Henri J M M Mutsaerts

List of Publications by Year
in descending order

96	2,149	218592	289141
papers	citations	26	40
		h-index	g-index

106	106	106	3554
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reproducibility of <scp>3ÂT APTâ€CEST</scp> in Healthy Volunteers and Patients With Brain Glioma. Journal of Magnetic Resonance Imaging, 2023, 57, 206-215.	1.9	3
2	Elevated regional cerebral blood flow in adults with 22q11.2 deletion syndrome. World Journal of Biological Psychiatry, 2023, 24, 260-265.	1.3	0
3	Decreased integrity of the monoaminergic tract is associated with a positive response to MPH in patients with vascular cognitive impairment - proof of principle study STREAM-VCI. Cerebral Circulation - Cognition and Behavior, 2022, 3, 100128.	0.4	0
4	Cerebral Blood Flow of the Frontal Lobe in Untreated Children with Trigonocephaly versus Healthy Controls: An Arterial Spin Labeling Study. Plastic and Reconstructive Surgery, 2022, 149, 931-937.	0.7	6
5	A systematic review on the use of quantitative imaging to detect cancer therapy adverse effects in normal-appearing brain tissue. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 163-186.	1.1	7
6	Association of Arterial Spin Labeling Parameters With Cognitive Decline, Vascular Events, and Mortality in a Memory-Clinic Sample. American Journal of Geriatric Psychiatry, 2022, 30, 1298-1309.	0.6	2
7	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
8	The Open-Access European Prevention of Alzheimerâ€™s Dementia (EPAD) MRI dataset and processing workflow. NeuroImage: Clinical, 2022, 35, 103106.	1.4	9
9	The effects of age on restingâ€state BOLD signal variability is explained by cardiovascular and cerebrovascular factors. Psychophysiology, 2021, 58, e13714.	1.2	51
10	Cerebral Blood Flow in Patients with Severe Aortic Valve Stenosis Undergoing Transcatheter Aortic Valve Implantation. Journal of the American Geriatrics Society, 2021, 69, 494-499.	1.3	13
11	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
12	Preoperative brain MRI features and occurrence of postoperative delirium. Journal of Psychosomatic Research, 2021, 140, 110301.	1.2	10
13	The Open Brain Consent: Informing research participants and obtaining consent to share brain imaging data. Human Brain Mapping, 2021, 42, 1945-1951.	1.9	27
14	The Effects of Intracranial Stenosis on Cerebral Perfusion and Cognitive Performance. Journal of Alzheimer's Disease, 2021, 79, 1369-1380.	1.2	8
15	Application of the ATN classification scheme in a population without dementia: Findings from the EPAD cohort. Alzheimer's and Dementia, 2021, 17, 1189-1204.	0.4	44
16	Epileptogenic zone detection in MRI negative epilepsy using adaptive thresholding of arterial spin labeling data. Scientific Reports, 2021, 11, 10904.	1.6	8
17	Using Perfusion Contrast for Spatial Normalization of ASL MRI Images in a Pediatric Craniosynostosis Population. Frontiers in Neuroscience, 2021, 15, 698007.	1.4	2
18	Safety and efficacy of losartan for the reduction of brain atrophy in clinically diagnosed Alzheimer's disease (the RADAR trial): a double-blind, randomised, placebo-controlled, phase 2 trial. Lancet Neurology, The, 2021, 20, 895-906.	4.9	26

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19	A Longitudinal Analysis of Cerebral Blood Flow in Perinatally HIV Infected Adolescents as Compared to Matched Healthy Controls. Viruses, 2021, 13, 2179.	1.5	1
20	Longitudinal relation between blood pressure, antihypertensive use and cerebral blood flow, using arterial spin labelling MRI. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 1756-1766.	2.4	16
21	Losartan to slow the progression of mild-to-moderate Alzheimer's disease through angiotensin targeting: the RADAR RCT. Efficacy and Mechanism Evaluation, 2021, 8, 1-72.	0.9	3
22	Assessment of Functional Shunting in Patients with Sickle Cell Disease. Blood, 2021, 138, 121-121.	0.6	1
23	Spatial variation of perfusion MRI reflects cognitive decline in mild cognitive impairment and early dementia. Scientific Reports, 2021, 11, 23325.	1.6	10
24	Robust Multi-TE ASL-Based Blood–Brain Barrier Integrity Measurements. Frontiers in Neuroscience, 2021, 15, 719676.	1.4	14
25	Tau and synaptic biomarkers but not amyloid-β are associated with cerebral perfusion in the Alzheimer's disease spectrum. Alzheimer's and Dementia, 2021, 17, .	0.4	0
26	Determinants of arterial spin labeling parameters and its association with cerebral small vessel disease and diagnostic groups. Alzheimer's and Dementia, 2021, 17, .	0.4	0
27	Automatic brain extraction using deep learning. Alzheimer's and Dementia, 2021, 17, .	0.4	0
28	Neuroimaging-derived phenotypes in the European Prevention of Alzheimer Dementia (EPAD) Cohort Study. Alzheimer's and Dementia, 2021, 17, .	0.4	0
29	The effects of intracranial stenosis on cerebral perfusion and cognitive performance. Alzheimer's and Dementia, 2021, 17, .	0.4	0
30	Differential gray matter connectivity correlates of CSF biomarkers: Results from the EPAD Cohort. Alzheimer's and Dementia, 2021, 17, .	0.4	0
31	Cortical microinfarcts in memory clinic patients are associated with reduced cerebral perfusion. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 1869-1878.	2.4	30
32	Operationalization of the ATN classification scheme in preclinical AD: Findings from EPAD V500.0 data release. Alzheimer's and Dementia, 2020, 16, e037912.	0.4	0
33	ExploreQC: A toolbox for MRI quality control in the EPAD multicentre study. Alzheimer's and Dementia, 2020, 16, e041952.	0.4	0
34	Amyloid-dependent association of grey matter network disruptions with phospho-tau in preclinical Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, e044739.	0.4	0
35	ExploreASL: An image processing pipeline for multi-center ASL perfusion MRI studies. NeuroImage, 2020, 219, 117031.	2.1	80
36	Accurate MR Image Registration to Anatomical Reference Space for Diffuse Glioma. Frontiers in Neuroscience, 2020, 14, 585.	1.4	25

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37	Cognitive Improvement After Kidney Transplantation Is Associated With Structural and Functional Changes on MRI. Transplantation Direct, 2020, 6, e531.	0.8	11
38	Spatial coefficient of variation of arterial spin labeling MRI as a cerebrovascular correlate of carotid occlusive disease. PLoS ONE, 2020, 15, e0229444.	1.1	10
39	Cerebral oxygen metabolism in adults with sickle cell disease. American Journal of Hematology, 2020, 95, 401-412.	2.0	31
40	The association between frailty and MRI features of cerebral small vessel disease. Scientific Reports, 2019, 9, 11343.	1.6	38
41	Aortic valve calcification volumes and chronic brain infarctions in patients undergoing transcatheter aortic valve implantation. International Journal of Cardiovascular Imaging, 2019, 35, 2123-2133.	0.7	12
42	Late-life brain perfusion after prenatal famine exposure. Neurobiology of Aging, 2019, 82, 1-9.	1.5	10
43	Classifying cognitive impairment based on the spatial heterogeneity of cerebral blood flow images. Journal of Magnetic Resonance Imaging, 2019, 50, 858-867.	1.9	14
44	Haunted by the past: old emotions remain salient in insomnia disorder. Brain, 2019, 142, 1783-1796.	3.7	46
45	Cerebral perfusion changes in presymptomatic genetic frontotemporal dementia: a GENFI study. Brain, 2019, 142, 1108-1120.	3.7	41
46	Dose-dependent effects of the selective serotonin reuptake inhibitor citalopram: A combined SPECT and phMRI study. Journal of Psychopharmacology, 2019, 33, 660-669.	2.0	6
47	Added value of arterial spin labeling magnetic resonance imaging in pediatric neuroradiology: pitfalls and applications. Pediatric Radiology, 2019, 49, 245-253.	1.1	13
48	Cerebral blood flow changes after a day of wake, sleep, and sleep deprivation. NeuroImage, 2019, 186, 497-509.	2.1	64
49	Hemodynamic provocation with acetazolamide shows impaired cerebrovascular reserve in adults with sickle cell disease. Haematologica, 2019, 104, 690-699.	1.7	40
50	No Evidence for Accelerated Aging-Related Brain Pathology in Treated Human Immunodeficiency Virus: Longitudinal Neuroimaging Results From the Comorbidity in Relation to AIDS (COBRA) Project. Clinical Infectious Diseases, 2018, 66, 1899-1909.	2.9	86
51	Photon vs. proton radiochemotherapy: Effects on brain tissue volume and perfusion. Radiotherapy and Oncology, 2018, 128, 121-127.	0.3	48
52	Intracranial 4D flow magnetic resonance imaging reveals altered haemodynamics in sickle cell disease. British Journal of Haematology, 2018, 180, 432-442.	1.2	14
53	Variability of physiological brain perfusion in healthy subjects â€" A systematic review of modifiers. Considerations for multi-center ASL studies. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 1418-1437.	2.4	84
54	Comparison of arterial spin labeling registration strategies in the multiâ€center GENetic frontotemporal dementia initiative (GENFI). Journal of Magnetic Resonance Imaging, 2018, 47, 131-140.	1.9	41

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55	P1â€401: INVESTIGATING ARTERIAL SPIN LABELING AS A LARGE VESSEL CORRELATE OF SVD, AD, AND PD. Alzheimer's and Dementia, 2018, 14, P456.	0.4	3
56	A visual quality control scale for clinical arterial spin labeling images. European Radiology Experimental, 2018, 2, 45.	1.7	12
57	P3â€422: PROTOCOL HARMONISATION AND INâ€VIVO COMPARISON OF ARTERIAL SPIN LABELLING PERFUSION MRI FOR MULTICENTER CLINICAL TRIALS. Alzheimer's and Dementia, 2018, 14, P1269.	0.4	0
58	Cerebrovascular Reactivity during Prolonged Breath-Hold in Experienced Freedivers. American Journal of Neuroradiology, 2018, 39, 1839-1847.	1.2	7
59	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
60	Cerebral blood flow and predictors of white matter lesions in adults with Tetralogy of Fallot. , 2018, 2018, 1309-1312.		3
61	Investigating the origin and evolution of cerebral small vessel disease: The RUN DMC â€" InTENse study. European Stroke Journal, 2018, 3, 369-378.	2.7	14
62	Impact of Structural Cerebral Damage in Adults With Tetralogy of Fallot. Circulation, 2017, 135, 1873-1875.	1.6	6
63	The spatial coefficient of variation in arterial spin labeling cerebral blood flow images. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 3184-3192.	2.4	76
64	The age-dependent effects of a single-dose methylphenidate challenge on cerebral perfusion in patients with attention-deficit/hyperactivity disorder. NeuroImage: Clinical, 2017, 13, 123-129.	1.4	13
65	[O2â€"01â€"06]: FRONTOâ€SUBCORTICAL HYPOPERFUSION IN PRESYMPTOMATIC FTD IS ASSOCIATED WITH BEHAVIORAL MEASURES, BUT NOT COGNITIVE DEFICITS: THE GENFI STUDY. Alzheimer's and Dementia, 2017, 13, P551.	0.4	0
66	532. Multimodal MRI Analysis of Medial Prefrontal Cortex and Cognitive Control in Adolescent Bipolar Disorder. Biological Psychiatry, 2017, 81, S215-S216.	0.7	0
67	Higher subcortical and white matter cerebral blood flow in perinatally HIV-infected children. Medicine (United States), 2017, 96, e5891.	0.4	26
68	Cerebral blood flow and cognitive function in HIV-infected men with sustained suppressed viremia on combination antiretroviral therapy. Aids, 2017, 31, 847-856.	1.0	24
69	[P1â€397]: A PROSPECTIVE OBSERVATIONAL STUDY INVESTIGATING CLINICAL RESPONSE TO CHOLINESTERASE INHIBITORS AND ASSOCIATION WITH CEREBRAL PERFUSION. Alzheimer's and Dementia, 2017, 13, P422.	0.4	0
70	Reduced Cerebrovascular Reserve Capacity in Adults with Sickle Cell Disease. Blood, 2017, 130, 972-972.	0.6	1
71	Quantitative agreement between [^{15}O]H$_2$O PET and model free QUASAR MRIâ€derived cerebral blood flow and arterial blood volume. NMR in Biomedicine, 2016, 29, 519-526.	1.6	10
72	Risk factor analysis of cerebral white matter hyperintensities in children with sickle cell disease. British Journal of Haematology, 2016, 172, 274-284.	1.2	25

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73	P1â€025: Cerebral Perfusion as an Imaging Biomarker of Presymptomatic Genetic Frontotemporal Dementia: Preliminary Results from the Genetic Frontotemporal Dementia Initiative (GENFI). Alzheimer's and Dementia, 2016, 12, P409.	0.4	0
74	Age-Dependent Effects of Methylphenidate on the Human Dopaminergic System in Young vs Adult Patients With Attention-Deficit/Hyperactivity Disorder. JAMA Psychiatry, 2016, 73, 955.	6.0	56
75	In Vivo T1 of Blood Measurements in Children with Sickle Cell Disease Improve Cerebral Blood Flow Quantification from Arterial Spin-Labeling MRI. American Journal of Neuroradiology, 2016, 37, 1727-1732.	1.2	37
76	White Matter Hyperintensity Volume and Cerebral Perfusion in Older Individuals with Hypertension Using Arterial Spin-Labeling. American Journal of Neuroradiology, 2016, 37, 1824-1830.	1.2	45
77	Cerebral injury in perinatally HIV-infected children compared to matched healthy controls. Neurology, 2016, 86, 19-27.	1.5	68
78	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
79	Cognitive impairment and associated loss in brain white microstructure in aircrew members exposed to engine oil fumes. Brain Imaging and Behavior, 2016, 10, 437-444.	1.1	19
80	Early-stage differentiation between presenile Alzheimerâ€™s disease and frontotemporal dementia using arterial spin labeling MRI. European Radiology, 2016, 26, 244-253.	2.3	61
81	Reproducibility of pharmacological ASL using sequences from different vendors: implications for multicenter drug studies. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2015, 28, 427-436.	1.1	9
82	Guideline treatment results in regression of atherosclerosis in type 2 diabetes mellitus. Diabetes and Vascular Disease Research, 2015, 12, 126-132.	0.9	4
83	Cerebral Lesions on 7 Tesla MRI in Patients with Sickle Cell Anemia. Cerebrovascular Diseases, 2015, 39, 181-189.	0.8	20
84	Multi-vendor reliability of arterial spin labeling perfusion MRI using a near-identical sequence: Implications for multi-center studies. NeuroImage, 2015, 113, 143-152.	2.1	72
85	Comparison of Velocity- and Acceleration-Selective Arterial Spin Labeling with [^{15}O]H$_2$O Positron Emission Tomography. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1296-1303.	2.4	24
86	Volume of white matter hyperintensities is an independent predictor of intelligence quotient and processing speed in children with sickle cell disease. British Journal of Haematology, 2015, 168, 553-556.	1.2	55
87	Quantitative Functional Arterial Spin Labeling (fASL) MRI â€" Sensitivity and Reproducibility of Regional CBF Changes Using Pseudo-Continuous ASL Product Sequences. PLoS ONE, 2015, 10, e0132929.	1.1	20
88	Cerebral Perfusion Measurements in Elderly with Hypertension Using Arterial Spin Labeling. PLoS ONE, 2015, 10, e0133717.	1.1	60
89	Accuracy and precision of pseudo-continuous arterial spin labeling perfusion during baseline and hypercapnia: A head-to-head comparison with 15O H2O positron emission tomography. NeuroImage, 2014, 92, 182-192.	2.1	133
90	Gray matter contamination in arterial spin labeling white matter perfusion measurements in patients with dementia. NeuroImage: Clinical, 2014, 4, 139-144.	1.4	32

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91	Volume of White Matter Hyperintensities Predicts Neurocognitive Functioning in Children with Sickle Cell Disease. Blood, 2014, 124, 2720-2720.	0.6	2
92	Inter-Vendor Reproducibility of Pseudo-Continuous Arterial Spin Labeling at 3 Tesla. PLoS ONE, 2014, 9, e104108.	1.1	66
93	Cerebral Small Vessel Disease In Patients With Sickle Cell Disease: Initial Findings With Ultra-High Field 7T MRI. Blood, 2013, 122, 1011-1011.	0.6	2
94	Diastolic Carotid Artery Wall Shear Stress Is Associated With Cerebral Infarcts and Periventricular White Matter Lesions. Stroke, 2011, 42, 3497-3501.	1.0	22
95	Improved viscosity modeling in patients with type 2 diabetes mellitus by accounting for enhanced red blood cell aggregation tendency. Clinical Hemorheology and Microcirculation, 2010, 44, 303-313.	0.9	7
96	A Beginner's Guide to Arterial Spin Labeling (ASL) Image Processing. Frontiers in Radiology, 0, 2, .	1.2	8