Anders LewÃ©n

List of Publications by Year
in descending order

90 papers	4,647 citations	117625 34 h-index	102487 66 g-index
91 all docs	91 docs citations	91 times ranked	4442 citing authors

#	Article	IF	Citations
1	ICP, CPP, and PRx in traumatic brain injury and aneurysmal subarachnoid hemorrhage: association of insult intensity and duration with clinical outcome. Journal of Neurosurgery, 2023, 138, 446-453.	1.6	10
2	Low intracranial pressure variability is associated with delayed cerebral ischemia and unfavorable outcome in aneurysmal subarachnoid hemorrhage. Journal of Clinical Monitoring and Computing, 2022, 36, 569-578.	1.6	8
3	Post-traumatic hydrocephalus â€“ incidence, risk factors, treatment, and clinical outcome. British Journal of Neurosurgery, 2022, 36, 400-406.	0.8	12
4	Cerebral Pressure Autoregulation in Brain Injury and Disordersâ€"A Review on Monitoring, Management, and Future Directions. World Neurosurgery, 2022, 158, 118-131.	1.3	12
5	Neurointensive care of traumatic brain injury in the elderlyâ€"age-specific secondary insult levels and optimal physiological levels to target need to be defined. Acta Neurochirurgica, 2022, 164, 117-128.	1.7	2
6	Intracranial pressure- and cerebral perfusion pressure threshold-insults in relation to cerebral energy metabolism in aneurysmal subarachnoid hemorrhage. Acta Neurochirurgica, 2022, 164, 1001-1014.	1.7	8
7	Prognosis in moderate-severe traumatic brain injury in a Swedish cohort and external validation of the IMPACT models. Acta Neurochirurgica, 2022, 164, 615-624.	1.7	4
8	Cerebral Blood Flow and Oxygen Delivery in Aneurysmal Subarachnoid Hemorrhage: Relation to Neurointensive Care Targets. Neurocritical Care, 2022, 37, 281-292.	2.4	7
9	Females Exhibit Better Cerebral Pressure Autoregulation, Less Mitochondrial Dysfunction, and Reduced Excitotoxicity after Severe Traumatic Brain Injury. Journal of Neurotrauma, 2022, 39, 1507-1517.	3.4	6
10	Temporal Dynamics of ICP, CPP, PRx, and CPPopt in High-Grade Aneurysmal Subarachnoid Hemorrhage and the Relation to Clinical Outcome. Neurocritical Care, 2021, 34, 390-402.	2.4	38
11	Fine Tuning of Traumatic Brain Injury Management in Neurointensive Careâ€"Indicative Observations and Future Perspectives. Frontiers in Neurology, 2021, 12, 638132.	2.4	20
12	Pre-injury antithrombotic agents predict intracranial hemorrhagic progression, but not worse clinical outcome in severe traumatic brain injury. Acta Neurochirurgica, 2021, 163, 1403-1413.	1.7	9
13	Decompressive Craniectomy in Traumatic Brain Injuryâ€"Craniectomy-Related and Cranioplasty-Related Complications in a Single Center. World Neurosurgery, 2021, 148, e508-e517.	1.3	12
14	Variable Temporal Cerebral Blood Flow Response to Acetazolamide in Moyamoya Patients Measured Using Arterial Spin Labeling. Frontiers in Neurology, 2021, 12, 615017.	2.4	4
15	Autoregulatory or Fixed Cerebral Perfusion Pressure Targets in Traumatic Brain Injury: Determining Which Is Better in an Energy Metabolic Perspective. Journal of Neurotrauma, 2021, 38, 1969-1978.	3.4	21
16	Pre-injury chronic alcohol abuse predicts intracranial hemorrhagic progression, unfavorable clinical outcome, and mortality in severe traumatic brain injury. Brain Injury, 2021, 35, 1569-1576.	1.2	4
17	In Reply to the Letter to the Editor Regarding â€œDecompressive Craniectomy in Traumatic Brain Injuryâ€"Craniectomy-Related and Cranioplasty-Related Complications in a Single Centerâ€. World Neurosurgery, 2021, 154, 203.	1.3	0
18	Temporal effects of barbiturate coma on intracranial pressure and compensatory reserve in children with traumatic brain injury. Acta Neurochirurgica, 2021, 163, 489-498.	1.7	7

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19	Intracranial pressure variability: relation to clinical outcome, intracranial pressureâ€“volume index, cerebrovascular reactivity and blood pressure variability. Journal of Clinical Monitoring and Computing, 2020, 34, 733-741.	1.6	8
20	Mild Hyperventilation in Traumatic Brain Injuryâ€”Relation to Cerebral Energy Metabolism, Pressure Autoregulation, and Clinical Outcome. World Neurosurgery, 2020, 133, e567-e575.	1.3	26
21	Blood Pressure Variability and Optimal Cerebral Perfusion Pressureâ€”New Therapeutic Targets in Traumatic Brain Injury. Neurosurgery, 2020, 86, E300-E309.	1.1	26
22	Intracranial Pressure Dynamics and Cerebral Vasomotor Reactivity in Coronavirus Disease 2019 Patient With Acute Encephalitis. , 2020, 2, e0197.		8
23	Arterial lactate in traumatic brain injury â€“ Relation to intracranial pressure dynamics, cerebral energy metabolism and clinical outcome. Journal of Critical Care, 2020, 60, 218-225.	2.2	15
24	High Intravascular Signal Arterial Transit Time Artifacts Have Negligible Effects on Cerebral Blood Flow and Cerebrovascular Reserve Capacity Measurement Using Single Postlabel Delay Arterial Spin-Labeling in Patients with Moyamoya Disease. American Journal of Neuroradiology, 2020, 41, 430-436.	2.4	13
25	High Arterial Glucose is Associated with Poor Pressure Autoregulation, High Cerebral Lactate/Pyruvate Ratio and Poor Outcome Following Traumatic Brain Injury. Neurocritical Care, 2019, 31, 526-533.	2.4	23
26	Monitoring of Protein Biomarkers of Inflammation in Human Traumatic Brain Injury Using Microdialysis and Proximity Extension Assay Technology in Neurointensive Care. Journal of Neurotrauma, 2019, 36, 2872-2885.	3.4	32
27	Clinical outcome and prognostic factors in elderly traumatic brain injury patients receiving neurointensive care. Acta Neurochirurgica, 2019, 161, 1243-1254.	1.7	17
28	Intracranial pressure elevations in diffuse axonal injury: association with nonhemorrhagic MR lesions in central mesencephalic structures. Journal of Neurosurgery, 2019, 131, 604-611.	1.6	3
29	Temporal Neurophysiological Dynamics in Traumatic Brain Injury: Role of Pressure Reactivity and Optimal Cerebral Perfusion Pressure for Predicting Outcome. Journal of Neurotrauma, 2019, 36, 1818-1827.	3.4	50
30	Dual lumen balloon catheter â€“ An effective substitute for two single lumen catheters in treatment of vascular targets with challenging anatomy. Journal of Clinical Neuroscience, 2018, 51, 91-99.	1.5	5
31	Early low cerebral blood flow and high cerebral lactate: prediction of delayed cerebral ischemia in subarachnoid hemorrhage. Journal of Neurosurgery, 2018, 128, 1762-1770.	1.6	35
32	Effect of HHH-Therapy on Regional CBF after Severe Subarachnoid Hemorrhage Studied by Bedside Xenon-Enhanced CT. Neurocritical Care, 2018, 28, 143-151.	2.4	22
33	Decompressive craniectomy in traumatic brain injury: usage and clinical outcome in a single centre. Acta Neurochirurgica, 2018, 160, 229-237.	1.7	41
34	Hemodynamic Disturbances in the Early Phase After Subarachnoid Hemorrhage: Regional Cerebral Blood Flow Studied by Bedside Xenon-enhanced CT. Journal of Neurosurgical Anesthesiology, 2018, 30, 49-58.	1.2	8
35	Initial In-Vitro Trial for Intra-Cranial Pressure Monitoring Using Subdermal Proximity-Coupled Split-Ring Resonator. , 2018, , .		8
36	Increased risk of critical CBF levels in SAH patients with actual CPP below calculated optimal CPP. Acta Neurochirurgica, 2017, 159, 1065-1071.	1.7	18

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37	The influence of hyperthermia on intracranial pressure, cerebral oximetry and cerebral metabolism in traumatic brain injury. Upsala Journal of Medical Sciences, 2017, 122, 177-184.	0.9	21
38	The Correlation between Cerebral Blood Flow Measured by Bedside Xenon-CT and Brain Chemistry Monitored by Microdialysis in the Acute Phase following Subarachnoid Hemorrhage. Frontiers in Neurology, 2017, 8, 369.	2.4	7
39	Diffuse traumatic axonal injury in mice induces complex behavioural alterations that are normalized by neutralization of interleukin-1Î². European Journal of Neuroscience, 2016, 43, 1016-1033.	2.6	19
40	Promising clinical outcome of elderly with TBI after modern neurointensive care. Acta Neurochirurgica, 2016, 158, 125-133.	1.7	25
41	Bedside Xenon-CT Shows Lower CBF in SAH Patients with Impaired CBF Pressure Autoregulation as Defined by Pressure Reactivity Index (PRx). Neurocritical Care, 2016, 25, 47-55.	2.4	26
42	Positive correlation between occlusion rate and nidus size of proton beam treated brain arteriovenous malformations (AVMs). Acta OncolÃ³gica, 2016, 55, 105-112.	1.8	6
43	Updated periodic evaluation of standardized neurointensive care shows that it is possible to maintain a high level of favorable outcome even with increasing mean age. Acta Neurochirurgica, 2015, 157, 417-425.	1.7	10
44	Monitoring of Cerebral Blood Flow and Metabolism Bedside in Patients with Subarachnoid Hemorrhage Ã¢â,¬â€œ A Xenon-CT and Microdialysis Study. Frontiers in Neurology, 2014, 5, 89.	2.4	18
45	Cerebral Microdialysis for Protein Biomarker Monitoring in the Neurointensive Care Setting Ã¢â,¬â€œ A Technical Approach. Frontiers in Neurology, 2014, 5, 245.	2.4	30
46	Outcome from spontaneous subarachnoid haemorrhageâ€"results from 2007â€"2011 and comparison with our previous series. Upsala Journal of Medical Sciences, 2014, 119, 38-43.	0.9	8
47	Brain Tissue Oxygenation and Cerebral Metabolic Patterns in Focal and Diffuse Traumatic Brain Injury. Frontiers in Neurology, 2014, 5, 64.	2.4	22
48	Should the Neurointensive Care Management of Traumatic Brain Injury Patients be Individualized According to Autoregulation Status and Injury Subtype?. Neurocritical Care, 2014, 21, 259-265.	2.4	31
49	The Neurological Wake-up Test Does not Alter Cerebral Energy Metabolism and Oxygenation in Patients with Severe Traumatic Brain Injury. Neurocritical Care, 2014, 20, 413-426.	2.4	32
50	Acute neurosurgery for traumatic brain injury by general surgeons in Swedish county hospitals: A regional study. Acta Neurochirurgica, 2014, 156, 177-185.	1.7	13
51	Refined Microdialysis Method for Protein Biomarker Sampling in Acute Brain Injury in the Neurointensive Care Setting. Analytical Chemistry, 2014, 86, 8671-8679.	6.5	30
52	Introduction of the Uppsala Traumatic Brain Injury register for regular surveillance of patient characteristics and neurointensive care management including secondary insult quantification and clinical outcome. Upsala Journal of Medical Sciences, 2013, 118, 169-180.	0.9	30
53	Traumatic axonal injury in the mouse is accompanied by a dynamic inflammatory response, astroglial reactivity and complex behavioral changes. Journal of Neuroinflammation, 2013, 10, 44.	7.2	55
54	Interstitial F2-Isoprostane 8-Iso-PGF2Î± As a Biomarker of Oxidative Stress after Severe Human Traumatic Brain Injury. Journal of Neurotrauma, 2012, 29, 766-775.	3.4	47

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55	An evaluation of three measures of intracranial compliance in traumatic brain injury patients. Intensive Care Medicine, 2012, 38, 1061-1068.	8.2	40
56	Brain Tissue Oxygenation and Cerebral Perfusion Pressure Thresholds of Ischemia in a Standardized Pig Brain Death Model. Neurocritical Care, 2012, 16, 462-469.	2.4	29
57	Standardized experimental brain death model for studies of intracranial dynamics, organ preservation, and organ transplantation in the pig*. Critical Care Medicine, 2011, 39, 512-517.	0.9	56
58	Brain tissue oxygen monitoring: a study of in vitro accuracy and stability of Neurovent-PTO and Licox sensors. Acta Neurochirurgica, 2010, 152, 681-688.	1.7	48
59	The Multivariate Concentric Square Field Test Reveals Behavioral Profiles of Risk Taking, Exploration, and Cognitive Impairment in Mice Subjected to Traumatic Brain Injury. Journal of Neurotrauma, 2010, 27, 1643-1655.	3.4	36
60	Vimentin and GFAP responses in astrocytes after contusion trauma to the murine brain. Restorative Neurology and Neuroscience, 2010, 28, 311-321.	0.7	39
61	The Nitrone Free Radical Scavenger NXY-059 Is Neuroprotective when Administered after Traumatic Brain Injury in the Rat. Journal of Neurotrauma, 2008, 25, 1449-1457.	3.4	31
62	Distinct Cellular Patterns of Upregulated Chemokine Expression Supporting a Prominent Inflammatory Role in Traumatic Brain Injury. Journal of Neurotrauma, 2008, 25, 959-974.	3.4	146
63	T Lymphocyte Trafficking: A Novel Target for Neuroprotection in Traumatic Brain Injury. Journal of Neurotrauma, 2007, 24, 1295-1307.	3.4	87
64	Cerebral Glutamine and Glutamate Levels in Relation to Compromised Energy Metabolism: A Microdialysis Study in Subarachnoid Hemorrhage Patients. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 1309-1317.	4.3	93
65	Genetically modified bone morphogenetic protein signalling Alters traumatic brain injury-induced gene expression responses in the adult mouse. Journal of Neuroscience Research, 2006, 84, 47-57.	2.9	21
66	Correlation of Hippocampal Morphological Changes and Morris Water Maze Performance after Cortical Contusion Injury in Rats. Neurosurgery, 2005, 57, 154-163.	1.1	33
67	Oxygen Free Radical-Dependent Activation of Extracellular Signal-Regulated Kinase Mediates Apoptosis-Like Cell Death after Traumatic Brain Injury. Journal of Neurotrauma, 2004, 21, 1168-1182.	3.4	75
68	Copper-Zinc Superoxide Dismutase Affects Akt Activation After Transient Focal Cerebral Ischemia in Mice. Stroke, 2003, 34, 1513-1518.	2.0	77
69	Overexpression of SOD1 protects vulnerable motor neurons after spinal cord injury by attenuating mitochondrial cytochrome c release. FASEB Journal, 2002, 16, 1997-1999.	0.5	109
70	Overexpression of Copper/Zinc Superoxide Dismutase in Transgenic Rats Protects Vulnerable Neurons against Ischemic Damage by Blocking the Mitochondrial Pathway of Caspase Activation. Journal of Neuroscience, 2002, 22, 209-217.	3.6	254
71	Effects of Global Ischemia Duration on Neuronal, Astroglial, Oligodendroglial, and Microglial Reactions in the Vulnerable Hippocampal CA1 Subregion in Rats. Journal of Neurotrauma, 2002, 19, 85-98.	3.4	190
72	Akt Phosphorylation and Neuronal Survival after Traumatic Brain Injury in Mice. Neurobiology of Disease, 2002, 9, 294-304.	4.4	128

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73	Copper/Zinc Superoxide Dismutase Attenuates Neuronal Cell Death by Preventing Extracellular Signal-Regulated Kinase Activation after Transient Focal Cerebral Ischemia in Mice. Journal of Neuroscience, 2002, 22, 7923-7930.	3.6	114
74	Oxidative Cellular Damage and the Reduction of APE/Ref-1 Expression after Experimental Traumatic Brain Injury. Neurobiology of Disease, 2001, 8, 380-390.	4.4	83
75	Increased Cytochromecâ€“Mediated DNA Fragmentation and Cell Death in Manganeseâ€“Superoxide Dismutaseâ€“Deficient Mice After Exposure to Subarachnoid Hemolysate. Stroke, 2001, 32, 506-515.	2.0	86
76	Paradoxical Increase in Neuronal DNA Fragmentation after Neuroprotective Free Radical Scavenger Treatment in Experimental Traumatic Brain Injury. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 344-350.	4.3	46
77	Oxidative Stressâ€“Dependent Release of Mitochondrial Cytochrome <i>c</i> after Traumatic Brain Injury. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 914-920.	4.3	82
78	Neuronal, but Not Microglial, Accumulation of Extravasated Serum Proteins after Intracerebral Hemolysate Exposure is Accompanied by Cytochrome c Release and DNA Fragmentation. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 921-928.	4.3	35
79	Evidence of Phosphorylation of Akt and Neuronal Survival after Transient Focal Cerebral Ischemia in Mice. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 1442-1450.	4.3	265
80	Infratentorial Traumatic Brain Hemorrhage: May Outcome Be Predicted by Initial GCS?. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 49, 1076-1082.	2.4	3
81	MAP2 and neurogranin as markers for dendritic lesions in CNS injury. An immunohistochemical study in the rat. Apmis, 2000, 108, 98-106.	2.0	36
82	Effect of hypotension severity on hippocampal CA1 neurons in a rat global ischemia model. Brain Research, 2000, 877, 281-287.	2.2	41
83	Free Radical Pathways in CNS Injury. Journal of Neurotrauma, 2000, 17, 871-890.	3.4	717
84	Involvement of Reactive Oxygen Species in Membrane Phospholipid Breakdown and Energy Perturbation After Traumatic Brain Injury in the Rat. Journal of Neurotrauma, 1998, 15, 521-530.	3.4	90
85	Glycerol as a marker for post-traumatic membrane phospholipid degradation in rat brain. NeuroReport, 1997, 8, 1457-1460.	1.2	98
86	Expression of serine/threonine kinase receptors in traumatic brain injury. NeuroReport, 1997, 8, 475-479.	1.2	56
87	Up-regulation of intercellular adhesion molecule 1 in cerebral microvessels after cortical contusion trauma in a rat model. Acta Neuropathologica, 1997, 94, 16-20.	7.7	31
88	Changes in microtubule-associated protein 2 and amyloid precursor protein immunoreactivity following traumatic brain injury in rat: influence of MK-801 treatment. Brain Research, 1996, 719, 161-171.	2.2	85
89	Neurochemical monitoring using intracerebral microdialysis in patients with subarachnoid hemorrhage. Journal of Neurosurgery, 1996, 84, 606-616.	1.6	228
90	Traumatic brain injury in rat produces changes of Î²-amyloid precursor protein immunoreactivity. NeuroReport, 1995, 6, 357-360.	1.2	87