Magnetic Resonance in Medicine, 2013, 69, 382-390.	1.9	31
757	Pseudoâ€continuous arterial spin labeling at 7 T for human brain: Estimation and correction for offâ€resonance effects using a Prescan. Magnetic Resonance in Medicine, 2013, 69, 402-410.	1.9	42
758	Regional effects of magnetization dispersion on quantitative perfusion imaging for pulsed and continuous arterial spin labeling. Magnetic Resonance in Medicine, 2013, 69, 524-530.	1.9	9
759	Improved partial volume correction for single inversion time arterial spin labeling data. Magnetic Resonance in Medicine, 2013, 69, 531-537.	1.9	33
760	Volumetric measurement of perfusion and arterial transit delay using hadamard encoded continuous arterial spin labeling. Magnetic Resonance in Medicine, 2013, 69, 1014-1022.	1.9	86
761	Perâ€subject characterization of bolus width in pulsed arterial spin labeling using bolus turbo sampling. Magnetic Resonance in Medicine, 2013, 69, 1677-1682.	1.9	6
762	Mapping of cerebral perfusion territories using territorial arterial spin labeling: techniques and clinical application. NMR in Biomedicine, 2013, 26, 901-912.	1.6	58
763	Circadian Rhythms, Sleep Deprivation, and Human Performance. Progress in Molecular Biology and Translational Science, 2013, 119, 155-190.	0.9	285
764	Effect of carotid artery stenting on cerebral blood flow: evaluation of hemodynamic changes using arterial spin labeling. Neuroradiology, 2013, 55, 271-281.	1.1	24
765	Perfusion quantification by modelâ€free arterial spin labeling using nonlinear stochastic regularization deconvolution. Magnetic Resonance in Medicine, 2013, 70, 1470-1480.	1.9	4
766	Neuroimaging of Movement Disorders. , 2013, , .		1
767	Regional Correlation between Resting State FDG PET and pCASL Perfusion MRI. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1909-1914.	2.4	48
768	Association of placental perfusion, as assessed by magnetic resonance imaging and uterine artery Doppler ultrasound, and its relationship to pregnancy outcome. Placenta, 2013, 34, 885-891.	0.7	86
769	Examination of Tissue Perfusion by Arterial Spin Labeling (ASL). Current Radiology Reports, 2013, 1, 93-101.	0.4	6
770	Wavelet-transformed temporal cerebral blood flow signals during attempted inhibition of cue-induced cocaine craving distinguish prognostic phenotypes. Drug and Alcohol Dependence, 2013, 128, 140-147.	1.6	15
771	Arterial spin-labeling MR imaging in moyamoya disease compared with clinical assessments and other MR imaging finings. European Journal of Radiology, 2013, 82, e840-e847.	1.2	36
772	Combined Arterial Spin Labeling and Diffusion-Weighted Imaging for Noninvasive Estimation of Capillary Volume Fraction and Permeability-Surface Product in the Human Brain. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 67-75.	2.4	33

#	Article	IF	CITATIONS
773	A study on cerebral hemodynamic analysis of moyamoya disease by using perfusion MRI. Journal of the Korean Physical Society, 2013, 63, 1651-1658.	0.3	0
774	Combined measurement of perfusion, venous oxygen saturation, and skeletal muscle T2* during reactive hyperemia in the leg. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 70.	1.6	51
775	Voxel-level comparison of arterial spin-labeled perfusion magnetic resonance imaging in adolescents with internet gaming addiction. Behavioral and Brain Functions, 2013, 9, 33.	1.4	58
776	MR Perfusion Imaging. Medical Radiology, 2013, , 75-98.	0.0	2
777	Tumor blood flow from arterial spin labeling perfusion MRI: A key parameter in distinguishing highâ€grade gliomas from primary cerebral lymphomas, and in predicting genetic biomarkers in highâ€grade gliomas. Journal of Magnetic Resonance Imaging, 2013, 38, 852-860.	1.9	40
778	An Inverse Problem Approach to Recovery of In Vivo Nanoparticle Concentrations from Thermal Image Monitoring of MR-Guided Laser Induced Thermal Therapy. Annals of Biomedical Engineering, 2013, 41, 100-111.	1.3	10
780	Étude des anomalies morphométriques et de perfusion dans la dépression chronique et résistante. European Psychiatry, 2013, 28, 32-32.	0.1	0
781	Arterial spin labeling (ASL) perfusion: Techniques and clinical use. Diagnostic and Interventional Imaging, 2013, 94, 1211-1223.	1.8	104
782	Arterial spin labeled MRI in prodromal Alzheimer's disease: A multi-site study. NeuroImage: Clinical, 2013, 2, 630-636.	1.4	81
783	Simultaneous magnetic resonance angiography and perfusion (MRAP) measurement: Initial application in lower extremity skeletal muscle. Journal of Magnetic Resonance Imaging, 2013, 38, 1237-1244.	1.9	18
784	A Selective Insular Perfusion Deficit Contributes to Compromised Salience Network Connectivity in Recovering Alcoholic Men. Biological Psychiatry, 2013, 74, 547-555.	0.7	76
785	Measurement of T1 of human arterial and venous blood at 7T. Magnetic Resonance Imaging, 2013, 31, 477-479.	1.0	58
786	Arterial Spin Labeling Magnetic Resonance Imaging. PET Clinics, 2013, 8, 295-309.	1.5	1
787	Quantification of Network Perfusion in ASL Cerebral Blood Flow Data with Seed Based and ICA Approaches. Brain Topography, 2013, 26, 569-580.	0.8	25
788	Methylene blue potentiates stimulus-evoked fMRI responses and cerebral oxygen consumption during normoxia and hypoxia. NeuroImage, 2013, 72, 237-242.	2.1	38
789	Upsampling to 400-ms Resolution for Assessing Effective Connectivity in Functional Magnetic Resonance Imaging Data with Granger Causality. Brain Connectivity, 2013, 3, 61-71.	0.8	4
790	Functional MRI in Idiopathic Parkinson Disease and Parkinsonism., 2013, , 143-157.		1
791	Studying the topological organization of the cerebral blood flow fluctuations in resting state. Neurolmage, 2013, 64, 173-184.	2.1	55

#	Article	IF	CITATIONS
792	Comparison of 2D and 3D single-shot ASL perfusion fMRI sequences. NeuroImage, 2013, 66, 662-671.	2.1	130
793	In vivo blood <i>T</i> <sub>1</sub> measurements at 1.5 T, 3 T, and 7 T. Magnetic Resonance in Medicine, 2013, 70, 1082-1086.	1.9	150
794	The physics of functional magnetic resonance imaging (fMRI). Reports on Progress in Physics, 2013, 76, 096601.	8.1	165
<b>7</b> 95	A review of calibrated blood oxygenation levelâ€dependent (BOLD) methods for the measurement of taskâ€nduced changes in brain oxygen metabolism. NMR in Biomedicine, 2013, 26, 987-1003.	1.6	130
796	Clinical Feasibility of Noninvasive Visualization of Lymphatic Flow with Principles of Spin Labeling MR Imaging: Implications for Lymphedema Assessment. Radiology, 2013, 269, 893-902.	3.6	40
797	Current Trends in ERP Analysis Using EEG and EEG/fMRI Synergistic Methods. Neuromethods, 2013, , 323-350.	0.2	4
798	Assessment of Skeletal Muscle Microperfusion Using MRI. Medical Radiology, 2013, , 87-114.	0.0	0
799	Advanced Neuroimaging in Traumatic Brain Injury. Seminars in Neurology, 2013, 32, 374-400.	0.5	27
800	Measuring Biexponential Transverse Relaxation of the ASL Signal at 9.4 T to Estimate Arterial Oxygen Saturation and the Time of Exchange of Labeled Blood Water into Cortical Brain Tissue. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 215-224.	2.4	39
801	Alterations in Cerebral Oxygen Metabolism after Traumatic Brain Injury in Children. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 48-52.	2.4	27
802	Mri Assessment of Cerebral Blood Flow after Experimental Traumatic Brain Injury Combined with Hemorrhagic Shock in Mice. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 129-136.	2.4	38
803	Soluble epoxide hydrolase inhibitor <i>trans</i> -4-[4-(3-adamantan-1-yl-ureido)-cyclohexyloxy]-benzoic acid is neuroprotective in rat model of ischemic stroke. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H1605-H1613.	1.5	43
804	Central artery stiffness, neuropsychological function, and cerebral perfusion in sedentary and endurance-trained middle-aged adults. Journal of Hypertension, 2013, 31, 2400-2409.	0.3	102
805	Effect of Delayed Transit Time on Arterial Spin Labeling. Investigative Radiology, 2013, 48, 795-802.	3.5	28
806	Arterial spin labeling in patients with chronic cerebral artery steno-occlusive disease: Correlation with 150-PET. Acta Radiologica, 2013, 54, 99-106.	0.5	31
807	Inverse correspondence between hippocampal perfusion and verbal memory performance in older adults. Hippocampus, 2013, 23, 213-220.	0.9	17
808	Cerebral blood flow quantification in swine using pseudo ontinuous arterial spin labeling. Journal of Magnetic Resonance Imaging, 2013, 38, 1111-1118.	1.9	4
809	Noninvasive functional imaging of cerebral blood volume with vascularâ€spaceâ€occupancy (VASO) MRI. NMR in Biomedicine, 2013, 26, 932-948.	1.6	60

#	Article	IF	CITATIONS
810	Periprocedural Arterial Spin Labeling and Dynamic Susceptibility Contrast Perfusion in Detection of Cerebral Blood Flow in Patients With Acute Ischemic Syndrome. Stroke, 2013, 44, 664-670.	1.0	20
811	Cerebral Blood Flow Quantification Using Vessel-Encoded Arterial Spin Labeling. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1716-1724.	2.4	84
812	Multislice cardiac arterial spin labeling using improved myocardial perfusion quantification with simultaneously measured blood pool input function. Magnetic Resonance in Medicine, 2013, 70, 1125-1136.	1.9	16
813	Arterial spin labeling with simultaneous multiâ€slice echo planar imaging. Magnetic Resonance in Medicine, 2013, 70, 1500-1506.	1.9	46
814	Imaging of flow: basic principles. , 2013, , 1-15.		1
815	Cineâ€ASL: A steadyâ€pulsed arterial spin labeling method for myocardial perfusion mapping in mice. Part II. Theoretical model and sensitivity optimization. Magnetic Resonance in Medicine, 2013, 70, 1399-1408.	1.9	15
816	Hematocrit and oxygenation dependence of blood $\langle \sup 1 <   \sup 4 < \sup 2 <   \sup 6 < \inf 7 < \sup 6 < \sup 6 < \sup 6 < \sup 6 < \sup 8 < \sup 8 < \sup 8 < \sup 9 <$	1.9	45
817	Whole brain perfusion measurements using arterial spin labeling with multiband acquisition. Magnetic Resonance in Medicine, 2013, 70, 1653-1661.	1.9	34
818	Quantitative Renal Perfusion Measurements in a Rat Model of Acute Kidney Injury at 3T: Testing Interand Intramethodical Significance of ASL and DCE-MRI. PLoS ONE, 2013, 8, e53849.	1.1	54
819	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. PLoS ONE, 2013, 8, e54816.	1.1	9
820	The Cerebral Blood Flow Biomedical Informatics Research Network (CBFBIRN) database and analysis pipeline for arterial spin labeling MRI data. Frontiers in Neuroinformatics, 2013, 7, 21.	1.3	20
822	fMRI: Clinical and Research Applications. OMICS Journal of Radiology, 2013, 01, .	0.0	3
823	Perfusion Magnetic Resonance Imaging: A Comprehensive Update on Principles and Techniques. Korean Journal of Radiology, 2014, 15, 554.	1.5	177
824	Perfusion Based Functional MRI., 0,,.		0
825	Operator-bias-free Comparison of Quantitative Perfusion Maps Acquired with Pulsed-continuous Arterial Spin Labeling and Single-photon-emission Computed Tomography. Magnetic Resonance in Medical Sciences, 2014, 13, 239-249.	1.1	9
826	Perfusion Imaging and Hyperpolarized Agents for MRI. , 2014, , 37-53.		0
828	Reduced grey matter perfusion without volume loss in early relapsing-remitting multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, 544-551.	0.9	71
829	A review of the use of magnetic resonance imaging in Parkinson's disease. Therapeutic Advances in Neurological Disorders, 2014, 7, 206-220.	1.5	111

#	Article	IF	Citations
830	A variable flip angle-based method for reducing blurring in 3D GRASE ASL. Physics in Medicine and Biology, 2014, 59, 5559-5573.	1.6	17
831	Acute Effects of Alcohol on Brain Perfusion Monitored with Arterial Spin Labeling Magnetic Resonance Imaging in Young Adults. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 472-479.	2.4	33
832	Arterial Spin Labeling Characterization of Cerebral Perfusion during Normal Maturation from Late Childhood into Adulthood: Normal †Reference Range' Values and Their Use in Clinical Studies. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 776-784.	2.4	61
833	Multimodal Imaging of the Mouse Placenta. , 2014, , 363-372.		1
834	Arterial spin labeling perfusion-weighted MRI for long-term follow-up of a cerebral arteriovenous malformation after stereotactic radiosurgery. Acta Radiologica Short Reports, 2014, 3, 204798161351016.	0.7	6
835	Regional Reliability of Quantitative Signal Targeting with Alternating Radiofrequency (STAR) Labeling of Arterial Regions (QUASAR). Journal of Neuroimaging, 2014, 24, 554-561.	1.0	4
836	Cardiovascular magnetic resonance in ischemic heart disease. Future Cardiology, 2014, 10, 487-496.	0.5	0
837	Partial volume correction of brain perfusion estimates using the inherent signal data of time-resolved arterial spin labeling. NMR in Biomedicine, 2014, 27, 1112-1122.	1.6	17
838	Voxelwise multivariate analysis of multimodality magnetic resonance imaging. Human Brain Mapping, 2014, 35, 831-846.	1.9	11
839	Perfusion Imaging. Journal of Magnetic Resonance Imaging, 2014, 40, 269-279.	1.9	12
840	Support vector machine learning-based cerebral blood flow quantification for arterial spin labeling MRI. Human Brain Mapping, 2014, 35, 2869-2875.	1.9	19
841	Threeâ€dimensional wholeâ€brain perfusion quantification using pseudoâ€continuous arterial spin labeling MRI at multiple postâ€labeling delays: accounting for both arterial transit time and impulse response function. NMR in Biomedicine, 2014, 27, 116-128.	1.6	35
842	Templateâ€based approach for detecting motor task activationâ€related hyperperfusion in pulsed ASL data. Human Brain Mapping, 2014, 35, 1179-1189.	1.9	4
843	Mapping of arterial transit time by intravascular signal selection. NMR in Biomedicine, 2014, 27, 594-609.	1.6	23
844	Evaluation of segmented 3D acquisition schemes for wholeâ€brain highâ€resolution arterial spin labeling at 3 T. NMR in Biomedicine, 2014, 27, 1387-1396.	1.6	50
845	Vertigo-Related Cerebral Blood Flow Changes on Magnetic Resonance Imaging. Spine, 2014, 39, E1374-E1379.	1.0	3
846	Arterial Spin–Labeled Perfusion Imaging in Acute Ischemic Stroke. Stroke, 2014, 45, 1202-1207.	1.0	59
847	Human Imaging Studies of Brain Circuitry Disrupted by Alcoholism. , 2014, , 131-151.		2

#	Article	IF	Citations
848	Microcirculatory changes identified by photoacoustic microscopy in patients with complex regional pain syndrome type I after stellate ganglion blocks. Journal of Biomedical Optics, 2014, 19, 086017.	1.4	21
849	Arterial spin labeling magnetic resonance perfusion imaging in cerebral ischemia. Current Opinion in Neurology, 2014, 27, 42-53.	1.8	29
850	Graph analysis of resting-state ASL perfusion MRI data: Nonlinear correlations among CBF and network metrics. Neurolmage, 2014, 87, 265-275.	2.1	41
851	Physiological and psychological individual differences influence resting brain function measured by ASL perfusion. Brain Structure and Function, 2014, 219, 1673-1684.	1.2	13
853	Neural effects of short-term training on working memory. Cognitive, Affective and Behavioral Neuroscience, 2014, 14, 147-160.	1.0	100
854	Investigation of brain hemodynamic changes induced by active and passive movements: A combined arterial spin labeling–BOLD fMRI study. Journal of Magnetic Resonance Imaging, 2014, 40, 937-948.	1.9	32
855	Tumor Microenvironment and Cellular Stress. Advances in Experimental Medicine and Biology, 2014, 772, v-viii.	0.8	29
856	Diagnostic classification of arterial spin labeling and structural MRI in presenile early stage dementia. Human Brain Mapping, 2014, 35, 4916-4931.	1.9	80
857	Myocardial perfusion quantification using the $i>T1-based FAIR-ASL method: The influence of heart anatomy, cardiopulmonary blood flow and look-locker readout. Magnetic Resonance in Medicine, 2014, 71, 1784-1797.$	1.9	14
858	An introduction to ASL labeling techniques. Journal of Magnetic Resonance Imaging, 2014, 40, 1-10.	1.9	76
859	Assessment of Tissue Perfusion in the Lower Limb. Circulation: Cardiovascular Imaging, 2014, 7, 836-843.	1.3	51
860	Lack of dystrophin results in abnormal cerebral diffusion and perfusion in vivo. Neurolmage, 2014, 102, 809-816.	2.1	20
861	New magnetic resonance imaging methods in nephrology. Kidney International, 2014, 85, 768-778.	2.6	84
862	Robust estimation of the cerebral blood flow in arterial spin labelling. Magnetic Resonance Imaging, 2014, 32, 497-504.	1.0	24
863	Association of brain amyloid-β with cerebral perfusion and structure in Alzheimer's disease and mild cognitive impairment. Brain, 2014, 137, 1550-1561.	3.7	150
864	Accuracy of Vessel-Encoded Pseudocontinuous Arterial Spin-Labeling in Identification of Feeding Arteries in Patients with Intracranial Arteriovenous Malformations. American Journal of Neuroradiology, 2014, 35, 65-71.	1.2	11
865	Arterial spin labelingâ€fast imaging with steadyâ€state free precession (ASLâ€FISP): a rapid and quantitative perfusion technique for highâ€field MRI. NMR in Biomedicine, 2014, 27, 996-1004.	1.6	28
866	Pre-clinical functional Magnetic Resonance Imaging part I: The kidney. Zeitschrift Fur Medizinische Physik, 2014, 24, 286-306.	0.6	11

#	Article	IF	CITATIONS
867	Global and regional differences in cerebral blood flow after asphyxial versus ventricular fibrillation cardiac arrest in rats using ASL-MRI. Resuscitation, 2014, 85, 964-971.	1.3	64
868	Impact of puberty on the evolution of cerebral perfusion during adolescence. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8643-8648.	3.3	169
869	Combining ESI, ASL and PET for quantitative assessment of drug-resistant focal epilepsy. NeuroImage, 2014, 102, 49-59.	2.1	57
870	Neural correlates of attentional bias for smoking cues: modulation by variance in the dopamine transporter gene. Addiction Biology, 2014, 19, 294-304.	1.4	22
871	Characterizing Early Alzheimer's Disease and Disease Progression Using Hippocampal Volume and Arterial Spin Labeling Perfusion MRI. Journal of Alzheimer's Disease, 2014, 42, S495-S502.	1.2	28
872	Accelerationâ€selective arterial spin labeling. Magnetic Resonance in Medicine, 2014, 71, 191-199.	1.9	27
873	Timeâ€resolved noncontrast enhanced 4â€D dynamic magnetic resonance angiography using multibolus TrueFISPâ€based spin tagging with alternating radiofrequency (TrueSTAR). Magnetic Resonance in Medicine, 2014, 71, 551-560.	1.9	18
874	The role of nutrition on cognition and brain health in ageing: a targeted approach. Nutrition Research Reviews, 2015, 28, 167-180.	2.1	23
875	Inflection Points in Magnetic Resonance Imaging Technology—35 Years of Collaborative Research and Development. Investigative Radiology, 2015, 50, 645-656.	3.5	1
876	Assessment of vessel permeability by combining dynamic contrast-enhanced and arterial spin labeling MRI. NMR in Biomedicine, 2015, 28, 642-649.	1.6	5
877	Cerebrovascular MRI: a review of stateâ€ofâ€theâ€art approaches, methods and techniques. NMR in Biomedicine, 2015, 28, 767-791.	1.6	38
878	Quantitative mapping of cerebral metabolic rate of oxygen (CMRO <sub>2</sub> ) using quantitative susceptibility mapping (QSM). Magnetic Resonance in Medicine, 2015, 74, 945-952.	1.9	117
879	Improved multislice perfusion imaging with velocity-selective arterial spin labeling. Journal of Magnetic Resonance Imaging, 2015, 41, 1422-1431.	1.9	4
880	Myocardial perfusion assessment in humans using steadyâ€pulsed arterial spin labeling. Magnetic Resonance in Medicine, 2015, 74, 990-998.	1.9	18
881	Blood Pressure is Associated With Cerebral Blood Flow Alterations in Patients With T2DM as Revealed by Perfusion Functional MRI. Medicine (United States), 2015, 94, e2231.	0.4	33
882	Dual echo vesselâ€encoded ASL for simultaneous BOLD and CBF reactivity assessment in patients with ischemic cerebrovascular disease. Magnetic Resonance in Medicine, 2015, 73, 1579-1592.	1.9	29
883	Resting state functional connectivity of the subthalamic nucleus in <scp>P</scp> arkinson's disease assessed using arterial spin″abeled perfusion f <scp>MRI</scp> . Human Brain Mapping, 2015, 36, 1937-1950.	1.9	48
884	Evaluation of the Antiangiogenic Effects of Octreotide on Growth Hormone-producing Pituitary Adenoma using Arterial Spin-labeling Perfusion Imaging. Magnetic Resonance in Medical Sciences, 2015, 14, 73-76.	1.1	7

#	Article	IF	CITATIONS
885	Quantitative Measurement of Cerebral Perfusion with Intravoxel Incoherent Motion in Acute Ischemia Stroke. Chinese Medical Journal, 2015, 128, 2565-2569.	0.9	15
886	Comparison of Regional Brain Perfusion Levels in Chronically Smoking and Non-Smoking Adults. International Journal of Environmental Research and Public Health, 2015, 12, 8198-8213.	1.2	40
887	Patient-Specific Detection of Cerebral Blood Flow Alterations as Assessed by Arterial Spin Labeling in Drug-Resistant Epileptic Patients. PLoS ONE, 2015, 10, e0123975.	1.1	41
888	Tripled Readout Slices in Multi Time-Point pCASL Using Multiband Look-Locker EPI. PLoS ONE, 2015, 10, e0141108.	1.1	6
889	Effects of acute levodopa challenge on resting cerebral blood flow in Parkinson's Disease patients assessed using pseudo-continuous arterial spin labeling. PeerJ, 2015, 3, e1381.	0.9	23
890	Systematic mechanism-orientated approach to chronic pancreatitis pain. World Journal of Gastroenterology, 2015, 21, 47.	1.4	60
891	Improving perfusion quantification in arterial spin labeling for delayed arrival times by using optimized acquisition schemes. Zeitschrift Fur Medizinische Physik, 2015, 25, 221-229.	0.6	11
892	In Vivo NMR Studies of the Brain with Hereditary or Acquired Metabolic Disorders. Neurochemical Research, 2015, 40, 2647-2685.	1.6	9
894	Partial volume correction for arterial spin labeling data using spatial-temporal information. Proceedings of SPIE, 2015, , .	0.8	1
895	Matching of postcontraction perfusion to oxygen consumption across submaximal contraction intensities in exercising humans. Journal of Applied Physiology, 2015, 119, 280-289.	1.2	5
896	Functional connectivity in BOLD and CBF data: Similarity and reliability of resting brain networks. NeuroImage, 2015, 106, 111-122.	2.1	102
897	Ultra-high spatial resolution basal and evoked cerebral blood flow MRI of the rat brain. Brain Research, 2015, 1599, 126-136.	1.1	17
898	Real-space imaging of macroscopic diffusion and slow flow by singlet tagging MRI. Journal of Magnetic Resonance, 2015, 252, 130-134.	1.2	53
899	Recommended implementation of arterial spinâ€labeled perfusion MRI for clinical applications: A consensus of the ISMRM perfusion study group and the European consortium for ASL in dementia. Magnetic Resonance in Medicine, 2015, 73, 102-116.	1.9	1,663
900	Caveat of measuring perfusion indexes using intravoxel incoherent motion magnetic resonance imaging in the human brain. European Radiology, 2015, 25, 2485-2492.	2.3	66
901	Reproducibility of multiphase pseudo-continuous arterial spin labeling and the effect of post-processing analysis methods. NeuroImage, 2015, 117, 191-201.	2.1	22
902	Rapid 3D dynamic arterial spin labeling with a sparse model-based image reconstruction. NeuroImage, 2015, 121, 205-216.	2.1	27
903	Theoretical and experimental evaluation of multi-band EPI for high-resolution whole brain pCASL lmaging. Neurolmage, 2015, 106, 170-181.	2.1	36

#	Article	IF	Citations
904	Multi-TI Arterial Spin Labeling MRI with Variable TR and Bolus Duration for Cerebral Blood Flow and Arterial Transit Time Mapping. IEEE Transactions on Medical Imaging, 2015, 34, 1392-1402.	5.4	23
905	Eccentricity Mapping of the Human Visual Cortex to Evaluate Temporal Dynamics of Functional <i>T</i> <sub>1I</sub> Mapping. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1213-1219.	2.4	11
906	Echo-Planar Imaging. , 2015, , 53-74.		6
907	Artifacts in Functional MRI and How to Mitigate Them. , 2015, , 231-243.		0
908	Temporal Resolution and Spatial Resolution of fMRI., 2015, , 173-182.		0
909	Obtaining Quantitative Information from fMRI. , 2015, , 29-35.		0
910	Contrast Agents in Functional Magnetic Resonance Imaging. , 2015, , 37-46.		1
911	Characterizing Resting-State Brain Function Using Arterial Spin Labeling. Brain Connectivity, 2015, 5, 527-542.	0.8	75
912	Advanced Noncontrast MR Imaging in Musculoskeletal Radiology. Radiologic Clinics of North America, 2015, 53, 549-567.	0.9	14
913	Cerebral perfusion differences in women currently with and recovered from anorexia nervosa. Psychiatry Research - Neuroimaging, 2015, 232, 175-183.	0.9	16
914	Brain perfusion in polysubstance users: Relationship to substance and tobacco use, cognition, and self-regulation. Drug and Alcohol Dependence, 2015, 150, 120-128.	1.6	19
915	Cerebral perfusion and glucose metabolism in Alzheimer's disease and frontotemporal dementia: two sides of the same coin?. European Radiology, 2015, 25, 3050-3059.	2.3	80
916	"Domain gauges― A reference system for multivariate profiling of brain fMRI activation patterns induced by psychoactive drugs in rats. NeuroImage, 2015, 112, 70-85.	2.1	19
917	Cerebral angiography, blood flow and vascular reactivity in progressive hypertension. NeuroImage, 2015, 111, 329-337.	2.1	32
918	Altered resting-state cerebral blood flow and its connectivity in schizophrenia. Journal of Psychiatric Research, 2015, 63, 28-35.	1.5	78
919	Amygdala Hyperactivity at Rest in Paranoid Individuals With Schizophrenia. American Journal of Psychiatry, 2015, 172, 784-792.	4.0	64
920	Arterial spin labeling MRI: Clinical applications in the brain. Journal of Magnetic Resonance Imaging, 2015, 41, 1165-1180.	1.9	163
921	Presurgical Functional MRI and Diffusion Tensor Imaging. Medical Radiology, 2015, , 1-12.	0.0	1

#	Article	IF	CITATIONS
922	Simultaneous multi-slice Turbo-FLASH imaging with CAIPIRINHA for whole brain distortion-free pseudo-continuous arterial spin labeling at 3 and 7 T. NeuroImage, 2015, 113, 279-288.	2.1	57
923	Biomarkers of cognitive decline in Parkinson's disease. Parkinsonism and Related Disorders, 2015, 21, 431-443.	1.1	71
924	Comparison of Velocity- and Acceleration-Selective Arterial Spin Labeling with [ <sup>15</sup> 0]H <sub>2</sub> O Positron Emission Tomography. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1296-1303.	2.4	24
925	Correlation of Asymmetry Indices Measured by Arterial Spin-Labeling MR Imaging and SPECT in Patients with Crossed Cerebellar Diaschisis. American Journal of Neuroradiology, 2015, 36, 1662-1668.	1.2	24
927	The Future of Functional MRI. Biological Magnetic Resonance, 2015, , 895-929.	0.4	0
928	Arterial spin-labeling MR imaging of cerebral hemorrhages. Neuroradiology, 2015, 57, 1135-1144.	1.1	11
929	Amygdala on the Lookout. American Journal of Psychiatry, 2015, 172, 704-705.	4.0	1
930	Association between cardiovagal baroreflex sensitivity and baseline cerebral perfusion of the hippocampus. Clinical Autonomic Research, 2015, 25, 213-218.	1.4	19
931	Advanced neuroimaging applied to veterans and service personnel with traumatic brain injury: state of the art and potential benefits. Brain Imaging and Behavior, 2015, 9, 367-402.	1.1	63
932	A neuroradiologist's guide to arterial spin labeling MRI in clinical practice. Neuroradiology, 2015, 57, 1181-1202.	1.1	216
933	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. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 392-401.	2.4	43
934	Static and Dynamic Characteristics of Cerebral Blood Flow During the Resting State in Schizophrenia. Schizophrenia Bulletin, 2015, 41, 163-170.	2.3	83
935	Implication of cerebral circulation time in intracranial stenosis measured by digital subtraction angiography on cerebral blood flow estimation measured by arterial spin labeling. Diagnostic and Interventional Radiology, 2016, 22, 481-488.	0.7	6
936	Mild Cognitive Impairment. , 2016, , .		0
937	$\hat{l}\pm\hat{A}^-$ Aminoisobutyric Acid Leads a Fluorescent syn-bimane LASER Probe Across the Blood-brain Barrier. Medicinal Chemistry, 2016, 12, 48-53.	0.7	5
938	Arterial spin labeling perfusion magnetic resonance imaging of non-human primates. Quantitative Imaging in Medicine and Surgery, 2016, 6, 573-581.	1.1	6
939	Magnetic resonance imaging of cerebral blood flow in animal stroke models. Brain Circulation, 2016, 2, 20.	0.7	16
940	Application of Arterial Spin Labelling in the Assessment of Ocular Tissues. BioMed Research International, 2016, 2016, 1-13.	0.9	6

#	Article	IF	Citations
941	Arterial Transit Time Mapping Obtained by Pulsed Continuous 3D ASL Imaging with Multiple Post-Label Delay Acquisitions: Comparative Study with PET-CBF in Patients with Chronic Occlusive Cerebrovascular Disease. PLoS ONE, 2016, 11, e0156005.	1.1	43
942	Active-passive path-length encoded (APPLE) Doppler OCT. Biomedical Optics Express, 2016, 7, 5233.	1.5	21
943	Quantitative theory for the longitudinal relaxation time of blood water. Magnetic Resonance in Medicine, 2016, 76, 270-281.	1.9	54
944	Basal Ganglia Perfusion in Fibromyalgia is Related to Pain Disability and Disease Impact. Clinical Journal of Pain, 2016, 32, 495-505.	0.8	17
945	Wholeâ€brain perfusion imaging with balanced steadyâ€state free precession arterial spin labeling. NMR in Biomedicine, 2016, 29, 264-274.	1.6	14
946	Functional and anatomical characterization of brown adipose tissue in heart failure with blood oxygen level dependent magnetic resonance. NMR in Biomedicine, 2016, 29, 978-984.	1.6	12
947	Application of Machine Learning to Arterial Spin Labeling in Mild Cognitive Impairment and Alzheimer Disease. Radiology, 2016, 281, 865-875.	3.6	58
948	An actively decoupled dual transceiver coil system for continuous ASL at 7 T. International Journal of Imaging Systems and Technology, 2016, 26, 106-115.	2.7	3
949	Comparison of Quantitative Cerebral Blood Flow Measurements Performed by Bookend Dynamic Susceptibility Contrast and Arterial Spin-Labeling MRI in Relapsing-Remitting Multiple Sclerosis. American Journal of Neuroradiology, 2016, 37, 2265-2272.	1.2	4
950	Molecular fMRI. Journal of Neuroscience, 2016, 36, 4139-4148.	1.7	39
951	Quantifying fluctuations of resting state networks using arterial spin labeling perfusion MRI. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 463-473.	2.4	43
952	Arterial spin labeling imaging reveals widespread and $\hat{A^2}$ -independent reductions in cerebral blood flow in elderly apolipoprotein epsilon-4 carriers. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 581-595.	2.4	53
953	Pulsed arterial spin labelling at ultra-high field with a B 1 + -optimised adiabatic labelling pulse. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 463-473.	1.1	13
954	MRI-based methods for quantification of the cerebral metabolic rate of oxygen. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1165-1185.	2.4	41
955	Comparison of non-invasive MRI measurements of cerebral blood flow in a large multisite cohort. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1244-1256.	2.4	57
956	Assessment of glioma response to radiotherapy using 3D pulsed-continuous arterial spin labeling and 3D segmented volume. European Journal of Radiology, 2016, 85, 1987-1992.	1.2	13
957	fMRI of Pain. Neuromethods, 2016, , 495-521.	0.2	1
958	Machine learning as a means toward precision diagnostics and prognostics. , 2016, , 299-334.		3

#	Article	IF	CITATIONS
959	Sex differences in brain and behavior in adolescence: Findings from the Philadelphia Neurodevelopmental Cohort. Neuroscience and Biobehavioral Reviews, 2016, 70, 159-170.	2.9	157
960	Optimization of 4D vesselâ€selective arterial spin labeling angiography using balanced steadyâ€state free precession and vesselâ€encoding. NMR in Biomedicine, 2016, 29, 776-786.	1.6	31
961	Quantitative Assessment of Flow Reduction After Feeder Embolization in Meningioma by Using Pseudocontinuous Arterial Spin Labeling. World Neurosurgery, 2016, 93, 237-245.	0.7	4
962	Subconcussive impacts and imaging findings over a season of contact sports. Concussion, 2016, 1, CNC19.	1.2	17
963	Neuroimaging Biomarkers in Alzheimer's Disease. , 2016, , 51-100.		8
964	Modulating transcallosal and intra-hemispheric brain connectivity with tDCS: Implications for interventions in Aphasia. Restorative Neurology and Neuroscience, 2016, 34, 519-530.	0.4	5
965	Localization of cortical primary motor area of the hand using navigated transcranial magnetic stimulation, BOLD and arterial spin labeling fMRI. Journal of Neuroscience Methods, 2016, 273, 138-148.	1.3	10
966	Cerebral blood flow and autoregulation: current measurement techniques and prospects for noninvasive optical methods. Neurophotonics, 2016, 3, 031411.	1.7	245
967	Neural substrates underlying delusions in schizophrenia. Scientific Reports, 2016, 6, 33857.	1.6	24
968	Arterial Spin Labeling Perfusion of the Brain: Emerging Clinical Applications. Radiology, 2016, 281, 337-356.	3.6	360
969	Functional Imaging: Magnetic Resonance Imaging. , 2016, , 2955-2981.		0
970	Quantitative analysis of brain perfusion in healthy dogs by means of magnetic resonance imaging. American Journal of Veterinary Research, 2016, 77, 1227-1235.	0.3	10
971	TOWERS: Tâ€One with Enhanced Robustness and Speed. Magnetic Resonance in Medicine, 2016, 76, 118-126.	1.9	6
972	Measurement of skeletal muscle perfusion dynamics with pseudoâ€continuous arterial spin labeling (pCASL): Assessment of relative labeling efficiency at rest and during hyperemia, and comparison to pulsed arterial spin labeling (PASL). Journal of Magnetic Resonance Imaging, 2016, 44, 929-939.	1.9	14
973	Decreased Regional Cerebral Perfusion at Resting State in Acute Posttraumatic Stress Disorder Resulting From a Single, Prolonged Stress Event. Academic Radiology, 2016, 23, 1083-1090.	1.3	8
974	Antiangiogenic Effect of Bevacizumab: Application of Arterial Spin-Labeling Perfusion MR Imaging in a Rat Glioblastoma Model. American Journal of Neuroradiology, 2016, 37, 1650-1656.	1.2	11
975	Bridging macroscopic and microscopic methods for the measurements of cerebral blood flow. Progress in Brain Research, 2016, 225, 77-97.	0.9	3
976	Capability of arterial spin labeling MR imaging in localizing seizure focus in clinical seizure activity. European Journal of Radiology, 2016, 85, 1295-1303.	1.2	46

#	Article	IF	Citations
977	An a contrario approach for the detection of patient-specific brain perfusion abnormalities with arterial spin labelling. NeuroImage, 2016, 134, 424-433.	2.1	8
978	Loss of labelling efficiency caused by carotid stent in pseudocontinuous arterial spin labelling perfusion study. Clinical Radiology, 2016, 71, e21-e27.	0.5	7
979	MRI-based assessment of liver perfusion and hepatocyte injury in the murine model of acute hepatitis. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 789-798.	1.1	7
980	Cerebral metabolism and perfusion in MR-negative individuals with refractory focal epilepsy assessed by simultaneous acquisition of 18 F-FDG PET and arterial spin labeling. Neurolmage: Clinical, 2016, 11, 648-657.	1.4	67
981	Myocardial arterial spin labeling. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 22.	1.6	43
982	Walshâ€ordered hadamard timeâ€encoded pseudocontinuous ASL (WH pCASL). Magnetic Resonance in Medicine, 2016, 76, 1814-1824.	1.9	23
983	Correction for Susceptibility Distortions Increases the Performance of Arterial Spin Labeling in Patients with Cerebrovascular Disease. Journal of Neuroimaging, 2016, 26, 436-444.	1.0	15
984	Alterations in default-mode network connectivity may be influenced by cerebrovascular changes within 1Âweek of sports related concussion in college varsity athletes: a pilot study. Brain Imaging and Behavior, 2016, 10, 559-568.	1.1	72
985	The Cerebral Blood Flow Biomedical Informatics Research Network (CBFBIRN) data repository. NeuroImage, 2016, 124, 1202-1207.	2.1	5
986	Default Mode Network Perfusion in Aneurysmal Subarachnoid Hemorrhage. Neurocritical Care, 2016, 25, 237-242.	1.2	5
987	Volumetric Arterial Spin-labeled Perfusion Imaging of the Kidneys with a Three-dimensional Fast Spin Echo Acquisition. Academic Radiology, 2016, 23, 144-154.	1.3	28
988	A novel Bayesian approach to accounting for uncertainty in fMRI-derived estimates of cerebral oxygen metabolism fluctuations. NeuroImage, 2016, 129, 198-213.	2.1	14
989	New horizons in neurometabolic and neurovascular coupling from calibrated fMRI. Progress in Brain Research, 2016, 225, 99-122.	0.9	19
990	Magnetic Resonance Imaging of Acute Stroke. Magnetic Resonance Imaging Clinics of North America, 2016, 24, 293-304.	0.6	13
991	Early and late effects of radiochemotherapy on cerebral blood flow in glioblastoma patients measured with non-invasive perfusion MRI. Radiotherapy and Oncology, 2016, 118, 24-28.	0.3	32
992	Arterial Spin Labeling Perfusion Magnetic Resonance Image with Dual Postlabeling Delay: A Correlative Study with Acetazolamide Loading 123I-lodoamphetamine Single-Photon Emission Computed Tomography. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 1-6.	0.7	35
993	Unilateral fetal-type circle of Willis anatomy causes right–left asymmetry in cerebral blood flow with pseudo-continuous arterial spin labeling: A limitation of arterial spin labeling-based cerebral blood flow measurements?. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1570-1578.	2.4	15
994	Regional reduction in cortical blood flow among cognitively impaired adults with relapsing-remitting multiple sclerosis patients. Multiple Sclerosis Journal, 2016, 22, 1421-1428.	1.4	20

#	Article	IF	CITATIONS
995	Comparison of cerebral blood flow measurement with [ $\sup 15 < \sup 0$ ]-water positron emission tomography and arterial spin labeling magnetic resonance imaging: A systematic review. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 842-861.	2.4	125
996	Utility of arterial spin labeling perfusion magnetic resonance imaging in prediction of angiographic vascularity of meningiomas. Journal of Neurosurgery, 2016, 125, 536-543.	0.9	12
998	Abnormal resting state functional connectivity in patients with chronic fatigue syndrome: an arterial spin-labeling fMRI study. Magnetic Resonance Imaging, 2016, 34, 603-608.	1.0	85
999	Tumor Vascularity in Renal Masses: Correlation ofÂArterial Spin-Labeled and Dynamic Contrast-Enhanced Magnetic Resonance Imaging Assessments. Clinical Genitourinary Cancer, 2016, 14, e25-e36.	0.9	44
1000	Monitoring Cerebrovascular Reactivity through the Use of Arterial Spin Labeling in Patients with Moyamoya Disease. Radiology, 2016, 278, 205-213.	3.6	40
1001	Arterial spin labeled perfusion imaging using threeâ€dimensional turbo spin echo with a distributed spiralâ€in/out trajectory. Magnetic Resonance in Medicine, 2016, 75, 266-273.	1.9	24
1002	3D Pseudocontinuous arterial spin labeling in routine clinical practice: A review of clinically significant artifacts. Journal of Magnetic Resonance Imaging, 2016, 43, 11-27.	1.9	64
1003	A Spatiotemporal Profile of In Vivo Cerebral Blood Flow Changes Following Intranasal Oxytocin in Humans. Biological Psychiatry, 2016, 79, 693-705.	0.7	156
1004	Focal middle cerebral artery ischemia in rats via a transfemoral approach using a custom designed microwire. Journal of NeuroInterventional Surgery, 2016, 8, 608-614.	2.0	5
1005	Comparison of long-labeled pseudo-continuous arterial spin labeling (ASL) features between young and elderly adults: special reference to parameter selection. Acta Radiologica, 2017, 58, 84-90.	0.5	10
1006	Doubleâ€gated myocardial ASL perfusion imaging is robust to heart rate variation. Magnetic Resonance in Medicine, 2017, 77, 1975-1980.	1.9	18
1007	Impact of tissue T <sub>1</sub> on perfusion measurement with arterial spin labeling. Magnetic Resonance in Medicine, 2017, 77, 1656-1664.	1.9	7
1008	Cerebral hemodynamics and pseudoâ€continuous arterial spin labeling considerations in adults with sickle cell anemia. NMR in Biomedicine, 2017, 30, e3681.	1.6	39
1009	Respiratory motion prediction and prospective correction for freeâ€breathing arterial spinâ€labeled perfusion <scp>MRI</scp> of the kidneys. Medical Physics, 2017, 44, 962-973.	1.6	11
1010	Introduction to Imaging in the Neurosciences. , 2017, , 907-939.		0
1011	Design and Applications of Nanoparticles in Biomedical Imaging. , 2017, , .		15
1012	Utility of Arterial Spin Labeling MRI in Pediatric Neuroimaging: A Pictorial Essay. Current Radiology Reports, 2017, 5, 1.	0.4	2
1013	Qualitative agreement and diagnostic performance of arterial spin labelling MRI and FDG PET-CT in suspected early-stage dementia. Clinical Imaging, 2017, 45, 1-7.	0.8	7

#	Article	IF	CITATIONS
1014	Comparison of 3 T and 7 T ASL techniques for concurrent functional perfusion and BOLD studies. NeuroImage, 2017, 156, 363-376.	2.1	34
1015	Spatio-temporal TGV denoising for ASL perfusion imaging. Neurolmage, 2017, 157, 81-96.	2.1	33
1016	Critical Essay: Organizational cognitive neuroscience drives theoretical progress, or: The curious case of the straw man murder. Human Relations, 2017, 70, 1171-1190.	3.8	16
1017	Radiological Assessment of Ischemic Stroke. , 2017, , 35-58.		3
1018	A feasibility study on estimation of tissue mixture contributions in 3D arterial spin labeling sequence. Proceedings of SPIE, 2017, , .	0.8	0
1019	Multiparametric computer-aided differential diagnosis of Alzheimer's disease and frontotemporal dementia using structural and advanced MRI. European Radiology, 2017, 27, 3372-3382.	2.3	64
1020	Perfusion has no effect on the <i>in vivo</i> CEST effect from Cr (CrCEST) in skeletal muscle. NMR in Biomedicine, 2017, 30, e3673.	1.6	12
1021	A comparison study between the saturation-recovery-T 1 and CASL MRI methods for quantitative CBF imaging. Magnetic Resonance Imaging, 2017, 37, 179-186.	1.0	1
1022	Cerebrovascular reactivity in the caudate nucleus, lentiform nucleus and thalamus in patients with carotid artery disease. Journal of Neuroradiology, 2017, 44, 143-150.	0.6	10
1023	Multispectral MR Imaging and Sensing Using Shaped Nanoparticles. , 2017, , 95-122.		0
1024	The resting perfusion pattern associates with functional decline in type 2 diabetes. Neurobiology of Aging, 2017, 60, 192-202.	1.5	41
1025	Bright sinus appearance on arterial spin labeling MR imaging aids to identify cerebral venous thrombosis. Medicine (United States), 2017, 96, e8244.	0.4	11
1026	A systematic study of the sensitivity of partial volume correction methods for the quantification of perfusion from pseudo-continuous arterial spin labeling MRI. NeuroImage, 2017, 162, 384-397.	2.1	37
1027	Arterial Spin Labeling in Dementia. , 2017, , 129-138.		0
1028	A look-locker acquisition scheme for quantitative myocardial perfusion imaging with FAIR arterial spin labeling in humans at 3 tesla. Magnetic Resonance in Medicine, 2017, 78, 541-549.	1.9	11
1029	Comparison of PASL, PCASL, and backgroundâ€suppressed 3D PCASL in mild cognitive impairment. Human Brain Mapping, 2017, 38, 5260-5273.	1.9	42
1030	Steady State vs. Pulsatile Blood Pressure Component and Regional Cerebral Perfusion. American Journal of Hypertension, 2017, 30, 1100-1105.	1.0	10
1031	Transcranial Doppler of the middle cerebral artery indicates regional gray matter cerebral perfusion. Physiological Measurement, 2017, 38, 2176-2185.	1.2	3

#	ARTICLE	IF	CITATIONS
1032	Modification to the Rice-Vannucci perinatal hypoxic-ischaemic encephalopathy model in the P7 rat improves the reliability of cerebral infarct development after 48 hours. Journal of Neuroscience Methods, 2017, 288, 62-71.	1.3	28
1033	Quantitative measurement of cerebral blood volume using velocityâ€selective pulse trains. Magnetic Resonance in Medicine, 2017, 77, 92-101.	1.9	22
1034	Investigation of control scans in pseudoâ€continuous arterial spin labeling (p <scp>CASL</scp> ): Strategies for improving sensitivity and reliability of p <scp>CASL</scp> . Magnetic Resonance in Medicine, 2017, 78, 917-929.	1.9	9
1035	Enduring disturbances in regional cerebral blood flow and brain oxygenation at 24 h after asphyxial cardiac arrest in developing rats. Pediatric Research, 2017, 81, 94-98.	1.1	7
1036	Renal Arterial Spin Labeling Magnetic Resonance Imaging. Nephron, 2017, 135, 1-5.	0.9	5
1037	Improving the robustness of pseudoâ€continuous arterial spin labeling to offâ€resonance and pulsatile flow velocity. Magnetic Resonance in Medicine, 2017, 78, 1342-1351.	1.9	46
1038	Fast measurement of blood T <sub>1</sub> in the human carotid artery at 3T: Accuracy, precision, and reproducibility. Magnetic Resonance in Medicine, 2017, 77, 2296-2302.	1.9	43
1039	3Dâ€accelerated, stackâ€ofâ€spirals acquisitions and reconstruction of arterial spin labeling MRI. Magnetic Resonance in Medicine, 2017, 78, 1405-1419.	1.9	17
1040	Effects of arterial transit delay on cerebral blood flow quantification using arterial spin labeling in an elderly cohort. Journal of Magnetic Resonance Imaging, 2017, 45, 472-481.	1.9	51
1041	Optimization of simultaneous multislice EPI for concurrent functional perfusion and BOLD signal measurements at 7T. Magnetic Resonance in Medicine, 2017, 78, 121-129.	1.9	24
1042	Structural Correlationâ€based Outlier Rejection (SCORE) algorithm for arterial spin labeling time series. Journal of Magnetic Resonance Imaging, 2017, 45, 1786-1797.	1.9	42
1043	A Unified Maximum Likelihood Framework for Simultaneous Motion and \$T_{1}\$ Estimation in Quantitative MR \$T_{1}\$ Mapping. IEEE Transactions on Medical Imaging, 2017, 36, 433-446.	5.4	17
1044	Noise concerns and post-processing procedures in cerebral blood flow (CBF) and cerebral blood volume (CBV) functional magnetic resonance imaging. NeuroImage, 2017, 154, 43-58.	2.1	16
1045	A hypoâ€status in drugâ€dependent brain revealed by multiâ€modal MRI. Addiction Biology, 2017, 22, 1622-1631	.1.4	22
1046	Multiparametric imaging of brain hemodynamics and function using gas-inhalation MRI. NeuroImage, 2017, 146, 715-723.	2.1	32
1047	Using Anatomic Magnetic Resonance Image Information to Enhance Visualization and Interpretation of Functional Images: A Comparison of Methods Applied to Clinical Arterial Spin Labeling Images. IEEE Transactions on Medical Imaging, 2017, 36, 487-496.	5.4	6
1048	Scientific Exhibits. Journal of Medical Imaging and Radiation Oncology, 2017, 61, 138-197.	0.9	4
1049	Perfusion MRIâ~†., 2017, , .		1

#	Article	IF	CITATIONS
1050	Regional Cerebral Blood Flow in Mild Cognitive Impairment and Alzheimer's Disease Measured with Arterial Spin Labeling Magnetic Resonance Imaging. International Journal of Alzheimer's Disease, 2017, 2017, 1-10.	1.1	45
1051	Whole-brain background-suppressed pCASL MRI with 1D-accelerated 3D RARE Stack-Of-Spirals readout. PLoS ONE, 2017, 12, e0183762.	1.1	31
1052	Application of MRI to Study the Role of Nitric Oxide in Cancer Therapy. , 2017, , 197-210.		0
1053	Identification of cerebral perfusion using arterial spin labeling in patients with seizures in acute settings. PLoS ONE, 2017, 12, e0173538.	1.1	30
1054	Cancer Metabolism and Tumor Heterogeneity: Imaging Perspectives Using MR Imaging and Spectroscopy. Contrast Media and Molecular Imaging, 2017, 2017, 1-18.	0.4	39
1055	Imaging homeostatic sleep pressure and circadian rhythm in the human brain. Journal of Thoracic Disease, 2017, 9, E495-E498.	0.6	4
1056	The Fundamentals of Transport in Living Tissues Quantified by Medical Imaging Technologies. , 2018, , 9-43.		1
1057	Monitoring cerebral blood flow change through use of arterial spin labelling in acute ischaemic stroke patients after intra-arterial thrombectomy. European Radiology, 2018, 28, 3276-3284.	2.3	13
1058	Network-wise cerebral blood flow redistribution after 20†Hz rTMS on left dorso-lateral prefrontal cortex. European Journal of Radiology, 2018, 101, 144-148.	1.2	18
1059	Three-dimensional arterial spin labeling imaging with a DANTE preparation pulse. Magnetic Resonance Imaging, 2018, 49, 131-137.	1.0	9
1060	Improved calculation of the equilibrium magnetization of arterial blood in arterial spin labeling. Magnetic Resonance in Medicine, 2018, 80, 2223-2231.	1.9	6
1061	Magnetic Resonance Imaging in Aneurysmal Subarachnoid Hemorrhage: Current Evidence and Future Directions. Neurocritical Care, 2018, 29, 241-252.	1.2	17
1062	Controlling T <sub>2</sub> blurring in 3D RARE arterial spin labeling acquisition through optimal combination of variable flip angles and kâ€space filtering. Magnetic Resonance in Medicine, 2018, 80, 1391-1401.	1.9	16
1063	Cardiacâ€triggered pseudoâ€continuous arterialâ€spinâ€labeling: A costâ€effective scheme to further enhance the reliability of arterialâ€spinâ€labeling MRI. Magnetic Resonance in Medicine, 2018, 80, 969-975.	1.9	10
1064	Measurement of pediatric regional cerebral blood flow from 6 months to 15 years of age in a clinical population. European Journal of Radiology, 2018, 101, 38-44.	1.2	24
1065	Caffeine Caused a Widespread Increase of Resting Brain Entropy. Scientific Reports, 2018, 8, 2700.	1.6	32
1066	Diffusion tensor imaging MRI of sickle cell kidney disease: initial results and comparison with iron deposition. NMR in Biomedicine, 2018, 31, e3883.	1.6	10
1067	Improving Arterial Spin Labeling by Using Deep Learning. Radiology, 2018, 287, 658-666.	3.6	73

#	Article	IF	CITATIONS
1068	Intracranial contrast transit times on digital subtraction angiography decrease more in patients with delayed intraparenchymal hemorrhage after Pipeline. Interventional Neuroradiology, 2018, 24, 140-145.	0.7	3
1069	Transit time corrected arterial spin labeling technique aids to overcome delayed transit time effect. Neuroradiology, 2018, 60, 255-265.	1.1	12
1070	Arterial spin labeling: a technical overview. Acta Radiologica, 2018, 59, 1232-1238.	0.5	17
1071	Diffusion sensitivity of 3Dâ€GRASE in arterial spin labeling perfusion. Magnetic Resonance in Medicine, 2018, 80, 736-747.	1.9	11
1072	Evaluation of skeletal muscle microvascular perfusion of lower extremities by cardiovascular magnetic resonance arterial spin labeling, blood oxygenation level-dependent, and intravoxel incoherent motion techniques. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 18.	1.6	24
1073	Monitoring Cerebral Perfusion Changes after Revascularization in Patients with Moyamoya Disease by Using Arterial Spin-labeling MR Imaging. Radiology, 2018, 288, 565-572.	3.6	54
1074	A Noninvasive Method for Quantifying Cerebral Blood Flow by Hybrid PET/MRI. Journal of Nuclear Medicine, 2018, 59, 1329-1334.	2.8	32
1075	Functional MRI in transplanted kidneys. Abdominal Radiology, 2018, 43, 2615-2624.	1.0	8
1076	Estimation of perfusion properties with MR Fingerprinting Arterial Spin Labeling. Magnetic Resonance Imaging, 2018, 50, 68-77.	1.0	34
1077	Reduction of BOLD interference in pseudo-continuous arterial spin labeling: towards quantitative fMRI. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 847-856.	2.4	5
1078	Simultaneous measurement of macro―and microvascular blood flow and oxygen saturation for quantification of muscle oxygen consumption. Magnetic Resonance in Medicine, 2018, 79, 846-855.	1.9	17
1079	Comparison of perfusion signal acquired by arterial spin labeling–prepared intravoxel incoherent motion (IVIM) MRI and conventional IVIM MRI to unravel the origin of the IVIM signal. Magnetic Resonance in Medicine, 2018, 79, 723-729.	1.9	23
1080	Perfusion alters stiffness of deep gray matter. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 116-125.	2.4	44
1081	Pulse sequences and parallel imaging for high spatiotemporal resolution MRI at ultra-high field. Neurolmage, 2018, 168, 101-118.	2.1	47
1082	Advances in arterial spin labelling MRI methods for measuring perfusion and collateral flow. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 1461-1480.	2.4	79
1083	Dynamic Contrast-Enhanced MR Imaging in Head and Neck Cancer. Magnetic Resonance Imaging Clinics of North America, 2018, 26, 135-149.	0.6	21
1084	Stability of MRI metrics in the advanced research core of the NCAA-DoD concussion assessment, research and education (CARE) consortium. Brain Imaging and Behavior, 2018, 12, 1121-1140.	1.1	22
1085	Central sympathetic nervous system reinforcement in obstructive sleep apnoea. Sleep Medicine Reviews, 2018, 39, 143-154.	3.8	9

#	Article	IF	CITATIONS
1086	Accounting for the role of hematocrit in betweenâ€subject variations of MRIâ€derived baseline cerebral hemodynamic parameters and functional BOLD responses. Human Brain Mapping, 2018, 39, 344-353.	1.9	29
1087	Noninvasive measurement of renal blood flow by magnetic resonance imaging in rats. American Journal of Physiology - Renal Physiology, 2018, 314, F99-F106.	1.3	6
1088	Dual-echo ASL based assessment of motor networks: a feasibility study. Journal of Neural Engineering, 2018, 15, 026018.	1.8	8
1089	Arterial spin labeling for the measurement of cerebral perfusion and angiography. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 603-626.	2.4	76
1090	Arterial spin labeling perfusion MRI signal denoising using robust principal component analysis. Journal of Neuroscience Methods, 2018, 295, 10-19.	1.3	20
1091	Altered Cerebral Perfusion in Infants Born Preterm Compared with Infants Born Full Term. Journal of Pediatrics, 2018, 193, 54-61.e2.	0.9	29
1092	Patch-based local learning method for cerebral blood flow quantification with arterial spin-labeling MRI. Medical and Biological Engineering and Computing, 2018, 56, 951-956.	1.6	4
1093	Oxygen metabolism in acute ischemic stroke. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 1481-1499.	2.4	37
1094	Comparing accuracy and reproducibility of sequential and Hadamardâ€encoded multidelay pseudocontinuous arterial spin labeling for measuring cerebral blood flow and arterial transit time in healthy subjects: A simulation and in vivo study. Journal of Magnetic Resonance Imaging, 2018, 47, 1119-1132.	1.9	25
1095	The Usefulness of Perfusion Magnetic Resonance Imaging with Arterial Spin Labeling in the Perioperative Management of Carotid Artery Stenting. Journal of Neuroendovascular Therapy, 2018, 12, 321-328.	0.1	0
1096	Robust kidney perfusion mapping in pediatric chronic kidney disease using singleâ€shot 3Dâ€GRASE ASL with optimized retrospective motion correction. Magnetic Resonance in Medicine, 2018, 81, 2972-2984.	1.9	16
1097	Sensitivity of Multiphase Pseudocontinuous Arterial Spin Labelling (MP pCASL) Magnetic Resonance Imaging for Measuring Brain and Tumour Blood Flow in Mice. Contrast Media and Molecular Imaging, 2018, 2018, 1-11.	0.4	10
1098	Perfusion abnormality on three-dimensional arterial spin labeling with a 3T MR system in pediatric and adolescent patients with migraine. Journal of the Neurological Sciences, 2018, 395, 41-46.	0.3	16
1099	Extending the Human Connectome Project across ages: Imaging protocols for the Lifespan Development and Aging projects. NeuroImage, 2018, 183, 972-984.	2.1	290
1100	Intravoxel incoherent motion MRI in neurological and cerebrovascular diseases. NeuroImage: Clinical, 2018, 20, 705-714.	1.4	51
1101	Advances in MRI Methodology. International Review of Neurobiology, 2018, 141, 31-76.	0.9	124
1102	Arterial spin labeling MR imaging aids to identify cortical venous drainage of dural arteriovenous fistulas. Medicine (United States), 2018, 97, e0697.	0.4	5
1103	Modeling hyperoxia-induced BOLD signal dynamics to estimate cerebral blood flow, volume and mean transit time. Neurolmage, 2018, 178, 461-474.	2.1	25

#	Article	IF	CITATIONS
1104	CEST, ASL, and magnetization transfer contrast: How similar pulse sequences detect different phenomena. Magnetic Resonance in Medicine, 2018, 80, 1320-1340.	1.9	25
1105	Priors-guided slice-wise adaptive outlier cleaning for arterial spin labeling perfusion MRI. Journal of Neuroscience Methods, 2018, 307, 248-253.	1.3	18
1106	Comparison between simultaneously acquired arterial spin labeling and 18F-FDG PET in mesial temporal lobe epilepsy assisted by a PET/MR system and SEEG. NeuroImage: Clinical, 2018, 19, 824-830.	1.4	26
1107	Overview and Critical Appraisal of Arterial Spin Labelling Technique in Brain Perfusion Imaging. Contrast Media and Molecular Imaging, 2018, 2018, 1-15.	0.4	25
1108	Effects of systematic partial volume errors on the estimation of gray matter cerebral blood flow with arterial spin labeling MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 725-734.	1.1	20
1109	Test–retest reliability of perfusion of the precentral cortex and precentral subcortical white matter on three-dimensional pseudo-continuous arterial spin labeling. Journal of International Medical Research, 2018, 46, 3788-3795.	0.4	2
1110	Impact of Nitric Oxide Bioavailability on the Progressive Cerebral and Peripheral Circulatory Impairments During Aging and Alzheimer's Disease. Frontiers in Physiology, 2018, 9, 169.	1.3	38
1111	Brain Perfusion Measurements Using Multidelay Arterial Spin-Labeling Are Systematically Biased by the Number of Delays. American Journal of Neuroradiology, 2018, 39, 1432-1438.	1.2	21
1112	Reduced Dynamic Coupling Between Spontaneous BOLD-CBF Fluctuations in Older Adults: A Dual-Echo pCASL Study. Frontiers in Aging Neuroscience, 2018, 10, 115.	1.7	17
1113	An Algorithm for Preclinical Diagnosis of Alzheimer's Disease. Frontiers in Neuroscience, 2018, 12, 275.	1.4	38
1114	Non-Invasive Renal Perfusion Imaging Using Arterial Spin Labeling MRI: Challenges and Opportunities. Diagnostics, 2018, 8, 2.	1.3	43
1115	The influence of suturectomy on age-related changes in cerebral blood flow in rabbits with familial bicoronal suture craniosynostosis: A quantitative analysis. PLoS ONE, 2018, 13, e0197296.	1.1	8
1116	The Lifespan Human Connectome Project in Development: A large-scale study of brain connectivity development in 5–21 year olds. NeuroImage, 2018, 183, 456-468.	2.1	184
1117	Arterial spin labeling MR imaging for differentiation between high- and low-grade glioma—a meta-analysis. Neuro-Oncology, 2018, 20, 1450-1461.	0.6	32
1118	Effect of blood T1 estimation strategy on arterial spin labeled cerebral blood flow quantification in children and young adults with kidney disease. Journal of Neuroradiology, 2019, 46, 29-35.	0.6	7
1119	Combined angiography and perfusion using radial imaging and arterial spin labeling. Magnetic Resonance in Medicine, 2019, 81, 182-194.	1.9	17
1120	Functional MRI of brain physiology in aging and neurodegenerative diseases. NeuroImage, 2019, 187, 209-225.	2.1	55
1121	Emerging advances of in vivo detection of chronic traumatic encephalopathy and traumatic brain injury. British Journal of Radiology, 2019, 92, 20180925.	1.0	17

#	Article	IF	CITATIONS
1122	ICA-based denoising for ASL perfusion imaging. NeuroImage, 2019, 200, 363-372.	2.1	14
1123	Dual-Echo Arterial Spin Labeling for Brain Perfusion Quantification and Functional Analysis. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2019, 2019, 1-7.	0.2	1
1124	Imaging Findings in Mild Traumatic Brain Injury. , 2019, , 23-47.		1
1125	Precuneus Dysfunction in Parkinson's Disease With Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 2018, 10, 427.	1.7	40
1126	Detecting resting-state brain activity using OEF-weighted imaging. NeuroImage, 2019, 200, 101-120.	2.1	3
1127	Cutting to the Pathophysiology Chase: Translating Cutting-Edge Neuroscience to Rehabilitation Practice in Sports-Related Concussion Management. Journal of Orthopaedic and Sports Physical Therapy, 2019, 49, 811-818.	1.7	6
1128	MR Imaging of Pediatric Musculoskeletal Tumors:. Magnetic Resonance Imaging Clinics of North America, 2019, 27, 341-371.	0.6	7
1129	Arterial Spin Labeling Reveals Disrupted Brain Networks and Functional Connectivity in Drug-Resistant Temporal Epilepsy. Frontiers in Neuroinformatics, 2018, 12, 101.	1.3	16
1130	Arterial Spin Labeling Magnetic Resonance Imaging for Differentiating Acute Ischemic Stroke from Epileptic Disorders. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 1684-1690.	0.7	6
1131	Highâ€dimensionality undersampled patchâ€based reconstruction (HDâ€PROST) for accelerated multiâ€contrast MRI. Magnetic Resonance in Medicine, 2019, 81, 3705-3719.	1.9	79
1133	Optimization of post-label delay in single-phase arterial spin labeling (ASL) using multi-phase ASL in four-dimensional magnetic resonance angiography. Neuroradiology Journal, 2019, 32, 173-178.	0.6	2
1134	Partial volume correction for arterial spin labeling using the inherent perfusion information of multiple measurements. BioMedical Engineering OnLine, 2019, 18, 12.	1.3	2
1135	Minimal Linear Networks for Magnetic Resonance Image Reconstruction. Scientific Reports, 2019, 9, 19527.	1.6	8
1136	Arterial spin labeling MR image denoising and reconstruction using unsupervised deep learning. NMR in Biomedicine, 2022, 35, e4224.	1.6	13
1137	Mapping optogenetically-driven single-vessel fMRI with concurrent neuronal calcium recordings in the rat hippocampus. Nature Communications, 2019, 10, 5239.	5.8	44
1138	Imaging clinically relevant pain states using arterial spin labeling. Pain Reports, 2019, 4, e750.	1.4	14
1139	Brain mechanisms impacted by psychological therapies for pain: identifying targets for optimization of treatment effects. Pain Reports, 2019, 4, e767.	1.4	19
1140	Overview of MR Imaging Volumetric Quantification in Neurocognitive Disorders. Topics in Magnetic Resonance Imaging, 2019, 28, 311-315.	0.7	8

#	Article	IF	Citations
1141	Improved sensitivity and temporal resolution in perfusion FMRI using velocity selective inversion ASL. Magnetic Resonance in Medicine, 2019, 81, 1004-1015.	1.9	21
1143	Non-invasive MRI of brain clearance pathways using multiple echo time arterial spin labelling: an aquaporin-4 study. Neurolmage, 2019, 188, 515-523.	2.1	92
1144	A general framework for optimizing arterial spin labeling MRI experiments. Magnetic Resonance in Medicine, 2019, 81, 2474-2488.	1.9	44
1145	Visualizing arteryâ€specific blood flow patterns above the circle of Willis with vesselâ€encoded arterial spin labeling. Magnetic Resonance in Medicine, 2019, 81, 1595-1604.	1.9	12
1146	Multidelay multiparametric arterial spin labeling perfusion MRI and mild cognitive impairment in early stage Parkinson's disease. Human Brain Mapping, 2019, 40, 1317-1327.	1.9	28
1147	Non-BOLD contrast for laminar fMRI in humans: CBF, CBV, and CMRO2. NeuroImage, 2019, 197, 742-760.	2.1	96
1148	MRI techniques to measure arterial and venous cerebral blood volume. NeuroImage, 2019, 187, 17-31.	2.1	75
1149	Recent progress in ASL. Neurolmage, 2019, 187, 3-16.	2.1	76
1150	Foundations of layer-specific fMRI and investigations of neurophysiological activity in the laminarized neocortex and olfactory bulb of animal models. NeuroImage, 2019, 199, 718-729.	2.1	14
1151	Cardiac-gated steady-state multifrequency magnetic resonance elastography of the brain: Effect of cerebral arterial pulsation on brain viscoelasticity. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 991-1001.	2.4	18
1152	Experimental sepsis-associated encephalopathy is accompanied by altered cerebral blood perfusion and water diffusion and related to changes in cyclooxygenase-2 expression and glial cell morphology but not to blood-brain barrier breakdown. Brain, Behavior, and Immunity, 2020, 83, 200-213.	2.0	31
1153	Intravascular signal suppression and microvascular signal mapping using delays alternating with nutation for tailored excitation (DANTE) pulse for arterial spin labeling perfusion imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 367-376.	1.1	4
1154	Calibration of arterial spin labeling dataâ€"potential pitfalls in postâ€processing. Magnetic Resonance in Medicine, 2020, 83, 1222-1234.	1.9	36
1155	Arterial spin labeling perfusion-weighted imaging aids in prediction of molecular biomarkers and survival in glioblastomas. European Radiology, 2020, 30, 1202-1211.	2.3	25
1156	High spatiotemporal vessel-specific hemodynamic mapping with multi-echo single-vessel fMRI. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 2098-2114.	2.4	9
1157	Associations between cerebral blood flow and structural and functional brain imaging measures in individuals with neuropsychologically defined mild cognitive impairment. Neurobiology of Aging, 2020, 86, 64-74.	1.5	42
1158	Robust single-shot acquisition of high resolution whole brain ASL images by combining time-dependent 2D CAPIRINHA sampling with spatio-temporal TGV reconstruction. NeuroImage, 2020, 206, 116337.	2.1	26
1159	Background suppressed magnetization transfer MRI. Magnetic Resonance in Medicine, 2020, 83, 883-891.	1.9	1

#	Article	IF	CITATIONS
1160	7T bone perfusion imaging of the knee using arterial spin labeling MRI. Magnetic Resonance in Medicine, 2020, 83, 1577-1586.	1.9	4
1161	Consensus-based technical recommendations for clinical translation of renal ASL MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 141-161.	1.1	80
1162	The costs and benefits of estimating T 1 of tissue alongside cerebral blood flow and arterial transit time in pseudoâ€continuous arterial spin labeling. NMR in Biomedicine, 2020, 33, e4182.	1.6	5
1163	Estimating regional cerebral blood flow using resting-state functional MRI via machine learning. Journal of Neuroscience Methods, 2020, 331, 108528.	1.3	6
1164	Arterial spin labeling versus 18F-FDG-PET to identify mild cognitive impairment. NeuroImage: Clinical, 2020, 25, 102146.	1.4	59
1165	Longitudinal Reproducibility of MR Perfusion Using 3D Pseudocontinuous Arterial Spin Labeling With Hadamardâ€Encoded Multiple Postlabeling Delays. Journal of Magnetic Resonance Imaging, 2020, 51, 1846-1853.	1.9	27
1166	Interleaved <sup>31</sup> P MRS/ <sup>1</sup> H ASL for analysis of metabolic and functional heterogeneity along human lower leg muscles at 7T. Magnetic Resonance in Medicine, 2020, 83, 1909-1919.	1.9	20
1167	Optimizing MRFâ€ASL scan design for precise quantification of brain hemodynamics using neural network regression. Magnetic Resonance in Medicine, 2020, 83, 1979-1991.	1.9	16
1168	Predicting <sup>15</sup> O-Water PET cerebral blood flow maps from multi-contrast MRI using a deep convolutional neural network with evaluation of training cohort bias. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 2240-2253.	2.4	30
1169	Arterial transit artifacts observed by arterial spin labeling in Moyamoya disease. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 105058.	0.7	15
1170	Lateralization Effects on Cerebral Blood Flow in Patients With Unilateral Pulsatile Tinnitus Measured With Arterial Spin Labeling. Frontiers in Human Neuroscience, 2020, 14, 591260.	1.0	7
1171	Quantitative Cerebrovascular Reactivity in Normal Aging: Comparison Between Phase-Contrast and Arterial Spin Labeling MRI. Frontiers in Neurology, 2020, 11, 758.	1.1	13
1172	Acquisition Duration in Resting-State Arterial Spin Labeling. How Long Is Enough?. Frontiers in Neuroscience, 2020, 14, 598.	1.4	6
1173	VisualNeuro: A Hypothesis Formation and Reasoning Application for Multiâ€Variate Brain Cohort Study Data. Computer Graphics Forum, 2020, 39, 392-407.	1.8	7
1174	Brain ventricular enlargement in human and murine acute intermittent porphyria. Human Molecular Genetics, 2020, 29, 3211-3223.	1.4	3
1175	Designing and comparing optimized pseudo-continuous Arterial Spin Labeling protocols for measurement of cerebral blood flow. Neurolmage, 2020, 223, 117246.	2.1	19
1176	Longitudinal GluCEST MRI Changes and Cerebral Blood Flow in 5xFAD Mice. Contrast Media and Molecular Imaging, 2020, 2020, 1-12.	0.4	10
1177	Numerical approximation to the general kinetic model for ASL quantification. Magnetic Resonance in Medicine, 2020, 84, 2846-2857.	1.9	2

#	Article	IF	CITATIONS
1178	Robust arterial transit time and cerebral blood flow estimation using combined acquisition of Hadamardâ€encoded multiâ€delay and longâ€dabeled longâ€delay pseudoâ€continuous arterial spin labeling: a simulation and in vivo study. NMR in Biomedicine, 2020, 33, e4319.	1.6	12
1179	Supporting measurements or more averages? How to quantify cerebral blood flow most reliably in 5 minutes by arterial spin labeling. Magnetic Resonance in Medicine, 2020, 84, 2523-2536.	1.9	9
1180	ExploreASL: An image processing pipeline for multi-center ASL perfusion MRI studies. NeuroImage, 2020, 219, 117031.	2.1	80
1181	Nasopharyngeal carcinoma perfusion MRI. Medicine (United States), 2020, 99, e20503.	0.4	10
1182	Combined Denoising and Suppression of Transient Artifacts in Arterial Spin Labeling <scp>MRI</scp> Using Deep Learning. Journal of Magnetic Resonance Imaging, 2020, 52, 1413-1426.	1.9	15
1183	Analysis of task-based functional MRI data preprocessed with fMRIPrep. Nature Protocols, 2020, 15, 2186-2202.	5.5	78
1184	Technical Aspects of in vivo Small Animal CMR Imaging. Frontiers in Physics, 2020, 8, .	1.0	7
1185	Quantitative and Dynamic MRI Measures of Peripheral Vascular Function. Frontiers in Physiology, 2020, 11, 120.	1.3	15
1186	Altered cerebral blood flow in patients with anti-NMDAR encephalitis. Journal of Neurology, 2020, 267, 1760-1773.	1.8	11
1187	Cerebral Blood Flow Is Associated with Diagnostic Class and Cognitive Decline in Alzheimer's Disease. Journal of Alzheimer's Disease, 2020, 76, 1103-1120.	1.2	26
1188	Imaging Pulmonary Blood Flow Using Pseudocontinuous Arterial Spin Labeling ( <scp>PCASL</scp> ) With Balanced Steadyâ€State Freeâ€Precession ( <scp>bSSFP</scp> ) Readout at 1.5T. Journal of Magnetic Resonance Imaging, 2020, 52, 1767-1782.	1.9	8
1189	Cortical laminar restingâ€state signal fluctuations scale with the hypercapnic blood oxygenation levelâ€dependent response. Human Brain Mapping, 2020, 41, 2014-2027.	1.9	25
1190	Denoising arterial spin labeling perfusion MRI with deep machine learning. Magnetic Resonance Imaging, 2020, 68, 95-105.	1.0	59
1191	Discovery of Balovaptan, a Vasopressin 1a Receptor Antagonist for the Treatment of Autism Spectrum Disorder. Journal of Medicinal Chemistry, 2020, 63, 1511-1525.	2.9	35
1192	Arterial Spin Labeling in Pediatric Neuroimaging. Seminars in Pediatric Neurology, 2020, 33, 100799.	1.0	10
1193	Measuring Knee Bone Marrow Perfusion Using Arterial Spin Labeling at 3 T. Scientific Reports, 2020, 10, 5260.	1.6	8
1194	Anoxic Brain Injury Detection with the Normalized Diffusion to ASL Perfusion Ratio: Implications for Blood-Brain Barrier Injury and Permeability. American Journal of Neuroradiology, 2020, 41, 598-606.	1.2	7
1195	Arterial spin labeling magnetic resonance imaging at short post-labeling delay reflects cerebral perfusion pressure verified by oxygen-15-positron emission tomography in cerebrovascular steno-occlusive disease. Acta Radiologica, 2021, 62, 225-233.	0.5	3

#	Article	IF	CITATIONS
1196	Altered resting cerebral blood flow specific to patients with diabetic retinopathy revealed by arterial spin labeling perfusion magnetic resonance imaging. Acta Radiologica, 2021, 62, 524-532.	0.5	1
1197	Comparison of 2D simultaneous multi-slice and 3D GRASE readout schemes for pseudo-continuous arterial spin labeling of cerebral perfusion at 3 T. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 437-450.	1.1	3
1198	Effects of Acquisition Parameter Modifications and Field Strength on the Reproducibility of Brain Perfusion Measurements Using Arterial Spin-Labeling. American Journal of Neuroradiology, 2021, 42, 109-115.	1.2	10
1199	Arterial Spin Labeled Perfusion MRI for Assessing Antiangiogenic Therapy: A Step Forward or Just More Spin?. Radiology, 2021, 298, 341-342.	3.6	0
1200	Multiâ€band MR fingerprinting (MRF) ASL imaging using artificialâ€neuralâ€network trained with highâ€fidelity experimental data. Magnetic Resonance in Medicine, 2021, 85, 1974-1985.	1.9	15
1201	Comparison of velocityâ€selective arterial spin labeling schemes. Magnetic Resonance in Medicine, 2021, 85, 2027-2039.	1.9	13
1202	Modeling of vascular space occupancy and BOLD functional MRI from first principles using real microvascular angiograms. Magnetic Resonance in Medicine, 2021, 85, 456-468.	1.9	3
1203	Medical imaging of tissue engineering and regenerative medicine constructs. Biomaterials Science, 2021, 9, 301-314.	2.6	9
1204	Development of fast multiâ€slice apparent T <sub>1</sub> mapping for improved arterial spin labeling MRI measurement of cerebral blood flow. Magnetic Resonance in Medicine, 2021, 85, 1571-1580.	1.9	16
1205	Contrast optimization in arterial spin labeling with multiple post-labeling delays for cerebrovascular assessment. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 119-131.	1.1	3
1206	Crossed Cerebellar Diaschisis in Alzheimer's Disease Detected by Arterial Spin-labelling Perfusion MRI. In Vivo, 2021, 35, 1177-1183.	0.6	5
1207	Noninvasive Renal Perfusion Measurement Using Arterial Spin Labeling (ASL) MRI: Basic Concept. Methods in Molecular Biology, 2021, 2216, 229-239.	0.4	4
1208	Cerebrovascular Reactivity Mapping Without Gas Challenges: A Methodological Guide. Frontiers in Physiology, 2020, 11, 608475.	1.3	41
1209	Changes in resting-state cerebral blood flow and its connectivity in patients with focal to bilateral tonic-clonic seizures. Epilepsy and Behavior, 2021, 115, 107687.	0.9	5
1210	MRI study of cerebral blood flow, vascular reactivity, and vascular coupling in systemic hypertension. Brain Research, 2021, 1753, 147224.	1.1	10
1211	Comparative Assessment of the Proteolytic Stability and Impact of Poly-Arginine Peptides R18 and R18D on Infarct Growth and Penumbral Tissue Preservation Following Middle Cerebral Artery Occlusion in the Sprague Dawley Rat. Neurochemical Research, 2021, 46, 1166-1176.	1.6	3
1212	Serotonin transporter genotype modulates resting state and predator stress-induced amygdala perfusion in mice in a sex-dependent manner. PLoS ONE, 2021, 16, e0247311.	1.1	4
1213	The Relationship Among Glucose Metabolism, Cerebral Blood Flow, and Functional Activity: a Hybrid PET/fMRI Study. Molecular Neurobiology, 2021, 58, 2862-2873.	1.9	17

#	Article	IF	CITATIONS
1214	Glucose Control Has an Impact on Cerebral Blood Flow Alterations in Chronic Tinnitus Patients. Frontiers in Neuroscience, 2020, 14, 623520.	1.4	5
1215	A perfusion phantom for ASL MRI based on impinging jets. Magnetic Resonance in Medicine, 2021, 86, 1145-1158.	1.9	2
1216	Sub-millimetre resolution laminar fMRI using Arterial Spin Labelling in humans at 7 T. PLoS ONE, 2021, 16, e0250504.	1.1	27
1217	Magnetic resonance biomarkers in radiation oncology: The report of AAPM Task Group 294. Medical Physics, 2021, 48, e697-e732.	1.6	16
1218	Evaluation of Arterial Spin Labeling MRIâ€"Comparison with 15O-Water PET on an Integrated PET/MR Scanner. Diagnostics, 2021, 11, 821.	1.3	2
1219	Cerebral Blood Flow Predicts Conversion of Mild Cognitive Impairment into Alzheimer's Disease and Cognitive Decline: An Arterial Spin Labeling Follow-up Study. Journal of Alzheimer's Disease, 2021, 82, 293-305.	1.2	26
1220	Brain networks in patients with isolated or recurrent transient global amnesia. Acta Neurologica Scandinavica, 2021, 144, 465-472.	1.0	8
1221	Visualization of incidentally imaged pituitary gland on three-dimensional arterial spin labeling of the brain. British Journal of Radiology, 2021, 94, 20201311.	1.0	0
1222	Aberrant cerebral blood flow in tinnitus patients with migraine: a perfusion functional MRI study. Journal of Headache and Pain, 2021, 22, 61.	2.5	13
1224	Semantic verbal fluency brain network: delineating a physiological basis for the functional hubs using dual-echo ASL and graph theory approach. Journal of Neural Engineering, 2021, 18, 046089.	1.8	3
1225	Robust arterial spin labeling MRI measurement of pharmacologically induced perfusion change in rat kidneys. NMR in Biomedicine, 2021, 34, e4566.	1.6	1
1226	Longitudinal Trajectories of Regional Cerebral Blood Flow in Very Preterm Infants during Third Trimester Ex Utero Development Assessed with MRI. Radiology, 2021, 299, 691-702.	3.6	9
1227	Cerebrovascular reactivity measurements using simultaneous 150-water PET and ASL MRI: Impacts of arterial transit time, labeling efficiency, and hematocrit. NeuroImage, 2021, 233, 117955.	2.1	28
1228	Longitudinal Cerebral Blood Flow Changes in Normal Aging and the Alzheimer's Disease Continuum Identified by Arterial Spin Labeling MRI. Journal of Alzheimer's Disease, 2021, 81, 1727-1735.	1.2	27
1229	Cerebral Blood Flow of the Neonatal Brain after Hypoxic–Ischemic Injury. American Journal of Perinatology, 2023, 40, 475-488.	0.6	8
1230	Arterial Transit Timeâ€Based Multidelay Combination Strategy Improves Arterial Spin Labeling Cerebral Blood Flow Measurement Accuracy in Severe Stenoâ€Occlusive Diseases. Journal of Magnetic Resonance Imaging, 2022, 55, 178-187.	1.9	14
1231	Non-linear fitting with joint spatial regularization in arterial spin labeling. Medical Image Analysis, 2021, 71, 102067.	7.0	5
1232	Erythritol and xylitol differentially impact brain networks involved in appetite regulation in healthy volunteers. Nutritional Neuroscience, 2022, 25, 2344-2358.	1.5	5

#	Article	IF	Citations
1233	Hybrid â€shimming and gradient adaptions for improved pseudoâ€continuous arterial spin labeling at 7 Tesla. Magnetic Resonance in Medicine, 2022, 87, 207-219.	1.9	6
1234	Arterial Spin Labeling Cerebral Perfusion Changes in Chronic Tinnitus With Tension-Type Headache. Frontiers in Neurology, 2021, 12, 698539.	1.1	0
1235	Arterial Spin Labeling Applications in Neuroimaging. Advances in Clinical Radiology, 2021, 3, 227-237.	0.1	0
1236	Firefighters Have Cerebral Blood Flow Reductions in the Orbitofrontal and Insular Cortices That are Associated with Poor Sleep Quality. Nature and Science of Sleep, 2021, Volume 13, 1507-1517.	1.4	7
1237	Assessment of single-vessel cerebral blood velocity by phase contrast fMRI. PLoS Biology, 2021, 19, e3000923.	2.6	9
1238	Functional Magnetic Resonance Imaging and Applications in Dermatology. JID Innovations, 2021, 1, 100015.	1.2	1
1239	Quantifying tissue perfusion after peripheral endovascular procedures: Novel tissue perfusion endpoints to improve outcomes. World Journal of Cardiology, 2021, 13, 381-398.	0.5	5
1240	Human microvascular reactivity: a review of vasomodulating stimuli and non-invasive imaging assessment. Physiological Measurement, 2021, 42, 09TR01.	1.2	4
1241	A new VAE-GAN model to synthesize arterial spin labeling images from structural MRI. Displays, 2021, 70, 102079.	2.0	10
1242	Imaging Cerebral Blood Flow for Brain Health Measurement. , 2022, , 126-135.		2
1244	Principles of Functional MRI. , 2006, , 3-23.		4
1245	Challenges in fMRI and Its Limitations. , 2006, , 75-98.		13
1246	Evaluation of drug candidates: Efficacy readouts during lead optimization., 2005, 62, 185-255.		7
1247	Imaging the Neural Systems for Motivated Behavior and Their Dysfunction in Neuropsychiatric Illness. , 2006, , 763-810.		11
1248	High Magnetic Fields for Imaging Cerebral Morphology, Function, and Biochemistry. Biological Magnetic Resonance, 2006, , 285-342.	0.4	8
1249	Aspects of Clinical Imaging at 7 T. Biological Magnetic Resonance, 2006, , 59-103.	0.4	4
1250	Principles of BOLD Functional MRI., 2011,, 293-303.		5
1251	Principles of Functional MRI., 2010, , 3-22.		5

#	Article	IF	CITATIONS
1252	Skeletal Muscle Perfusion and Oxygenation Assessed by Dynamic NMR Imaging and Spectroscopy. Advances in Experimental Medicine and Biology, 2011, 701, 341-346.	0.8	5
1253	Imaging Angiogenesis, Inflammation, and Metastasis in the Tumor Microenvironment with Magnetic Resonance Imaging. Advances in Experimental Medicine and Biology, 2014, 772, 263-283.	0.8	13
1254	Brain Activation Studies Using Magnetic Resonance Imaging., 1997,, 241-265.		4
1255	In Vivo Magnetic Resonance Imaging and Spectroscopy: Application to Brain Tumors., 1997,, 145-178.		8
1256	Regional Cerebrovascular Responses to Hypercapnia and Hypoxia. Advances in Experimental Medicine and Biology, 2016, 903, 157-167.	0.8	13
1257	Dynamic Magnetic Resonance Imaging of Cerebral Blood Flow Using Arterial Spin Labeling. Methods in Molecular Biology, 2009, 489, 277-295.	0.4	5
1258	Longitudinal Functional Magnetic Resonance Imaging in Animal Models. Methods in Molecular Biology, 2011, 711, 281-302.	0.4	76
1259	Spinal Cord – MR of Rodent Models. Methods in Molecular Biology, 2011, 771, 355-383.	0.4	3
1260	Cerebral Perfusion MRI in Mice. Methods in Molecular Biology, 2011, 771, 117-138.	0.4	3
1261	A Two-Stage Multi-loss Super-Resolution Network for Arterial Spin Labeling Magnetic Resonance Imaging. Lecture Notes in Computer Science, 2019, , 12-20.	1.0	11
1262	BOLD fMRI-Based Brain Perfusion Prediction Using Deep Dilated Wide Activation Networks. Lecture Notes in Computer Science, 2019, , 373-381.	1.0	2
1263	Clinical MR Biomarkers. Recent Results in Cancer Research, 2020, 216, 719-745.	1.8	2
1264	When Photons Meet Protons: Optogenetics, Calcium Signal Detection, and fMRI in Small Animals. , 2017, , 773-791.		4
1265	Magnetic Resonance of Mouse Models of Cardiac Disease. Handbook of Experimental Pharmacology, 2008, , 245-257.	0.9	7
1267	Perfusion Imaging by Magnetic Resonance. , 2014, , 341-376.		1
1268	The Temporal Resolution of Functional MRI. Medical Radiology, 2000, , 205-220.	0.0	8
1269	Perfusion fMRI with Arterial Spin Labeling. Medical Radiology, 2000, , 47-61.	0.0	8
1270	Perfusion Imaging with Echo-Planar Imaging. , 1998, , 419-464.		4

#	Article	IF	CITATIONS
1271	Echo-Planar Magnetic Resonance Imaging of Human Brain Activation., 1998,, 493-530.		5
1272	Assessment of 2-Chloroadenosine Treatment After Experimental Traumatic Brain Injury in the Rat Using Arterial Spin-Labeled MRI: A Preliminary Report. , 2000, 76, 187-189.		6
1273	Foundations of advanced magnetic resonance imaging. Neurotherapeutics, 2005, 2, 167-196.	2.1	1
1274	Tracer Measurements of Blood Flow. , 1994, , 209-220.		5
1275	Perfusion Imaging in the Pediatric Patient. Magnetic Resonance Imaging Clinics of North America, 2001, 9, 207-230.	0.6	45
1276	CORTICAL ACTIVATION MR STUDIES IN BRAIN DISORDERS. Magnetic Resonance Imaging Clinics of North America, 1998, 6, 67-93.	0.6	23
1278	Event-related functional MRI: Past, present, and future. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 773-780.	3.3	458
1279	<i>Selection of the optimal pulse sequence for functional MRI</i> ., 2001, , 123-145.		6
1280	Technical considerations for BOLD fMRI of the orbitofrontal cortex. , 2006, , 423-446.		9
1281	Hyperperfusion in the thalamus on arterial spin labelling indicates non-convulsive status epilepticus. Brain Communications, 2021, 3, fcaa223.	1.5	22
1282	Contrast-Reduced Imaging of Tissue Concentration and Arterial Level (CRITICAL) for Assessment of Cerebral Hemodynamics in Acute Stroke by Magnetic Resonance. Investigative Radiology, 2000, 35, 401-411.	3.5	26
1283	Direct Comparison of Local Cerebral Blood Flow Rates Measured by MRI Arterial Spin-Tagging and Quantitative Autoradiography in a Rat Model of Experimental Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2003, , 198-209.	2.4	20
1284	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, , 472-481.	2.4	97
1285	Dynamic Imaging of Perfusion and Oxygenation by Functional Magnetic Resonance Imaging. , 0, .		5
1286	EEG-Linked Functional Magnetic Resonance Imaging in Epilepsy and Cognitive Neurophysiology. Journal of Clinical Neurophysiology, 2000, 17, 43-58.	0.9	58
1287	Cerebral Perfusion MRI with Arterial Spin Labeling Technique at 0.5 Tesla. Journal of Computer Assisted Tomography, 2000, 24, 124-127.	0.5	7
1293	Magnetic Resonance Images Lipid, Fibrous, Calcified, Hemorrhagic, and Thrombotic Components of Human Atherosclerosis In Vivo. Circulation, 1996, 94, 932-938.	1.6	541
1294	CMR02 Mapping by Calibrated fMRI. Series in Medical Physics and Biomedical Engineering, 2013, , 85-109.	0.1	1

#	Article	IF	CITATIONS
1295	A Technical Perspective for Understanding Quantitative Arterial Spin-Labeling MR Imaging Using Continuous ASL. Polski Przeglad Radiologii I Medycyny Nuklearnej, 2016, 81, 317-321.	1.0	3
1296	Simulations of Perfusion Signals of Pulsed Arterial Spin Labeling MRI. Journal of the Korean Society of Magnetic Resonance in Medicine, 2011, 15, 191.	0.1	2
1297	Sustained Reperfusion after Blockade of Glycoprotein-Receptor-lb in Focal Cerebral Ischemia: An MRI Study at 17.6 Tesla. PLoS ONE, 2011, 6, e18386.	1.1	29
1298	A Two-Stage Model for In Vivo Assessment of Brain Tumor Perfusion and Abnormal Vascular Structure Using Arterial Spin Labeling. PLoS ONE, 2013, 8, e75717.	1.1	11
1299	Clinical Evaluation of an Arterial-Spin-Labeling Product Sequence in Steno-Occlusive Disease of the Brain. PLoS ONE, 2014, 9, e87143.	1,1	35
1300	Simultaneous Imaging of CBF Change and BOLD with Saturation-Recovery-T1 Method. PLoS ONE, 2015, 10, e0122563.	1.1	3
1301	Detection of crossed cerebellar diaschisis in hyperacute ischemic stroke using arterial spin-labeled MR imaging. PLoS ONE, 2017, 12, e0173971.	1.1	24
1302	Cerebral blood flow changes in remitted early- and late-onset depression patients. Oncotarget, 2017, 8, 76214-76222.	0.8	33
1303	Aberrant pattern of regional cerebral blood flow in Alzheimer's disease: a voxel-wise meta-analysis of arterial spin labeling MR imaging studies. Oncotarget, 2017, 8, 93196-93208.	0.8	16
1304	Absolute Oxygenation Metabolism Measurements Using Magnetic Resonance Imaging. Open Neuroimaging Journal, 2011, 5, 120-135.	0.2	2
1305	Quantitative MRI of Cerebral Arterial Blood Volume. Open Neuroimaging Journal, 2011, 5, 136-145.	0.2	18
1306	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
1307	Brain fMRI in Clinical Pharmacological Studies. , 2006, , 245-260.		3
1308	Clinical utility of arterial spin labeling imaging in disorders of the nervous system. Neurosurgical Focus, 2019, 47, E5.	1.0	24
1309	Cerebral magnetic resonance imaging in quiescent Crohn's disease patients with fatigue. World Journal of Gastroenterology, 2017, 23, 1018.	1.4	12
1312	Reduction of motion effects in myocardial arterial spin labeling. Magnetic Resonance in Medicine, 2022, 87, 1261-1275.	1.9	4
1313	Separating spin compartments in arterial spin labeling using delays alternating with nutation for tailored excitation (DANTE) pulse: A validation study using T 2 â€relaxometry and application to arterial cerebral blood volume imaging. Magnetic Resonance in Medicine, 2021, , .	1.9	5
1314	Four functional magnetic resonance imaging techniques for skeletal muscle exploration, a systematic review. European Journal of Radiology, 2021, 144, 109995.	1.2	9

#	Article	IF	CITATIONS
1315	Use of Diffusible and Nondiffusible Tracers in Studies of Brain Perfusion. Medical Radiology, 2000, , 37-46.	0.0	0
1316	Magnetic Resonance Angiography and Flow Imaging. , 2000, , 159-226.		0
1317	Functional MRI of the Sensorimotor System. Medical Radiology, 2000, , 381-391.	0.0	2
1318	Inflow-Based Functional MRI Using Time-of-Flight Angiographic Techniques. Medical Radiology, 2000, , 73-81.	0.0	0
1319	Functional MRI and Hypercapnia. Medical Radiology, 2000, , 433-439.	0.0	0
1320	Functional Assessment of the Coronary Physiology: The Role of Magnetic Resonance. , 2002, , 114-124.		0
1321	Functional Magnetic Resonance Imaging. Frontiers in Neuroscience, 2002, , 92-134.	0.0	0
1322	MRI Measurement of Cerebral Perfusion and Application to Experimental Neuroscience. Frontiers in Neuroscience, 2002, , 21-54.	0.0	0
1323	Pharmacologic Magnetic Resonance Imaging (phMRI). Frontiers in Neuroscience, 2002, , 153-231.	0.0	2
1324	Perfusion MRI. , 2003, , 73-82.		0
1325	Ischemic Mechanisms in Traumatic Brain Injury., 2003,, 60-71.		0
1326	The Past, Present And Future Of Magnetic Resonance Imaging. , 2003, , 283-294.		1
1327	Physiology of Functional Activation. Advances in Experimental Medicine and Biology, 2003, 510, 365-368.	0.8	0
1328	Functional Neuroimaging., 2003,, 1-50.		0
1330	Development of a Hyperpolarized 129Xe System on 3T for the Rat Lungs. Magnetic Resonance in Medical Sciences, 2004, 3, 1-9.	1.1	0
1331	MR Pulmonary Perfusion. Medical Radiology, 2004, , 189-199.	0.0	1
1332	High-Definition Magnetic Resonance of Genetically Modified Mice. Basic Science for the Cardiologist, 2004, , 101-117.	0.1	0
1333	MR Diffusion and Perfusion Imaging in Epilepsy. , 2005, , 315-332.		1

#	Article	IF	Citations
1334	Oxygen-Enhanced Ventilation Imaging. Lung Biology in Health and Disease, 2005, , 181-210.	0.1	0
1335	Disturbed Brain Perfusion. Medical Radiology, 2006, , 103-116.	0.0	0
1338	Advanced Magnetic Resonance Neuroimaging Techniques in the Neonate with a Focus on Hemodynamic-related Brain Injury., 2008,, 133-146.		0
1339	EEG–fMRI in Animal Models. , 2009, , 485-509.		0
1340	Imaging Pulmonary Microvascular Flow. , 2009, , 57-64.		0
1341	fMRI of Pain. Neuromethods, 2009, , 457-491.	0.2	1
1342	Functional Magnetic Resonance Imaging in Drug Development., 2010,, 67-89.		0
1343	Spatial Resolution of fMRI Techniques. , 2010, , 15-21.		2
1344	Challenges in fMRI and Its Limitations. , 2010, , 71-92.		0
1345	Perfusion MRI. , 2011, , 67-81.		0
1347	Measurement of Pulmonary Vascular Structure and Pulmonary Blood Distribution by Multidetector-Row Computed Tomography and Magnetic Resonance Imaging Techniques., 2011,, 511-524.		0
1348	Non-gadolinium Perfusion Technique (Arterial Spin Labeling). , 2011, , 61-69.		0
1349	Experimental Stroke Research: The Contributions of In Vivo MRI. Methods in Molecular Biology, 2011, 771, 255-275.	0.4	0
1350	Challenges in fMRI and Its Limitations. , 2011, , 331-344.		4
1352	Introduction to Nuclear Magnetic Resonance (NMR) Methods. Advances in Neurobiology, 2012, , 3-31.	1.3	0
1354	Quantitative Flow Relaxographic Angiography. Open Journal of Radiology, 2012, 02, 31-38.	0.1	1
1355	Advanced Magnetic Resonance Neuroimaging Techniques in the Neonate with a Focus on Hemodynamic-Related Brain Injury. , 2012, , 187-198.		0
1357	Pseudo Continuous Arterial Spin Labeling MR Imaging of Status Epilepticus. Journal of the Korean Society of Magnetic Resonance in Medicine, 2012, 16, 142.	0.1	2

#	Article	IF	CITATIONS
1358	A Comprehensive Framework for the Detection of Individual Brain Perfusion Abnormalities Using Arterial Spin Labeling. Lecture Notes in Computer Science, 2012, 15, 542-549.	1.0	О
1362	Spatial Resolution of fMRI Techniques. , 2013, , 17-24.		1
1364	MRI/PET Brain Imaging. , 2014, , 93-137.		0
1365	Diffusion-Weighted Imaging., 1995,, 451-462.  Magnetic Resonance Imaging of Cerebral Blood Flow**The Pittsburgh NMR Center for Biomedical		O
1366	Research was established by grants from the Richard King Mellon Foundation, the Lucille P. Markey Charitable Trust, the Ben Franklin Partnership Program of the Commonwealth of Pennsylvania, and the Ralph M. Parsons Foundation. The work described was supported by a National Institutes of Health Division of Research Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Resources Award RR-03631 to the Pittsburgh RR-03631 to the Pittsburg		1
1367	Colleagues at the MGH-NMR Center, particularly Drs. Aronen, Benson, Breiter, Chesler, Cohen, Jiang, Kennedy, Kosslyn, Tootell, Weisskoff, and Brady. This work was supported by grants from General Electric, Human Frontier Science Program Organization, McDonnell-Pew Program in Cognitive		2
1368	The Physiological Basis of Functional Magnetic Resonance Imaging**Supported by the Deutsche Forschungsgemeinschaft (Vi 97/7–1, Di 454/4–2), the Sander-Stiftung (90.023.2), and the Human Frontiers Science Program Organization, 1995, , 499-508.		0
1369	Motion and Flow. , 1996, , 277-337.		О
1370	Functional Magnetic Resonance Imaging. , 1996, , 299-330.		0
1371	Understanding of Diagnostic Imaging for Acupuncturists Zen Nihon Shinkyu Gakkai Zasshi (Journal) Tj ETQq1	1 0.784314	4 rgBT /Overlo
		0.1	<b>4</b> 0 .
1372	High-Speed Echo-Planar Imaging and its Application to Neurology. , 1997, , 213-239.	0.1	0
1372 1373	High-Speed Echo-Planar Imaging and its Application to Neurology. , 1997, , 213-239.  The MR T 1 Based Perfusion Model. Advances in Experimental Medicine and Biology, 1997, 413, 27-34.	0.8	
		0.1	0
1373	The MR T 1 Based Perfusion Model. Advances in Experimental Medicine and Biology, 1997, 413, 27-34.	0.1	0
1373 1375	The MR T 1 Based Perfusion Model. Advances in Experimental Medicine and Biology, 1997, 413, 27-34.  Research Issues Using Echo-Planar Imaging for Functional Brain Imaging., 1998,, 531-543.	0.1	0 0 1
1373 1375 1376	The MR T 1 Based Perfusion Model. Advances in Experimental Medicine and Biology, 1997, 413, 27-34.  Research Issues Using Echo-Planar Imaging for Functional Brain Imaging., 1998, , 531-543.  Motion and Flow., 1999, , 311-408.	0.8	0 0 1
1373 1375 1376	The MR T 1 Based Perfusion Model. Advances in Experimental Medicine and Biology, 1997, 413, 27-34.  Research Issues Using Echo-Planar Imaging for Functional Brain Imaging., 1998,, 531-543.  Motion and Flow., 1999,, 311-408.  FLOW AND MOTION. Magnetic Resonance Imaging Clinics of North America, 1999, 7, 699-715.	0.8	0 0 1 0

#	Article	IF	CITATIONS
1381	The Road to fMRI Using Endogenous MR Blood Contrast. Biological Magnetic Resonance, 2015, , 19-23.	0.4	0
1382	Alternative Methods for fMRI. Biological Magnetic Resonance, 2015, , 271-309.	0.4	0
1383	Quantitative fMRI. Biological Magnetic Resonance, 2015, , 215-243.	0.4	1
1384	Neuroimaging in Psychiatry., 2016,, 881-917.		1
1385	Functional Imaging: Magnetic Resonance Imaging. , 2016, , 1-28.		0
1386	Arterial Spin-Labeled Perfusion Imaging. , 2016, , 101-118.		0
1387	Brain Lesions Attributed to Acute Seizures. Journal of Neurocritical Care, 2016, 9, 78-91.	0.4	0
1389	Experimental Models of Brain Disease: MRI Contrast Mechanisms for the Assessment of Pathophysiological Status., 2017, , 1-30.		0
1390	Rheumatic Pain., 2017,, 297-317.		0
1391	ASL 3.0 T Perfusion Studies. , 2017, , 133-144.		0
1392	3.0 T Imaging of Ischemic Stroke. , 2017, , 211-222.		0
1393	Experimental Models of Brain Disease: MRI Contrast Mechanisms for the Assessment of Pathophysiological Status., 2018,, 63-92.		0
1394	IRM et TDM de perfusion dans l'exploration des tumeurs cérébrales. , 2018, , 361-376.e3.		0
1395	Role of contrast-free MR-perfusion in the diagnosis of potential epileptogenic foci in children with focal epilepsia. Epilepsy and Paroxysmal Conditions, 2018, 10, 6-18.	0.2	3
1396	Mapping Optogenetically Driven Single-Vessel fMRI with Concurrent Neuronal Calcium Recordings in the Rat Hippocampus. SSRN Electronic Journal, 0, , .	0.4	0
1398	Spatial Resolution of fMRI Techniques. , 2020, , 65-72.		2
1399	Evaluation of Cerebral Blood Flow Using Arterial Spin Labeling in Patients with Chronic Kidney Disease. Journal of the Korean Society of Radiology, 2020, 81, 912.	0.1	0
1400	Acquisition Aspects of Functional and Clinical Arterial Spin Labeling. , 2020, , 73-88.		0

#	Article	IF	CITATIONS
1401	Brain Tumour Imaging: Developing Techniques and Future Perspectives., 2020,, 81-92.		О
1403	Arterial Spin Labeling MRI: Basic Physics, Pulse Sequences, and Modeling. Advances in Magnetic Resonance Technology and Applications, 2020, , 295-320.	0.0	2
1404	Applications of Quantitative Perfusion and Permeability in the Body. Advances in Magnetic Resonance Technology and Applications, 2020, , 427-454.	0.0	0
1405	Applications of Quantitative Perfusion and Permeability in the Brain. Advances in Magnetic Resonance Technology and Applications, 2020, 1, 369-403.	0.0	O
1406	Cerebral blood flow characteristics following hemodialysis initiation in older adults: A prospective longitudinal pilot study using arterial spin labeling imaging. NeuroImage: Clinical, 2020, 28, 102434.	1.4	7
1408	Improving Sensitivity of Arterial Spin Labeling Perfusion <scp>MRI</scp> in Alzheimer's Disease Using Transfer Learning of Deep Learningâ€Based <scp>ASL</scp> Denoising. Journal of Magnetic Resonance Imaging, 2022, 55, 1710-1722.	1.9	13
1409	Reliability of arterial spin labeling derived cerebral blood flow in periventricular white matter. NeuroImage Reports, 2021, 1, 100063.	0.5	9
1411	MR Methods to Measure Cerebral Perfusion. , 2005, , 83-91.		O
1412	Functional MRI in Ischaemia., 2006,, 73-82.		0
1413	Magnetic Resonance Imaging for Radiotherapy Planning. , 2006, , 99-111.		4
1414	3.0 T Imaging of Ischaemic Stroke. , 2006, , 177-185.		0
1415	3.0 T Perfusion Studies. , 2006, , 91-106.		O
1418	Neuroimaging in Psychiatry., 2008,, 695-723.		0
1419	Animal Models in Functional Magnetic Resonance Imaging. , 2008, , 483-498.		0
1420	Brain, Head, and Neck. , 2008, , 169-533.		1
1421	Age-related Reductions of Cerebral Blood Flow and White Matter Integrity by High-Field Perfusion and Diffusion MRI. , 2007, , 1380-1383.		0
1422	Introduction to Presurgical Functional MRI., 2007,, 1-7.		2
1423	Perfusion Imaging using Arterial Spin Labeling (ASL). Japanese Journal of Magnetic Resonance in Medicine, 2020, 40, 149-168.	0.0	0

#	Article	IF	CITATIONS
1427	Quantification of Load Dependent Brain Activity in Parametric N-Back Working Memory Tasks using Pseudo-continuous Arterial Spin Labeling (pCASL) Perfusion Imaging. Journal of Cognitive Science, 2011, 12, 127-210.	0.2	9
1429	Comparison of [(15)O] H2O Positron Emission Tomography and Functional Magnetic Resonance Imaging in Activation Studies. World Journal of Nuclear Medicine, 2016, 15, 3-6.	0.3	8
1431	Carotid stent delivery in an XMR suite: immediate assessment of the physiologic impact of extracranial revascularization. American Journal of Neuroradiology, 2005, 26, 531-7.	1.2	19
1432	Dynamic contrast-enhanced T2-weighted MR imaging of recurrent malignant gliomas treated with thalidomide and carboplatin. American Journal of Neuroradiology, 2000, 21, 881-90.	1.2	101
1433	Dynamic spin labeling angiography in extracranial carotid artery stenosis. American Journal of Neuroradiology, 2005, 26, 1035-43.	1.2	23
1435	Optimization of 4D-MR angiography based on superselective pseudo-continuous arterial spin labeling combined with CENTRA-keyhole and view-sharing (4D-S-PACK) for vessel-selective visualization of the internal carotid artery and vertebrobasilar artery systems. Magnetic Resonance Imaging, 2022, 85, 287-296.	1.0	3
1436	Reliability and Sensitivity to Longitudinal <scp>CBF</scp> Changes in <scp>Stenoâ€Occlusive</scp> Diseases: <scp>ASL</scp> Versus <scp><sup>123</sup>lâ€IMPâ€SPECT</scp> . Journal of Magnetic Resonance Imaging, 2022, 55, 1723-1732.	1.9	10
1437	Advances in spiral fMRI: A high-resolution study with single-shot acquisition. Neurolmage, 2022, 246, 118738.	2.1	18
1438	Optimization of pseudoâ€continuous arterial spin labeling using offâ€resonance compensation strategies at 7T. Magnetic Resonance in Medicine, 2022, 87, 1720-1730.	1.9	3
1439	Spatial variation of perfusion MRI reflects cognitive decline in mild cognitive impairment and early dementia. Scientific Reports, 2021, 11, 23325.	1.6	10
1440	Recent progress in ASL outside the brain. Chinese Journal of Academic Radiology, 2021, 4, 220-228.	0.4	1
1441	Presurgical Functional MRI and Diffusion Tensor Imaging. Medical Radiology, 2022, , 1-20.	0.0	1
1442	Comparison of [150] H2O positron emission tomography and functional magnetic resonance imaging in activation studies. World Journal of Nuclear Medicine, 2016, 15, 3-6.	0.3	22
1443	Functional and Structural Brain Abnormalities in Schizophrenia: A Multimodal Meta-Analysis of Neuroimaging Studies. SSRN Electronic Journal, 0, , .	0.4	0
1444	Areas of cerebral blood flow changes on arterial spin labelling with the use of symmetric template during nitroglycerin triggered cluster headache attacks. NeuroImage: Clinical, 2022, 33, 102920.	1.4	1
1445	Deep-ASL enhancement technique in arterial spin labeling MRI – A novel approach for the error reduction of partial volume correction technique with linear regression algorithm. Journal of Computational Science, 2022, 58, 101546.	1.5	2
1446	k-space weighted image average (KWIA) for ASL-based dynamic MR angiography and perfusion imaging. Magnetic Resonance Imaging, 2022, 86, 94-106.	1.0	0
1447	Concurrent CBF and BOLD fMRI with dual-echo spiral simultaneous multi-slice acquisitions at 7T. Neurolmage, 2022, 247, 118820.	2.1	5

#	ARTICLE	IF	Citations
1448	VESPA ASL: VElocity and SPAtially Selective Arterial Spin Labeling. Magnetic Resonance in Medicine, 2022, , .	1.9	6
1449	Patch tensor decomposition and non-local means filter-based hybrid ASL image denoising. Journal of Neuroscience Methods, 2022, 370, 109488.	1.3	3
1451	Qualitative Assessment of Perfusion Maps Derived from Pulsed Arterial Spin Labeling Magnetic Resonance Imaging (PASL MRI) in Patients with Cognitive Disorders. Iranian Journal of Radiology, 2022, 19, .	0.1	0
1452	Dynamic MR imaging of cerebral perfusion during bicycling exercise. NeuroImage, 2022, 250, 118961.	2.1	2
1453	Cortical layer-specific differences in stimulus selectivity revealed with high-field fMRI and single-vessel resolution optical imaging of the primary visual cortex. Neurolmage, 2022, 251, 118978.	2.1	9
1454	Robust Multi-TE ASL-Based Blood–Brain Barrier Integrity Measurements. Frontiers in Neuroscience, 2021, 15, 719676.	1.4	14
1455	Simultaneously Acquired MRI Arterial Spin-Labeling and Interictal FDG-PET Improves Diagnosis of Pediatric Temporal Lobe Epilepsy. American Journal of Neuroradiology, 2022, 43, 468-473.	1.2	9
1456	<scp>Timeâ€Resolved Noncontrast</scp> Magnetic Resonance Perfusion Imaging of Paraspinal Muscles. Journal of Magnetic Resonance Imaging, 2022, , .	1.9	0
1457	Mapping oxidative metabolism in the human brain with calibrated fMRI in health and disease. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 1139-1162.	2.4	9
1458	Feasibility of intravoxel incoherent motion in the assessment of tumor microvasculature and blood–brain barrier integrity: a case-based evaluation of gliomas. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 17-27.	1.1	2
1459	Effects of red blood cells with reduced deformability on cerebral blood flow and vascular water transport: measurements in rats using time-resolved pulsed arterial spin labelling at 9.4 T. European Radiology Experimental, 2021, 5, 53.	1.7	0
1460	Intensity of arterial structure acquired by Silent MRA estimates cerebral blood flow. Insights Into Imaging, 2021, 12, 185.	1.6	0
1461	Editorial for "Reliability and Sensitivity to Longitudinal <scp>CBF</scp> Changes in <scp>Stenoâ€Occlusive</scp> Diseases: <scp>ASL</scp> versus <scp><sup>123</sup>lâ€IMPâ€6PECT</scp> †Journal of Magnetic Resonance Imaging, 2022, 55, 1733-1734.	1.9	1
1462	A Case of Cerebellar Cognitive Affective Syndromeï¼^CCAS)with Aphasia due to Cerebellar Infarction Detected Using Arterial Spin Labeling ï¼^ASL)MRI. The Japanese Journal of Rehabilitation Medicine, 2022, , .	0.0	0
1463	Contrastâ€agentâ€free stateâ€ofâ€theâ€art MRI on cerebral small vessel disease—part 1. ASL, IVIM, and CVR. N in Biomedicine, 2022, 35, e4742.	MR.	6
1467	Multidelay ASL of the pediatric brain. British Journal of Radiology, 2022, 95, 20220034.	1.0	9
1468	Application of magnetic resonance imaging to study pathophysiology in brain disease models. Methods in Molecular Medicine, 2006, 124, 251-78.	0.8	6
1470	The Utility of Arterial Transit Time Measurement for Evaluating the Hemodynamic Perfusion State of Patients with Chronic Cerebrovascular Stenosis or Occlusive Disease: Correlative Study between MR Imaging and <sup>15</sup> 0-labeled H <sub>2</sub> 0 Positron Emission Tomography, Magnetic Resonance in Medical Sciences, 2022	1.1	4

#	Article	IF	CITATIONS
1471	Imaging of the pial arterial vasculature of the human brain in vivo using high-resolution 7T time-of-flight angiography. ELife, 2022, $11$ , .	2.8	22
1472	Estimations of the weather effects on brain functions using functional <scp>MRI</scp> : A cautionary note. Human Brain Mapping, 2022, , .	1.9	8
1473	Diagnostic Accuracy of Arterial Spin Labeling in Comparison With Dynamic Susceptibility Contrast-Enhanced Perfusion for Brain Tumor Surveillance at 3T MRI. Frontiers in Oncology, 0, 12, .	1.3	6
1476	Cerebral blood flow alterations specific to freezing of gait in Parkinson's disease. Neurological Sciences, 2022, 43, 5323-5331.	0.9	2
1477	ASLPrep: a platform for processing of arterial spin labeled MRI and quantification of regional brain perfusion. Nature Methods, 2022, 19, 683-686.	9.0	13
1478	Report on the ISMRM-ESMRMB 2022 hot topic debate on the future of gadolinium as a contrast agent. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 707-710.	1.1	2
1480	Synthetic Arterial Spin Labeling MRI of the Kidneys for Evaluation of Data Processing Pipeline. Diagnostics, 2022, 12, 1854.	1.3	2
1481	Whole-brain perfusion mapping in mice by dynamic BOLD MRI with transient hypoxia. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 2270-2286.	2.4	7
1482	Customized whole brain-covering 3D GRASE in multi-delay pseudo-continuous arterial spin labeling for duplex distinct hemodynamic mapping contrasts of brain tissues and circulation pathways. Physics in Medicine and Biology, 2022, 67, 175004.	1.6	0
1483	Recent Technical Developments in ASL: A Review of the State of the Art. Magnetic Resonance in Medicine, 2022, 88, 2021-2042.	1.9	29
1484	Cerebral blood flow and cardiovascular risk effects on resting brain regional homogeneity. Neurolmage, 2022, 262, 119555.	2.1	1
1485	Association of Cerebral Blood Flow With Longitudinal Changes in Cerebral Microstructural Integrity in the Coronary Artery Risk Development in Young Adults (CARDIA) Study. JAMA Network Open, 2022, 5, e2231189.	2.8	7
1486	Serial assessment of multimodality imaging in anti-leucine-rich glioma-inactivated 1 antibody encephalitis: A case report. ENeurologicalSci, 2022, 29, 100426.	0.5	4
1487	The presurgical evaluation of patients with drug-resistant epilepsy. Zhurnal Nevrologii I Psikhiatrii Imeni S S Korsakova, 2022, 122, 12.	0.1	0
1488	Inducing Paranoia is Linked to Increased Resting Amygdala Cerebral Blood Flow in Healthy Individuals. Journal of Experimental Psychopathology, 2022, 13, 204380872211306.	0.4	0
1490	Altered cerebral blood flow in patients with spinocerebellar degeneration. Frontiers in Neuroscience, 0, $16$ , .	1.4	1
1491	Estimation of Cerebral Blood Flow and Arterial Transit Time From Multiâ€Delay Arterial Spin Labeling <scp>MRI</scp> Using a Simulationâ€Based Supervised Deep Neural Network. Journal of Magnetic Resonance Imaging, 2023, 57, 1477-1489.	1.9	3
1492	Functional Imaging: Magnetic Resonance Imaging. , 2022, , 3323-3349.		0

#	Article	IF	CITATIONS
1493	Engineered Materials for Probing and Perturbing Brain Chemistry. , 2022, , 89-168.		1
1495	Effects of eyesâ€closed resting and eyesâ€open conditions on cerebral blood flow measurement using arterial spin labeling magnetic resonance imaging. Neurology and Clinical Neuroscience, 2023, 11, 10-16.	0.2	1
1496	Robust dualâ€module velocityâ€selective arterial spin labeling ( <scp>dmâ€VSASL</scp> ) with velocityâ€selective saturation and inversion. Magnetic Resonance in Medicine, 2023, 89, 1026-1040.	1.9	4
1497	Vigilant Attention, Cerebral Blood Flow and Grey Matter Volume Change after 36 h of Acute Sleep Deprivation in Healthy Male Adults: A Pilot Study. Brain Sciences, 2022, 12, 1534.	1.1	3
1498	Apathy in depression: An arterial spin labeling perfusion MRI study. Journal of Psychiatric Research, 2023, 157, 7-16.	1.5	1
1499	Effects of alfaxalone, propofol and isoflurane on cerebral blood flow and cerebrovascular reactivity to carbon dioxide in dogs: A pilot study. Veterinary Journal, 2023, 291, 105939.	0.6	1
1500	Optimization of <scp>4D</scp> combined angiography and perfusion using radial imaging and arterial spin labeling. Magnetic Resonance in Medicine, 2023, 89, 1853-1870.	1.9	4
1501	Cerebral perfusion alterations in patients with trigeminal neuralgia as measured by pseudo-continuous arterial spin labeling. Frontiers in Neuroscience, 0, 16, .	1.4	1
1502	Measurements of cerebrospinal fluid production: a review of the limitations and advantages of current methodologies. Fluids and Barriers of the CNS, 2022, 19, .	2.4	12
1503	Arterial Spin Labeling Perfusion MRI Signal Processing Through Traditional Methods and Machine Learning. Investigative Magnetic Resonance Imaging, 2022, 26, 220.	0.2	4
1504	Arterial Spin Labelling-Based Blood-Brain Barrier Assessment and Its Applications. Investigative Magnetic Resonance Imaging, 2022, 26, 229.	0.2	3
1505	Evidence of cerebral hypoperfusion consecutive to ultrasoundâ€mediated bloodâ€brain barrier opening in rats. Magnetic Resonance in Medicine, 2023, 89, 2281-2294.	1.9	1
1506	Prediction of prognosis in patients with central pontine myelinolysis based on 3D-ASL: a case report. Neurological Sciences, 0, , .	0.9	0
1507	Arterial Spin Labeling in Migraine: A Review of Migraine Categories and Mimics. Journal of Central Nervous System Disease, 2023, 15, 117957352311600.	0.7	1
1508	EEG–fMRI in Animal Models. , 2022, , 663-694.		0
1509	Update on stateâ€ofâ€theâ€art for arterial spin labeling ( <scp>ASL</scp> ) human perfusion imaging outside of the brain. Magnetic Resonance in Medicine, 2023, 89, 1754-1776.	1.9	8
1510	Assessment of Arterial Transit Time and Cerebrovascular Reactivity in Moyamoya Disease by Simultaneous PET/MRI. Diagnostics, 2023, 13, 756.	1.3	1
1511	Multidelay Arterial Spin Labeling Versus Computed Tomography Perfusion in Penumbra Volume of Acute Ischemic Stroke. Stroke, 2023, 54, 1037-1045.	1.0	1

#	Article	IF	CITATIONS
1512	Hypo- and hyper-perfusion in MCI and AD identified by different ASL MRI sequences. Brain Imaging and Behavior, 2023, 17, 306-319.	1.1	2
1513	A multimodal meta-analysis of regional functional and structural brain abnormalities in obsessive–compulsive disorder. European Archives of Psychiatry and Clinical Neuroscience, 2024, 274, 165-180.	1.8	4
1514	Perfusion and <scp><i>T</i><sub>2</sub></scp> Relaxation Time as Predictors of Severity and Outcome in Sepsisâ€Associated Acute Kidney Injury: A Preclinical <scp>MRI</scp> Study. Journal of Magnetic Resonance Imaging, 2023, 58, 1954-1963.	1.9	3
1516	Principles of BOLD Functional MRI. , 2023, , 461-472.		1
1519	Physical Principles of Non-gadolinium Perfusion Technique (Arterial Spin Labeling)., 2023,, 35-46.		0
1520	Challenges in fMRI and Its Limitations. , 2023, , 497-510.		1
1521	Technology Initiatives in the Human Locomotor System. , 2023, , 199-260.		0
1522	Multimodal methods to help interpret resting-state fMRI. , 2023, , 207-235.		1
1527	Arterial spin labeling MRI. Advances in Magnetic Resonance Technology and Applications, 2023, , 77-107.	0.0	0
1531	Motion compensation strategies. Advances in Magnetic Resonance Technology and Applications, 2023, , 197-209.	0.0	0
1532	Perfusion MRI in the heart: Arterial spin labeling. Advances in Magnetic Resonance Technology and Applications, 2023, , 337-366.	0.0	0
1548	Arterial Spin Labeled MRI for Quantitative Non-Contrast Perfusion Measurement of the Kidneys., 2023, , 299-315.		O