

# Lauri M Louhivuori

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

944  
citations

516710

16  
h-index

454955

30  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1776  
citing authors

#	ARTICLE	IF	CITATIONS
1	Whole-tissue biopsy phenotyping of three-dimensional tumours reveals patterns of cancer heterogeneity. <i>Nature Biomedical Engineering</i> , 2017, 1, 796-806.	22.5	131
2	Reduction of BDNF expression in <i>Fmr1</i> knockout mice worsens cognitive deficits but improves hyperactivity and sensorimotor deficits. <i>Genes, Brain and Behavior</i> , 2012, 11, 513-523.	2.2	83
3	BDNF and TrkB in neuronal differentiation of <i>Fmr1</i> -knockout mouse. <i>Neurobiology of Disease</i> , 2011, 41, 469-480.	4.4	81
4	TRPA1 channel activation induces cholecystokinin release via extracellular calcium. <i>FEBS Letters</i> , 2008, 582, 229-232.	2.8	78
5	Altered interplay between endoplasmic reticulum and mitochondria in Charcot-Marie-Tooth type 2A neuropathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2328-2337.	7.1	73
6	Orexin-A-induced Ca <sup>2+</sup> Entry. <i>Journal of Biological Chemistry</i> , 2005, 280, 1771-1781.	3.4	65
7	The Orexin OX1 Receptor Regulates Ca <sup>2+</sup> Entry via Diacylglycerol-Activated Channels in Differentiated Neuroblastoma Cells. <i>Journal of Neuroscience</i> , 2006, 26, 10658-10666.	3.6	51
8	Single cell analysis of autism patient with bi-allelic <i>NRXN1</i> -alpha deletion reveals skewed fate choice in neural progenitors and impaired neuronal functionality. <i>Experimental Cell Research</i> , 2019, 383, 111469.	2.6	39
9	Differentiation dependent expression of TRPA1 and TRPM8 channels in IMR32 human neuroblastoma cells. <i>Journal of Cellular Physiology</i> , 2009, 221, 67-74.	4.1	31
10	Effect of glutamate receptor antagonists on migrating neural progenitor cells. <i>European Journal of Neuroscience</i> , 2013, 37, 1369-1382.	2.6	30
11	Role of Low Voltage Activated Calcium Channels in Neuritogenesis and Active Migration of Embryonic Neural Progenitor Cells. <i>Stem Cells and Development</i> , 2013, 22, 1206-1219.	2.1	29
12	Brain-derived neurotrophic factor increases the motility of a particular N-methyl-d-aspartate /GABA-responsive subset of neural progenitor cells. <i>Neuroscience</i> , 2012, 224, 223-234.	2.3	24
13	Selective interference with TRPC3/6 channels disrupts OX1 receptor signalling via NCX and reveals a distinct calcium influx pathway. <i>Cell Calcium</i> , 2010, 48, 114-123.	2.4	23
14	Peroxisome proliferator-activated receptor- $\gamma$ coactivator-1 $\alpha$ mediates neuroprotection against excitotoxic brain injury in transgenic mice: role of mitochondria and $\chi$ -linked inhibitor of apoptosis protein. <i>European Journal of Neuroscience</i> , 2016, 43, 626-639.	2.6	23
15	Radiation Triggers a Dynamic Sequence of Transient Microglial Alterations in Juvenile Brain. <i>Cell Reports</i> , 2020, 31, 107699.	6.4	23
16	Tissue Plasminogen Activator Contributes to Alterations of Neuronal Migration and Activity-Dependent Responses in Fragile X Mice. <i>Journal of Neuroscience</i> , 2014, 34, 1916-1923.	3.6	22
17	Three-dimensional single-cell imaging for the analysis of RNA and protein expression in intact tumour biopsies. <i>Nature Biomedical Engineering</i> , 2020, 4, 875-888.	22.5	21
18	Regulation of radial glial process growth by glutamate via mGluR5/TRPC3 and neuregulin/ErbB4. <i>Glia</i> , 2018, 66, 94-107.	4.9	17

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19	Mapping genes for calcium signaling and their associated human genetic disorders. <i>Bioinformatics</i> , 2017, 33, 2547-2554.	4.1	16
20	Transient Receptor Potential Channels and Their Role in Modulating Radial Glial–Neuronal Interaction: A Signaling Pathway Involving mGluR5. <i>Stem Cells and Development</i> , 2015, 24, 701-713.	2.1	15
21	Disrupted <i>Cacna1c</i> gene expression perturbs spontaneous Ca <sup>2+</sup> activity causing abnormal brain development and increased anxiety. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	15
22	Effects of acute hypoxia/acidosis on intracellular pH in differentiating neural progenitor cells. <i>Brain Research</i> , 2012, 1461, 10-23.	2.2	10
23	The T-type Ca <sup>2+</sup> Channel Cav3.2 Regulates Differentiation of Neural Progenitor Cells during Cortical Development via Caspase-3. <i>Neuroscience</i> , 2019, 402, 78-89.	2.3	9
24	BCG-induced cytokine release in bladder cancer cells is regulated by Ca <sup>2+</sup> signaling. <i>Molecular Oncology</i> , 2019, 13, 202-211.	4.6	9
25	Small-world connectivity dictates collective endothelial cell signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2118927119.	7.1	9
26	Endocannabinoid Signaling in Embryonic Neuronal Motility and Cell–Cell Contact – Role of mGluR5 and TRPC3 Channels. <i>Neuroscience</i> , 2018, 375, 135-148.	2.3	7
27	GIT1 protects against breast cancer growth through negative regulation of Notch. <i>Nature Communications</i> , 2022, 13, 1537.	12.8	5
28	Glycosylphosphatidylinositol (GPI)-anchoring of mamba toxins enables cell-restricted receptor silencing. <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 93-97.	2.1	1
29	Predicting a tumour's drug uptake. <i>Nature Biomedical Engineering</i> , 2018, 2, 717-718.	22.5	1
30	Neurotransmitters and Endothelins Acting on Radial Glial G-Protein-Coupled Receptors Are, Through Proteolytic NRG/ErbB4 Activation, Able to Modify the Migratory Behavior of Neocortical Cells and Mediate Bipolar-to-Multipolar Transition. <i>Stem Cells and Development</i> , 2020, 29, 1160-1177.	2.1	1