

Xavier Golay

List of Publications by Year in descending order

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Version: 2024-02-01

217
papers

13,907
citations

28736

57
h-index

26792

111
g-index

229
all docs

229
docs citations

229
times ranked

15664
citing authors

#	ARTICLE	IF	CITATIONS
1	Planning of gamma knife radiosurgery (GKR) for brain arteriovenous malformations using triple magnetic resonance angiography (triple-MRA). <i>British Journal of Neurosurgery</i> , 2022, 36, 217-227.	0.4	3
2	Hypothermia is not therapeutic in a neonatal piglet model of inflammation-sensitized hypoxia-induced ischemia. <i>Pediatric Research</i> , 2022, 91, 1416-1427.	1.1	9
3	Development, validation, qualification, and dissemination of quantitative MR methods: Overview and recommendations by the ISMRM quantitative MR study group. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1184-1206.	1.9	21
4	Repeatability of perfusion measurements in adult gliomas using pulsed and pseudo-continuous arterial spin labelling MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, 35, 113-125.	1.1	0
5	CEST MRI provides amide/amine surrogate biomarkers for treatment-naïve glioma sub-typing. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 2377-2391.	3.3	12
6	What do we know about dynamic glucose-enhanced (DGE) MRI and how close is it to the clinics? Horizon 2020 GLINT consortium report. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, 35, 87-104.	1.1	7
7	GLINT: GlucoCEST in neoplastic tumors at 3T—clinical results of GlucoCEST in gliomas. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, 35, 77-85.	1.1	6
8	Efficacy of melatonin in term neonatal models of perinatal hypoxia-induced ischaemia. <i>Annals of Clinical and Translational Neurology</i> , 2022, 9, 795-809.	1.7	5
9	Multidelay ASL of the pediatric brain. <i>British Journal of Radiology</i> , 2022, 95, 20220034.	1.0	9
10	Neurogenesis Is Reduced at 48 h in the Subventricular Zone Independent of Cell Death in a Piglet Model of Perinatal Hypoxia-Ischemia. <i>Frontiers in Pediatrics</i> , 2022, 10, 793189.	0.9	6
11	MRI and pathology correlations in the medulla in sudden unexpected death in epilepsy (SUDEP): a postmortem study. <i>Neuropathology and Applied Neurobiology</i> , 2021, 47, 157-170.	1.8	20
12	Serial blood cytokine and chemokine mRNA and microRNA over 48 h are insult specific in a piglet model of inflammation-sensitized hypoxia-induced ischaemia. <i>Pediatric Research</i> , 2021, 89, 464-475.	1.1	4
13	Human umbilical cord mesenchymal stromal cells as an adjunct therapy with therapeutic hypothermia in a piglet model of perinatal asphyxia. <i>Cytotherapy</i> , 2021, 23, 521-535.	0.3	16
14	Are Dynamic Arterial Spin-Labeling MRA and Time-Resolved Contrast-Enhanced MRA Suited for Confirmation of Obliteration following Gamma Knife Radiosurgery of Brain Arteriovenous Malformations?. <i>American Journal of Neuroradiology</i> , 2021, 42, 671-678.	1.2	11
15	Melatonin for Neonatal Encephalopathy: From Bench to Bedside. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5481.	1.8	5
16	Convergent and Discriminant Validity of Default Mode Network and Limbic Network Perfusion in Amnesic Mild Cognitive Impairment Patients. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 1797-1808.	1.2	4
17	Partial volume correction in arterial spin labeling perfusion MRI: A method to disentangle anatomy from physiology or an analysis step too far?. <i>NeuroImage</i> , 2021, 238, 118236.	2.1	33
18	Incorporating radiomics into clinical trials: expert consensus endorsed by the European Society of Radiology on considerations for data-driven compared to biologically driven quantitative biomarkers. <i>European Radiology</i> , 2021, 31, 6001-6012.	2.3	53

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19	Melatonin and/or erythropoietin combined with hypothermia in a piglet model of perinatal asphyxia. <i>Brain Communications</i> , 2021, 3, fcaa211.	1.5	19
20	Technical recommendations for clinical translation of renal MRI: a consensus project of the Cooperation in Science and Technology Action PARENCHIMA. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020, 33, 131-140.	1.1	44
21	Consensus-based technical recommendations for clinical translation of renal ASL MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020, 33, 141-161.	1.1	80
22	Pulse sequences for measuring exchange rates between proton species: From unlocalised NMR spectroscopy to chemical exchange saturation transfer imaging. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2020, 120-121, 25-71.	3.9	7
23	Sodium in the Relapsing/Remitting Multiple Sclerosis Spinal Cord: Increased Concentrations and Associations With Microstructural Tissue Anisotropy. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 1429-1438.	1.9	8
24	Proton Magnetic Resonance Spectroscopy Lactate/N-Acetylaspartate Within 48 h Predicts Cell Death Following Varied Neuroprotective Interventions in a Piglet Model of Hypoxia/Ischemia With and Without Inflammation-Sensitization. <i>Frontiers in Neurology</i> , 2020, 11, 883.	1.1	18
25	Endogenous Chemical Exchange Saturation Transfer MRI for the Diagnosis and Therapy Response Assessment of Brain Tumors: A Systematic Review. <i>Radiology Imaging Cancer</i> , 2020, 2, e190036.	0.7	9
26	ExploreASL: An image processing pipeline for multi-center ASL perfusion MRI studies. <i>NeuroImage</i> , 2020, 219, 117031.	2.1	80
27	High-Dose Melatonin and Ethanol Excipient Combined with Therapeutic Hypothermia in a Newborn Piglet Asphyxia Model. <i>Scientific Reports</i> , 2020, 10, 3898.	1.6	30
28	Translating pH-sensitive PROgressive saturation for QUantifying Exchange rates using Saturation Times (PROQUEST) MRI to a 3T clinical scanner. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1734-1746.	1.9	1
29	Nimodipine Reduces Dysfunction and Demyelination in Models of Multiple Sclerosis. <i>Annals of Neurology</i> , 2020, 88, 123-136.	2.8	19
30	Proton magnetic resonance spectroscopy lactate/N-acetylaspartate within 2 weeks of birth accurately predicts 2-year motor, cognitive and language outcomes in neonatal encephalopathy after therapeutic hypothermia. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2019, 104, fetalneonatal-2018-315478.	1.4	39
31	Brain Perfusion, Regional Volumes, and Cognitive Function in Human Immunodeficiency Virus-positive Patients Treated With Protease Inhibitor Monotherapy. <i>Clinical Infectious Diseases</i> , 2019, 68, 1031-1040.	2.9	3
32	Diagnostic accuracy of dynamic contrast-enhanced perfusion MRI in stratifying gliomas: A systematic review and meta-analysis. <i>Cancer Medicine</i> , 2019, 8, 5564-5573.	1.3	27
33	Cover Image, Volume 32, Issue 9. <i>NMR in Biomedicine</i> , 2019, 32, e3984.	1.6	4
34	Acute LPS sensitization and continuous infusion exacerbates hypoxic brain injury in a piglet model of neonatal encephalopathy. <i>Scientific Reports</i> , 2019, 9, 10184.	1.6	36
35	Quantification of hydroxyl exchange of D-Glucose at physiological conditions for optimization of glucoCEST MRI at 3, 7 and 9.4 Tesla. <i>NMR in Biomedicine</i> , 2019, 32, e4113.	1.6	49
36	Effect of Liposomal Encapsulation on the Chemical Exchange Properties of Diamagnetic CEST Agents. <i>Journal of Physical Chemistry B</i> , 2019, 123, 7545-7557.	1.2	6

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37	Validated imaging biomarkers as decision-making tools in clinical trials and routine practice: current status and recommendations from the EIBALL* subcommittee of the European Society of Radiology (ESR). <i>Insights Into Imaging</i> , 2019, 10, 87.	1.6	61
38	Short-term effects of early initiation of magnesium infusion combined with cooling after hypoxia-induced ischemia in term piglets. <i>Pediatric Research</i> , 2019, 86, 699-708.	1.1	19
39	Magnetic Resonance Imaging of Cerebral Small Vessel Disease in Men Living with HIV and HIV-Negative Men Aged 50 and Above. <i>AIDS Research and Human Retroviruses</i> , 2019, 35, 453-460.	0.5	13
40	Assessment of a clinically feasible Bayesian fitting algorithm using a simplified description of Chemical Exchange Saturation Transfer (CEST) imaging. <i>Journal of Magnetic Resonance</i> , 2019, 300, 120-134.	1.2	7
41	Cortical grey matter sodium accumulation is associated with disability and secondary progressive disease course in relapse-onset multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, 755-760.	0.9	24
42	Effect of labelling plane angulation and position on labelling efficiency and cerebral blood flow quantification in pseudo-continuous arterial spin labelling. <i>Magnetic Resonance Imaging</i> , 2019, 59, 61-67.	1.0	3
43	Optimization and repeatability of multipool chemical exchange saturation transfer MRI of the prostate at 3.0T. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 1238-1250.	1.9	14
44	Challenges in glucoCEST MR body imaging at 3 Tesla. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1628-1640.	1.1	21
45	Possible artifacts in dynamic CEST MRI due to motion and field alterations. <i>Journal of Magnetic Resonance</i> , 2019, 298, 16-22.	1.2	41
46	Melatonin as an adjunct to therapeutic hypothermia in a piglet model of neonatal encephalopathy: A translational study. <i>Neurobiology of Disease</i> , 2019, 121, 240-251.	2.1	47
47	The value of arterial spin labelling in adults glioma grading: systematic review and meta-analysis. <i>Oncotarget</i> , 2019, 10, 1589-1601.	0.8	20
48	PROQUEST: a rapid assessment method based on progressive saturation for quantifying exchange rates using saturation times in CEST. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1638-1654.	1.9	9
49	Biexponential ^{23}Na T_2^* component analysis in the human brain. <i>NMR in Biomedicine</i> , 2018, 31, e3899.	1.6	13
50	Increased resting cerebral blood flow in adult Fabry disease. <i>Neurology</i> , 2018, 90, e1379-e1385.	1.5	19
51	Comparison of arterial spin labeling registration strategies in the multicenter GENetic frontotemporal dementia initiative (GENFI). <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 131-140.	1.9	41
52	QUESP and QUEST revisited - fast and accurate quantitative CEST experiments. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1708-1721.	1.9	82
53	A31...The development of translational biomarkers of neuroinflammation in a mouse model of huntington's disease. , 2018, , .		0
54	Challenges and Perspectives of Quantitative Functional Sodium Imaging (fNaI). <i>Frontiers in Neuroscience</i> , 2018, 12, 810.	1.4	10

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55	Author response: Increased resting cerebral blood flow in adult Fabry disease: MRI arterial spin labeling study. <i>Neurology</i> , 2018, 91, 1072-1072.	1.5	0
56	Non-invasive imaging of disrupted protein homeostasis induced by proteasome inhibitor treatment using chemical exchange saturation transfer MRI. <i>Scientific Reports</i> , 2018, 8, 15068.	1.6	0
57	Systematic review and meta-analysis: arterial spin labelling (ASL) efficiency in grading of adults glioma. <i>Neuro-Oncology</i> , 2018, 20, v360-v360.	0.6	0
58	Overview and Critical Appraisal of Arterial Spin Labelling Technique in Brain Perfusion Imaging. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-15.	0.4	25
59	RADI-06. CORRELATION BETWEEN APT-CEST AND 18F-CHOLINE PET IN GLIOMA AT 3T. <i>Neuro-Oncology</i> , 2018, 20, i170-i171.	0.6	1
60	Magnetic resonance imaging biomarkers for chronic kidney disease: a position paper from the European Cooperation in Science and Technology Action PARENCHIMA. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, ii4-ii14.	0.4	91
61	Dexmedetomidine Combined with Therapeutic Hypothermia Is Associated with Cardiovascular Instability and Neurotoxicity in a Piglet Model of Perinatal Asphyxia. <i>Developmental Neuroscience</i> , 2017, 39, 156-170.	1.0	23
62	The long and winding road to translation for imaging biomarker development: the case for arterial spin labelling (ASL). <i>European Radiology Experimental</i> , 2017, 1, 3.	1.7	4
63	Systemic pro-inflammatory cytokine status following therapeutic hypothermia in a piglet hypoxia-ischemia model. <i>Journal of Neuroinflammation</i> , 2017, 14, 44.	3.1	37
64	Chapter 17 GlucoCEST: Imaging Glucose in Tumors. , 2017, , 399-426.		0
65	Neurocognitive Function and Neuroimaging Markers in Virologically Suppressed HIV-positive Patients Randomized to Ritonavir-boosted Protease Inhibitor Monotherapy or Standard Combination ART: A Cross-sectional Substudy From the PIVOT Trial. <i>Clinical Infectious Diseases</i> , 2016, 63, 257-264.	2.9	20
66	Cause and prevention of demyelination in a model multiple sclerosis lesion. <i>Annals of Neurology</i> , 2016, 79, 591-604.	2.8	66
67	Arterial Spin Labeling Perfusion of the Brain: Emerging Clinical Applications. <i>Radiology</i> , 2016, 281, 337-356.	3.6	360
68	A novel use of arterial spin labelling MRI to demonstrate focal hypoperfusion in individuals with posterior cortical atrophy: a multimodal imaging study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 1032-1034.	0.9	9
69	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. <i>NeuroImage: Clinical</i> , 2016, 11, 648-657.	1.4	67
70	Inhaled 45% argon augments hypothermic brain protection in a piglet model of perinatal asphyxia. <i>Neurobiology of Disease</i> , 2016, 87, 29-38.	2.1	52
71	Immediate remote ischemic postconditioning after hypoxia ischemia in piglets protects cerebral white matter but not grey matter. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1396-1411.	2.4	24
72	Cerebral blood flow measurements in infants using look-locker arterial spin labeling. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 1591-1600.	1.9	25

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73	Estimation of arterial arrival time and cerebral blood flow from QUASAR arterial spin labeling using stable spline. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1758-1767.	1.9	2
74	Recommended implementation of arterial spin-labeled perfusion MRI for clinical applications: A consensus of the ISMRM perfusion study group and the European consortium for ASL in dementia. <i>Magnetic Resonance in Medicine</i> , 2015, 73, spcone.	1.9	19
75	Recommended implementation of arterial spin-labeled perfusion MRI for clinical applications: A consensus of the ISMRM perfusion study group and the European consortium for ASL in dementia. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 102-116.	1.9	1,663
76	In vivo imaging of tau pathology using multi-parametric quantitative MRI. <i>NeuroImage</i> , 2015, 111, 369-378.	2.1	77
77	Arterial Spin-Labeling Parameters Influence Signal Variability and Estimated Regional Relative Cerebral Blood Flow in Normal Aging and Mild Cognitive Impairment: FAIR versus PICORE Techniques. <i>American Journal of Neuroradiology</i> , 2015, 36, 1231-1236.	1.2	7
78	Multi-vendor reliability of arterial spin labeling perfusion MRI using a near-identical sequence: Implications for multi-center studies. <i>NeuroImage</i> , 2015, 113, 143-152.	2.1	72
79	A neuroradiologist's guide to arterial spin labeling MRI in clinical practice. <i>Neuroradiology</i> , 2015, 57, 1181-1202.	1.1	216
80	Brain Cell Death Is Reduced With Cooling by 3.5°C to 5°C but Increased With Cooling by 8.5°C in a Piglet Asphyxia Model. <i>Stroke</i> , 2015, 46, 275-278.	1.0	82
81	Alternative Methods for fMRI. <i>Biological Magnetic Resonance</i> , 2015, , 271-309.	0.4	0
82	Cerebral Arterial Bolus Arrival Time is Prolonged in Multiple Sclerosis and Associated with Disability. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 34-42.	2.4	60
83	Transient Lesion in the Splenium of the Corpus Callosum in Acute Uncomplicated Falciparum Malaria. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014, 90, 1117-1123.	0.6	8
84	Auditory tracts identified with combined fMRI and diffusion tractography. <i>NeuroImage</i> , 2014, 84, 562-574.	2.1	62
85	Sodium (²³ Na) ultra-short echo time imaging in the human brain using a 3D-Cones trajectory. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2014, 27, 35-46.	1.1	31
86	Brain mitochondrial oxidative metabolism during and after cerebral hypoxia-ischemia studied by simultaneous phosphorus magnetic-resonance and broadband near-infrared spectroscopy. <i>NeuroImage</i> , 2014, 102, 173-183.	2.1	70
87	Pathogenesis of multiple sclerosis: insights from molecular and metabolic imaging. <i>Lancet Neurology</i> , The, 2014, 13, 807-822.	4.9	197
88	Optimum therapeutic hypothermia temperature after perinatal asphyxia: a magnetic resonance spectroscopy biomarker and immunohistochemistry study in the newborn piglet. <i>Lancet</i> , The, 2014, 383, S54.	6.3	0
89	P1-286: STRATIFICATION OF DEMENTIA SUB-TYPES USING ARTERIAL SPIN LABELED MRI. , 2014, 10, P414-P415.		1
90	Simulating NIRS and MRS Measurements During Cerebral Hypoxia-Ischaemia in Piglets Using a Computational Model. <i>Advances in Experimental Medicine and Biology</i> , 2014, 812, 187-194.	0.8	2

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91	Comparing model-based and model-free analysis methods for QUASAR arterial spin labeling perfusion quantification. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1466-1475.	1.9	17
92	Comparison of Three Hypothermic Target Temperatures for the Treatment of Hypoxic Ischemia: mRNA Level Responses of Eight Genes in the Piglet Brain. <i>Translational Stroke Research</i> , 2013, 4, 248-257.	2.3	6
93	Modelling Blood Flow and Metabolism in the Piglet Brain During Hypoxia-Ischaemia: Simulating Brain Energetics. <i>Advances in Experimental Medicine and Biology</i> , 2013, 789, 339-344.	0.8	3
94	Gastrointestinal transit measurements in mice with ^{99m} Tc-DTPA-labeled activated charcoal using NanoSPECT-CT. <i>EJNMMI Research</i> , 2013, 3, 60.	1.1	137
95	Cerebral perfusion alterations in epileptic patients during peri-ictal and post-ictal phase: PASL vs DSC-MRI. <i>Magnetic Resonance Imaging</i> , 2013, 31, 1001-1005.	1.0	62
96	Melatonin augments hypothermic neuroprotection in a perinatal asphyxia model. <i>Brain</i> , 2013, 136, 90-105.	3.7	222
97	Imaging Brain Deoxyglucose Uptake and Metabolism by Glucocest MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1270-1278.	2.4	150
98	In vivo imaging of glucose uptake and metabolism in tumors. <i>Nature Medicine</i> , 2013, 19, 1067-1072.	15.2	427
99	SODIUM ACCLIMULATION IS ASSOCIATED WITH DISABILITY AND PROGRESSION IN MULTIPLE SCLEROSIS: A 23NA MRI STUDY. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, e2.144-e2.	0.9	3
100	LOBAR DISTRIBUTION OF CORTICAL GREY MATTER LESIONS IN MULTIPLE SCLEROSIS CLINICAL SUBGROUPS. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, e2.99-e2.	0.9	3
101	MS Cortical Lesions on DIR: Not Quite What They Seem?. <i>PLoS ONE</i> , 2013, 8, e78879.	1.1	43
102	Sodium accumulation is associated with disability and a progressive course in multiple sclerosis. <i>Brain</i> , 2013, 136, 2305-2317.	3.7	110
103	Arterial spin labeling-MRI: acquisition and analysis techniques. , 2013, , 38-57.		3
104	MR perfusion imaging in oncology: neuro applications. , 2013, , 204-237.		2
105	Imaging of flow: basic principles. , 2013, , 1-15.		1
106	Sodium quantification in the spinal cord at 3T. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1201-1208.	1.9	16
107	Imaging of brain oxygenation. , 2013, , 75-88.		2
108	Dynamic susceptibility contrast MRI: acquisition and analysis techniques. , 2013, , 16-37.		3

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109	DCE-MRI: acquisition and analysis techniques. , 2013, , 58-74.		15
110	Modelling Blood Flow and Metabolism in the Piglet Brain During Hypoxia-Ischaemia: Simulating pH Changes. <i>Advances in Experimental Medicine and Biology</i> , 2013, 789, 331-337.	0.8	4
111	Systemic effects of whole-body cooling to 35°C, 33.5°C, and 30°C in a piglet model of perinatal asphyxia: implications for therapeutic hypothermia. <i>Pediatric Research</i> , 2012, 71, 573-582.	1.1	28
112	Quantitative Assessment of Cerebral Hemodynamic Parameters by QUASAR Arterial Spin Labeling in Alzheimer's Disease and Cognitively Normal Elderly Adults at 3-Tesla. <i>Journal of Alzheimer's Disease</i> , 2012, 31, 33-44.	1.2	76
113	Improved detection of cortical MS lesions with phase-sensitive inversion recovery MRI. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012, 83, 877-882.	0.9	132
114	Reduced R_2^* in multiple sclerosis normal appearing white matter and lesions may reflect decreased myelin and iron content. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012, 83, 785-792.	0.9	39
115	Vascular Disorders: Insights from Arterial Spin Labeling. <i>Neuroimaging Clinics of North America</i> , 2012, 22, 259-269.	0.5	48
116	Post-mortem cerebral magnetic resonance imaging T1 and T2 in fetuses, newborns and infants. <i>European Journal of Radiology</i> , 2012, 81, e232-e238.	1.2	29
117	Gray matter nulled and vascular space occupancy dependent fMRI response to visual stimulation during hypoxic hypoxia. <i>NeuroImage</i> , 2012, 59, 3450-3456.	2.1	7
118	Magnetisation transfer effects of Q2TIPS pulses in ASL. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 113-126.	1.1	6
119	Repeatability of renal arterial spin labelling MRI in healthy subjects. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 145-153.	1.1	45
120	Arterial spin labelling: final steps to make it a clinical reality. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 79-82.	1.1	28
121	Correcting radiofrequency inhomogeneity effects in skeletal muscle magnetisation transfer maps. <i>NMR in Biomedicine</i> , 2012, 25, 262-270.	1.6	13
122	Extracranial measurements of amide proton transfer using exchange-modulated point-resolved spectroscopy (EXPRESS). <i>NMR in Biomedicine</i> , 2012, 25, 829-834.	1.6	5
123	Cerebral Artery Dilatation Maintains Cerebral Oxygenation at Extreme Altitude and in Acute Hypoxia—An Ultrasound and MRI Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 2019-2029.	2.4	187
124	Combined Proton Magnetic Resonance Spectroscopy and Near-Infrared Spectroscopy Measurements of Cerebral Blood Volume, Oxygenation, Cytochrome Oxidase, and Intracellular Metabolites During Perinatal Hypoxia-Ischaemia. <i>Pediatric Research</i> , 2011, 70, 114-114.	1.1	0
125	Systemic Effects of Whole-Body Cooling to 35, 33 and 30°C in a Piglet Model of Perinatal Asphyxia. <i>Pediatric Research</i> , 2011, 70, 661-661.	1.1	0
126	Similarities and Differences in Arterial Responses to Hypercapnia and Visual Stimulation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 560-571.	2.4	29

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127	Energy failure in multiple sclerosis and its investigation using MR techniques. <i>Journal of Neurology</i> , 2011, 258, 2113-2127.	1.8	61
128	Simultaneous T_2 and lipid quantitation using IDEAL-CPMG. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 1293-1302.	1.9	45
129	A method for rapid <i>in vivo</i> measurement of blood T_1 . <i>NMR in Biomedicine</i> , 2011, 24, 80-88.	1.6	75
130	Development of Intravascular Contrast Agents for MRI Using Gadolinium Chelates. <i>ChemMedChem</i> , 2011, 6, 781-787.	1.6	9
131	High-sensitivity cerebral perfusion mapping in mice by kGRASE-FAIR at 9.4 T. <i>NMR in Biomedicine</i> , 2010, 23, 1061-1070.	1.6	17
132	PROPELLER for motion-robust imaging of <i>in vivo</i> mouse abdomen at 9.4 T. <i>NMR in Biomedicine</i> , 2010, 23, 1077-1086.	1.6	5
133	Quantitative magnetization transfer in <i>in vivo</i> healthy human skeletal muscle at 3 T. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1739-1748.	1.9	57
134	IQ-Related fMRI Differences during Cognitive Set Shifting. <i>Cerebral Cortex</i> , 2010, 20, 641-649.	1.6	42
135	Distribution of Cerebral Blood Flow in the Nucleus Caudatus, Nucleus Lentiformis, and Thalamus: A Study of Territorial Arterial Spin-labeling MR Imaging. <i>Radiology</i> , 2010, 254, 867-875.	3.6	25
136	Measuring arterial and tissue responses to functional challenges using arterial spin labeling. <i>NeuroImage</i> , 2010, 49, 478-487.	2.1	15
137	The QUASAR reproducibility study, Part II: Results from a multi-center Arterial Spin Labeling test-retest study. <i>NeuroImage</i> , 2010, 49, 104-113.	2.1	223
138	fMRI evidence for multisensory recruitment associated with rapid eye movements during sleep. <i>Human Brain Mapping</i> , 2009, 30, 1705-1722.	1.9	95
139	Quantitative magnetization transfer characteristics of the human cervical spinal cord <i>in vivo</i> : Application to Adrenomyeloneuropathy. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 22-27.	1.9	48
140	A Functional Magnetic Resonance Imaging Technique Based on Nulling Extravascular Gray Matter Signal. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 144-156.	2.4	15
141	Relation Between Cerebral Perfusion Territories and Location of Cerebral Infarcts. <i>Stroke</i> , 2009, 40, 1617-1622.	1.0	37
142	Residual neurovascular function and retinotopy in a case of hemianopia. <i>Annals of the Academy of Medicine, Singapore</i> , 2009, 38, 827-31.	0.2	5
143	The BOLD response and vascular reactivity during visual stimulation in the presence of hypoxic hypoxia. <i>NeuroImage</i> , 2008, 41, 179-188.	2.1	14
144	Territorial Arterial Spin Labeling in the Assessment of Collateral Circulation. <i>Stroke</i> , 2008, 39, 3248-3254.	1.0	98

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145	Cerebral Border Zones between Distal End Branches of Intracranial Arteries: MR Imaging. Radiology, 2008, 246, 572-580.	3.6	83
146	Arterial Spin Labeling: a One-stop-shop for Measurement of Brain Perfusion in the Clinical Settings. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4320-3.	0.5	4
147	Visualization of maturation of the corpus callosum during childhood and adolescence using T2 relaxometry. International Journal of Developmental Neuroscience, 2007, 25, 409-414.	0.7	16
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