Laurent Lamalle

List of Publications by Year
in descending order

37 papers	**1,646** citations	361413 **20** h-index	330143 **37** g-index
37 all docs	**37** docs citations	**37** times ranked	**2328** citing authors

#	ARTICLE	IF	CITATIONS
1	Reconfiguration dynamics of a language-and-memory network in healthy participants and patients with temporal lobe epilepsy. NeuroImage: Clinical, 2021, 31, 102702.	2.7	12
2	TractLearn: A geodesic learning framework for quantitative analysis of brain bundles. NeuroImage, 2021, 233, 117927.	4.2	7
3	Hubs disruption in mesial temporal lobe epilepsy. A resting–state fMRI study on a language–and–memory network. Human Brain Mapping, 2020, 41, 779-796.	3.6	38
4	Autologous Mesenchymal Stem Cells Improve Motor Recovery in Subacute Ischemic Stroke: a Randomized Clinical Trial. Translational Stroke Research, 2020, 11, 910-923.	4.2	94
5	Characterization of inter-speaker articulatory variability: A two-level multi-speaker modelling approach based on MRI data. Journal of the Acoustical Society of America, 2019, 145, 2149-2170.	1.1	7
6	Track–weighted imaging for neuroretina: Evaluations in healthy volunteers and ischemic optic neuropathy. Journal of Magnetic Resonance Imaging, 2018, 48, 737-747.	3.4	12
7	Automatic segmentation of speech articulators from real-time midsagittal MRI based on supervised learning. Speech Communication, 2018, 99, 27-46.	2.8	25
8	Parietal operculum and motor cortex activities predict motor recovery in moderate to severe stroke. NeuroImage: Clinical, 2017, 14, 518-529.	2.7	23
9	The Central Bright Spot Sign: A Potential New MR Imaging Sign for the Early Diagnosis of Anterior Ischemic Optic Neuropathy due to Giant Cell Arteritis. American Journal of Neuroradiology, 2017, 38, 1411-1415.	2.4	25
10	Multiparametric Magnetic Resonance Investigation of Brain Adaptations to 6 Days at 4350 m. Frontiers in Physiology, 2016, 7, 393.	2.8	7
11	Refined modelling of the short-T2 signal component and ensuing detection of glutamate and glutamine in short-TE, localised, 1H MR spectra of human glioma measured at 3‰T. NMR in Biomedicine, 2016, 29, 943-951.	2.8	5
12	Parotid gland tumours: MR tractography to assess contact with the facial nerve. European Radiology, 2016, 26, 2233-2241.	4.5	33
13	Diffusion MRI: Pitfalls, literature review and future directions of research in mild traumatic brain injury. European Journal of Radiology, 2016, 85, 25-30.	2.6	42
14	Adaptive Coding of Orofacial and Speech Actions in Motor and Somatosensory Spaces with and without Overt Motor Behavior. Journal of Cognitive Neuroscience, 2015, 27, 334-351.	2.3	8
15	Recurrent peripheral vestibulopathy: Is MRI useful for the diagnosis of endolymphatic hydrops in clinical practice?. European Radiology, 2015, 25, 3043-3049.	4.5	46
16	BOLD fMRI of cerebrovascular reactivity in the middle cerebral artery territory: A 100 volunteers' study. Journal of Neuroradiology, 2015, 42, 338-344.	1.1	8
17	Cerebral Volumetric Changes Induced by Prolonged Hypoxic Exposure and Whole-Body Exercise. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1802-1809.	4.3	21
18	Shared and distinct neural correlates of vowel perception and production. Journal of Neurolinguistics, 2013, 26, 384-408.	1.1	28

#	Article	IF	Citations
19	Functional imaging of cerebral perfusion. Diagnostic and Interventional Imaging, 2013, 94, 1259-1278.	3.2	21
20	Changes in cerebral blood flow and vasoreactivity to CO2 measured by arterial spin labeling after 6days at 4350m. NeuroImage, 2013, 72, 272-279.	4.2	27
21	Levodopa does not change cerebral vasoreactivity in Parkinson's disease. Movement Disorders, 2013, 28, 469-475.	3.9	15
22	Effects of Emotionally-Rated Material on Visual Memory in Alzheimer's Disease in Relation to Medial Temporal Atrophy. Journal of Alzheimer's Disease, 2013, 36, 535-544.	2.6	18
23	Neural correlates of phonetic convergence and speech imitation. Frontiers in Psychology, 2013, 4, 600.	2.1	28
24	Functional MRI assessment of orofacial articulators: Neural correlates of lip, jaw, larynx, and tongue movements. Human Brain Mapping, 2012, 33, 2306-2321.	3.6	146
25	Abnormal cortical sensorimotor activity during â€œTargetâ€•sound detection in subjects with acute acoustic trauma sequelae: an fMRI study. Brain and Behavior, 2012, 2, 187-199.	2.2	23
26	Somatosensory-Motor Adaptation of Orofacial Actions in Posterior Parietal and Ventral Premotor Cortices. PLoS ONE, 2012, 7, e49117.	2.5	18
27	fMRI retinotopic mapping at 3 T: Benefits gained from correcting the spatial distortions due to static field inhomogeneity. Journal of Vision, 2010, 10, 30-30.	0.3	7
28	Short-TE localised ^{1}H MRS of the human brain at 3â€‰T: quantification of the metabolite signals using two approaches to account for macromolecular signal contributions. NMR in Biomedicine, 2008, 21, 507-517.	2.8	44
29	Glutamate measurement in Parkinson's disease using MRS at 3 T field strength. NMR in Biomedicine, 2007, 20, 757-762.	2.8	39
30	Improvedk-space trajectory measurement with signal shifting. Magnetic Resonance in Medicine, 2007, 58, 200-205.	3.0	27
31	Image, imagination, and reality: On effectiveness of introductory work with vocalists. Logopedics Phoniatrics Vocology, 2006, 31, 89-96.	1.0	7
32	Out-and-in spiral spectroscopic imaging in rat brain at 7 T. Magnetic Resonance in Medicine, 2003, 50, 1127-1133.	3.0	19
33	Methodology of brain perfusion imaging. Journal of Magnetic Resonance Imaging, 2001, 13, 496-520.	3.4	361
34	Rat lung MRI using low-temperature prepolarized helium-3. Magnetic Resonance in Medicine, 2001, 45, 1130-1133.	3.0	3
35	Xenon-129 MR imaging and spectroscopy of rat brain using arterial delivery of hyperpolarized xenon in a lipid emulsion. Magnetic Resonance in Medicine, 2001, 46, 208-212.	3.0	65
36	Vessel size imaging. Magnetic Resonance in Medicine, 2001, 45, 397-408.	3.0	310

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37	In vivo 129Xe NMR in rat brain during intra-arterial injection of hyperpolarized 129Xe dissolved in a lipid emulsion. Comptes Rendus De L'Acad©mie Des Sciences S©rie 3, Sciences De La Vie, 2000, 323, 529-536.	0.8	27