RenÃ©-Maxime Gracien

List of Publications by Year
in descending order

29 papers	578 citations	687363 13 h-index	677142 22 g-index
29 all docs	29 docs citations	29 times ranked	986 citing authors

#	Article	IF	Citations
1	How stable is quantitative MRI? â€“ Assessment of intra- and inter-scanner-model reproducibility using identical acquisition sequences and data analysis programs. NeuroImage, 2020, 207, 116364.	4.2	54
2	Changes and variability of proton density and T1 relaxation times in early multiple sclerosis: MRI markers of neuronal damage in the cerebral cortex. European Radiology, 2016, 26, 2578-2586.	4.5	42
3	Changes in brain functional connectivity patterns are driven by an individual lesion in MS: a resting-state fMRI study. Brain Imaging and Behavior, 2016, 10, 1117-1126.	2.1	39
4	Withinâ€lesion differences in quantitative MRI parameters predict contrast enhancement in multiple sclerosis. Journal of Magnetic Resonance Imaging, 2013, 38, 1454-1461.	3.4	37
5	Multimodal quantitative MRI assessment of cortical damage in relapsing-remitting multiple sclerosis. Journal of Magnetic Resonance Imaging, 2016, 44, 1600-1607.	3.4	37
6	Longitudinal changes of cortical microstructure in Parkinson's disease assessed with T1 relaxometry. NeuroImage: Clinical, 2017, 13, 405-414.	2.7	33
7	Multi-parametric quantitative MRI of normal appearing white matter in multiple sclerosis, and the effect of disease activity on T2. Brain Imaging and Behavior, 2017, 11, 744-753.	2.1	32
8	Assessment of cortical damage in early multiple sclerosis with quantitative T₂ relaxometry. NMR in Biomedicine, 2016, 29, 444-450.	2.8	31
9	Longitudinal cortical network reorganization in early relapsingâ€“remitting multiple sclerosis. Therapeutic Advances in Neurological Disorders, 2019, 12, 175628641983867.	3.5	26
10	Evaluation of brain ageing: a quantitative longitudinal MRI study over 7Âyears. European Radiology, 2017, 27, 1568-1576.	4.5	25
11	Multiparametric Quantitative MRI in Neurological Diseases. Frontiers in Neurology, 2021, 12, 640239.	2.4	25
12	Quantitative T₁ and proton density mapping with direct calculation of radiofrequency coil transmit and receive profiles from twoâ€point variable flip angle data. NMR in Biomedicine, 2016, 29, 349-360.	2.8	22
13	Longitudinal quantitative MRI assessment of cortical damage in multiple sclerosis: A pilot study. Journal of Magnetic Resonance Imaging, 2017, 46, 1485-1490.	3.4	22
14	Continuous reorganization of cortical information flow in multiple sclerosis: A longitudinal fMRI effective connectivity study. Scientific Reports, 2020, 10, 806.	3.3	17
15	Multimodal Quantitative MRI Reveals No Evidence for Tissue Pathology in Idiopathic Cervical Dystonia. Frontiers in Neurology, 2019, 10, 914.	2.4	14
16	Distribution of Cortical Diffusion Tensor Imaging Changes in Multiple Sclerosis. Frontiers in Physiology, 2020, 11, 116.	2.8	13
17	The Relationship between Gray Matter Quantitative MRI and Disability in Secondary Progressive Multiple Sclerosis. PLoS ONE, 2016, 11, e0161036.	2.5	13
18	Improved synthetic T1-weighted images for cerebral tissue segmentation in neurological diseases. Magnetic Resonance Imaging, 2019, 61, 158-166.	1.8	12

#	Article	IF	Citations
19	Cortical aging â€“ new insights with multiparametric quantitative MRI. Aging, 2020, 12, 16195-16210.	3.1	12
20	Cortical quantitative MRI parameters are related to the cognitive status in patients with relapsing-remitting multiple sclerosis. European Radiology, 2020, 30, 1045-1053.	4.5	10
21	Detection of cortical malformations using enhanced synthetic contrast images derived from quantitative T1 maps. NMR in Biomedicine, 2020, 33, e4203.	2.8	10
22	Cortical Changes in Epilepsy Patients With Focal Cortical Dysplasia: New Insights With <scp>T₂</scp> Mapping. Journal of Magnetic Resonance Imaging, 2020, 52, 1783-1789.	3.4	10
23	Improved Visualization of Focal Cortical Dysplasia With Surface-Based Multiparametric Quantitative MRI. Frontiers in Neuroscience, 2020, 14, 622.	2.8	10
24	T₂ relaxation time of the normal-appearing white matter is related to the cognitive status in cerebral small vessel disease. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 1767-1777.	4.3	9
25	Validation of automatic MRI hippocampal subfield segmentation by histopathological evaluation in patients with temporal lobe epilepsy. Seizure: the Journal of the British Epilepsy Association, 2021, 87, 94-102.	2.0	8
26	DSC perfusion-based collateral imaging and quantitative T2 mapping to assess regional recruitment of leptomeningeal collaterals and microstructural cortical tissue damage in unilateral steno-occlusive vasculopathy. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 67-81.	4.3	8
27	Comparison of two quantitative proton density mapping methods in multiple sclerosis. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2017, 30, 75-83.	2.0	4
28	Microstructural Alterations Analogous to Accelerated Aging of the Cerebral Cortex in Carotid Occlusive Disease. Clinical Neuroradiology, 2021, 31, 709-720.	1.9	3
29	Paraneoplastic cerebellar degeneration mimicking development of secondary progressive multiple sclerosis in a patient with relapsingâ€“remitting multiple sclerosis. Multiple Sclerosis Journal, 2011, 17, 498-500.	3.0	0