Risto A Kauppinen

List of Publications by Year
in descending order

#	Article	IF	Citations
1	T2 heterogeneity as an in vivo marker of microstructural integrity in medial temporal lobe subfields in ageing and mild cognitive impairment. NeuroImage, 2021, 238, 118214.	4.2	1
2	Accelerated long-term forgetting in healthy older adults predicts cognitive decline over 1Âyear. Alzheimer's Research and Therapy, 2020, 12, 119.	6.2	17
3	A Comparison of T2 Relaxation-Based MRI Stroke Timing Methods in Hyperacute Ischemic Stroke Patients: A Pilot Study. Journal of Central Nervous System Disease, 2020, 12, 117957352094331.	1.9	6
4	T2 heterogeneity: a novel marker of microstructural integrity associated with cognitive decline in people with mild cognitive impairment. Alzheimer's Research and Therapy, 2020, 12, 105.	6.2	16
5	Prospective memory in prodromal Alzheimer's disease: Real world relevance and correlations with cortical thickness and hippocampal subfield volumes. NeuroImage: Clinical, 2020, 26, 102226.	2.7	7
6	Determining T2 relaxation time and stroke onset relationship in ischaemic stroke within apparent diffusion coefficient-defined lesions. A user-independent method for quantifying the impact of stroke in the human brain. Biomedical Spectroscopy and Imaging, 2019, 8, 11-28.	1.2	4
7	Quantifying <i>T</i> ₂ relaxation time changes within lesions defined by apparent diffusion coefficient in grey and white matter in acute stroke patients. Physics in Medicine and Biology, 2019, 64, 095016.	3.0	4
8	T2 Relaxometry and Diffusion Tensor Indices of the Hippocampus and Entorhinal Cortex Improve Sensitivity and Specificity of MRI to Detect Amnestic Mild Cognitive Impairment and Alzheimer's Disease Dementia. Journal of Magnetic Resonance Imaging, 2019, 49, 445-455.	3.4	30
9	Cerebral White Matter Maturation Patterns in Preterm Infants: An MRI T2 Relaxation Anisotropy and Diffusion Tensor Imaging Study. Journal of Neuroimaging, 2018, 28, 86-94.	2.0	25
10	Computed tomographyâ€“based acute stroke lesion timing and patient stratification. Annals of Neurology, 2017, 81, 609-609.	5.3	1
11	Magnetic Resonance Relaxation Anisotropy: Physical Principles and Uses in Microstructure Imaging. Biophysical Journal, 2017, 112, 1517-1528.	0.5	26
12	The impact of ageing reveals distinct roles for human dentate gyrus and CA3 in pattern separation and object recognition memory. Scientific Reports, 2017, 7, 14069.	3.3	48
13	A Magnetic Resonance Imaging Protocol for Stroke Onset Time Estimation in Permanent Cerebral Ischemia. Journal of Visualized Experiments, 2017, 2017, .	0.3	14
14	Determining Stroke Onset Time Using Quantitative MRI: High Accuracy, Sensitivity and Specificity Obtained from Magnetic Resonance Relaxation Times. Cerebrovascular Diseases Extra, 2017, 6, 60-65.	1.5	4
15	Stroke onset time determination using MRI relaxation times without non-ischaemic reference in a rat stroke model. Biomedical Spectroscopy and Imaging, 2017, 6, 25-35.	1.2	10
16	Stroke onset time estimation from multispectral quantitative magnetic resonance imaging in a rat model of focal permanent cerebral ischemia. International Journal of Stroke, 2016, 11, 677-682.	5.9	11
17	Quantitative T1 and T2 MRI signal characteristics in the human brain: different patterns of MR contrasts in normal ageing. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 833-842.	2.0	20
18	Diffusion-mediated nuclear spin phase decoherence in cylindrically porous materials. Journal of Magnetic Resonance, 2016, 269, 1-12.	2.1	16

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19	A spatiotemporal theory for MRI T2 relaxation time and apparent diffusion coefficient in the brain during acute ischaemia: Application and validation in a rat acute stroke model. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1232-1243.	4.3	9
20	High frequency functional brain networks in neonates revealed by rapid acquisition resting state fMRI. Human Brain Mapping, 2015, 36, 2483-2494.	3.6	27
21	Timing the ischaemic stroke by 1H-MRI. NeuroReport, 2014, 25, 1180-1185.	1.2	13
22	Multiparametric magnetic resonance imaging of acute experimental brain ischaemia. Progress in Nuclear Magnetic Resonance Spectroscopy, 2014, 80, 12-25.	7.5	13
23	Cytoplasmic lipid droplets in nervous system tumour cell lines: Size and lipid species as analysed by 1H nuclear magnetic resonance spectroscopy. Biomedical Spectroscopy and Imaging, 2013, 2, 9-19.	1.2	1
24	Magnetic Resonance Imaging Reveals Slow-down of Global Cerebral Oxygen Metabolism in Multiple Sclerosis. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 401-402.	4.3	0
25	Estimation of the Onset Time of Cerebral Ischemia Using T _{1ï} and T ₂ MRI in Rats. Stroke, 2010, 41, 2335-2340.	2.0	55
26	Interrelations ofT1 and diffusion of water in acute cerebral ischemia of the rat. Magnetic Resonance in Medicine, 2000, 44, 833-839.	3.0	40
27	Early Detection of Irreversible Cerebral Ischemia in the Rat Using Dispersion of the Magnetic Resonance Imaging Relaxation Time, T1ï: Journal of Cerebral Blood Flow and Metabolism, 2000, 20, 1457-1466.	4.3	95