

Lukas L Imbach

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,352
citations

394421

19
h-index

395702

33
g-index

60
all docs

60
docs citations

60
times ranked

1897
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased sleep need and daytime sleepiness 6 months after traumatic brain injury: a prospective controlled clinical trial. <i>Brain</i> , 2015, 138, 726-735.	7.6	117
2	Intracerebral endotheliitis and microbleeds are neuropathological features of COVID-19. <i>Neuropathology and Applied Neurobiology</i> , 2021, 47, 454-459.	3.2	92
3	Large and Small Cerebral Vessel Involvement in Severe COVID-19. <i>Stroke</i> , 2020, 51, 3719-3722.	2.0	89
4	Inflammatory olfactory neuropathy in two patients with COVID-19. <i>Lancet, The</i> , 2020, 396, 166.	13.7	86
5	Sodium Oxybate for Excessive Daytime Sleepiness and Sleep Disturbance in Parkinson Disease. <i>JAMA Neurology</i> , 2018, 75, 114.	9.0	70
6	Sleep-wake disorders persist 18 months after traumatic brain injury but remain underrecognized. <i>Neurology</i> , 2016, 86, 1945-1949.	1.1	61
7	Slow-wave sleep and motor progression in Parkinson disease. <i>Annals of Neurology</i> , 2019, 85, 765-770.	5.3	55
8	Seizures after Ischemic Stroke: A Matched Multicenter Study. <i>Annals of Neurology</i> , 2021, 90, 808-820.	5.3	54
9	The Impact of Subthalamic Deep Brain Stimulation on Sleep-Wake Behavior: A Prospective Electrophysiological Study in 50 Parkinson Patients. <i>Sleep</i> , 2017, 40, .	1.1	44
10	Sleep Modulation Alleviates Axonal Damage and Cognitive Decline after Rodent Traumatic Brain Injury. <i>Journal of Neuroscience</i> , 2016, 36, 3422-3429.	3.6	38
11	The ionization energy of methylene (CH ₂) from a rotationally resolved photoelectron spectrum and its thermochemical implications. <i>Journal of Chemical Physics</i> , 2002, 117, 1939-1940.	3.0	33
12	Functionally separated networks for self-paced and externally-cued motor execution in Parkinson's disease: Evidence from deep brain recordings in humans. <i>NeuroImage</i> , 2018, 177, 20-29.	4.2	33
13	European Expert Opinion on ANT-DBS therapy for patients with drug-resistant epilepsy (a Delphi) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i>	2.0	33
14	Interleaving deep brain stimulation for a patient with both Parkinson's disease and essential tremor. <i>Movement Disorders</i> , 2012, 27, 1700-1701.	3.9	32
15	Bilateral staged magnetic resonance-guided focused ultrasound thalamotomy for the treatment of essential tremor: a case series study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021, 92, 927-931.	1.9	31
16	Subthalamic deep brain stimulation versus best medical therapy for l-dopa responsive pain in Parkinson's disease. <i>Pain</i> , 2013, 154, 1477-1479.	4.2	30
17	Slow-wave sleep affects synucleinopathy and regulates proteostatic processes in mouse models of Parkinson's disease. <i>Science Translational Medicine</i> , 2021, 13, eabe7099.	12.4	29
18	Risk factors for the development of epilepsy in patients with brain metastases. <i>Neuro-Oncology</i> , 2020, 22, 718-728.	1.2	27

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19	Optimizing MSLT Specificity in Narcolepsy With Cataplexy. <i>Sleep</i> , 2017, 40, .	1.1	25
20	Electrophysiological Evidence for Alternative Motor Networks in REM Sleep Behavior Disorder. <i>Journal of Neuroscience</i> , 2016, 36, 11795-11800.	3.6	24
21	Dysregulation of Sleep Behavioral States in Narcolepsy. <i>Sleep</i> , 2017, 40, .	1.1	22
22	Interactions with Hydrophobic Clusters in the Ureaâ€Unfolded Membrane Protein OmpX. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 977-981.	13.8	21
23	Reduced Regional NREM Sleep Slow-Wave Activity Is Associated With Cognitive Impairment in Parkinson Disease. <i>Frontiers in Neurology</i> , 2021, 12, 618101.	2.4	21
24	Anticonvulsive effect of anterior thalamic deep brain stimulation in super-refractory status epilepticus crucially depends on active stimulation zoneâ€A single case observation. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2019, 71, 286-288.	2.0	18
25	Deep brain electrical neurofeedback allows Parkinson patients to control pathological oscillations and quicken movements. <i>Scientific Reports</i> , 2021, 11, 7973.	3.3	17
26	Bradysomnia in Parkinsonâ€™s disease. <i>Clinical Neurophysiology</i> , 2016, 127, 1403-1409.	1.5	16
27	Increased Sleep Need and Reduction of Tuberomammillary Histamine Neurons after Rodent Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 85-93.	3.4	16
28	Personalised therapeutic management of epileptic patients guided by pathway-driven breath metabolomics. <i>Communications Medicine</i> , 2021, 1, .	4.2	16
29	Diminished eventâ€related cortical arousals and altered heart rate response in Parkinson's disease. <i>Movement Disorders</i> , 2015, 30, 866-870.	3.9	15
30	Anatomical features of primary brain tumors affect seizure risk and semiology. <i>NeuroImage: Clinical</i> , 2019, 22, 101688.	2.7	14
31	Survival of brain tumour patients with epilepsy. <i>Brain</i> , 2021, 144, 3322-3327.	7.6	14
32	Inter-Hemispheric Oscillations in Human Sleep. <i>PLoS ONE</i> , 2012, 7, e48660.	2.5	14
33	The medial pulvinar as a subcortical relay in temporal lobe status epilepticus. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2020, 81, 276-279.	2.0	13
34	Characterization of porcine UL16-binding protein 1 endothelial cell surface expression. <i>Xenotransplantation</i> , 2008, 15, 136-144.	2.8	12
35	Topographic brain tumor anatomy drives seizure risk and enables machine learning based prediction. <i>NeuroImage: Clinical</i> , 2020, 28, 102506.	2.7	12
36	Adaptive grip force is modulated by subthalamic beta activity in Parkinson's disease patients. <i>NeuroImage: Clinical</i> , 2015, 9, 450-457.	2.7	11

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37	Predictive value of EEG in postanoxic encephalopathy: A quantitative model-based approach. <i>Resuscitation</i> , 2017, 119, 27-32.	3.0	11
38	Deep brain stimulation for locomotion in incomplete human spinal cord injury (DBS-SCI): protocol of a prospective one-armed multi-centre study. <i>BMJ Open</i> , 2021, 11, e047670.	1.9	11
39	Selective deep brain stimulation in the substantia nigra reduces myoclonus in progressive myoclonic epilepsy: a novel observation and short review of the literature. <i>Epileptic Disorders</i> , 2019, 21, 283-288.	1.3	10
40	Impact of Seizures and Status Epilepticus on Outcome in Patients with Aneurysmal Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2022, 36, 751-759.	2.4	10
41	Dopamine-responsive pattern in tremor patients. <i>Parkinsonism and Related Disorders</i> , 2014, 20, 1283-1286.	2.2	9
42	Ictal nausea and vomiting – Is it left or right?. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2018, 61, 83-88.	2.0	7
43	An experimental examination of intensity fluctuations of a host droplet containing an inclusion. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2003, 79-80, 873-880.	2.3	5
44	The intoxicated EEG. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2017, 45, 100-101.	2.0	5
45	Tremor analysis with wearable sensors correlates with outcome after thalamic deep brain stimulation. <i>Clinical Parkinsonism & Related Disorders</i> , 2020, 3, 100066.	0.9	5
46	Intraoperative Neurophysiologic Assessment in Deep Brain Stimulation Surgery and its Impact on Lead Placement. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2021, 82, 018-026.	0.8	5
47	Sensitivity of long-term EEG monitoring as a second diagnostic step in the initial diagnosis of epilepsy. <i>Epileptic Disorders</i> , 2021, 23, 572-578.	1.3	4
48	Dissociation of motor control from motor awareness in awake sleepwalkers: An EEG study in virtual reality. <i>Cortex</i> , 2022, 149, 165-172.	2.4	4
49	The modulatory effect of self-paced and cued motor execution on subthalamic beta-bursts in Parkinson's disease: Evidence from deep brain recordings in humans. <i>Neurobiology of Disease</i> , 2022, 172, 105818.	4.4	4
50	Fitness-to-drive for glioblastoma patients. <i>Swiss Medical Weekly</i> , 2021, 151, w20501.	1.6	3
51	Sleep electroencephalographic asymmetry in Parkinson's disease patients before and after deep brain stimulation. <i>Clinical Neurophysiology</i> , 2021, 132, 857-863.	1.5	2
52	The eyes wake up: Screening for benign paroxysmal positional vertigo with polysomnography. <i>Clinical Neurophysiology</i> , 2020, 131, 616-624.	1.5	1
53	Altered sleep intensity upon DBS to hypothalamic sleep-wake centers in rats. <i>Translational Neuroscience</i> , 2021, 12, 611-625.	1.4	1
54	Picture story: Herniated brain causing generalised seizures. <i>BMJ, The</i> , 2012, 345, e7652-e7652.	6.0	0

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55	Differentiation of Parkinson's disease tremor and essential tremor based on a novel hand posture. <i>Clinical Parkinsonism & Related Disorders</i> , 2022, 7, 100146.	0.9	0