

Laurent Lamalle

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,646
citations

361296

20
h-index

330025

37
g-index

37
all docs

37
docs citations

37
times ranked

2328
citing authors

#	ARTICLE	IF	CITATIONS
1	Methodology of brain perfusion imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 496-520.	1.9	361
2	Vessel size imaging. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 397-408.	1.9	310
3	Functional MRI assessment of orofacial articulators: Neural correlates of lip, jaw, larynx, and tongue movements. <i>Human Brain Mapping</i> , 2012, 33, 2306-2321.	1.9	146
4	Autologous Mesenchymal Stem Cells Improve Motor Recovery in Subacute Ischemic Stroke: a Randomized Clinical Trial. <i>Translational Stroke Research</i> , 2020, 11, 910-923.	2.3	94
5	Xenon-129 MR imaging and spectroscopy of rat brain using arterial delivery of hyperpolarized xenon in a lipid emulsion. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 208-212.	1.9	65
6	Recurrent peripheral vestibulopathy: Is MRI useful for the diagnosis of endolymphatic hydrops in clinical practice?. <i>European Radiology</i> , 2015, 25, 3043-3049.	2.3	46
7	Short-TE localised ¹ H MRS of the human brain at 3T: quantification of the metabolite signals using two approaches to account for macromolecular signal contributions. <i>NMR in Biomedicine</i> , 2008, 21, 507-517.	1.6	44
8	Diffusion MRI: Pitfalls, literature review and future directions of research in mild traumatic brain injury. <i>European Journal of Radiology</i> , 2016, 85, 25-30.	1.2	42
9	Glutamate measurement in Parkinson's disease using MRS at 3 T field strength. <i>NMR in Biomedicine</i> , 2007, 20, 757-762.	1.6	39
10	Hubs disruption in mesial temporal lobe epilepsy. A resting-state fMRI study on a language and memory network. <i>Human Brain Mapping</i> , 2020, 41, 779-796.	1.9	38
11	Parotid gland tumours: MR tractography to assess contact with the facial nerve. <i>European Radiology</i> , 2016, 26, 2233-2241.	2.3	33
12	Shared and distinct neural correlates of vowel perception and production. <i>Journal of Neurolinguistics</i> , 2013, 26, 384-408.	0.5	28
13	Neural correlates of phonetic convergence and speech imitation. <i>Frontiers in Psychology</i> , 2013, 4, 600.	1.1	28
14	In vivo ¹²⁹ Xe NMR in rat brain during intra-arterial injection of hyperpolarized ¹²⁹ Xe dissolved in a lipid emulsion. <i>Comptes Rendus De L'Académie Des Sciences Série 3, Sciences De La Vie</i> , 2000, 323, 529-536.	0.8	27
15	Improved k-space trajectory measurement with signal shifting. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 200-205.	1.9	27
16	Changes in cerebral blood flow and vasoreactivity to CO ₂ measured by arterial spin labeling after 6 days at 4350m. <i>NeuroImage</i> , 2013, 72, 272-279.	2.1	27
17	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. <i>American Journal of Neuroradiology</i> , 2017, 38, 1411-1415.	1.2	25
18	Automatic segmentation of speech articulators from real-time midsagittal MRI based on supervised learning. <i>Speech Communication</i> , 2018, 99, 27-46.	1.6	25

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19	Abnormal cortical sensorimotor activity during "Target" sound detection in subjects with acute acoustic trauma sequelae: an fMRI study. <i>Brain and Behavior</i> , 2012, 2, 187-199.	1.0	23
20	Parietal operculum and motor cortex activities predict motor recovery in moderate to severe stroke. <i>NeuroImage: Clinical</i> , 2017, 14, 518-529.	1.4	23
21	Functional imaging of cerebral perfusion. <i>Diagnostic and Interventional Imaging</i> , 2013, 94, 1259-1278.	1.8	21
22	Cerebral Volumetric Changes Induced by Prolonged Hypoxic Exposure and Whole-Body Exercise. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1802-1809.	2.4	21
23	Out-and-in spiral spectroscopic imaging in rat brain at 7 T. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 1127-1133.	1.9	19
24	Effects of Emotionally-Rated Material on Visual Memory in Alzheimer's Disease in Relation to Medial Temporal Atrophy. <i>Journal of Alzheimer's Disease</i> , 2013, 36, 535-544.	1.2	18
25	Somatosensory-Motor Adaptation of Orofacial Actions in Posterior Parietal and Ventral Premotor Cortices. <i>PLoS ONE</i> , 2012, 7, e49117.	1.1	18
26	Levodopa does not change cerebral vasoreactivity in Parkinson's disease. <i>Movement Disorders</i> , 2013, 28, 469-475.	2.2	15
27	Track-weighted imaging for neuroretina: Evaluations in healthy volunteers and ischemic optic neuropathy. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 737-747.	1.9	12
28	Reconfiguration dynamics of a language-and-memory network in healthy participants and patients with temporal lobe epilepsy. <i>NeuroImage: Clinical</i> , 2021, 31, 102702.	1.4	12
29	Adaptive Coding of Orofacial and Speech Actions in Motor and Somatosensory Spaces with and without Overt Motor Behavior. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 334-351.	1.1	8
30	BOLD fMRI of cerebrovascular reactivity in the middle cerebral artery territory: A 100 volunteers study. <i>Journal of Neuroradiology</i> , 2015, 42, 338-344.	0.6	8
31	Image, imagination, and reality: On effectiveness of introductory work with vocalists. <i>Logopedics Phoniatrics Vocology</i> , 2006, 31, 89-96.	0.5	7
32	fMRI retinotopic mapping at 3 T: Benefits gained from correcting the spatial distortions due to static field inhomogeneity. <i>Journal of Vision</i> , 2010, 10, 30-30.	0.1	7
33	Multiparametric Magnetic Resonance Investigation of Brain Adaptations to 6 Days at 4350 m. <i>Frontiers in Physiology</i> , 2016, 7, 393.	1.3	7
34	Characterization of inter-speaker articulatory variability: A two-level multi-speaker modelling approach based on MRI data. <i>Journal of the Acoustical Society of America</i> , 2019, 145, 2149-2170.	0.5	7
35	TractLearn: A geodesic learning framework for quantitative analysis of brain bundles. <i>NeuroImage</i> , 2021, 233, 117927.	2.1	7
36	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 3T. <i>NMR in Biomedicine</i> , 2016, 29, 943-951.	1.6	5

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37	Rat lung MRI using low-temperature prepolarized helium-3. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 1130-1133.	1.9	3