Christoph Leithner

List of Publications by Year
in descending order

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	Does hypothermia influence the predictive value of bilateral absent N20 after cardiac arrest?. Neurology, 2010, 74, 965-969.	1.5	679
2	Hypothermia versus Normothermia after Out-of-Hospital Cardiac Arrest. New England Journal of Medicine, 2021, 384, 2283-2294.	13.9	511
3	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
4	The Oxygen Paradox of Neurovascular Coupling. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 19-29.	2.4	112
5	Dizziness in the Emergency Room: Diagnoses and Misdiagnoses. European Neurology, 2011, 66, 256-263.	0.6	101
6	Intravenous Rosuvastatin for Acute Stroke Treatment. Stroke, 2008, 39, 433-438.	1.0	94
7	Neurovascular Coupling in Rat Brain Operates Independent of Hemoglobin Deoxygenation. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 757-768.	2.4	84
8	Amplitudes of SSEP and outcome in cardiac arrest survivors. Neurology, 2015, 85, 1752-1760.	1.5	80
9	Neuron-Specific Enolase Predicts Poor Outcome After Cardiac Arrest and Targeted Temperature Management: A Multicenter Study on 1,053 Patients. Critical Care Medicine, 2017, 45, 1145-1151.	0.4	80
10	Pharmacological Uncoupling of Activation Induced Increases in CBF and $CMRO_2$. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 311-322.	2.4	78
11	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
12	Regional cerebral oxygen saturation after cardiac arrest in 60 patients—A prospective outcome study. Resuscitation, 2014, 85, 1037-1041.	1.3	74
13	Pathophysiological interference with neurovascular coupling - when imaging based on hemoglobin might go blind. Frontiers in Neuroenergetics, 2010, 2, .	5.3	61
14	Hypoxic-Ischemic Encephalopathy Evaluated by Brain Autopsy and Neuroprognostication After Cardiac Arrest. JAMA Neurology, 2020, 77, 1430.	4.5	56
15	Antagonizing dabigatran by idarucizumab in cases of ischemic stroke or intracranial hemorrhage in Germany—Updated series of 120 cases. International Journal of Stroke, 2020, 15, 609-618.	2.9	54
16	Outcome Prediction in Patients After Cardiac Arrest: A Simplified Method for Determination of Gray–White Matter Ratio in Cranial Computed Tomography. Clinical Neuroradiology, 2015, 25, 49-54.	1.0	50
17	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
18	Timing of brain computed tomography and accuracy of outcome prediction after cardiac arrest. Resuscitation, 2019, 145, 8-14.	1.3	40

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19	Determination of the Brain–Blood Partition Coefficient for Water in Mice Using MRI. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1821-1824.	2.4	37
20	Hypothermia effects on neurovascular coupling and cerebral metabolic rate of oxygen. NeuroImage, 2008, 40, 1523-1532.	2.1	33
21	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
22	Ventilatory settings in the initial 72 h 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. Intensive Care Medicine, 2022, 48, 1024-1038.	3.9	31
23	Isoflurane Sedation on the ICU in Cardiac Arrest Patients Treated With Targeted Temperature Management: An Observational Propensity-Matched Study. Critical Care Medicine, 2017, 45, e384-e390.	0.4	30
24	Unresponsive wakefulness or coma after cardiac arrest—A long-term follow-up study. Resuscitation, 2018, 131, 121-127.	1.3	24
25	Use of target temperature management after cardiac arrest in Germany – A nationwide survey including 951 intensive care units. Resuscitation, 2014, 85, 1012-1017.	1.3	22
26	Infarct Volume Prediction by Early Magnetic Resonance Imaging in a Murine Stroke Model Depends on Ischemia Duration and Time of Imaging. Stroke, 2015, 46, 3249-3259.	1.0	22
27	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
28	Cortical somatosensory evoked high-frequency (600Hz) oscillations predict absence of severe hypoxic encephalopathy after resuscitation. Clinical Neurophysiology, 2016, 127, 2561-2569.	0.7	21
29	MRI Heralds Secondary Nigral Lesion after Brain Ischemia in Mice: A Secondary Time Window for Neuroprotection. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1903-1909.	2.4	19
30	Protocol for outcome reporting and follow-up in the Targeted Hypothermia versus Targeted Normothermia after Out-of-Hospital Cardiac Arrest trial (TTM2). Resuscitation, 2020, 150, 104-112.	1.3	19
31	Hypothermic versus Normothermic Temperature Control after Cardiac Arrest. , 2022, 1, .		17
32	RBM3 and CIRP expressions in targeted temperature management treated cardiac arrest patients—A prospective single center study. PLoS ONE, 2019, 14, e0226005.	1.1	15
33	Automated Assessment of Brain CT After Cardiac Arrest—An Observational Derivation/Validation Cohort Study. Critical Care Medicine, 2021, 49, e1212-e1222.	0.4	13
34	Good neurological outcome despite very low regional cerebral oxygen saturation during resuscitation—a prospective preclinical trial in 29 patients. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2016, 24, 43.	1.1	12
35	Assessment of intracranial venous blood flow after subarachnoid hemorrhage: a new approach to diagnose vasospasm with transcranial color-coded duplex sonography. Journal of Neurosurgery, 2018, 129, 1136-1142.	0.9	11
36	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

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37	Neurological Emergencies in Refugees. Frontiers in Neurology, 2018, 9, 1088.	1.1	10
38	Impact of Structured Pathways for Postcardiac Arrest Care: A Systematic Review and Meta-Analysis. Critical Care Medicine, 2019, 47, e710-e716.	0.4	10
39	Establishment of an extracorporeal cardio-pulmonary resuscitation program in Berlin – outcomes of 254 patients with refractory circulatory arrest. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2020, 28, 96.	1.1	10
40	Stroke Admissions, Stroke Severity, and Treatment Rates in Urban and Rural Areas During the COVID-19 Pandemic. Frontiers in Neurology, 2020, 11, 607193.	1.1	9
41	Postcardiac arrest neurological prognostication with quantitative regional cerebral densitometry. Resuscitation, 2020, 154, 101-109.	1.3	7
42	Oral anticoagulation in patients with atrial fibrillation and acute ischaemic stroke: design and baseline data of the prospective multicentre Berlin Atrial Fibrillation Registry. Europace, 2019, 21, 1621-1632.	0.7	6
43	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
44	Elevated CSF neurofilament light chain concentration in a patient with facial onset sensory and motor neuronopathy. Neurological Sciences, 2020, 41, 217-219.	0.9	4
45	System for the measurement of blood flow and oxygenation in tissue applied to neurovascular coupling in brain. , 2005, , .		3
46	Teaching Neuro <i>Images</i> : Stroke mimicking thalamotomy. Neurology, 2016, 87, e208-e209.	1.5	3
47	Elimination of glutamate using CRRT for 72 h in patients with post-cardiac arrest syndrome: A randomized clinical pilot trial. Resuscitation, 2019, 144, 54-59.	1.3	3
48	Dynamic determination of functional liver capacity with the LiMAx test in post-cardiac arrest patients undergoing targeted temperature management—A prospective trial. Acta Anaesthesiologica Scandinavica, 2020, 64, 501-507.	0.7	3
49	No Association Between Thrombus Perviousness and Cardioembolic Stroke Etiology in Basilar Artery Occlusion Stroke. Frontiers in Neurology, 2021, 12, 712449.	1.1	3
50	Neuron specific enolase after cardiac arrest: From 33 to 60 to 100 to NFL?. Resuscitation, 2021, 168, 234-236.	1.3	3
51	Cerebrospinal fluid cytology in subacute subarachnoid hemorrhage. Neurology, 2020, 95, 699-700.	1.5	2
52	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
53	Biomarkers of brain injury after cardiac arrest; a statistical analysis plan from the TTM2 trial biobank investigators. Resuscitation Plus, 2022, 10, 100258.	0.6	2
54	Neuronal activation induced changes in microcirculatory haemoglobin oxygenation: to dip or not to dip. International Congress Series, 2002, 1235, 137-144.	0.2	1

#	Article	IF	Citations
55	Prognostic value of â€˜lateâ€™ electroencephalography recordings in patients with cardiopulmonal resuscitation after cardiac arrest. Journal of Neurology, 2021, 268, 4248-4257.	1.8	1
56	System for the Measurement of Blood Flow and Oxygenation in Tissue Applied to Neurovascular Coupling in Brain. , 2005, , .		1
57	ImPRESsive hypertensive encephalopathy. Emergency Medicine Journal, 2011, 28, 1083-1084.	0.4	0
58	Prognostication of outcome after cardiac arrest and targeted temperature management. BMC Emergency Medicine, 2015, 15, .	0.7	0
59	Prognostic Assessment Always Requires Several Parameters. Deutsches A&#x0308;rzteblatt International, 2013, 110, 421.	0.6	0