

# Laszlo Vutskits

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

2,870  
citations

218592

26  
h-index

175177

52  
g-index

92  
all docs

92  
docs citations

92  
times ranked

2849  
citing authors

#	ARTICLE	IF	CITATIONS
1	Noninvasive cardiac output monitoring during anaesthesia and surgery in young children using electrical cardiometry: an observational study. <i>British Journal of Anaesthesia</i> , 2022, 128, e235-e238.	1.5	3
2	Near-infrared spectroscopy: More than just monitoring brain oxygenation. <i>Paediatric Anaesthesia</i> , 2022, 32, 394-395.	0.6	1
3	Response to letter from Linnqvist et al. on our recent Editorial "Near Infrared Spectroscopy: More Than Just Monitoring Brain Oxygenation". <i>Paediatric Anaesthesia</i> , 2022, 32, 688-688.	0.6	0
4	Perioperative critical events and morbidity associated with anesthesia in early life: Subgroup analysis of United Kingdom participation in the Neonate and Children audit of Anaesthesia Practice IN Europe (<sc>NECTARINE</sc>) prospective multicenter observational study. <i>Paediatric Anaesthesia</i> , 2022, 32, 801-814.	0.6	7
5	Isoelectric Electroencephalography in Infants and Toddlers during Anesthesia for Surgery: An International Observational Study. <i>Anesthesiology</i> , 2022, 137, 187-200.	1.3	13
6	Apoptosis and Neurocognitive Effects of Intravenous Anesthetics. , 2021, , 657-664.		0
7	Carbonic anhydrase seven bundles filamentous actin and regulates dendritic spine morphology and density. <i>EMBO Reports</i> , 2021, 22, e50145.	2.0	5
8	Anaesthesia, neural activity, and brain development: interneurons in the spotlight. <i>British Journal of Anaesthesia</i> , 2021, 126, 1084-1085.	1.5	1
9	Morbidity and mortality after anaesthesia in early life: results of the European prospective multicentre observational study, neonate and children audit of anaesthesia practice in Europe (NECTARINE). <i>British Journal of Anaesthesia</i> , 2021, 126, 1157-1172.	1.5	81
10	General Anesthesia and Progression of Parkinson Disease: A Shaky Association. <i>Anesthesia and Analgesia</i> , 2021, 133, 1138-1139.	1.1	0
11	An approach to using pharmacokinetics and electroencephalography for propofol anesthesia for surgery in infants. <i>Paediatric Anaesthesia</i> , 2020, 30, 1299-1307.	0.6	9
12	A systematic review of outcomes reported in pediatric perioperative research: A report from the Pediatric Perioperative Outcomes Group. <i>Paediatric Anaesthesia</i> , 2020, 30, 1166-1182.	0.6	20
13	Loss of non-canonical KCC 2 functions promotes developmental apoptosis of cortical projection neurons. <i>EMBO Reports</i> , 2020, 21, e48880.	2.0	15
14	Standards for preclinical research and publications in developmental anaesthetic neurotoxicity: expert opinion statement from the SmartTots preclinical working group. <i>British Journal of Anaesthesia</i> , 2020, 124, 585-593.	1.5	26
15	Pediatric perioperative outcomes: Protocol for a systematic literature review and identification of a core outcome set for infants, children, and young people requiring anesthesia and surgery. <i>Paediatric Anaesthesia</i> , 2020, 30, 392-400.	0.6	7
16	GAS, PANDA, and MASK: Reply. <i>Anesthesiology</i> , 2020, 132, 1589-1590.	1.3	1
17	Fluid Fasting in Children. <i>Anesthesiology</i> , 2020, 133, 493-494.	1.3	2
18	Perspectives on Dexmedetomidine Use for Neurosurgical Patients. <i>Journal of Neurosurgical Anesthesiology</i> , 2019, 31, 366-377.	0.6	39

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19	Transient Deregulation of Canonical Wnt Signaling in Developing Pyramidal Neurons Leads to Dendritic Defects and Impaired Behavior. <i>Cell Reports</i> , 2019, 27, 1487-1502.e6.	2.9	7
20	Statistical Analysis Plan for "An international multicenter study of isoelectric electroencephalography events in infants and young children during anesthesia for surgery" Paediatric Anaesthesia, 2019, 29, 243-249.	0.6	7
21	Reporting Laboratory and Animal Research in Anesthesiology. <i>Anesthesiology</i> , 2019, 131, 949-952.	1.3	11
22	GAS, PANDA, and MASK. <i>Anesthesiology</i> , 2019, 131, 762-764.	1.3	54
23	An open label pilot study of a dexmedetomidine/remifentanyl caudal anesthetic for infant lower abdominal/lower extremity surgery: The T REX pilot study. <i>Paediatric Anaesthesia</i> , 2019, 29, 59-67.	0.6	33
24	Pediatric perioperative outcomes group: Defining core outcomes for pediatric anesthesia and perioperative medicine. <i>Paediatric Anaesthesia</i> , 2018, 28, 314-315.	0.6	18
25	Development of inhibitory synaptic inputs on layer 2/3 pyramidal neurons in the rat medial prefrontal cortex. <i>Brain Structure and Function</i> , 2018, 223, 1999-2012.	1.2	14
26	General Anesthetics to Treat Major Depressive Disorder: Clinical Relevance and Underlying Mechanisms. <i>Anesthesia and Analgesia</i> , 2018, 126, 208-216.	1.1	15
27	Efficacy and Safety of a Rapid Intravenous Injection of Ketamine 0.5 mg/kg in Treatment-Resistant Major Depression. <i>Journal of Clinical Psychopharmacology</i> , 2018, 38, 590-597.	0.7	32
28	Targeting Microglia. <i>Anesthesiology</i> , 2018, 129, 232-234.	1.3	1
29	SmartTots. <i>Anesthesia and Analgesia</i> , 2018, 126, 1124-1126.	1.1	0
30	When the Safe Alternative Is Not That Safe: Tramadol Prescribing in Children. <i>Frontiers in Pharmacology</i> , 2018, 9, 148.	1.6	34
31	Anesthesia and the developing brain: A way forward for laboratory and clinical research. <i>Paediatric Anaesthesia</i> , 2018, 28, 758-763.	0.6	77
32	Update on developmental anesthesia neurotoxicity. <i>Current Opinion in Anaesthesiology</i> , 2017, 30, 337-342.	0.9	84
33	K-Cl Cotransporter 2-mediated Cl <sup>-</sup> Extrusion Determines Developmental Stage-dependent Impact of Propofol Anesthesia on Dendritic Spines. <i>Anesthesiology</i> , 2017, 126, 855-867.	1.3	21
34	The new FDA drug safety communication on the use of general anesthetics in young children: what should we make of it?. <i>Paediatric Anaesthesia</i> , 2017, 27, 336-337.	0.6	19
35	Perioperative Hypotension in Infants: Insights From the GAS Study. <i>Anesthesia and Analgesia</i> , 2017, 125, 719-720.	1.1	10
36	Apoptosis and Neurocognitive Effects of IV Anesthetics. , 2017, , 797-803.		0

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37	More Than Anyone Else. <i>Anesthesiology</i> , 2016, 124, 758-760.	1.3	7
38	Reply to Hooijmans, Carlijn; Wever, Kimberley; Ritskes-de Hoitinga, Merel; Scheffer, Gert Jan, regarding their comment "The usefulness of systematic reviews of animal studies; shooting the messenger" <sup>TM</sup> . <i>Paediatric Anaesthesia</i> , 2016, 26, 853-854.	0.6	0
39	Lasting impact of general anaesthesia on the brain: mechanisms and relevance. <i>Nature Reviews Neuroscience</i> , 2016, 17, 705-717.	4.9	371
40	What lessons for clinical practice can be learned from systematic reviews of animal studies? The case of anesthetic neurotoxicity. <i>Paediatric Anaesthesia</i> , 2016, 26, 4-5.	0.6	11
41	Acute and Long-Term Effects of Brief Sevoflurane Anesthesia During the Early Postnatal Period in Rats. <i>Toxicological Sciences</i> , 2016, 149, 121-133.	1.4	55
42	Safe Anesthesia For Every Tot " The SAFETOTS initiative. <i>Current Opinion in Anaesthesiology</i> , 2015, 28, 302-307.	0.9	101
43	Impact of propofol anaesthesia on cytokine expression profiles in the developing rat brain. <i>European Journal of Anaesthesiology</i> , 2015, 32, 336-345.	0.7	20
44	Imaging the Progression of Anesthetic-induced Neurotoxicity. <i>Anesthesiology</i> , 2015, 123, 497-498.	1.3	1
45	Staying away from the edge " cerebral oximetry guiding blood pressure management. <i>Paediatric Anaesthesia</i> , 2015, 25, 654-655.	0.6	10
46	Developmental stage-dependent impact of midazolam on calbindin, calretinin and parvalbumin expression in the immature rat medial prefrontal cortex during the brain growth spurt. <i>International Journal of Developmental Neuroscience</i> , 2015, 45, 19-28.	0.7	11
47	Systemic physiology and neuroapoptotic profiles in young and adult rats exposed to surgery: A randomized controlled study comprising four different anaesthetic techniques. <i>International Journal of Developmental Neuroscience</i> , 2015, 45, 11-18.	0.7	11
48	Early Exposure to Volatile Anesthetics Impairs Long-Term Associative Learning and Recognition Memory. <i>PLoS ONE</i> , 2014, 9, e105340.	1.1	47
49	Cerebral blood flow in the neonate. <i>Paediatric Anaesthesia</i> , 2014, 24, 22-29.	0.6	65
50	Pushing the Standards Forward. <i>Anesthesia and Analgesia</i> , 2014, 119, 1029-1031.	1.1	5
51	A variant of <i>KCC2</i> from patients with febrile seizures impairs neuronal Cl <sup>-</sup> extrusion and dendritic spine formation. <i>EMBO Reports</i> , 2014, 15, 723-729.	2.0	163
52	General anesthetics in brain injury: friends or foes?. <i>Current Pharmaceutical Design</i> , 2014, 20, 4203-10.	0.9	5
53	An Ion Transport-Independent Role for the Cation-Chloride Cotransporter KCC2 in Dendritic Spinogenesis In Vivo. <i>Cerebral Cortex</i> , 2013, 23, 378-388.	1.6	98
54	Use of Therapeutic Surfactant Lavage in a Preterm Infant with Massive Pulmonary Hemorrhage. <i>Clinics and Practice</i> , 2012, 2, 184-186.	0.6	2

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55	Effects of Morphine on the Differentiation and Survival of Developing Pyramidal Neurons During the Brain Growth Spurt. <i>Toxicological Sciences</i> , 2012, 130, 168-179.	1.4	21
56	General Anesthesia. <i>Anesthesia and Analgesia</i> , 2012, 115, 1174-1182.	1.1	52
57	Anesthetics and the developing brain: time for a change in practice? A pro/con debate. <i>Paediatric Anaesthesia</i> , 2012, 22, 973-980.	0.6	45
58	Anesthetic-Related Neurotoxicity and the Developing Brain. <i>Paediatric Drugs</i> , 2012, 14, 13-21.	1.3	23
59	Developmental Stage-dependent Persistent Impact of Propofol Anesthesia on Dendritic Spines in the Rat Medial Prefrontal Cortex. <i>Anesthesiology</i> , 2011, 115, 282-293.	1.3	209
60	Bilateral whisker trimming during early postnatal life impairs dendritic spine development in the mouse somatosensory barrel cortex. <i>Journal of Comparative Neurology</i> , 2010, 518, 1711-1723.	0.9	29
61	Volatile Anesthetics Rapidly Increase Dendritic Spine Density in the Rat Medial Prefrontal Cortex during Synaptogenesis. <i>Anesthesiology</i> , 2010, 112, 546-556.	1.3	221
62	Anesthetics Rapidly Promote Synaptogenesis during a Critical Period of Brain Development. <i>PLoS ONE</i> , 2009, 4, e7043.	1.1	151
63	Plasma Concentrations of Brain-derived Neurotrophic Factor in Patients Undergoing Minor Surgery: A Randomized Controlled Trial. <i>Neurochemical Research</i> , 2008, 33, 1325-1331.	1.6	16
64	Adverse Effects of Methylene Blue on the Central Nervous System. <i>Anesthesiology</i> , 2008, 108, 684-692.	1.3	144
65	Low concentrations of ketamine initiate dendritic atrophy of differentiated GABAergic neurons in culture. <i>Toxicology</i> , 2007, 234, 216-226.	2.0	57
66	Effects of ketamine on the developing central nervous system. <i>Ideggyogyaszati Szemle</i> , 2007, 60, 109-12.	0.4	5
67	Anesthesia management in a young child with aromatic l-amino acid decarboxylase deficiency. <i>Paediatric Anaesthesia</i> , 2006, 16, 82-84.	0.6	8
68	The Polysialylated Neural Cell Adhesion Molecule Promotes Neurogenesis in vitro. <i>Neurochemical Research</i> , 2006, 31, 215-225.	1.6	35
69	Effect of Ketamine on Dendritic Arbor Development and Survival of Immature GABAergic Neurons In Vitro. <i>Toxicological Sciences</i> , 2006, 91, 540-549.	1.4	94
70	Clinically Relevant Concentrations of Propofol but Not Midazolam Alter In Vitro Dendritic Development of Isolated $\hat{I}^3$ -Aminobutyric Acid-positive Interneurons. <i>Anesthesiology</i> , 2005, 102, 970-976.	1.3	109