

# Maria K Lehtinen

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

4,278  
citations

236833

25  
h-index

265120

42  
g-index

57  
all docs

57  
docs citations

57  
times ranked

6561  
citing authors

#	ARTICLE	IF	CITATIONS
1	Disruption of GMNC-MCIDAS multiciliogenesis program is critical in choroid plexus carcinoma development. <i>Cell Death and Differentiation</i> , 2022, 29, 1596-1610.	5.0	7
2	Young cerebrospinal fluid improves memory in old mice. <i>Nature</i> , 2022, 605, 428-429.	13.7	2
3	Experimental approaches for manipulating choroid plexus epithelial cells. <i>Fluids and Barriers of the CNS</i> , 2022, 19, .	2.4	17
4	A cellular and spatial map of the choroid plexus across brain ventricles and ages. <i>Cell</i> , 2021, 184, 3056-3074.e21.	13.5	150
5	MEIS-WNT5A axis regulates development of fourth ventricle choroid plexus. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	13
6	Macrophages on the margin: choroid plexus immune responses. <i>Trends in Neurosciences</i> , 2021, 44, 864-875.	4.2	37
7	Choroid plexus NKCC1 mediates cerebrospinal fluid clearance during mouse early postnatal development. <i>Nature Communications</i> , 2021, 12, 447.	5.8	67
8	Mitochondria in Early Forebrain Development: From Neurulation to Mid-Corticogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 780207.	1.8	10
9	Inflammation of the Embryonic Choroid Plexus Barrier following Maternal Immune Activation. <i>Developmental Cell</i> , 2020, 55, 617-628.e6.	3.1	57
10	Tracking Calcium Dynamics and Immune Surveillance at the Choroid Plexus Blood-Cerebrospinal Fluid Interface. <i>Neuron</i> , 2020, 108, 623-639.e10.	3.8	56
11	Choroid Plexus Organoids: Harnessing CSF Gatekeepers for Brain Therapeutics. <i>Cell Stem Cell</i> , 2020, 27, 191-192.	5.2	3
12	Cerebrospinal Fluid Magnetic Resonance Imaging: Improving Early Diagnosis of Autism and Other Neurodevelopmental Conditions. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 635-637.	1.1	1
13	Emergence and Developmental Roles of the Cerebrospinal Fluid System. <i>Developmental Cell</i> , 2020, 52, 261-275.	3.1	126
14	Targeting Peripheral Somatosensory Neurons to Improve Tactile-Related Phenotypes in ASD Models. <i>Cell</i> , 2019, 178, 867-886.e24.	13.5	160
15	Concerted metabolic shift in early forebrain alters the CSF proteome and depends on cMYC downregulation for mitochondrial maturation. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	25
16	Spatiotemporal Gradient of Cortical Neuron Death Contributes to Microcephaly in Knock-In Mouse Model of Ligase 4 Syndrome. <i>American Journal of Pathology</i> , 2019, 189, 2440-2449.	1.9	2
17	Sister, Sister: Ependymal Cells and Adult Neural Stem Cells Are Separated at Birth by Geminin Family Members. <i>Neuron</i> , 2019, 102, 278-279.	3.8	3
18	Regulation of brain development by the choroid plexus and cerebrospinal fluid. <i>FASEB Journal</i> , 2019, 33, 208.1.	0.2	0

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19	Mice Expressing Myc in Neural Precursors Develop Choroid Plexus and Ciliary Body Tumors. <i>American Journal of Pathology</i> , 2018, 188, 1334-1344.	1.9	16
20	The ESCRT-III Protein CHMP1A Mediates Secretion of Sonic Hedgehog on a Distinctive Subtype of Extracellular Vesicles. <i>Cell Reports</i> , 2018, 24, 973-986.e8.	2.9	79
21	Downregulation of ribosome biogenesis during early forebrain development. <i>ELife</i> , 2018, 7, .	2.8	72
22	Sodium Channel SCN3A (NaV1.3) Regulation of Human Cerebral Cortical Folding and Oral Motor Development. <i>Neuron</i> , 2018, 99, 905-913.e7.	3.8	109
23	Adolescent obesity thwarts lifelong sleep. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	0
24	ZNHIT3 is defective in PEHO syndrome, a severe encephalopathy with cerebellar granule neuron loss. <i>Brain</i> , 2017, 140, 1267-1279.	3.7	23
25	The brain's matchmakers. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	0
26	Filtering more than light in the developing retina. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	0
27	Say good night to your pain. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	0
28	Shining new light on migraine. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	0
29	Cellular eyelashes help striatal neurons hook up. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	0
30	Going with your gut in multiple sclerosis. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	0
31	Epilepsy clocks in. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	1
32	Retrograde fibroblast growth factor 22 (FGF22) signaling regulates insulin-like growth factor 2 (IGF2) expression for activity-dependent synapse stabilization in the mammalian brain. <i>ELife</i> , 2016, 5, .	2.8	37
33	Comment on "Multiple repressive mechanisms in the hippocampus during memory formation". <i>Science</i> , 2016, 353, 453-453.	6.0	12
34	Unverricht-Lundborg disease. <i>Epileptic Disorders</i> , 2016, 18, 28-37.	0.7	46
35	CSF Makes Waves in the Neural Stem Cell Niche. <i>Cell Stem Cell</i> , 2016, 19, 565-566.	5.2	5
36	Sonic Hedgehog promotes proliferation of Notch-dependent monociliated choroid plexus tumour cells. <i>Nature Cell Biology</i> , 2016, 18, 418-430.	4.6	59

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37	Zebrafish cerebrospinal fluid mediates cell survival through a retinoid signaling pathway. <i>Developmental Neurobiology</i> , 2016, 76, 75-92.	1.5	33
38	Enlargement of choroid plexus in complex regional pain syndrome. <i>Scientific Reports</i> , 2015, 5, 14329.	1.6	26
39	Progressive Differentiation and Instructive Capacities of Amniotic Fluid and Cerebrospinal Fluid Proteomes following Neural Tube Closure. <i>Developmental Cell</i> , 2015, 35, 789-802.	3.1	77
40	Development and functions of the choroid plexus—cerebrospinal fluid system. <i>Nature Reviews Neuroscience</i> , 2015, 16, 445-457.	4.9	418
41	Spatially Heterogeneous Choroid Plexus Transcriptomes Encode Positional Identity and Contribute to Regional CSF Production. <i>Journal of Neuroscience</i> , 2015, 35, 4903-4916.	1.7	138
42	The Choroid Plexus and Cerebrospinal Fluid: Emerging Roles in Development, Disease, and Therapy. <i>Journal of Neuroscience</i> , 2013, 33, 17553-17559.	1.7	151
43	Isolation of Cerebrospinal Fluid from Rodent Embryos for use with Dissected Cerebral Cortical Explants. <i>Journal of Visualized Experiments</i> , 2013, , e50333.	0.2	12
44	Somatic Activation of AKT3 Causes Hemispheric Developmental Brain Malformations. <i>Neuron</i> , 2012, 74, 41-48.	3.8	413
45	Adult Neurogenesis: VCAM Stems the Tide. <i>Cell Stem Cell</i> , 2012, 11, 137-138.	5.2	2
46	The cerebrospinal fluid: regulator of neurogenesis, behavior, and beyond. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 2863-2878.	2.4	135
47	Neurogenesis at the Brain—Cerebrospinal Fluid Interface. <i>Annual Review of Cell and Developmental Biology</i> , 2011, 27, 653-679.	4.0	175
48	The Cerebrospinal Fluid Provides a Proliferative Niche for Neural Progenitor Cells. <i>Neuron</i> , 2011, 69, 893-905.	3.8	543
49	Proliferative and transcriptional identity of distinct classes of neural precursors in the mammalian olfactory epithelium. <i>Development (Cambridge)</i> , 2010, 137, 2471-2481.	1.2	85
50	The Apical Complex Couples Cell Fate and Cell Survival to Cerebral Cortical Development. <i>Neuron</i> , 2010, 66, 69-84.	3.8	97
51	A Conserved MST-FOXO Signaling Pathway Mediates Oxidative-Stress Responses and Extends Life Span. <i>Cell</i> , 2006, 125, 987-1001.	13.5	758