

# Lars-Owe D Koskinen

## List of Publications by Year in descending order

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87  
papers

4,331  
citations

159585

30  
h-index

114465

63  
g-index

88  
all docs

88  
docs citations

88  
times ranked

4806  
citing authors

#	ARTICLE	IF	CITATIONS
1	Traumatic brain injury: integrated approaches to improve prevention, clinical care, and research. <i>Lancet Neurology</i> , The, 2017, 16, 987-1048.	10.2	1,571
2	Case-mix, care pathways, and outcomes in patients with traumatic brain injury in CENTER-TBI: a European prospective, multicentre, longitudinal, cohort study. <i>Lancet Neurology</i> , The, 2019, 18, 923-934.	10.2	304
3	Effective ICP Reduction by Decompressive Craniectomy in Patients with Severe Traumatic Brain Injury Treated by an ICP-Targeted Therapy. <i>Journal of Neurotrauma</i> , 2007, 24, 927-935.	3.4	176
4	Reducing Intracranial Pressure May Increase Survival among Patients with Bacterial Meningitis. <i>Clinical Infectious Diseases</i> , 2004, 38, 384-390.	5.8	124
5	Anticoagulants and antiplatelet agents and the risk of development and recurrence of chronic subdural haematomas. <i>Journal of Clinical Neuroscience</i> , 2009, 16, 1287-1290.	1.5	121
6	Transcranial Doppler Pulsatility Index. <i>Neurosurgery</i> , 2010, 66, 1050-1057.	1.1	117
7	An outcome study of severe traumatic head injury using the "Lund therapy" with low-dose prostacyclin. <i>Acta Anaesthesiologica Scandinavica</i> , 2001, 45, 402-406.	1.6	110
8	Clinical Experience with the Intraparenchymal Intracranial Pressure Monitoring Codman MicroSensor System. <i>Neurosurgery</i> , 2005, 56, 693-698.	1.1	104
9	Complications following cranioplasty using autologous bone or polymethylmethacrylate—Retrospective experience from a single center. <i>Clinical Neurology and Neurosurgery</i> , 2013, 115, 1788-1791.	1.4	102
10	Clinical applications of intracranial pressure monitoring in traumatic brain injury. <i>Acta Neurochirurgica</i> , 2014, 156, 1615-1622.	1.7	96
11	Severe traumatic brain injury in pediatric patients: treatment and outcome using an intracranial pressure targeted therapy—the Lund concept. <i>Intensive Care Medicine</i> , 2005, 31, 832-839.	8.2	78
12	The pressure difference between eye and brain changes with posture. <i>Annals of Neurology</i> , 2016, 80, 269-276.	5.3	68
13	Acute neuro-endocrine profile and prediction of outcome after severe brain injury. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2013, 21, 33.	2.6	60
14	Pulsatility in CSF dynamics: pathophysiology of idiopathic normal pressure hydrocephalus. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, 735-741.	1.9	60
15	Thyrotropin-releasing hormone (TRH) causes sympathetic activation and cerebral vasodilation in the rabbit. <i>Acta Physiologica Scandinavica</i> , 1984, 122, 127-136.	2.2	54
16	Influence of age, gender and severity of tremor on outcome after thalamic and subthalamic DBS for essential tremor. <i>Parkinsonism and Related Disorders</i> , 2011, 17, 617-620.	2.2	49
17	The Fisher grading correlated to outcome in patients with subarachnoid haemorrhage. <i>British Journal of Neurosurgery</i> , 2009, 23, 188-192.	0.8	43
18	Prostacyclin Treatment in Severe Traumatic Brain Injury: A Microdialysis and Outcome Study. <i>Journal of Neurotrauma</i> , 2009, 26, 1251-1262.	3.4	43

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19	The complications and the position of the Codman MicroSensor <sup>®</sup> , <sup>®</sup> ICP device: an analysis of 549 patients and 650 Sensors. <i>Acta Neurochirurgica</i> , 2013, 155, 2141-2148.	1.7	40
20	Association of ICP, CPP, CT findings and S-100B and NSE in severe traumatic head injury. Prognostic value of the biomarkers. <i>Brain Injury</i> , 2015, 29, 446-454.	1.2	40
21	Effect of low intravenous doses of TRH, acid <sup>®</sup> TRH and cyclo(His <sup>®</sup> Pro) on cerebral and peripheral blood flows. <i>British Journal of Pharmacology</i> , 1986, 87, 509-519.	5.4	39
22	Human jugular vein collapse in the upright posture: implications for postural intracranial pressure regulation. <i>Fluids and Barriers of the CNS</i> , 2017, 14, 17.	5.0	38
23	Cerebrospinal fluid pulse pressure method: a possible substitute for the examination of B waves. <i>Journal of Neurosurgery</i> , 2004, 101, 944-950.	1.6	37
24	Inhalation of substance P and thiorphan: acute toxicity and effects on respiration in conscious guinea pigs. <i>Journal of Applied Toxicology</i> , 1999, 19, 19-23.	2.8	35
25	Testicular enlargement in a patient with a FSH-secreting pituitary adenoma. <i>Endocrine</i> , 2010, 37, 289-293.	2.3	35
26	Severe traumatic brain injury management and clinical outcome using the Lund concept. <i>Neuroscience</i> , 2014, 283, 245-255.	2.3	35
27	Regional cerebral, ocular and peripheral vascular effects of naloxone and morphine in unanesthetized rabbits. <i>Acta Physiologica Scandinavica</i> , 1983, 119, 235-241.	2.2	32
28	Cerebrospinal fluid hydrodynamics after placement of a shunt with an antisiphon device: a long-term study. <i>Journal of Neurosurgery</i> , 2001, 94, 750-756.	1.6	32
29	Fluid therapy and the use of albumin in the treatment of severe traumatic brain injury. <i>Acta Anaesthesiologica Scandinavica</i> , 2009, 53, 18-25.	1.6	32
30	Absence of electroencephalographic seizure activity in patients treated for head injury with an intracranial pressure <sup>®</sup> targeted therapy. <i>Journal of Neurosurgery</i> , 2009, 110, 300-305.	1.6	31
31	Aspects on the Physiological and Biochemical Foundations of Neurocritical Care. <i>Frontiers in Neurology</i> , 2017, 8, 274.	2.4	30
32	Antithrombin Treatment in Patients With Traumatic Brain Injury. <i>Journal of Neurosurgical Anesthesiology</i> , 2001, 13, 49-56.	1.2	29
33	Two computerized methods used to analyze intracranial pressure B waves: comparison with traditional visual interpretation. <i>Journal of Neurosurgery</i> , 2001, 94, 392-396.	1.6	28
34	The Efficacy of P6 Acupressure With Sea-Band in Reducing Postoperative Nausea and Vomiting in Patients Undergoing Craniotomy. <i>Journal of Neurosurgical Anesthesiology</i> , 2015, 27, 42-50.	1.2	28
35	The apolipoprotein E $\epsilon$ 4 allele and outcome in severe traumatic brain injury treated by an intracranial pressure <sup>®</sup> targeted therapy. <i>Journal of Neurosurgery</i> , 2010, 112, 1113-1119.	1.6	26
36	Dynamics of brain tissue changes induced by traumatic brain injury assessed with the Marshall, Morris <sup>®</sup> Marshall, and the Rotterdam classifications and its impact on outcome in a prostacyclin placebo-controlled study. <i>Acta Neurochirurgica</i> , 2012, 154, 1069-1079.	1.7	24

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37	The IMPACT prognosis calculator used in patients with severe traumatic brain injury treated with an ICP-targeted therapy. <i>Acta Neurochirurgica</i> , 2012, 154, 1567-1573.	1.7	22
38	Regional glucose metabolism in the rabbit brain in control and TRH-treated animals. <i>Acta Physiologica Scandinavica</i> , 1986, 126, 349-353.	2.2	21
39	Cerebral and peripheral blood flow effects of TRH in the rat: A role of vagal nerves. <i>Peptides</i> , 1989, 10, 933-938.	2.4	21
40	Electromagnetic Environmental Influences on Implanted Deep Brain Stimulators. <i>Neuromodulation</i> , 2006, 9, 262-269.	0.8	21
41	Can intracranial pressure be measured non-invasively bedside using a two-depth Doppler-technique?. <i>Journal of Clinical Monitoring and Computing</i> , 2017, 31, 459-467.	1.6	20
42	Effects of raised intracranial pressure on regional cerebral blood flow: a comparison of effects of naloxone and TRH on the microcirculation in partial cerebral ischaemia. <i>British Journal of Pharmacology</i> , 1985, 85, 489-497.	5.4	19
43	Subdural hematomas in 1846 patients with shunted idiopathic normal pressure hydrocephalus: treatment and long-term survival. <i>Journal of Neurosurgery</i> , 2018, 129, 797-804.	1.6	19
44	Subarachnoid haemorrhage induces an inflammatory response followed by a delayed persisting increase in asymmetric dimethylarginine. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2012, 72, 484-489.	1.2	18
45	The release of S-100B and NSE in severe traumatic head injury is associated with APOE $\epsilon$ 4. <i>Acta Neurochirurgica</i> , 2012, 154, 675-680.	1.7	18
46	ADMA Levels and Arginine/ADMA Ratios Reflect Severity of Disease and Extent of Inflammation After Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2014, 21, 91-101.	2.4	17
47	Prostacyclin treatment and clinical outcome in severe traumatic brain injury patients managed with an ICP-targeted therapy: A prospective study. <i>Brain Injury</i> , 2012, 26, 67-75.	1.2	16
48	Computed tomography and clinical outcome in patients with severe traumatic brain injury. <i>Brain Injury</i> , 2017, 31, 351-358.	1.2	16
49	Severe traumatic brain injuries in Northern Sweden: A prospective 2-year study. <i>Journal of Rehabilitation Medicine</i> , 2013, 45, 792-800.	1.1	15
50	SECTION VIII. TRH IN SHOCK AND SPINAL TRAUMA: Effects of TRH on Blood flow and the Microcirculation. <i>Annals of the New York Academy of Sciences</i> , 1989, 553, 353-369.	3.8	15
51	Prostacyclin treatment normalises the MCA flow velocity in nimodipine-resistant cerebral vasospasm after aneurysmal subarachnoid haemorrhage. <i>Acta Neurochirurgica</i> , 2009, 151, 595-599.	1.7	14
52	Evaluation of Strata NSC and Codman Hakim adjustable cerebrospinal fluid shunts and their corresponding antisiphon devices. <i>Journal of Neurosurgery: Pediatrics</i> , 2009, 3, 166-172.	1.3	13
53	Hydrodynamics of the Certas <sup>®</sup> , $\epsilon$ programmable valve for the treatment of hydrocephalus. <i>Fluids and Barriers of the CNS</i> , 2012, 9, 12.	5.0	13
54	Effects of prostacyclin on the early inflammatory response in patients with traumatic brain injury-a randomised clinical study. <i>SpringerPlus</i> , 2014, 3, 98.	1.2	13

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55	Severe traumatic brain injury: consequences of early adverse events. <i>Acta Anaesthesiologica Scandinavica</i> , 2011, 55, 944-951.	1.6	11
56	SECTION VIII. TRH IN SHOCK AND SPINAL TRAUMA: Effects of TRH on Blood flow and the Microcirculation. <i>Annals of the New York Academy of Sciences</i> , 1989, 553, 353-369.	3.8	10
57	Tumor Blood Flow and the Cytotoxic Effects of Estramustine and Its Constituents in a Rat Glioma Model. <i>Neurosurgery</i> , 1997, 41, 237-244.	1.1	10
58	Prostacyclin Influences the Pressure Reactivity in Patients with Severe Traumatic Brain Injury Treated with an ICP-Targeted Therapy. <i>Neurocritical Care</i> , 2015, 22, 26-33.	2.4	10
59	Risk for intracranial pressure increase related to enclosed air in post-craniotomy patients during air ambulance transport: a retrospective cohort study with simulation. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2017, 25, 50.	2.6	10
60	Naloxone and TRH affect regional blood flows in the anesthetized rabbit. <i>Peptides</i> , 1991, 12, 1273-1277.	2.4	9
61	Intracranial Pressure and Pulsatility Index. <i>Neurosurgery</i> , 2011, 69, E1033-E1034.	1.1	9
62	Risk factors for developing subdural hematoma: a registry-based study in 1457 patients with shunted idiopathic normal pressure hydrocephalus. <i>Journal of Neurosurgery</i> , 2020, , 1-10.	1.6	8
63	TRH-induced blood flow and mean arterial pressure changes in the rabbit are not dependent on the anaesthetic used. <i>British Journal of Pharmacology</i> , 1989, 97, 190-196.	5.4	7
64	Intracranial Hypertension due to Cerebral Venous Sinus Thrombosis following Head Trauma: A Report of Two Cases. <i>Case Reports in Neurology</i> , 2013, 5, 168-174.	0.7	7
65	The Effect of the Calcium Antagonist Nimodipine on the Detoxification of Soman in Anaesthetized Rabbits. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 49, 296-300.	2.4	6
66	Probabilistic prediction of increased intracranial pressure in patients with severe traumatic brain injury. <i>Scientific Reports</i> , 2022, 12, .	3.3	6
67	Effects of TRH and atropine on induction and duration of anesthesia with propofol in rats. <i>Peptides</i> , 1996, 17, 293-297.	2.4	5
68	Prostacyclin Affects the Relation Between Brain Interstitial Glycerol and Cerebrovascular Pressure Reactivity in Severe Traumatic Brain Injury. <i>Neurocritical Care</i> , 2019, 31, 494-500.	2.4	5
69	Cerebrospinal fluid lactate and neurological outcome after subarachnoid haemorrhage. <i>Journal of Clinical Neuroscience</i> , 2019, 60, 63-67.	1.5	5
70	Cerebrovascular Effects of the TRH Analogues pGlu-3-methyl-His-Pro Amide and pGlu-Glu-Pro Amide: A Comparison with TRH. <i>Uppsala Journal of Medical Sciences</i> , 2000, 105, 73-84.	0.9	4
71	Nimodipine Affects the Microcirculation and Modulates the Vascular Effects of Acetylcholinesterase Inhibition. <i>Uppsala Journal of Medical Sciences</i> , 2003, 108, 141-149.	0.9	4
72	Nitric oxide inhibition by L-NAME but not 7-NI induces a transient increase in cortical cerebral blood flow and affects the cerebrovasodilation induced by TRH. <i>Peptides</i> , 2003, 24, 579-583.	2.4	3

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73	Intracranial Pressure Monitoring Using the Codman MicroSensor. <i>Neurosurgery</i> , 2010, 67, E221.	1.1	3
74	Postural stability in patients with chronic subdural hematoma. <i>Acta Neurochirurgica</i> , 2016, 158, 1479-1485.	1.7	3
75	The Influence of Bilateral Electrical Preganglionic Sympathetic Stimulation on Intra- and Extracranial Blood Flow. <i>Upsala Journal of Medical Sciences</i> , 1987, 92, 185-192.	0.9	2
76	Cerebral microvascular effects of nimodipine in combination with soman. <i>Environmental Toxicology and Pharmacology</i> , 2012, 34, 905-910.	4.0	2
77	Comment on: Early CSF and serum S 100B concentrations for outcome prediction in traumatic brain injury and subarachnoid haemorrhage. <i>Clinical Neurology and Neurosurgery</i> , 2016, 150, 197-198.	1.4	2
78	APOE $\epsilon$ 4 positive patients suffering severe traumatic head injury are more prone to undergo decompressive hemicraniectomy. <i>Journal of Clinical Neuroscience</i> , 2017, 42, 139-142.	1.5	2
79	Correlation of Cerebral and Subcutaneous Glycerol in Severe Traumatic Brain Injury and Association with Tissue Damage. <i>Neurocritical Care</i> , 2022, 36, 993-1001.	2.4	2
80	Leptin levels after subarachnoid haemorrhage are gender dependent. <i>SpringerPlus</i> , 2016, 5, 667.	1.2	1
81	Analysis of Codman microcerebrospinal fluid shunt. <i>Brain and Behavior</i> , 2018, 8, e01002.	2.2	1
82	Refeeding syndrome: multimodal monitoring and clinical manifestation of an internal severe neurotrauma. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 569-576.	1.6	1
83	Intrasellar pressure in patients with pituitary adenoma – relation to tumour size and growth pattern. <i>BMC Neurology</i> , 2022, 22, 82.	1.8	1
84	The neuropeptide TRH has a minor effect on the enzymatic activity of acetylcholinesterase in vitro. <i>Peptides</i> , 1998, 19, 1675-1677.	2.4	0
85	In Reply. <i>Neurosurgery</i> , 2010, 67, E1864.	1.1	0
86	CSF Drainage. , 2012, , 285-287.		0
87	CSF Drainage. , 2020, , 429-432.		0