

Christine Preibisch

List of Publications by Year in descending order

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71
papers

2,925
citations

172457

29
h-index

182427

51
g-index

72
all docs

72
docs citations

72
times ranked

4084
citing authors

#	ARTICLE	IF	CITATIONS
1	Severity of dysfluency correlates with basal ganglia activity in persistent developmental stuttering. <i>Brain and Language</i> , 2008, 104, 190-199.	1.6	169
2	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
3	Evidence for compensation for stuttering by the right frontal operculum. <i>NeuroImage</i> , 2003, 20, 1356-1364.	4.2	140
4	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
5	Neural Correlates of Spontaneous Direction Reversals in Ambiguous Apparent Visual Motion. <i>NeuroImage</i> , 2002, 15, 908-916.	4.2	124
6	The nature and treatment of stuttering as revealed by fMRI. <i>Journal of Fluency Disorders</i> , 2003, 28, 381-410.	1.7	122
7	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
8	Evaluation of Multiband EPI Acquisitions for Resting State fMRI. <i>PLoS ONE</i> , 2015, 10, e0136961.	2.5	114
9	Cortical plasticity associated with stuttering therapy. <i>Journal of Fluency Disorders</i> , 2005, 30, 23-39.	1.7	106
10	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
11	Functional MRI using sensitivity-encoded echo planar imaging (SENSE-EPI). <i>NeuroImage</i> , 2003, 19, 412-421.	4.2	102
12	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
13	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
14	Intra- and interscanner variability of magnetic resonance imaging based volumetry in multiple sclerosis. <i>NeuroImage</i> , 2016, 142, 188-197.	4.2	81
15	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
16	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
17	Rapid singleâ€“scan <i>i>T</i></i> â€“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
18	Separating brain processing of pain from that of stimulus intensity. <i>Human Brain Mapping</i> , 2012, 33, 883-894.	3.6	69

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19	MR-based hypoxia measures in human glioma. <i>Journal of Neuro-Oncology</i> , 2013, 115, 197-207.	2.9	58
20	Psychotherapy With Somatosensory Stimulation for Endometriosis-Associated Pain. <i>Obstetrics and Gynecology</i> , 2016, 128, 1134-1142.	2.4	52
21	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
22	Event-related fMRI for the suppression of speech-associated artifacts in stuttering. <i>NeuroImage</i> , 2003, 19, 1076-1084.	4.2	46
23	Technical considerations on the validity of blood oxygenation level-dependent-based MR assessment of vascular deoxygenation. <i>NMR in Biomedicine</i> , 2014, 27, 853-862.	2.8	41
24	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
25	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
26	Age-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
27	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
28	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
29	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
30	Characterizing hypoxia in human glioma: A simultaneous multimodal MRI and PET study. <i>NMR in Biomedicine</i> , 2017, 30, e3775.	2.8	30
31	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
32	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
33	Acceleration of Double Inversion Recovery Sequences in Multiple Sclerosis With Compressed Sensing. <i>Investigative Radiology</i> , 2019, 54, 319-324.	6.2	28
34	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
35	Coherence of <sc>BOLD</sc> signal and electrical activity in the human brain during deep sevoflurane anesthesia. <i>Brain and Behavior</i> , 2017, 7, e00679.	2.2	25
36	CHARACTERIZATION OF THE ENDOTHELIN-B RECEPTOR EXPRESSION AND VASOMOTOR FUNCTION DURING EXPERIMENTAL CEREBRAL VASOSPASM. <i>Neurosurgery</i> , 2007, 60, 1100-1109.	1.1	24

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37	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
38	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
39	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
40	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
41	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
42	PERSISTENCE OF THE NITRIC OXIDE-DEPENDENT VASODILATORPATHWAY OF CEREBRAL VESSELS AFTEREXPERIMENTAL SUBARACHNOID HEMORRHAGE. <i>Neurosurgery</i> , 2007, 60, 179-188.	1.1	20
43	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
44	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
45	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
46	Modeling the impact of neurovascular coupling impairments on BOLD-based functional connectivity at rest. <i>NeuroImage</i> , 2020, 218, 116871.	4.2	15
47	¹⁸ F-Fluoroethyl-tyrosine uptake is correlated with amino acid transport and neovascularization in treatment-naive glioblastomas. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 2163-2168.	6.4	14
48	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
49	Reduced apparent fiber density in the white matter of premature-born adults. <i>Scientific Reports</i> , 2020, 10, 17214.	3.3	12
50	Increased variability of watershed areas in patients with high-grade carotid stenosis. <i>Neuroradiology</i> , 2018, 60, 311-323.	2.2	11
51	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
52	Extended cortical activations during evaluating successive pain stimuli. <i>Social Cognitive and Affective Neuroscience</i> , 2012, 7, 698-707.	3.0	9
53	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
54	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

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55	Neuroanatomical correlates of visual field bias: A sensitive system for detecting potential threats?. Brain Research, 2009, 1263, 69-77.	2.2	8
56	Visualizing cellularity and angiogenesis in newly-diagnosed glioblastoma with diffusion and perfusion MRI and FET-PET imaging. EJNMMI Research, 2021, 11, 72.	2.5	8
57	Pilot study to assess visualization and therapy of inflammatory mechanisms after vessel reopening in a mouse stroke model. Scientific Reports, 2018, 8, 745.	3.3	7
58	Testing the Diagnostic Value of Electrical Ear Canal Stimulation in Cochlear Implant Candidates by Functional Magnetic Resonance Imaging. Audiology and Neuro-Otology, 2008, 13, 281-292.	1.3	6
59	Super-selective ASL and 4D ASL-based MR Angiography in a Patient with Moyamoya Disease. Clinical Neuroradiology, 2021, 31, 515-519.	1.9	6
60	The wavelet power spectrum of perfusion weighted MRI correlates with tumor vascularity in biopsy-proven glioblastoma samples. PLoS ONE, 2020, 15, e0228030.	2.5	5
61	Diagnostic Potential of Pulsed Arterial Spin Labeling in Alzheimer's Disease. Frontiers in Neuroscience, 2016, 10, 154.	2.8	4
62	Decreasing Spatial Variability of Individual Watershed Areas by Revascularization Therapy in Patients With High-Grade Carotid Artery Stenosis. Journal of Magnetic Resonance Imaging, 2021, 54, 1878-1889.	3.4	4
63	Spatio-temporal MRI reconstruction by enforcing local and global regularity via dynamic total variation and nuclear norm minimization. , 2016, , .		3
64	Processing of Unattended Emotional Facial Expressions: Correlates of Visual Field Bias in Women. Frontiers in Neuroscience, 2017, 11, 443.	2.8	3
65	Multi-parameter quantitative mapping of R1, R2*, PD, and MTsat is reproducible when accelerated with Compressed SENSE. NeuroImage, 2022, 253, 119092.	4.2	3
66	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. NeuroImage, 2022, 255, 119208.	4.2	3
67	Wavelet-based reconstruction of dynamic susceptibility MR-perfusion: a new method to visualize hypervascular brain tumors. European Radiology, 2019, 29, 2669-2676.	4.5	2
68	Imaging effective oxygen diffusivity in the human brain with multiparametric magnetic resonance imaging. Journal of Cerebral Blood Flow and Metabolism, 2021, , 0271678X2110484.	4.3	2
69	Functional MRI in stutterers: Feasibility and first results. NeuroImage, 2001, 13, 1088.	4.2	0
70	Fast three-dimensional sodium imaging of human brain. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2001, 13, 63-69.	2.0	0
71	Psychotherapy With Somatosensory Stimulation for Endometriosis-Associated Pain: A Randomized Controlled Trial. Obstetrical and Gynecological Survey, 2017, 72, 163-165.	0.4	0