

# Lars Michels

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8976424/publications.pdf>

Version: 2024-02-01

96  
papers

3,355  
citations

126907  
33  
h-index

175258  
52  
g-index

102  
all docs

102  
docs citations

102  
times ranked

5852  
citing authors

#	ARTICLE	IF	CITATIONS
1	Descending pain modulatory efficiency in healthy subjects is related to structure and resting connectivity of brain regions. <i>NeuroImage</i> , 2022, 247, 118742.	4.2	9
2	The impact of levamisole and alcohol on white matter microstructure in adult chronic cocaine users. <i>Addiction Biology</i> , 2022, 27, e13149.	2.6	8
3	Increased structural covariance in brain regions for number processing and memory in children with developmental dyscalculia. <i>Journal of Neuroscience Research</i> , 2022, 100, 522-536.	2.9	6
4	Long-Term Effects of Self-Administered Transcranial Direct Current Stimulation in Episodic Migraine Prevention: Results of a Randomized Controlled Trial. <i>Neuromodulation</i> , 2021, 24, 890-898.	0.8	21
5	Investigation of Cerebral White Matter Changes After Spinal Cord Injury With a Measure of Fiber Density. <i>Frontiers in Neurology</i> , 2021, 12, 598336.	2.4	3
6	Considering non-urological aetiologies of overactive bladder: a functional neuroimaging study. <i>BJU International</i> , 2021, 128, 586-597.	2.5	10
7	Structural brain network characteristics in patients with episodic and chronic migraine. <i>Journal of Headache and Pain</i> , 2021, 22, 8.	6.0	7
8	EEG-fMRI Signal Coupling Is Modulated in Subjects With Mild Cognitive Impairment and Amyloid Deposition. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 631172.	3.4	5
9	Supraspinal nociceptive networks in neuropathic pain after spinal cord injury. <i>Human Brain Mapping</i> , 2021, 42, 3733-3749.	3.6	19
10	Widespread White Matter Alterations in Patients With Visual Snow Syndrome. <i>Frontiers in Neurology</i> , 2021, 12, 723805.	2.4	10
11	Where in the Brain is the "Other Hand"? Mapping Dysfunctional Neural Networks in Somatoparaphrenia. <i>Neuroscience</i> , 2021, 476, 21-33.	2.3	7
12	Cluster Headache Pathophysiology: A Disorder of Network Excitability?. <i>Clinical and Translational Neuroscience</i> , 2021, 5, 16.	0.9	2
13	Automated volumetry of hippocampal subfields in temporal lobe epilepsy. <i>Epilepsy Research</i> , 2021, 175, 106692.	1.6	8
14	Tracking tDCS induced grey matter changes in episodic migraine: a randomized controlled trial. <i>Journal of Headache and Pain</i> , 2021, 22, 139.	6.0	6
15	Dimensions of pain catastrophising and specific structural and functional alterations in patients with chronic pain: Evidence in medication-overuse headache. <i>World Journal of Biological Psychiatry</i> , 2020, 21, 726-738.	2.6	9
16	Test-Retest Reliability of the Brain Metabolites GABA and Glx With JPRESS, PRESS, and MEGA-PRESS MRS Sequences in vivo at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1181-1191.	3.4	38
17	Visual snow syndrome: a review on diagnosis, pathophysiology, and treatment. <i>Current Opinion in Neurology</i> , 2020, 33, 74-78.	3.6	24
18	Neural Correlates of Stepping in Healthy Elderly: Parietal and Prefrontal Cortex Activation Reflects Cognitive-Motor Interference Effects. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 566735.	2.0	7

#	ARTICLE	IF	CITATIONS
19	Network-based fMRI-neurofeedback training of sustained attention. <i>NeuroImage</i> , 2020, 221, 117194.	4.2	36
20	Brain Activation During Visually Guided Finger Movements. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 309.	2.0	8
21	Abnormal Connectivity and Brain Structure in Patients With Visual Snow. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 582031.	2.0	33
22	Cortical Volume Differences in Subjects at Risk for Psychosis Are Driven by Surface Area. <i>Schizophrenia Bulletin</i> , 2020, 46, 1511-1519.	4.3	16
23	Voxel-Based Morphometry“from Hype to Hope. A Study on Hippocampal Atrophy in Mesial Temporal Lobe Epilepsy. <i>American Journal of Neuroradiology</i> , 2020, 41, 987-993.	2.4	8
24	Neuroimaging in Neuro-Urology. <i>European Urology Focus</i> , 2020, 6, 826-837.	3.1	11
25	Triple Network Model Dynamically Revisited: Lower Salience Network State Switching in Pre-psychosis. <i>Frontiers in Physiology</i> , 2020, 11, 66.	2.8	49
26	Magnetic Resonance Spectroscopy following Mild Traumatic Brain Injury: A Systematic Review and Meta-Analysis on the Potential to Detect Posttraumatic Neurodegeneration. <i>Neurodegenerative Diseases</i> , 2020, 20, 2-11.	1.4	18
27	Interictal Hyperperfusion in the Higher Visual Cortex in Patients With Episodic Migraine. <i>Headache</i> , 2019, 59, 1808-1820.	3.9	20
28	Shared neural mechanisms between imagined and perceived egocentric motion “ A combined GVS and fMRI study. <i>Cortex</i> , 2019, 119, 20-32.	2.4	10
29	Reliability of supraspinal correlates to lower urinary tract stimulation in healthy participants “ A fMRI study. <i>NeuroImage</i> , 2019, 191, 481-492.	4.2	13
30	Lateral geniculate nucleus volumetry at 3T and 7T: Four different optimized magnetic-resonance-imaging sequences evaluated against a 7T reference acquisition. <i>NeuroImage</i> , 2019, 186, 399-409.	4.2	9
31	Disentangling the Effects of Spinal Cord Injury and Related Neuropathic Pain on Supraspinal Neuroplasticity: A Systematic Review on Neuroimaging. <i>Frontiers in Neurology</i> , 2019, 10, 1413.	2.4	18
32	Cerebral blood flow in striatal regions is associated with apathy in patients with schizophrenia. <i>Journal of Psychiatry and Neuroscience</i> , 2019, 44, 102-110.	2.4	15
33	Combining monoenergetic extrapolations from dual-energy CT with iterative reconstructions: reduction of coil and clip artifacts from intracranial aneurysm therapy. <i>Neuroradiology</i> , 2018, 60, 281-291.	2.2	31
34	Functional hyperconnectivity vanishes in children with developmental dyscalculia after numerical intervention. <i>Developmental Cognitive Neuroscience</i> , 2018, 30, 291-303.	4.0	39
35	Movement disorders in genetically confirmed mitochondrial disease and the putative role of the cerebellum. <i>Movement Disorders</i> , 2018, 33, 146-155.	3.9	21
36	Neuroplastic Changes in Older Adults Performing Cooperative Hand Movements. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 488.	2.0	5

#	ARTICLE	IF	CITATIONS
37	Altered resting-state functional connectivity in children and adolescents born very preterm short title. <i>NeuroImage: Clinical</i> , 2018, 20, 1148-1156.	2.7	37
38	Age-dependent and -independent changes in attention-deficit/hyperactivity disorder (ADHD) during spatial working memory performance. <i>World Journal of Biological Psychiatry</i> , 2017, 18, 279-290.	2.6	14
39	Pain modulation is affected differently in medication-overuse headache and chronic myofascial pain “A multimodal MRI study. <i>Cephalalgia</i> , 2017, 37, 764-779.	3.9	29
40	Neural correlates of visuomotor adjustments during scaling of human finger movements. <i>European Journal of Neuroscience</i> , 2017, 46, 1717-1729.	2.6	2
41	Cortical Alterations in Medication“Overuse Headache. <i>Headache</i> , 2017, 57, 255-265.	3.9	16
42	Two dose investigation of the 5-HT-agonist psilocybin on relative and global cerebral blood flow. <i>NeuroImage</i> , 2017, 159, 70-78.	4.2	61
43	A novel infusion“drainage device to assess lower urinary tract function in neuro“imaging. <i>BJU International</i> , 2017, 119, 305-316.	2.5	5
44	Hippocampal shape alterations are associated with regional $\text{A}\beta^2$ load in cognitively normal elderly individuals. <i>European Journal of Neuroscience</i> , 2017, 45, 1241-1251.	2.6	9
45	Subcortical Shape Changes, Hippocampal Atrophy and Cortical Thinning in Future Alzheimer's Disease Patients. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 38.	3.4	43
46	Changes of Functional and Directed Resting-State Connectivity Are Associated with Neuronal Oscillations, ApoE Genotype and Amyloid Deposition in Mild Cognitive Impairment. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 304.	3.4	32
47	Effect of Error Augmentation on Brain Activation and Motor Learning of a Complex Locomotor Task. <i>Frontiers in Neuroscience</i> , 2017, 11, 526.	2.8	50
48	Virtual Hand Feedback Reduces Reaction Time in an Interactive Finger Reaching Task. <i>PLoS ONE</i> , 2016, 11, e0154807.	2.5	8
49	Baseline Perfusion Alterations Due to Acute Application of Quetiapine and Pramipexole in Healthy Adults. <i>International Journal of Neuropsychopharmacology</i> , 2016, 19, pyw067.	2.1	7
50	Low episodic memory performance in cognitively normal elderly subjects is associated with increased posterior cingulate gray matter N-acetylaspartate: a 1H MRSI study at 7T“Tesla. <i>Neurobiology of Aging</i> , 2016, 48, 195-203.	3.1	24
51	Differential neural encoding of sensorimotor and visual body representations. <i>Scientific Reports</i> , 2016, 6, 37259.	3.3	27
52	Design and Application of a New Automated Fluidic Visceral Stimulation Device for Human fMRI Studies of Interoception. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2016, 4, 1-12.	3.7	7
53	Arterial spin labeling imaging reveals widespread and $\text{A}\beta^2$ -independent reductions in cerebral blood flow in elderly apolipoprotein epsilon-4 carriers. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 581-595.	4.3	53
54	On the Modulation of Brain Activation During Simulated Weight Bearing in Supine Gait-Like Stepping. <i>Brain Topography</i> , 2016, 29, 193-205.	1.8	13

#	ARTICLE	IF	CITATIONS
55	Supraspinal Control of Urine Storage and Micturition in Men—An fMRI Study. <i>Cerebral Cortex</i> , 2015, 25, 3369-3380.	2.9	52
56	Test-retest reliability of fMRI experiments during robot-assisted active and passive stepping. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2015, 12, 102.	4.6	17
57	Volumetric and Shape Analysis of the Thalamus and Striatum in Amnesic Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2015, 49, 237-249.	2.6	17
58	Differential functional brain network connectivity during visceral interoception as revealed by independent component analysis of fMRI time-series. <i>Human Brain Mapping</i> , 2015, 36, 4438-4468.	3.6	55
59	Pre-stimulus BOLD-network activation modulates EEG spectral activity during working memory retention. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 111.	2.0	13
60	Effects of Steroid Hormones on Sex Differences in Cerebral Perfusion. <i>PLoS ONE</i> , 2015, 10, e0135827.	2.5	23
61	Subcortical Glutamate Mediates the Reduction of Short-Range Functional Connectivity with Age in a Developmental Cohort. <i>Journal of Neuroscience</i> , 2015, 35, 8433-8441.	3.6	41
62	Developmental changes in gamma-aminobutyric acid levels in attention-deficit/hyperactivity disorder. <i>Translational Psychiatry</i> , 2015, 5, e589-e589.	4.8	66
63	Role of the anterior insular cortex in integrative causal signaling during multisensory auditory—visual attention. <i>European Journal of Neuroscience</i> , 2015, 41, 264-274.	2.6	59
64	Posterior cingulate $\beta$ -aminobutyric acid and glutamate/glutamine are reduced in amnesic mild cognitive impairment and are unrelated to amyloid deposition and apolipoprotein E genotype. <i>Neurobiology of Aging</i> , 2015, 36, 53-59.	3.1	61
65	Neural Coupling of Cooperative Hand Movements: A Reflex and fMRI Study. <i>Cerebral Cortex</i> , 2015, 25, 948-958.	2.9	48
66	Frontal Midline Theta Reflects Individual Task Performance in a Working Memory Task. <i>Brain Topography</i> , 2015, 28, 127-134.	1.8	107
67	Symptom dimensions are associated with reward processing in unmedicated persons at risk for psychosis. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 382.	2.0	56
68	Brain activation associated with active and passive lower limb stepping. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 828.	2.0	56
69	Protocol for a prospective neuroimaging study investigating the supraspinal control of lower urinary tract function in healthy controls and patients with non-neurogenic lower urinary tract symptoms. <i>BMJ Open</i> , 2014, 4, e004357.	1.9	5
70	Prefrontal GABA and glutathione imbalance in posttraumatic stress disorder: Preliminary findings. <i>Psychiatry Research - Neuroimaging</i> , 2014, 224, 288-295.	1.8	71
71	Age dependent electroencephalographic changes in attention-deficit/hyperactivity disorder (ADHD). <i>Clinical Neurophysiology</i> , 2014, 125, 1626-1638.	1.5	86
72	Aberrant Coupling Within and Across the Default Mode, Task-Positive, and Salience Network in Subjects at Risk for Psychosis. <i>Schizophrenia Bulletin</i> , 2014, 40, 1095-1104.	4.3	149

#	ARTICLE	IF	CITATIONS
73	P3-225: POSTERIOR CINGULATE GABA AND GLX ARE REDUCED IN AMNESTIC MILD COGNITIVE IMPAIRMENT. , 2014, 10, P713-P713.		0
74	P4-115: ALTERED FUNCTIONAL CONNECTIVITY AND GLOBAL NETWORK PROPERTIES IN AMNESTIC MILD COGNITIVE IMPAIRMENT. , 2014, 10, P826-P826.		0
75	Atypical visual processing in posttraumatic stress disorder. Neurolmage: Clinical, 2013, 3, 531-538.	2.7	49
76	Coupling Between Resting Cerebral Perfusion and EEG. Brain Topography, 2013, 26, 442-457.	1.8	52
77	Developmental changes of functional and directed resting-state connectivities associated with neuronal oscillations in EEG. Neurolmage, 2013, 81, 231-242.	4.2	41
78	Balancing objects on the feet &#x2014; An fMRI experiment using the MR-compatible stepper MARCOS. , 2012, , .		0
79	Brain state regulation during normal development: Intrinsic activity fluctuations in simultaneous EEG&#x2014;fMRI. Neurolmage, 2012, 60, 1426-1439.	4.2	39
80	Frontal GABA Levels Change during Working Memory. PLoS ONE, 2012, 7, e31933.	2.5	108
81	Developmental Changes of BOLD Signal Correlations with Global Human EEG Power and Synchronization during Working Memory. PLoS ONE, 2012, 7, e39447.	2.5	29
82	EEG&#x2014;BOLD correlations during (post-)adolescent brain maturation. Neurolmage, 2011, 56, 1493-1505.	4.2	35
83	Does Greater Low Frequency EEG Activity in Normal Immaturity and in Children with Epilepsy Arise in the Same Neuronal Network?. Brain Topography, 2011, 24, 78-89.	1.8	11
84	Correlations between EEG and clinical outcome in chronic neuropathic pain: surgical effects and treatment resistance. Brain Imaging and Behavior, 2011, 5, 329-348.	2.1	24
85	In vivo detection of GABA and glutamate with MEGA&#x2014;PRESS: Reproducibility and gender effects. Journal of Magnetic Resonance Imaging, 2011, 33, 1262-1267.	3.4	191
86	The supraspinal neural correlate of bladder cold sensation&#x2014;An fMRI study. Human Brain Mapping, 2011, 32, 835-845.	3.6	21
87	Simultaneous EEG-fMRI during a Working Memory Task: Modulations in Low and High Frequency Bands. PLoS ONE, 2010, 5, e10298.	2.5	175
88	The somatosensory representation of the human clitoris: An fMRI study. Neurolmage, 2010, 49, 177-184.	4.2	46
89	Cortical substrate of bladder control in SCI and the effect of peripheral pudendal stimulation. Neurolmage, 2010, 49, 2983-2994.	4.2	24
90	Brain activity for peripheral biological motion in the posterior superior temporal gyrus and the fusiform gyrus: Dependence on visual hemifield and view orientation. Neurolmage, 2009, 45, 151-159.	4.2	47

#	ARTICLE	IF	CITATIONS
91	Interaction of visual hemifield and body view in biological motion perception. European Journal of Neuroscience, 2008, 27, 514-522.	2.6	47
92	EEG alpha distinguishes between cuneal and precuneal activation in working memory. Neurolmage, 2008, 40, 1296-1310.	4.2	107
93	Brain activation in response to bladder filling and simultaneous stimulation of the dorsal clitoral nerve"An fMRI study in healthy women. Neurolmage, 2008, 41, 682-689.	4.2	90
94	Enhanced frontal low and high frequency power and synchronization in the resting EEG of parkinsonian patients. Neurolmage, 2008, 41, 985-997.	4.2	101
95	Visual areas involved in the perception of human movement from dynamic form analysis. NeuroReport, 2005, 16, 1037-1041.	1.2	92
96	Contrast dependency of saccadic compression and suppression. Vision Research, 2004, 44, 2327-2336.	1.4	48