

Christine Preibisch

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

2,925
citations

172457

29
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182427

51
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72
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72
docs citations

72
times ranked

4084
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Multi-parameter quantitative mapping of R1, R2*, PD, and MTsat is reproducible when accelerated with Compressed SENSE. <i>NeuroImage</i> , 2022, 253, 119092. | 4.2 | 3 |
| 2 | Resting-state BOLD functional connectivity depends on the heterogeneity of capillary transit times in the human brain A combined lesion and simulation study about the influence of blood flow response timing. <i>NeuroImage</i> , 2022, 255, 119208. | 4.2 | 3 |
| 3 | Super-selective ASL and 4D ASL-based MR Angiography in a Patient with Moyamoya Disease. <i>Clinical Neuroradiology</i> , 2021, 31, 515-519. | 1.9 | 6 |
| 4 | Hemodynamic impairments within individual watershed areas in asymptomatic carotid artery stenosis by multimodal MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 380-396. | 4.3 | 23 |
| 5 | Decreasing Spatial Variability of Individual Watershed Areas by Revascularization Therapy in Patients With High-Grade Carotid Artery Stenosis. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 1878-1889. | 3.4 | 4 |
| 6 | Visualizing cellularity and angiogenesis in newly-diagnosed glioblastoma with diffusion and perfusion MRI and FET-PET imaging. <i>EJNMMI Research</i> , 2021, 11, 72. | 2.5 | 8 |
| 7 | Imaging effective oxygen diffusivity in the human brain with multiparametric magnetic resonance imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, , 0271678X2110484. | 4.3 | 2 |
| 8 | Investigating the effect of flow compensation and quantitative susceptibility mapping method on the accuracy of venous susceptibility measurement. <i>NeuroImage</i> , 2021, 240, 118399. | 4.2 | 13 |
| 9 | The stronger one-sided relative hypoperfusion, the more pronounced ipsilateral spatial attentional bias in patients with asymptomatic carotid stenosis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 314-327. | 4.3 | 10 |
| 10 | Characterizing white matter fiber orientation effects on multi-parametric quantitative BOLD assessment of oxygen extraction fraction. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 760-774. | 4.3 | 21 |
| 11 | Reduced apparent fiber density in the white matter of premature-born adults. <i>Scientific Reports</i> , 2020, 10, 17214. | 3.3 | 12 |
| 12 | Oxygen extraction fraction mapping with multi-parametric quantitative BOLD MRI: Reduced transverse relaxation bias using 3D-GraSE imaging. <i>NeuroImage</i> , 2020, 220, 117095. | 4.2 | 9 |
| 13 | The wavelet power spectrum of perfusion weighted MRI correlates with tumor vascularity in biopsy-proven glioblastoma samples. <i>PLoS ONE</i> , 2020, 15, e0228030. | 2.5 | 5 |
| 14 | Modeling the impact of neurovascular coupling impairments on BOLD-based functional connectivity at rest. <i>NeuroImage</i> , 2020, 218, 116871. | 4.2 | 15 |
| 15 | Consistency of normalized cerebral blood volume values in glioblastoma using different leakage correction algorithms on dynamic susceptibility contrast magnetic resonance imaging data without and with preload. <i>Journal of Neuroradiology</i> , 2019, 46, 44-51. | 1.1 | 17 |
| 16 | Flow-metabolism uncoupling in patients with asymptomatic unilateral carotid artery stenosis assessed by multi-modal magnetic resonance imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 2132-2143. | 4.3 | 24 |
| 17 | 18F-Fluoroethyl-tyrosine uptake is correlated with amino acid transport and neovascularization in treatment-naïve glioblastomas. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 2163-2168. | 6.4 | 14 |
| 18 | Personalized Radiotherapy Design for Glioblastoma: Integrating Mathematical Tumor Models, Multimodal Scans, and Bayesian Inference. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 1875-1884. | 8.9 | 96 |

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|----|--|-----|-----------|
| 19 | Acceleration of Double Inversion Recovery Sequences in Multiple Sclerosis With Compressed Sensing. <i>Investigative Radiology</i> , 2019, 54, 319-324. | 6.2 | 28 |
| 20 | Wavelet-based reconstruction of dynamic susceptibility MR-perfusion: a new method to visualize hypervascular brain tumors. <i>European Radiology</i> , 2019, 29, 2669-2676. | 4.5 | 2 |
| 21 | Reduced blood oxygenation level dependent connectivity is related to hypoperfusion in Alzheimer's disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1314-1325. | 4.3 | 28 |
| 22 | Diagnosis of glioma recurrence using multiparametric dynamic 18F-fluoroethyl-tyrosine PET-MRI. <i>European Journal of Radiology</i> , 2018, 103, 32-37. | 2.6 | 85 |
| 23 | Pilot study to assess visualization and therapy of inflammatory mechanisms after vessel reopening in a mouse stroke model. <i>Scientific Reports</i> , 2018, 8, 745. | 3.3 | 7 |
| 24 | Increased variability of watershed areas in patients with high-grade carotid stenosis. <i>Neuroradiology</i> , 2018, 60, 311-323. | 2.2 | 11 |
| 25 | Psychotherapy With Somatosensory Stimulation for Endometriosis-Associated Pain: The Role of the Anterior Hippocampus. <i>Biological Psychiatry</i> , 2018, 84, 734-742. | 1.3 | 24 |
| 26 | Alzheimer Disease and Mild Cognitive Impairment: Integrated Pulsed Arterial Spin-Labeling MRI and ¹⁸ F-FDG PET. <i>Radiology</i> , 2018, 288, 198-206. | 7.3 | 75 |
| 27 | DeepASL: Kinetic Model Incorporated Loss for Denoising Arterial Spin Labeled MRI via Deep Residual Learning. <i>Lecture Notes in Computer Science</i> , 2018, , 30-38. | 1.3 | 16 |
| 28 | MR Imaging of Individual Perfusion Reorganization Using Superselective Pseudocontinuous Arterial Spin-Labeling in Patients with Complex Extracranial Steno-Occlusive Disease. <i>American Journal of Neuroradiology</i> , 2017, 38, 703-711. | 2.4 | 19 |
| 29 | Coherence of BOLD signal and electrical activity in the human brain during deep sevoflurane anesthesia. <i>Brain and Behavior</i> , 2017, 7, e00679. | 2.2 | 25 |
| 30 | Intra-lesional spatial correlation of static and dynamic FET-PET parameters with MRI-based cerebral blood volume in patients with untreated glioma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 392-397. | 6.4 | 37 |
| 31 | Psychotherapy With Somatosensory Stimulation for Endometriosis-Associated Pain: A Randomized Controlled Trial. <i>Obstetrical and Gynecological Survey</i> , 2017, 72, 163-165. | 0.4 | 0 |
| 32 | Characterizing hypoxia in human glioma: A simultaneous multimodal MRI and PET study. <i>NMR in Biomedicine</i> , 2017, 30, e3775. | 2.8 | 30 |
| 33 | Processing of Unattended Emotional Facial Expressions: Correlates of Visual Field Bias in Women. <i>Frontiers in Neuroscience</i> , 2017, 11, 443. | 2.8 | 3 |
| 34 | Diagnostic Potential of Pulsed Arterial Spin Labeling in Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2016, 10, 154. | 2.8 | 4 |
| 35 | Psychotherapy With Somatosensory Stimulation for Endometriosis-Associated Pain. <i>Obstetrics and Gynecology</i> , 2016, 128, 1134-1142. | 2.4 | 52 |
| 36 | Multiparametric MRI-based differentiation of WHO grade II/III glioma and WHO grade IV glioblastoma. <i>Scientific Reports</i> , 2016, 6, 35142. | 3.3 | 52 |

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|----|---|-----|-----------|
| 37 | Neural Correlates of Sevoflurane-induced Unconsciousness Identified by Simultaneous Functional Magnetic Resonance Imaging and Electroencephalography. <i>Anesthesiology</i> , 2016, 125, 861-872. | 2.5 | 118 |
| 38 | Intra- and interscanner variability of magnetic resonance imaging based volumetry in multiple sclerosis. <i>NeuroImage</i> , 2016, 142, 188-197. | 4.2 | 81 |
| 39 | Spatio-temporal MRI reconstruction by enforcing local and global regularity via dynamic total variation and nuclear norm minimization. , 2016, , . | | 3 |
| 40 | Analysis of three leakage-correction methods for DSC-based measurement of relative cerebral blood volume with respect to heterogeneity in human gliomas. <i>Magnetic Resonance Imaging</i> , 2016, 34, 410-421. | 1.8 | 32 |
| 41 | Evaluation of Multiband EPI Acquisitions for Resting State fMRI. <i>PLoS ONE</i> , 2015, 10, e0136961. | 2.5 | 114 |
| 42 | Mapping of cerebral metabolic rate of oxygen using dynamic susceptibility contrast and blood oxygen level dependent MR imaging in acute ischemic stroke. <i>Neuroradiology</i> , 2015, 57, 1253-1261. | 2.2 | 22 |
| 43 | Technical considerations on the validity of blood oxygenation levelâ€dependentâ€based MR assessment of vascular deoxygenation. <i>NMR in Biomedicine</i> , 2014, 27, 853-862. | 2.8 | 41 |
| 44 | MR-based hypoxia measures in human glioma. <i>Journal of Neuro-Oncology</i> , 2013, 115, 197-207. | 2.9 | 58 |
| 45 | Simultaneous Electroencephalographic and Functional Magnetic Resonance Imaging Indicate Impaired Cortical Topâ€Down Processing in Association with Anesthetic-induced Unconsciousness. <i>Anesthesiology</i> , 2013, 119, 1031-1042. | 2.5 | 153 |
| 46 | Extended cortical activations during evaluating successive pain stimuli. <i>Social Cognitive and Affective Neuroscience</i> , 2012, 7, 698-707. | 3.0 | 9 |
| 47 | Separating brain processing of pain from that of stimulus intensity. <i>Human Brain Mapping</i> , 2012, 33, 883-894. | 3.6 | 69 |
| 48 | Perfusion abnormalities in mild cognitive impairment and mild dementia in Alzheimerâ€™s disease measured by pulsed arterial spin labeling MRI. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2012, 262, 69-77. | 3.2 | 103 |
| 49 | Ageâ€related cerebral perfusion changes in the parietal and temporal lobes measured by pulsed arterial spin labeling. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 1295-1302. | 3.4 | 35 |
| 50 | Neuroanatomical correlates of visual field bias: A sensitive system for detecting potential threats?. <i>Brain Research</i> , 2009, 1263, 69-77. | 2.2 | 8 |
| 51 | Rapid singleâ€scan <i>T</i> -mapping using exponential excitation pulses and imageâ€based correction for linear background gradients. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 263-268. | 3.0 | 71 |
| 52 | Reduction of susceptibility-induced signal losses in multi-gradient-echo images: Application to improved visualization of the subthalamic nucleus. <i>NeuroImage</i> , 2009, 45, 1135-1143. | 4.2 | 31 |
| 53 | Comparison of parallel acquisition techniques generalized autocalibrating partially parallel acquisitions (GRAPPA) and modified sensitivity encoding (mSENSE) in functional MRI (fMRI) at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 590-598. | 3.4 | 36 |
| 54 | Exponential excitation pulses for improved water content mapping in the presence of background gradients. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 908-916. | 3.0 | 30 |

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|----|---|-----|-----------|
| 55 | Severity of dysfluency correlates with basal ganglia activity in persistent developmental stuttering. <i>Brain and Language</i> , 2008, 104, 190-199. | 1.6 | 169 |
| 56 | Testing the Diagnostic Value of Electrical Ear Canal Stimulation in Cochlear Implant Candidates by Functional Magnetic Resonance Imaging. <i>Audiology and Neuro-Otology</i> , 2008, 13, 281-292. | 1.3 | 6 |
| 57 | Effect of delayed cerebral vasospasm on cerebrovascular endothelin A receptor expression and function. <i>Journal of Neurosurgery</i> , 2007, 107, 121-127. | 1.6 | 29 |
| 58 | PERSISTENCE OF THE NITRIC OXIDE-DEPENDENT VASODILATORPATHWAY OF CEREBRAL VESSELS AFTEREXPERIMENTAL SUBARACHNOID HEMORRHAGE. <i>Neurosurgery</i> , 2007, 60, 179-188. | 1.1 | 20 |
| 59 | CHARACTERIZATION OF THE ENDOTHELIN-B RECEPTOR EXPRESSION AND VASOMOTOR FUNCTION DURING EXPERIMENTAL CEREBRAL VASOSPASM. <i>Neurosurgery</i> , 2007, 60, 1100-1109. | 1.1 | 24 |
| 60 | Time Course in the Development of Cerebral Vasospasm after Experimental Subarachnoid Hemorrhage: Clinical and Neuroradiological Assessment of the Rat Double Hemorrhage Model. <i>Neurosurgery</i> , 2006, 58, 1190-1197. | 1.1 | 74 |
| 61 | Cortical plasticity associated with stuttering therapy. <i>Journal of Fluency Disorders</i> , 2005, 30, 23-39. | 1.7 | 106 |
| 62 | Functional MRI using sensitivity-encoded echo planar imaging (SENSE-EPI). <i>NeuroImage</i> , 2003, 19, 412-421. | 4.2 | 102 |
| 63 | Event-related fMRI for the suppression of speech-associated artifacts in stuttering. <i>NeuroImage</i> , 2003, 19, 1076-1084. | 4.2 | 46 |
| 64 | Evidence for compensation for stuttering by the right frontal operculum. <i>NeuroImage</i> , 2003, 20, 1356-1364. | 4.2 | 140 |
| 65 | The nature and treatment of stuttering as revealed by fMRI. <i>Journal of Fluency Disorders</i> , 2003, 28, 381-410. | 1.7 | 122 |
| 66 | Neural Correlates of Spontaneous Direction Reversals in Ambiguous Apparent Visual Motion. <i>NeuroImage</i> , 2002, 15, 908-916. | 4.2 | 124 |
| 67 | Functional MRI in stutterers: Feasibility and first results. <i>NeuroImage</i> , 2001, 13, 1088. | 4.2 | 0 |
| 68 | Cerebral activation patterns in patients with writer's cramp: a functional magnetic resonance imaging study. <i>Journal of Neurology</i> , 2001, 248, 10-17. | 3.6 | 125 |
| 69 | Fast three-dimensional sodium imaging of human brain. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2001, 13, 63-69. | 2.0 | 0 |
| 70 | Perfusion imaging using spin-labeling methods: Contrast- to-noise comparison in functional MRI applications. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 172-182. | 3.0 | 29 |
| 71 | Functional MR Imaging of the Human Brain Using FLASH: Influence of Various Imaging Parameters. <i>Journal of Magnetic Resonance</i> , 1999, 140, 162-171. | 2.1 | 8 |