

# Christoph Leithner

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

2,982  
citations

257101

24  
h-index

168136

53  
g-index

62  
all docs

62  
docs citations

62  
times ranked

2823  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomarkers of brain injury after cardiac arrest; a statistical analysis plan from the TTM2 trial biobank investigators. <i>Resuscitation Plus</i> , 2022, 10, 100258.	0.6	2
2	Hypothermic versus Normothermic Temperature Control after Cardiac Arrest. , 2022, 1, .		17
3	Ventilatory settings in the initial 72h and their association with outcome in out-of-hospital cardiac arrest patients: a preplanned secondary analysis of the targeted hypothermia versus targeted normothermia after out-of-hospital cardiac arrest (TTM2) trial. <i>Intensive Care Medicine</i> , 2022, 48, 1024-1038.	3.9	31
4	Prognostic value of "late" electroencephalography recordings in patients with cardiopulmonary resuscitation after cardiac arrest. <i>Journal of Neurology</i> , 2021, 268, 4248-4257.	1.8	1
5	Hypothermia versus Normothermia after Out-of-Hospital Cardiac Arrest. <i>New England Journal of Medicine</i> , 2021, 384, 2283-2294.	13.9	511
6	Automated Assessment of Brain CT After Cardiac Arrest" An Observational Derivation/Validation Cohort Study. <i>Critical Care Medicine</i> , 2021, 49, e1212-e1222.	0.4	13
7	No Association Between Thrombus Perviousness and Cardioembolic Stroke Etiology in Basilar Artery Occlusion Stroke. <i>Frontiers in Neurology</i> , 2021, 12, 712449.	1.1	3
8	Neuron specific enolase after cardiac arrest: From 33 to 60 to 100 to NFL?. <i>Resuscitation</i> , 2021, 168, 234-236.	1.3	3
9	Elevated CSF neurofilament light chain concentration in a patient with facial onset sensory and motor neuronopathy. <i>Neurological Sciences</i> , 2020, 41, 217-219.	0.9	4
10	Dynamic determination of functional liver capacity with the LiMAx test in post-cardiac arrest patients undergoing targeted temperature management" A prospective trial. <i>Acta Anaesthesiologica Scandinavica</i> , 2020, 64, 501-507.	0.7	3
11	Establishment of an extracorporeal cardio-pulmonary resuscitation program in Berlin " outcomes of 254 patients with refractory circulatory arrest. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2020, 28, 96.	1.1	10
12	Hypoxic-Ischemic Encephalopathy Evaluated by Brain Autopsy and Neuroprognostication After Cardiac Arrest. <i>JAMA Neurology</i> , 2020, 77, 1430.	4.5	56
13	Cerebrospinal fluid cytology in subacute subarachnoid hemorrhage. <i>Neurology</i> , 2020, 95, 699-700.	1.5	2
14	Protocol for outcome reporting and follow-up in the Targeted Hypothermia versus Targeted Normothermia after Out-of-Hospital Cardiac Arrest trial (TTM2). <i>Resuscitation</i> , 2020, 150, 104-112.	1.3	19
15	Postcardiac arrest neurological prognostication with quantitative regional cerebral densitometry. <i>Resuscitation</i> , 2020, 154, 101-109.	1.3	7
16	Antagonizing dabigatran by idarucizumab in cases of ischemic stroke or intracranial hemorrhage in Germany" Updated series of 120 cases. <i>International Journal of Stroke</i> , 2020, 15, 609-618.	2.9	54
17	Stroke Admissions, Stroke Severity, and Treatment Rates in Urban and Rural Areas During the COVID-19 Pandemic. <i>Frontiers in Neurology</i> , 2020, 11, 607193.	1.1	9
18	Oral anticoagulation in patients with atrial fibrillation and acute ischaemic stroke: design and baseline data of the prospective multicentre Berlin Atrial Fibrillation Registry. <i>Europace</i> , 2019, 21, 1621-1632.	0.7	6

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19	Elimination of glutamate using CRRT for 72h in patients with post-cardiac arrest syndrome: A randomized clinical pilot trial. <i>Resuscitation</i> , 2019, 144, 54-59.	1.3	3
20	Timing of brain computed tomography and accuracy of outcome prediction after cardiac arrest. <i>Resuscitation</i> , 2019, 145, 8-14.	1.3	40
21	Impact of Structured Pathways for Postcardiac Arrest Care: A Systematic Review and Meta-Analysis. <i>Critical Care Medicine</i> , 2019, 47, e710-e716.	0.4	10
22	RBM3 and CIRP expressions in targeted temperature management treated cardiac arrest patientsâ€”A prospective single center study. <i>PLoS ONE</i> , 2019, 14, e0226005.	1.1	15
23	Assessment of intracranial venous blood flow after subarachnoid hemorrhage: a new approach to diagnose vasospasm with transcranial color-coded duplex sonography. <i>Journal of Neurosurgery</i> , 2018, 129, 1136-1142.	0.9	11
24	Neurological Emergencies in Refugees. <i>Frontiers in Neurology</i> , 2018, 9, 1088.	1.1	10
25	Unresponsive wakefulness or coma after cardiac arrestâ€”A long-term follow-up study. <i>Resuscitation</i> , 2018, 131, 121-127.	1.3	24
26	Neuron-Specific Enolase Predicts Poor Outcome After Cardiac Arrest and Targeted Temperature Management: A Multicenter Study on 1,053 Patients. <i>Critical Care Medicine</i> , 2017, 45, 1145-1151.	0.4	80
27	Isoflurane Sedation on the ICU in Cardiac Arrest Patients Treated With Targeted Temperature Management: An Observational Propensity-Matched Study. <i>Critical Care Medicine</i> , 2017, 45, e384-e390.	0.4	30
28	Cortical somatosensory evoked high-frequency (600Hz) oscillations predict absence of severe hypoxic encephalopathy after resuscitation. <i>Clinical Neurophysiology</i> , 2016, 127, 2561-2569.	0.7	21
29	Teaching Neuro  : Stroke mimicking thalamotomy. <i>Neurology</i> , 2016, 87, e208-e209.	1.5	3
30	Good neurological outcome despite very low regional cerebral oxygen saturation during resuscitationâ€”a prospective preclinical trial in 29 patients. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2016, 24, 43.	1.1	12
31	Prognostication of outcome after cardiac arrest and targeted temperature management. <i>BMC Emergency Medicine</i> , 2015, 15, .	0.7	0
32	MRI Heralds Secondary Nigral Lesion after Brain Ischemia in Mice: A Secondary Time Window for Neuroprotection. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1903-1909.	2.4	19
33	Amplitudes of SSEP and outcome in cardiac arrest survivors. <i>Neurology</i> , 2015, 85, 1752-1760.	1.5	80
34	Infarct Volume Prediction by Early Magnetic Resonance Imaging in a Murine Stroke Model Depends on Ischemia Duration and Time of Imaging. <i>Stroke</i> , 2015, 46, 3249-3259.	1.0	22
35	Outcome Prediction in Patients After Cardiac Arrest: A Simplified Method for Determination of Grayâ€”White Matter Ratio in Cranial Computed Tomography. <i>Clinical Neuroradiology</i> , 2015, 25, 49-54.	1.0	50
36	Regional cerebral oxygen saturation after cardiac arrest in 60 patientsâ€”A prospective outcome study. <i>Resuscitation</i> , 2014, 85, 1037-1041.	1.3	74

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37	The Oxygen Paradox of Neurovascular Coupling. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 19-29.	2.4	112
38	Use of target temperature management after cardiac arrest in Germany â€“ A nationwide survey including 951 intensive care units. Resuscitation, 2014, 85, 1012-1017.	1.3	22
39	The prognostic value of gray-white-matter ratio in cardiac arrest patients treated with hypothermia. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2013, 21, 23.	1.1	77
40	Serial Plasma Choline Measurements after Cardiac Arrest in Patients Undergoing Mild Therapeutic Hypothermia: A Prospective Observational Pilot Trial. PLoS ONE, 2013, 8, e76720.	1.1	5
41	Prognostic Assessment Always Requires Several Parameters. Deutsches A&#x0308;rztblatt International, 2013, 110, 421.	0.6	0
42	Serial measurement of neuron specific enolase improves prognostication in cardiac arrest patients treated with hypothermia: A prospective study. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2012, 20, 6.	1.1	47
43	Headache in the emergency room: the role of immigrant background on the frequency of serious causes and diagnostic procedures. Neurological Sciences, 2012, 33, 793-799.	0.9	10
44	Dizziness in the Emergency Room: Diagnoses and Misdiagnoses. European Neurology, 2011, 66, 256-263.	0.6	101
45	ImPRESsive hypertensive encephalopathy. Emergency Medicine Journal, 2011, 28, 1083-1084.	0.4	0
46	Pharmacological Uncoupling of Activation Induced Increases in CBF and CMRO <sub>2</sub> . Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 311-322.	2.4	78
47	Neurovascular Coupling in Rat Brain Operates Independent of Hemoglobin Deoxygenation. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 757-768.	2.4	84
48	Determination of the Brainâ€™Blood Partition Coefficient for Water in Mice Using MRI. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1821-1824.	2.4	37
49	Pathophysiological interference with neurovascular coupling - when imaging based on hemoglobin might go blind. Frontiers in Neuroenergetics, 2010, 2, .	5.3	61
50	Does hypothermia influence the predictive value of bilateral absent N20 after cardiac arrest?. Neurology, 2010, 74, 965-969.	1.5	679
51	Elevating intracranial pressure reverses the decrease in deoxygenated hemoglobin and abolishes the post-stimulus overshoot upon somatosensory activation in rats. NeuroImage, 2010, 52, 445-454.	2.1	21
52	Hypothermia effects on neurovascular coupling and cerebral metabolic rate of oxygen. NeuroImage, 2008, 40, 1523-1532.	2.1	33
53	Intravenous Rosuvastatin for Acute Stroke Treatment. Stroke, 2008, 39, 433-438.	1.0	94
54	Functional imaging with Laser Speckle Contrast Analysis: Vascular compartment analysis and correlation with Laser Doppler Flowmetry and somatosensory evoked potentials. Brain Research, 2006, 1121, 95-103.	1.1	32

#	ARTICLE	IF	CITATIONS
55	System for the measurement of blood flow and oxygenation in tissue applied to neurovascular coupling in brain. , 2005, , .		3
56	Allosteric release of nitric oxide from hemoglobin does not mediate neurovascular coupling. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S207-S207.	2.4	2
57	System for the Measurement of Blood Flow and Oxygenation in Tissue Applied to Neurovascular Coupling in Brain. , 2005, , .		1
58	Neuronal activation induced changes in microcirculatory haemoglobin oxygenation: to dip or not to dip. International Congress Series, 2002, 1235, 137-144.	0.2	1
59	No Evidence for Early Decrease in Blood Oxygenation in Rat Whisker Cortex in Response to Functional Activation. NeuroImage, 2001, 13, 988-1001.	2.1	147