Laura M Parkes

List of Publications by Year
in descending order

75	6,105	117453	98622
papers	citations	34 h-index	67 g-index

78	78	78	8474
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	<scp>Neuromelaninâ€MRI</scp> to Quantify and Track Nigral Depigmentation in Parkinson's Disease: A Multicenter Longitudinal Study Using Templateâ€Based Standardized Analysis. Movement Disorders, 2022, 37, 1028-1039.	2.2	12
2	Neuroanatomical correlates of working memory performance in Neurofibromatosis 1. Cerebral Cortex Communications, 2022, 3, .	0.7	0
3	Quantitative kinetic modelling and mapping of cerebral glucose transport and metabolism using glucoCESL MRI. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 2066-2079.	2.4	1
4	Optimization of quantitative susceptibility mapping for regional estimation of oxygen extraction fraction in the brain. Magnetic Resonance in Medicine, 2021, 86, 1314-1329.	1.9	5
5	Alzheimer's disease pathology is associated with earlier alterations to bloodâ€“brain barrier water permeability compared with healthy ageing in TgF344â€AD rats. NMR in Biomedicine, 2021, 34, e4510.	1.6	20
6	Sources of systematic error in DCEâ€MRI estimation of lowâ€level bloodâ€brain barrier leakage. Magnetic Resonance in Medicine, 2021, 86, 1888-1903.	1.9	21
7	A Systematic Review of Glucose Transport Alterations in Alzheimer's Disease. Frontiers in Neuroscience, 2021, 15, 626636.	1.4	59
8	Protocol for DexEnceph: a randomised controlled trial of dexamethasone therapy in adults with herpes simplex virus encephalitis. BMJ Open, 2021, 11, e041808.	0.8	12
9	International Multicenter Analysis of Brain Structure Across Clinical Stages of Parkinson's Disease. Movement Disorders, 2021, 36, 2583-2594.	2.2	54
10	Mechanisms of Network Changes in Cognitive Impairment in Multiple Sclerosis. Neurology, 2021, 97, e1886-e1897.	1.5	18
11	Characterisation of microvessel blood velocity and segment length in the brain using multi-diffusion-time diffusion-weighted MRI. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 0271678X2097852.	2.4	3
12	Measuring water exchange across the blood-brain barrier using MRI. Progress in Nuclear Magnetic Resonance Spectroscopy, 2020, 116, 19-39.	3.9	49
13	Seizures in the context of occult cerebrovascular disease. Epilepsy and Behavior, 2020, 104, 106396.	0.9	11
14	Number of subjects required in common study designs for functional GABA magnetic resonance spectroscopy in the human brain at 3 Tesla. European Journal of Neuroscience, 2020, 51, 1784-1793.	1.2	9
15	GABA Modulates Frequency-Dependent Plasticity in Humans. IScience, 2020, 23, 101657.	1.9	7
16	Bloodâ€“Brain Barrier Leakage Is Increased in Parkinsonâ€™s Disease. Frontiers in Physiology, 2020, 11, 593026.	1.3	107
17	Evaluation of the Benefit of Partial Volume Correction for High Resolution PET Scanners. , 2019, , .		0
18	Water-exchange MRI detects subtle blood-brain barrier breakdown in Alzheimer's disease rats. NeuroImage, 2019, 184, 349-358.	2.1	52

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19	Identification of memory reactivation during sleep by EEG classification. NeuroImage, 2018, 176, 203-214.	2.1	50
20	Extracranial arterial wall volume is increased and shows relationships with vascular MRI measures in idiopathic Parkinsonâ€™s disease. Clinical Neurology and Neurosurgery, 2018, 167, 54-58.	0.6	3
21	Randomised controlled trial of simvastatin treatment for autism in young children with neurofibromatosis type 1 (SANTA). Molecular Autism, 2018, 9, 12.	2.6	52
22	Assessing Inflammation in Acute Intracerebral Hemorrhage with PK11195 PET and Dynamic Contrast-Enhanced MRI. , 2018, 28, 158-161.		15
23	Enzyme replacement therapy and white matter hyperintensity progression in Fabry disease. Neurology, 2018, 91, e1413-e1422.	1.5	13
24	Quantification of GABA, glutamate and glutamine in a single measurement at 3ÂT using GABAâ€edited MEGAâ€PRESS. NMR in Biomedicine, 2018, 31, e3847.	1.6	58
25	Arterial spin labelling shows functional depression of non-lesion tissue in chronic Wernicke's aphasia. Cortex, 2017, 92, 249-260.	1.1	17
26	Structural and physiological neurovascular changes in idiopathic Parkinsonâ€™s disease and its clinical phenotypes. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 3409-3421.	2.4	50
27	Evidence for frequency-dependent cortical plasticity in the human brain. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8871-8876.	3.3	17
28	Quantification of glutathione in the human brain by <scp>MR</scp> spectroscopy at 3 <scp>T</scp>esla: Comparison of <scp>PRESS</scp> and <scp>MEGAâ€PRESS</scp>. Magnetic Resonance in Medicine, 2017, 78, 1257-1266.	1.9	44
29	A Feasibility Study of Quantifying Longitudinal Brain Changes in Herpes Simplex Virus (HSV) Encephalitis Using Magnetic Resonance Imaging (MRI) and Stereology. PLoS ONE, 2017, 12, e0170215.	1.1	5
30	Validation of a realistic simulation of the HRRT using SimSET. , 2017, , .		1
31	Cued Reactivation of Motor Learning during Sleep Leads to Overnight Changes in Functional Brain Activity and Connectivity. PLoS Biology, 2016, 14, e1002451.	2.6	74
32	Quantitative measurement of blood flow in paediatric brain tumoursâ€”a comparative study of dynamic susceptibility contrast and multi time-point arterial spin labelled MRI. British Journal of Radiology, 2016, 89, 20150624.	1.0	15
33	The Interleukin-1 Balance During Encephalitis Is Associated With Clinical Severity, Blood-Brain Barrier Permeability, Neuroimaging Changes, and Disease Outcome. Journal of Infectious Diseases, 2016, 213, 1651-1660.	1.9	55
34	Cortical Resonance Frequencies Emerge from Network Size and Connectivity. PLoS Computational Biology, 2016, 12, e1004740.	1.5	39
35	Validation of High-Resolution Tractography AgainstIn VivoTracing in the Macaque Visual Cortex. Cerebral Cortex, 2015, 25, 4299-4309.	1.6	101
36	Dual-echo fMRI can detect activations in inferior temporal lobe during intelligible speech comprehension. NeuroImage, 2015, 122, 214-221.	2.1	33

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37	Recommended implementation of arterial spinâ€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.	1.9	19
38	Recommended implementation of arterial spinâ€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.	1.9	1,663
39	Structural and physiological MRI correlates of occult cerebrovascular disease in late-onset epilepsy. NeuroImage: Clinical, 2015, 9, 128-133.	1.4	26
40	Cued Memory Reactivation during Slow-Wave Sleep Promotes Explicit Knowledge of a Motor Sequence. Journal of Neuroscience, 2014, 34, 15870-15876.	1.7	80
41	Systemic Inflammation Impairs Tissue Reperfusion Through Endothelin-Dependent Mechanisms in Cerebral Ischemia. Stroke, 2014, 45, 3412-3419.	1.0	42
42	Arterial spin labelling reveals prolonged arterial arrival time in idiopathic Parkinson's disease. NeuroImage: Clinical, 2014, 6, 1-8.	1.4	62
43	Late-Onset Epilepsy and Occult Cerebrovascular Disease. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 564-570.	2.4	42
44	Effect of thyroxine on brain microstructure in extremely premature babies: magnetic resonance imaging findings in the TIPIT study. Pediatric Radiology, 2014, 44, 987-996.	1.1	11
45	A comparison of dual gradientâ€echo and spinâ€echo fMRI of the inferior temporal lobe. Human Brain Mapping, 2014, 35, 4118-4128.	1.9	124
46	Re-wiring the brain: Increased functional connectivity within primary somatosensory cortex following synchronous co-activation. NeuroImage, 2014, 92, 19-26.	2.1	20
47	Prevalence and subtypes of radiological cerebrovascular disease in late-onset isolated seizures and epilepsy. Clinical Neurology and Neurosurgery, 2013, 115, 591-596.	0.6	50
48	The Effect of Black Tea and Caffeine on Regional Cerebral Blood Flow Measured with Arterial Spin Labeling. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 963-968.	2.4	46
49	Impact of Gas Delivery Systems on Imaging Studies of Human Cerebral Blood Flow. Radiology Research and Practice, 2013, 2013, 1-5.	0.6	1
50	Premotor Cortex Is Sensitive to Auditoryâ€“Visual Congruence for Biological Motion. Journal of Cognitive Neuroscience, 2012, 24, 575-587.	1.1	24
51	The effect of sex and handedness on white matter anisotropy: a diffusion tensor magnetic resonance imaging study. Neuroscience, 2012, 207, 227-242.	1.1	50
52	Calibrated fMRI during a cognitive Stroop task reveals reduced metabolic response with increasing age. NeuroImage, 2012, 59, 1143-1151.	2.1	73
53	Multivoxel Pattern Analysis Using Information-Preserving EMD. Lecture Notes in Computer Science, 2012, , 19-26.	1.0	0
54	Plasticity of the Superior and Middle Cerebellar Peduncles in Musicians Revealed by Quantitative Analysis of Volume and Number of Streamlines Based on Diffusion Tensor Tractography. Cerebellum, 2011, 10, 611-623.	1.4	35

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55	Increased gray matter volume of left pars opercularis in male orchestral musicians correlate positively with years of musical performance. Journal of Magnetic Resonance Imaging, 2011, 33, 24-32.	1.9	37
56	Reproducibility of functional MRI localization within the human somatosensory cortex. Journal of Magnetic Resonance Imaging, 2011, 34, 1439-1444.	1.9	11
57	Occult Cerebrovascular Disease and Late-Onset Epilepsy: Could Loss of Neurovascular Unit Integrity Be a Viable Model?. Cardiovascular Psychiatry and Neurology, 2011, 2011, 1-7.	0.8	17
58	Unique hues. , 2011, , 445-456.		3
59	A multimodal brain imaging study of repetition suppression in the human visual cortex. NeuroImage, 2010, 49, 1612-1621.	2.1	12
60	Depressive Disorders: Focally Altered Cerebral Perfusion Measured with Arterial Spin-labeling MR Imaging. Radiology, 2009, 251, 476-484.	3.6	106
61	Regional corpus callosum morphometry: Effect of field strength and pulse sequence. Journal of Magnetic Resonance Imaging, 2009, 30, 1184-1190.	1.9	3
62	Multivoxel fMRI analysis of color tuning in human primary visual cortex. Journal of Vision, 2009, 9, 1-1.	0.1	76
63	Quantitative fMRI using hyperoxia calibration: Reproducibility during a cognitive Stroop task. NeuroImage, 2009, 47, 573-580.	2.1	25
64	Cobalt nanoparticles as a novel magnetic resonance contrast agentâ€"relaxivities at 1.5 and 3 Tesla. Contrast Media and Molecular Imaging, 2008, 3, 150-156.	0.4	92
65	TIPIT: A randomised controlled trial of thyroxine in preterm infants under 28 weeks gestation: Magnetic Resonance Imaging and Magnetic Resonance Angiography protocol. BMC Pediatrics, 2008, 8, 26.	0.7	4
66	Inability to directly detect magnetic field changes associated with neuronal activity. Magnetic Resonance in Medicine, 2007, 57, 411-416.	1.9	62
67	Combining EEG and fMRI to investigate the post-movement beta rebound. NeuroImage, 2006, 29, 685-696.	2.1	130
68	Localizing human visual gamma-band activity in frequency, time and space. NeuroImage, 2006, 29, 764-773.	2.1	439
69	Quantification of cerebral perfusion using arterial spin labeling: Two-compartment models. Journal of Magnetic Resonance Imaging, 2005, 22, 732-736.	1.9	64
70	Quantifying the spatial resolution of the gradient echo and spin echo BOLD response at 3 Tesla. Magnetic Resonance in Medicine, 2005, 54, 1465-1472.	1.9	163
71	Normal cerebral perfusion measurements using arterial spin labeling: Reproducibility, stability, and age and gender effects. Magnetic Resonance in Medicine, 2004, 51, 736-743.	1.9	395
72	Reduced BOLD response to periodic visual stimulation. NeuroImage, 2004, 21, 236-243.	2.1	43

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73	Improved accuracy of human cerebral blood perfusion measurements using arterial spin labeling: Accounting for capillary water permeability. Magnetic Resonance in Medicine, 2002, 48, 27-41.	1.9	181
74	Compulsory averaging of crowded orientation signals in human vision. Nature Neuroscience, 2001, 4, 739-744.	7.1	787
75	ASL: Blood Perfusion Measurements Using Arterial Spin Labelling. , 0, , 455-473.		4