

Michael Jonathan Thrippleton

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,867
citations

279487

23
h-index

205818

48
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all docs

59
docs citations

59
times ranked

3804
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Cilostazol and Isosorbide Mononitrate on Cerebral Hemodynamics in the LACI-1 Randomized Controlled Trial. <i>Stroke</i> , 2022, 53, 29-33.	1.0	10
2	A daily temperature rhythm in the human brain predicts survival after brain injury. <i>Brain</i> , 2022, 145, 2031-2048.	3.7	47
3	Quantitative magnetization transfer imaging in relapsing-remitting multiple sclerosis: a systematic review and meta-analysis. <i>Brain Communications</i> , 2022, 4, .	1.5	11
4	General factors of white matter microstructure from DTI and NODDI in the developing brain. <i>NeuroImage</i> , 2022, 254, 119169.	2.1	15
5	Rationale and design of a longitudinal study of cerebral small vessel diseases, clinical and imaging outcomes in patients presenting with mild ischaemic stroke: Mild Stroke Study 3. <i>European Stroke Journal</i> , 2021, 6, 81-88.	2.7	17
6	Selective Motion Artefact Reduction via Radiomics and k-space Reconstruction for Improving Perivascular Space Quantification in Brain Magnetic Resonance Imaging. <i>Lecture Notes in Computer Science</i> , 2021, , 151-164.	1.0	1
7	Zooming in on cerebral small vessel function in small vessel diseases with 7T MRI: Rationale and design of the "ZOOM@SVDs" study. <i>Cerebral Circulation - Cognition and Behavior</i> , 2021, 2, 100013.	0.4	8
8	A four-dimensional computational model of dynamic contrast-enhanced magnetic resonance imaging measurement of subtle blood-brain barrier leakage. <i>NeuroImage</i> , 2021, 230, 117786.	2.1	15
9	Sources of systematic error in DCE-MRI estimation of low-level blood-brain barrier leakage. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1888-1903.	1.9	21
10	A Comparison of CVR Magnitude and Delay Assessed at 1.5 and 3T in Patients With Cerebral Small Vessel Disease. <i>Frontiers in Physiology</i> , 2021, 12, 644837.	1.3	9
11	The prevalence of paramagnetic rim lesions in multiple sclerosis: A systematic review and meta-analysis. <i>PLoS ONE</i> , 2021, 16, e0256845.	1.1	27
12	Relationship between inferior frontal sulcal hyperintensities on brain MRI, ageing and cerebral small vessel disease. <i>Neurobiology of Aging</i> , 2021, 106, 130-138.	1.5	5
13	Imaging neurovascular, endothelial and structural integrity in preparation to treat small vessel diseases. The INVESTIGATE-SVDs study protocol. Part of the SVDs@Target project. <i>Cerebral Circulation - Cognition and Behavior</i> , 2021, 2, 100020.	0.4	8
14	Tracer kinetic assessment of blood-brain barrier leakage and blood volume in cerebral small vessel disease: Associations with disease burden and vascular risk factors. <i>NeuroImage: Clinical</i> , 2021, 32, 102883.	1.4	7
15	Small vessel disease is associated with altered cerebrovascular pulsatility but not resting cerebral blood flow. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 85-99.	2.4	77
16	Interleukin-8 dysregulation is implicated in brain dysmaturation following preterm birth. <i>Brain, Behavior, and Immunity</i> , 2020, 90, 311-318.	2.0	24
17	Intracranial hemodynamic relationships in patients with cerebral small vessel disease. <i>Neurology</i> , 2020, 94, e2258-e2269.	1.5	86
18	Peak Width of Skeletonized Water Diffusion MRI in the Neonatal Brain. <i>Frontiers in Neurology</i> , 2020, 11, 235.	1.1	17

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19	Impact of preterm birth on brain development and long-term outcome: protocol for a cohort study in Scotland. <i>BMJ Open</i> , 2020, 10, e035854.	0.8	34
20	Relationship Between Venules and Perivascular Spaces in Sporadic Small Vessel Diseases. <i>Stroke</i> , 2020, 51, 1503-1506.	1.0	20
21	A Framework for Jointly Assessing and Reducing Imaging Artefacts Automatically Using Texture Analysis and Total Variation Optimisation for Improving Perivascular Spaces Quantification in Brain Magnetic Resonance Imaging. <i>Communications in Computer and Information Science</i> , 2020, , 171-183.	0.4	4
22	Neonatal morphometric similarity mapping for predicting brain age and characterizing neuroanatomic variation associated with preterm birth. <i>NeuroImage: Clinical</i> , 2020, 25, 102195.	1.4	41
23	Tolerability, safety and intermediary pharmacological effects of cilostazol and isosorbide mononitrate, alone and combined, in patients with lacunar ischaemic stroke: The LACunar Intervention-1 (LACI-1) trial, a randomised clinical trial. <i>EClinicalMedicine</i> , 2019, 11, 34-43.	3.2	36
24	Quantifying blood-brain barrier leakage in small vessel disease: Review and consensus recommendations. <i>Alzheimer's and Dementia</i> , 2019, 15, 840-858.	0.4	134
25	Harmonizing brain magnetic resonance imaging methods for vascular contributions to neurodegeneration. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 191-204.	1.2	65
26	MRI Relaxometry for Quantitative Analysis of USPIO Uptake in Cerebral Small Vessel Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 776.	1.8	10
27	MRI measurement of blood-brain barrier leakage: minding the gaps. <i>Journal of Physiology</i> , 2019, 597, 667-668.	1.3	5
28	Cerebrovascular reactivity measurement in cerebral small vessel disease: Rationale and reproducibility of a protocol for MRI acquisition and image processing. <i>International Journal of Stroke</i> , 2018, 13, 195-206.	2.9	47
29	Preventing cognitive decline and dementia from cerebral small vessel disease: The LACI-1 Trial. Protocol and statistical analysis plan of a phase IIa dose escalation trial testing tolerability, safety and effect on intermediary endpoints of isosorbide mononitrate and cilostazol, separately and in combination. <i>International Journal of Stroke</i> , 2018, 13, 530-538.	2.9	22
30	Direct Estimation of Pharmacokinetic Parameters from DCE-MRI Using Deep CNN with Forward Physical Model Loss. <i>Lecture Notes in Computer Science</i> , 2018, , 39-47.	1.0	16
31	How does blood regulate cerebral temperatures during hypothermia?. <i>Scientific Reports</i> , 2018, 8, 7877.	1.6	19
32	Convolutional Neural Networks for Direct Inference of Pharmacokinetic Parameters: Application to Stroke Dynamic Contrast-Enhanced MRI. <i>Frontiers in Neurology</i> , 2018, 9, 1147.	1.1	43
33	Integrity of normal-appearing white matter: Influence of age, visible lesion burden and hypertension in patients with small-vessel disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 644-656.	2.4	147
34	Advanced Neuroimaging of Cerebral Small Vessel Disease. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2017, 19, 56.	0.4	55
35	White matter hyperintensity reduction and outcomes after minor stroke. <i>Neurology</i> , 2017, 89, 1003-1010.	1.5	120
36	Blood-brain barrier failure as a core mechanism in cerebral small vessel disease and dementia: evidence from a cohort study. <i>Alzheimer's and Dementia</i> , 2017, 13, 634-643.	0.4	190

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37	Variance components associated with long-echo-time MR spectroscopic imaging in human brain at 1.5T and 3T. PLoS ONE, 2017, 12, e0189872.	1.1	1
38	Cerebral blood flow in small vessel disease: A systematic review and meta-analysis. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1653-1667.	2.4	223
39	Tracer kinetic modelling for DCE-MRI quantification of subtle blood-brain barrier permeability. NeuroImage, 2016, 125, 446-455.	2.1	138
40	Rationale, design and methodology of the image analysis protocol for studies of patients with cerebral small vessel disease and mild stroke. Brain and Behavior, 2015, 5, e00415.	1.0	65
41	Proton spectroscopic imaging of brain metabolites in basal ganglia of healthy older adults. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2015, 28, 251-257.	1.1	4
42	Reliability of MRSI brain temperature mapping at 1.5 and 3 T. NMR in Biomedicine, 2014, 27, 183-190.	1.6	33
43	Assessment of blood-brain barrier disruption using dynamic contrast-enhanced MRI. A systematic review. NeuroImage: Clinical, 2014, 6, 262-274.	1.4	285
44	Suppression of strong coupling artefacts in J-spectra. Journal of Magnetic Resonance, 2005, 174, 97-109.	1.2	99
45	A fast method for the measurement of diffusion coefficients: one-dimensional DOSY. Magnetic Resonance in Chemistry, 2003, 41, 441-447.	1.1	81
46	Elimination of Zero-Quantum Interference in Two-Dimensional NMR Spectra. Angewandte Chemie - International Edition, 2003, 42, 3938-3941.	7.2	382
47	Single-scan longitudinal relaxation measurements in high-resolution NMR spectroscopy. Journal of Magnetic Resonance, 2003, 164, 321-328.	1.2	63
48	Rationale and design of the brain magnetic resonance imaging protocol for FutureMS: a longitudinal multi-centre study of newly diagnosed patients with relapsing-remitting multiple sclerosis in Scotland. Wellcome Open Research, 0, 7, 94.	0.9	6