# Danny J J Wang

List of Publications by Year
in descending order

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|---|---|---|---|
| 185 papers | 8,211 citations | 53794<br>45 h-index | 62596<br>80 g-index |
| 196 all docs | 196 docs citations | 196 times ranked | 10292 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | 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. Magnetic Resonance in Medicine, 2015, 73, 102-116. | 3.0 | 1,663 |
| 2 | Vascular dysfunction—The disregarded partner of Alzheimer's disease. Alzheimer's and Dementia, 2019, 15, 158-167. | 0.8 | 454 |
| 3 | Applications of arterial spin labeled MRI in the brain. Journal of Magnetic Resonance Imaging, 2012, 35, 1026-1037. | 3.4 | 272 |
| 4 | Test–retest reliability of arterial spin labeling with common labeling strategies. Journal of Magnetic Resonance Imaging, 2011, 33, 940-949. | 3.4 | 214 |
| 5 | Multi-delay multi-parametric arterial spin-labeled perfusion MRI in acute ischemic stroke — Comparison with dynamic susceptibility contrast enhanced perfusion imaging. NeuroImage: Clinical, 2013, 3, 1-7. | 2.7 | 180 |
| 6 | The Value of Arterial Spin-Labeled Perfusion Imaging in Acute Ischemic Stroke. Stroke, 2012, 43, 1018-1024. | 2.0 | 151 |
| 7 | Default Mode Network Complexity and Cognitive Decline in Mild Alzheimer's Disease. Frontiers in Neuroscience, 2018, 12, 770. | 2.8 | 103 |
| 8 | Functional connectivity in BOLD and CBF data: Similarity and reliability of resting brain networks. NeuroImage, 2015, 106, 111-122. | 4.2 | 102 |
| 9 | Postischemic Hyperperfusion on Arterial Spin Labeled Perfusion MRI is Linked to Hemorrhagic Transformation in Stroke. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 630-637. | 4.3 | 98 |
| 10 | Massively parallel functional photoacoustic computed tomography of the human brain. Nature Biomedical Engineering, 2022, 6, 584-592. | 22.5 | 97 |
| 11 | Cerebral blood flow changes associated with different meditation practices and perceived depth of meditation. Psychiatry Research - Neuroimaging, 2011, 191, 60-67. | 1.8 | 96 |
| 12 | Multi-delay arterial spin labeling perfusion MRI in moyamoya disease–comparison with CT perfusion imaging. European Radiology, 2014, 24, 1135-1144. | 4.5 | 93 |
| 13 | Reliability of two–dimensional and three–dimensional pseudo–continuous arterial spin labeling perfusion MRI in elderly populations: Comparison with 15o–water positron emission tomography. Journal of Magnetic Resonance Imaging, 2014, 39, 931-939. | 3.4 | 93 |
| 14 | Potentials and Challenges for Arterial Spin Labeling in Pharmacological Magnetic Resonance Imaging. Journal of Pharmacology and Experimental Therapeutics, 2011, 337, 359-366. | 2.5 | 91 |
| 15 | Neurophysiological Basis of Multi-Scale Entropy of Brain Complexity and Its Relationship With Functional Connectivity. Frontiers in Neuroscience, 2018, 12, 352. | 2.8 | 90 |
| 16 | Longitudinal Reproducibility and Accuracy of Pseudo-Continuous Arterial Spin–labeled Perfusion MR Imaging in Typically Developing Children. Radiology, 2012, 263, 527-536. | 7.3 | 86 |
| 17 | Quantitative characterization of nuclear overhauser enhancement and amide proton transfer effects in the human brain at 7 tesla. Magnetic Resonance in Medicine, 2013, 70, 1070-1081. | 3.0 | 85 |
| 18 | Brain arteriolosclerosis. Acta Neuropathologica, 2021, 141, 1-24. | 7.7 | 85 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Mapping water exchange across the blood–brain barrier using 3D diffusion‐prepared arterial spin labeled perfusion MRI. Magnetic Resonance in Medicine, 2019, 81, 3065-3079. | 3.0 | 80 |
| 20 | Consensus-based technical recommendations for clinical translation of renal ASL MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 141-161. | 2.0 | 80 |
| 21 | Altered resting perfusion and functional connectivity of default mode network in youth with autism spectrum disorder. Brain and Behavior, 2015, 5, e00358. | 2.2 | 77 |
| 22 | Characterizing Resting-State Brain Function Using Arterial Spin Labeling. Brain Connectivity, 2015, 5, 527-542. | 1.7 | 75 |
| 23 | Reduced regional cerebral blood flow in patients with heart failure. European Journal of Heart Failure, 2017, 19, 1294-1302. | 7.1 | 75 |
| 24 | Arterial spin labeling MRI is able to detect early hemodynamic changes in diabetic nephropathy. Journal of Magnetic Resonance Imaging, 2017, 46, 1810-1817. | 3.4 | 73 |
| 25 | Multi-vendor reliability of arterial spin labeling perfusion MRI using a near-identical sequence: Implications for multi-center studies. NeuroImage, 2015, 113, 143-152. | 4.2 | 72 |
| 26 | In vivo venous blood $T_1$ measurement using inversion recovery true‐FISP in children and adults. Magnetic Resonance in Medicine, 2010, 64, 1140-1147. | 3.0 | 69 |
| 27 | Unenhanced Dynamic MR Angiography: High Spatial and Temporal Resolution by Using True FISP–based Spin Tagging with Alternating Radiofrequency. Radiology, 2010, 256, 270-279. | 7.3 | 67 |
| 28 | A two‐stage approach for measuring vascular water exchange and arterial transit time by diffusion‐weighted perfusion MRI. Magnetic Resonance in Medicine, 2012, 67, 1275-1284. | 3.0 | 66 |
| 29 | Complexity and synchronicity of resting state blood oxygenation level-dependent (BOLD) functional MRI in normal aging and cognitive decline. Journal of Magnetic Resonance Imaging, 2013, 38, 36-45. | 3.4 | 66 |
| 30 | Reliability comparison of spontaneous brain activities between BOLD and CBF contrasts in eyes-open and eyes-closed resting states. NeuroImage, 2015, 121, 91-105. | 4.2 | 66 |
| 31 | Clinical 7 T MRI: Are we there yet? A review about magnetic resonance imaging at ultra-high field. British Journal of Radiology, 2019, 92, 20180492. | 2.2 | 66 |
| 32 | Quantification Issues in Arterial Spin Labeling Perfusion Magnetic Resonance Imaging. Topics in Magnetic Resonance Imaging, 2010, 21, 65-73. | 1.2 | 63 |
| 33 | Multiple time scale complexity analysis of resting state FMRI. Brain Imaging and Behavior, 2014, 8, 284-291. | 2.1 | 60 |
| 34 | Noncontrast dynamic MRA in intracranial arteriovenous malformation (AVM): comparison with time of flight (TOF) and digital subtraction angiography (DSA). Magnetic Resonance Imaging, 2012, 30, 869-877. | 1.8 | 59 |
| 35 | Simultaneous fMRI–PET of the opioidergic pain system in human brain. NeuroImage, 2014, 102, 275-282. | 4.2 | 59 |
| 36 | Detecting Static and Dynamic Differences between Eyes-Closed and Eyes-Open Resting States Using ASL and BOLD fMRI. PLoS ONE, 2015, 10, e0121757. | 2.5 | 59 |

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|---|---------|----|-----------|
| 37 | 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. | 4.2 | 57 |
| 38 | 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. | 4.3 | 57 |
| 39 | How the heart speaks to the brain: neural activity during cardiorespiratory interoceptive stimulation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20160017. | 4.0 | 55 |
| 40 | Associations of Resting-State fMRI Functional Connectivity with Flow-BOLD Coupling and Regional Vasculature. Brain Connectivity, 2015, 5, 137-146. | 1.7 | 54 |
| 41 | Transcranial electrical stimulation modifies the neuronal response to psychosocial stress exposure. Human Brain Mapping, 2014, 35, 3750-3759. | 3.6 | 53 |
| 42 | The pediatric template of brain perfusion. Scientific Data, 2015, 2, 150003. | 5.3 | 53 |
| 43 | In-vivo Imaging of Magnetic Fields Induced by Transcranial Direct Current Stimulation (tDCS) in Human Brain using MRI. Scientific Reports, 2016, 6, 34385. | 3.3 | 52 |
| 44 | Regional cerebral blood flow alterations in obstructive sleep apnea. Neuroscience Letters, 2013, 555, 159-164. | 2.1 | 51 |
| 45 | Dynamic and static contributions of the cerebrovasculature to the resting-state BOLD signal. NeuroImage, 2014, 84, 672-680. | 4.2 | 51 |
| 46 | Water Exchange across the Blood–Brain Barrier in Obstructive Sleep Apnea: An MRI Diffusion–Weighted Pseudo–Continuous Arterial Spin Labeling Study. Journal of Neuroimaging, 2015, 25, 900-905. | 2.0 | 51 |
| 47 | Effect of high dose isoflurane on cerebral blood flow in macaque monkeys. Magnetic Resonance Imaging, 2014, 32, 956-960. | 1.8 | 49 |
| 48 | Astrocytic tumour grading: a comparative study of three-dimensional pseudocontinuous arterial spin labelling, dynamic susceptibility contrast-enhanced perfusion-weighted imaging, and diffusion-weighted imaging. European Radiology, 2015, 25, 3423-3430. | 4.5 | 49 |
| 49 | Regional Correlation between Resting State FDG PET and pCASL Perfusion MRI. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1909-1914. | 4.3 | 48 |
| 50 | Arterial Spin Labeling Magnetic Resonance Imaging Estimation of Antegrade and Collateral Flow in Unilateral Middle Cerebral Artery Stenosis. Stroke, 2016, 47, 428-433. | 2.0 | 48 |
| 51 | Altered Glutamate and Regional Cerebral Blood Flow Levels in Schizophrenia: A 1H-MRS and pCASL study. Neuropsychopharmacology, 2017, 42, 562-571. | 5.4 | 46 |
| 52 | MarkVCID cerebral small vessel consortium: II. Neuroimaging protocols. Alzheimer's and Dementia, 2021, 17, 716-725. | 0.8 | 45 |
| 53 | Multi-delay ASL can identify leptomeningeal collateral perfusion in endovascular therapy of ischemic stroke. Oncotarget, 2017, 8, 2437-2443. | 1.8 | 44 |
| 54 | Turbo-FLASH Based Arterial Spin Labeled Perfusion MRI at 7 T. PLoS ONE, 2013, 8, e66612. | 2.5 | 43 |

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|---|---------|----|-----------| 
| 55 | Application of arterial spin labeling perfusion MRI to differentiate benign from malignant intracranial meningiomas. European Journal of Radiology, 2017, 97, 31-36. | 2.6 | 42 |
| 56 | 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. | 3.1 | 42 |
| 57 | Estimation of perfusion and arterial transit time in myocardium using free‐breathing myocardial arterial spin labeling with navigator‐echo. Magnetic Resonance in Medicine, 2010, 64, 1289-1295. | 3.0 | 41 |
| 58 | Baseline $CBF$, and $BOLD, CFB$, and $CMRO_2$ fMRI of Visual and Vibrotactile Stimulations in Baboons. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 715-724. | 4.3 | 41 |
| 59 | Impaired Cerebrovascular Function in Coronary Artery Disease Patients and Recovery Following Cardiac Rehabilitation. Frontiers in Aging Neuroscience, 2015, 7, 224. | 3.4 | 41 |
| 60 | Deep Learning Detection of Penumbral Tissue on Arterial Spin Labeling in Stroke. Stroke, 2020, 51, 489-497. | 2.0 | 39 |
| 61 | Retrospective motion artifact correction of structural MRI images using deep learning improves the quality of cortical surface reconstructions. NeuroImage, 2021, 230, 117756. | 4.2 | 39 |
| 62 | Measurement of Cerebral White Matter Perfusion Using Pseudocontinuous Arterial Spin Labeling 3T Magnetic Resonance Imaging â€" an Experimental and Theoretical Investigation of Feasibility. PLoS ONE, 2013, 8, e82679. | 2.5 | 38 |
| 63 | Measuring human placental blood flow with multidelay 3D GRASE pseudocontinuous arterial spin labeling at 3T. Journal of Magnetic Resonance Imaging, 2018, 47, 1667-1676. | 3.4 | 37 |
| 64 | Loss of Coherence of Low Frequency Fluctuations of BOLD FMRI in Visual Cortex of Healthy Aged Subjects. Open Neuroimaging Journal, 2011, 5, 105-111. | 0.2 | 36 |
| 65 | Metric Optimization for Surface Analysis in the Laplace-Beltrami Embedding Space. IEEE Transactions on Medical Imaging, 2014, 33, 1447-1463. | 8.9 | 35 |
| 66 | Assessing intracranial vascular compliance using dynamic arterial spin labeling. NeuroImage, 2016, 124, 433-441. | 4.2 | 35 |
| 67 | Golden‐ratio rotated stack‐of‐stars acquisition for improved volumetric MRI. Magnetic Resonance in Medicine, 2017, 78, 2290-2298. | 3.0 | 35 |
| 68 | Towards the identification of multi-parametric quantitative MRI biomarkers in lupus nephritis. Magnetic Resonance Imaging, 2015, 33, 1066-1074. | 1.8 | 34 |
| 69 | Comparison of arterial transit times estimated using arterial spin labeling. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2012, 25, 135-144. | 2.0 | 33 |
| 70 | Noncontrast enhanced four‐dimensional dynamic MRA with golden angle radial acquisition and k‐space weighted image contrast (KWIC) reconstruction. Magnetic Resonance in Medicine, 2014, 72, 1541-1551. | 3.0 | 33 |
| 71 | Balanced steady state free precession for arterial spin labeling MRI: Initial experience for blood flow mapping in human brain, retina, and kidney. Magnetic Resonance Imaging, 2013, 31, 1044-1050. | 1.8 | 31 |
| 72 | Collateral perfusion using arterial spin labeling in symptomatic versus asymptomatic middle cerebral artery stenosis. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 108-117. | 4.3 | 31 |

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|---|---------|----|-----------|
| 73 | Water exchange rate across the blood–brain barrier is associated with CSF amyloid–$\beta$ 42 in healthy older adults. Alzheimer's and Dementia, 2021, 17, 2020-2029. | 0.8 | 31 |
| 74 | Comparison of pulsed and pseudocontinuous arterial spin–labeling for measuring $CO_2$–induced cerebrovascular reactivity. Journal of Magnetic Resonance Imaging, 2012, 36, 312-321. | 3.4 | 30 |
| 75 | Quantitative mouse renal perfusion using arterial spin labeling. NMR in Biomedicine, 2013, 26, 1225-1232. | 2.8 | 30 |
| 76 | Comparison Between Blood-Brain Barrier Water Exchange Rate and Permeability to Gadolinium-Based Contrast Agent in an Elderly Cohort. Frontiers in Neuroscience, 2020, 14, 571480. | 2.8 | 30 |
| 77 | Perfusion shift from white to gray matter may account for processing speed deficits in schizophrenia. Human Brain Mapping, 2015, 36, 3793-3804. | 3.6 | 28 |
| 78 | Differential diagnosis of mitochondrial encephalopathy with lactic acidosis and stroke-like episodes (MELAS) and ischemic stroke using 3D pseudocontinuous arterial spin labeling. Journal of Magnetic Resonance Imaging, 2017, 45, 199-206. | 3.4 | 28 |
| 79 | A constrained slice–dependent background suppression scheme for simultaneous multislice pseudo–continuous arterial spin labeling. Magnetic Resonance in Medicine, 2018, 79, 394-400. | 3.0 | 28 |
| 80 | Accelerated noncontrast–enhanced 4–dimensional intracranial MR angiography using golden–angle stack–of–stars trajectory and compressed sensing with magnitude subtraction. Magnetic Resonance in Medicine, 2018, 79, 867-878. | 3.0 | 28 |
| 81 | Hypercapnia increases brain viscoelasticity. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 2445-2455. | 4.3 | 28 |
| 82 | Multidelay multiparametric arterial spin labeling perfusion MRI and mild cognitive impairment in early stage Parkinson's disease. Human Brain Mapping, 2019, 40, 1317-1327. | 3.6 | 28 |
| 83 | Regional association of pCASL-MRI with FDG-PET and PiB-PET in people at risk for autosomal dominant Alzheimer's disease. NeuroImage: Clinical, 2018, 17, 751-760. | 2.7 | 27 |
| 84 | Single and repeated ketamine treatment induces perfusion changes in sensory and limbic networks in major depressive disorder. European Neuropsychopharmacology, 2020, 33, 89-100. | 0.7 | 27 |
| 85 | Interhemispheric Cerebral Blood Flow Balance during Recovery of Motor Hand Function after Ischemic Stroke—A Longitudinal MRI Study Using Arterial Spin Labeling Perfusion. PLoS ONE, 2014, 9, e106327. | 2.5 | 26 |
| 86 | Wavelet–based regularity analysis reveals recurrent spatiotemporal behavior in resting–state fMRI. Human Brain Mapping, 2015, 36, 3603-3620. | 3.6 | 26 |
| 87 | Reduced perfusion in normal–appearing white matter in mild to moderate hypertension as revealed by 3D pseudocontinuous arterial spin labeling. Journal of Magnetic Resonance Imaging, 2016, 43, 635-643. | 3.4 | 26 |
| 88 | 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. | 4.2 | 26 |
| 89 | Association of Intensive vs Standard Blood Pressure Control With Cerebral Blood Flow. JAMA Neurology, 2022, 79, 380. | 9.0 | 26 |
| 90 | Quantification of Network Perfusion in ASL Cerebral Blood Flow Data with Seed Based and ICA Approaches. Brain Topography, 2013, 26, 569-580. | 1.8 | 25 |

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|---|---------|----|-----------|
| 91 | Evaluation of Cerebral Blood Flow Measured by 3D PCASL as Biomarker of Vascular Cognitive Impairment and Dementia (VCID) in a Cohort of Elderly Latinx Subjects at Risk of Small Vessel Disease. Frontiers in Neuroscience, 2021, 15, 627627. | 2.8 | 25 |
| 92 | Instrumental validation of free water, peak‐width of skeletonized mean diffusivity, and white matter hyperintensities: MarkVCID neuroimaging kits. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2022, 14, e12261. | 2.4 | 25 |
| 93 | Quantification of arterial cerebral blood volume using multiphase‐balanced SSFP‐based ASL. Magnetic Resonance in Medicine, 2012, 68, 130-139. | 3.0 | 24 |
| 94 | ASPECTS-based reperfusion status on arterial spin labeling is associated with clinical outcome in acute ischemic stroke patients. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 382-392. | 4.3 | 24 |
| 95 | Characterization of lenticulostriate arteries with high resolution black-blood T1-weighted turbo spin echo with variable flip angles at 3 and 7‐Tesla. NeuroImage, 2019, 199, 184-193. | 4.2 | 24 |
| 96 | Human Placenta Blood Flow During Early Gestation With Pseudocontinuous Arterial Spin Labeling MRI. Journal of Magnetic Resonance Imaging, 2020, 51, 1247-1257. | 3.4 | 23 |
| 97 | Differences in high-definition transcranial direct current stimulation over the motor hotspot versus the premotor cortex on motor network excitability. Scientific Reports, 2019, 9, 17605. | 3.3 | 22 |
| 98 | 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. | 2.0 | 20 |
| 99 | 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. Magnetic Resonance in Medicine, 2015, 73, spcone. | 3.0 | 19 |
| 100 | Cerebral Hemodynamic and White Matter Changes of Type 2 Diabetes Revealed by Multi-TI Arterial Spin Labeling and Double Inversion Recovery Sequence. Frontiers in Neurology, 2017, 8, 717. | 2.4 | 19 |
| 101 | A review of transcranial direct current stimulation (tDCS) for the individualized treatment of depressive symptoms. Personalized Medicine in Psychiatry, 2019, 17-18, 17-22. | 0.1 | 19 |
| 102 | Relationships between Cerebral Blood Flow and IQ in Typically Developing Children and Adolescents. Journal of Cognitive Science, 2011, 12, 151-170. | 0.2 | 19 |
| 103 | Detecting resting-state brain activity by spontaneous cerebral blood volume fluctuations using whole brain vascular space occupancy imaging. NeuroImage, 2014, 84, 575-584. | 4.2 | 18 |
| 104 | Time‐resolved noncontrast enhanced 4‐D dynamic magnetic resonance angiography using multibolus TrueFISP‐based spin tagging with alternating radiofrequency (TrueSTAR). Magnetic Resonance in Medicine, 2014, 71, 551-560. | 3.0 | 18 |
| 105 | An Automatic Estimation of Arterial Input Function Based on Multi-Stream 3D CNN. Frontiers in Neuroinformatics, 2019, 13, 49. | 2.5 | 18 |
| 106 | Serotonin transporter genotype modulates the association between depressive symptoms and amygdala activity among psychiatrically healthy adults. Psychiatry Research - Neuroimaging, 2011, 193, 161-167. | 1.8 | 17 |
| 107 | Patterns of postictal cerebral perfusion in idiopathic generalized epilepsy: a multi-delay multi-parametric arterial spin labelling perfusion MRI study. Scientific Reports, 2016, 6, 28867. | 3.3 | 17 |
| 108 | Voxelwise Spectral Diffusional Connectivity and Its Applications to Alzheimer's Disease and Intelligence Prediction. Lecture Notes in Computer Science, 2013, 16, 655-662. | 1.3 | 17 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 109 | Phaseâ€cycled simultaneous multislice balanced SSFP imaging with CAIPIRINHA for efficient banding reduction. Magnetic Resonance in Medicine, 2016, 76, 1764-1774. | 3.0 | 16 |
| 110 | Noncontrastâ€enhanced timeâ€resolved 4D dynamic intracranial MR angiography at 7T: A feasibility study. Journal of Magnetic Resonance Imaging, 2018, 48, 111-120. | 3.4 | 16 |
| 111 | Eigenanatomy: Sparse dimensionality reduction for multi-modal medical image analysis. Methods, 2015, 73, 43-53. | 3.8 | 15 |
| 112 | Multi-phase 3D arterial spin labeling brain MRI in assessing cerebral blood perfusion and arterial transit times in children at 3T. Clinical Imaging, 2019, 53, 210-220. | 1.5 | 15 |
| 113 | Layer-dependent multiplicative effects of spatial attention on contrast responses in human early visual cortex. Progress in Neurobiology, 2020, 207, 101897. | 5.7 | 15 |
| 114 | Robust functional mapping of layer-selective responses in human lateral geniculate nucleus with high-resolution 7T fMRI. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200245. | 2.6 | 14 |
| 115 | Cerebroarterial pulsatility and resistivity indices are associated with cognitive impairment and white matter hyperintensity in elderly subjects: A phase-contrast MRI study. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 670-683. | 4.3 | 14 |
| 116 | Cerebral perfusion is associated with blast exposure in military personnel without moderate or severe TBI. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 886-900. | 4.3 | 14 |
| 117 | Cortical responses to amphetamine exposure studied by pCASL MRI and pharmacokinetic/pharmacodynamic dose modeling. NeuroImage, 2013, 68, 75-82. | 4.2 | 13 |
| 118 | Decomposing cerebral blood flow MRI into functional and structural components: A non-local approach based on prediction. NeuroImage, 2015, 105, 156-170. | 4.2 | 13 |
| 119 | Noise Reduction in Arterial Spin Labeling Based Functional Connectivity Using Nuisance Variables. Frontiers in Neuroscience, 2016, 10, 371. | 2.8 | 13 |
| 120 | Value of pituitary gland MRI at 7 T in Cushingâ€™s disease and relationship to inferior petrosal sinus sampling: case report. Journal of Neurosurgery, 2019, 130, 347-351. | 1.6 | 13 |
| 121 | Dynamics of the cerebral blood flow response to brief neural activity in human visual cortex. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 1823-1837. | 4.3 | 13 |
| 122 | Fast Local Trust Region Technique for Diffusion Tensor Registration Using Exact Reorientation and Regularization. IEEE Transactions on Medical Imaging, 2014, 33, 1005-1022. | 8.9 | 12 |
| 123 | Developmental trajectories of cerebral blood flow and oxidative metabolism at baseline and during working memory tasks. NeuroImage, 2016, 134, 587-596. | 4.2 | 12 |
| 124 | A longitudinal study of cerebral blood flow under hypoxia at high altitude using 3D pseudo-continuous arterial spin labeling. Scientific Reports, 2017, 7, 43246. | 3.3 | 12 |
| 125 | Imbalance of Functional Connectivity and Temporal Entropy in Resting-State Networks in Autism Spectrum Disorder: A Machine Learning Approach. Frontiers in Neuroscience, 2018, 12, 869. | 2.8 | 12 |
| 126 | In-vivo imaging of targeting and modulation of depression-relevant circuitry by transcranial direct current stimulation: a randomized clinical trial. Translational Psychiatry, 2021, 11, 138. | 4.8 | 12 |

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|---|---------|-----|-----------|
| 127 | Concurrent Imaging of Markers of Current Flow and Neurophysiological Changes During tDCS. Frontiers in Neuroscience, 2020, 14, 374. | 2.8 | 11 |
| 128 | Optimization of adiabatic pulses for pulsed arterial spin labeling at 7 tesla: Comparison with pseudo€continuous arterial spin labeling. Magnetic Resonance in Medicine, 2021, 85, 3227-3240. | 3.0 | 11 |
| 129 | Laminar perfusion imaging with zoomed arterial spin labeling at 7 Tesla. NeuroImage, 2021, 245, 118724. | 4.2 | 11 |
| 130 | Modulation of brain networks during MR-compatible transcranial direct current stimulation. NeuroImage, 2022, 250, 118874. | 4.2 | 11 |
| 131 | Quantification of liver perfusion using multidelay pseudocontinuous arterial spin labeling. Journal of Magnetic Resonance Imaging, 2016, 43, 1046-1054. | 3.4 | 10 |
| 132 | Quantification of intracranial arterial blood flow using noncontrast enhanced 4D dynamic MR angiography. Magnetic Resonance in Medicine, 2019, 82, 449-459. | 3.0 | 10 |
| 133 | Lower retinal capillary density in minimal cognitive impairment among older Latinx adults. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12071. | 2.4 | 10 |
| 134 | Optimization of pseudo€continuous arterial spin labeling at 7T with parallel transmission B1 shimming. Magnetic Resonance in Medicine, 2022, 87, 249-262. | 3.0 | 10 |
| 135 | High-Resolution Neurovascular Imaging at 7T. Magnetic Resonance Imaging Clinics of North America, 2021, 29, 53-65. | 1.1 | 9 |
| 136 | Pathophysiological Mechanisms Underlying Idiopathic Normal Pressure Hydrocephalus: A Review of Recent Insights. Frontiers in Aging Neuroscience, 2022, 14, 866313. | 3.4 | 9 |
| 137 | Recent Advances in Pediatric Brain, Spine, and Neuromuscular Magnetic Resonance Imaging Techniques. Pediatric Neurology, 2019, 96, 7-23. | 2.1 | 8 |
| 138 | Cerebrovascular reactivity deficits in cognitively unimpaired older adults: vasodilatory versus vasoconstrictive responses. Neurobiology of Aging, 2022, 113, 55-62. | 3.1 | 8 |
| 139 | Reperfusion Into Severely Damaged Brain Tissue Is Associated With Occurrence of Parenchymal Hemorrhage for Acute Ischemic Stroke. Frontiers in Neurology, 2020, 11, 586. | 2.4 | 7 |
| 140 | Prospective motion correction for 3D GRASE pCASL with volumetric navigators. Proceedings of the International Society for Magnetic Resonance in Medicine ... Scientific Meeting and Exhibition., 2017, 25, 0680. | 0.5 | 7 |
| 141 | Multi-vendor and multisite evaluation of cerebrovascular reactivity mapping using hypercapnia challenge. NeuroImage, 2021, 245, 118754. | 4.2 | 7 |
| 142 | Selective vulnerability of medial temporal regions to short-term blood pressure variability and cerebral hypoperfusion in older adults. NeuroImage Reports, 2022, 2, 100080. | 1.0 | 7 |
| 143 | Detection of hyperperfusion on arterial spin labeling using deep learning. , 2015, 2015, 1322-1327. | | 5 |
| 144 | Integrated SSFP for functional brain mapping at 7 T with reduced susceptibility artifact. Journal of Magnetic Resonance, 2017, 276, 22-30. | 2.1 | 5 |

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|---|---------|----|-----------|
| 145 | Lowâ€dose <scp>CT</scp> perfusion with projection view sharing. Medical Physics, 2018, 45, 101-113. | 3.0 | 5 |
| 146 | ICâ€Pâ€059: REVEALING SMALL SUBFIELDS OF HIPPOCAMPUS IN VIVO WITH 7T STRUCTURAL MRI. Alzheimer's and Dementia, 2018, 14, P55. | 0.8 | 5 |
| 147 | 7-Tesla MRI of the brain in a research subject with bilateral, total knee replacement implants: Case report and proposed safety guidelines. Magnetic Resonance Imaging, 2019, 57, 313-316. | 1.8 | 5 |
| 148 | Low Dose CT Perfusion With K-Space Weighted Image Average (KWIA). IEEE Transactions on Medical Imaging, 2020, 39, 3879-3890. | 8.9 | 5 |
| 149 | Assessment of carotid stiffness by measuring carotid pulse wave velocity using a singleâ€slice obliqueâ€sagittal phaseâ€contrast MRI. Magnetic Resonance in Medicine, 2021, 86, 442-455. | 3.0 | 5 |
| 150 | A novel technique for accurate electrode placement over cortical targets for transcranial electrical stimulation (tES) clinical trials. Journal of Neural Engineering, 2021, 18, . | 3.5 | 5 |
| 151 | Super-Resolution Arterial Spin Labeling Using Slice-Dithered Enhanced Resolution and Simultaneous Multi-Slice Acquisition. Frontiers in Neuroscience, 2021, 15, 737525. | 2.8 | 5 |
| 152 | Anterior cingulate GABA levels predict whole-brain cerebral blood flow. Neuroscience Letters, 2014, 561, 188-191. | 2.1 | 4 |
| 153 | Multi-phase passband balanced SSFP fMRI with 50 ms sampling rate at 7 Tesla enables high precision in resolving 100 ms neuronal events. Magnetic Resonance Imaging, 2017, 35, 20-28. | 1.8 | 4 |
| 154 | Changes in Cerebral Blood Flow during an Alteration in Glycemic State in a Large Non-human Primate (Papio hamadryas sp.). Frontiers in Neuroscience, 2017, 11, 49. | 2.8 | 4 |
| 155 | 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, 129-149. | 0.2 | 4 |
| 156 | Noncontrast Pediatric Brain Perfusion. Magnetic Resonance Imaging Clinics of North America, 2021, 29, 493-513. | 1.1 | 4 |
| 157 | DTâ€02â€05: MARKVCID PHASE II: PRIORITIZED CANDIDATE SMALL VESSEL VCID BIOMARKERS SELECTED FOR INDEPENDENT MULTIâ€SITE TESTING AND VALIDATION. Alzheimer's and Dementia, 2018, 14, P1670. | 0.8 | 3 |
| 158 | Improved sensitivity of cellular MRI using phase-cycled balanced SSFP of ferumoxytol nanocomplex-labeled macrophages at ultrahigh field. International Journal of Nanomedicine, 2018, Volume 13, 3839-3852. | 6.7 | 3 |
| 159 | Editorial: Advances in Multi-Scale Analysis of Brain Complexity. Frontiers in Neuroscience, 2020, 14, 337. | 2.8 | 3 |
| 160 | Highly Accelerated SSFP Imaging with Controlled Aliasing in Parallel Imaging and integrated-SSFP (CAIPI-iSSFP). Investigative Magnetic Resonance Imaging, 2017, 21, 210. | 0.4 | 2 |
| 161 | Fast Diffusion Tensor Registration with Exact Reorientation and Regularization. Lecture Notes in Computer Science, 2012, 15, 138-145. | 1.3 | 2 |
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