

Urban Lendahl

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76
papers

7,395
citations

34
h-index

85
g-index

90
ext. papers

9,014
ext. citations

10.5
avg, IF

6.17
L-index

#	Paper	IF	Citations
76	Notch signalling controls pancreatic cell differentiation. <i>Nature</i> , 1999 , 400, 877-81	50.4	980
75	A molecular atlas of cell types and zonation in the brain vasculature. <i>Nature</i> , 2018 , 554, 475-480	50.4	734
74	Notch signaling: simplicity in design, versatility in function. <i>Development (Cambridge)</i> , 2011 , 138, 3593-6126	12.6	661
73	Notch signaling mediates hypoxia-induced tumor cell migration and invasion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 6392-7	11.5	616
72	Notch Signaling in Development, Tissue Homeostasis, and Disease. <i>Physiological Reviews</i> , 2017 , 97, 1235-1294	17.9	394
71	Therapeutic modulation of Notch signalling--are we there yet?. <i>Nature Reviews Drug Discovery</i> , 2014 , 13, 357-78	64.1	335
70	Abnormal reaction to central nervous system injury in mice lacking glial fibrillary acidic protein and vimentin. <i>Journal of Cell Biology</i> , 1999 , 145, 503-14	7.3	323
69	The Notch intracellular domain is ubiquitinated and negatively regulated by the mammalian Sel-10 homolog. <i>Journal of Biological Chemistry</i> , 2001 , 276, 35847-53	5.4	312
68	The novel Notch homologue mouse Notch 3 lacks specific epidermal growth factor-repeats and is expressed in proliferating neuroepithelium. <i>Mechanisms of Development</i> , 1994 , 46, 123-36	1.7	281
67	Generating specificity and diversity in the transcriptional response to hypoxia. <i>Nature Reviews Genetics</i> , 2009 , 10, 821-32	30.1	270
66	Single-cell RNA sequencing of mouse brain and lung vascular and vessel-associated cell types. <i>Scientific Data</i> , 2018 , 5, 180160	8.2	167
65	An evolutionarily conserved region in the second intron of the human nestin gene directs gene expression to CNS progenitor cells and to early neural crest cells. <i>European Journal of Neuroscience</i> , 1997 , 9, 452-62	3.5	140
64	Notch signaling regulates platelet-derived growth factor receptor-beta expression in vascular smooth muscle cells. <i>Circulation Research</i> , 2008 , 102, 1483-91	15.7	136
63	Adult nestin-expressing subependymal cells differentiate to astrocytes in response to brain injury. <i>European Journal of Neuroscience</i> , 1997 , 9, 65-75	3.5	132
62	The expression of intermediate filament protein nestin as related to vimentin and desmin in regenerating skeletal muscle. <i>Journal of Neuropathology and Experimental Neurology</i> , 2001 , 60, 588-97	3.1	127
61	Notch and neurogenesis. <i>Journal of Neuroscience Research</i> , 1998 , 54, 125-36	4.4	123
60	Retinoid-X receptor signalling in the developing spinal cord. <i>Nature</i> , 1998 , 395, 398-402	50.4	117

59	Human Fis1 regulates mitochondrial dynamics through inhibition of the fusion machinery. <i>EMBO Journal</i> , 2019 , 38,	13	112
58	Hypo- and hyperactivated Notch signaling induce a glycolytic switch through distinct mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 18814-9	11.5	83
57	Single-cell analysis uncovers fibroblast heterogeneity and criteria for fibroblast and mural cell identification and discrimination. <i>Nature Communications</i> , 2020 , 11, 3953	17.4	82
56	Notch3 is necessary for blood vessel integrity in the central nervous system. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 409-20	9.4	71
55	High levels of Notch signaling down-regulate Numb and Numlike. <i>Journal of Cell Biology</i> , 2006 , 175, 535-40	7.3	71
54	Lack of Evidence of Angiotensin-Converting Enzyme 2 Expression and Replicative Infection by SARS-CoV-2 in Human Endothelial Cells. <i>Circulation</i> , 2021 , 143, 865-868	16.7	67
53	Control of Notch-ligand endocytosis by ligand-receptor interaction. <i>Journal of Cell Science</i> , 2010 , 123, 2931-42	5.3	56
52	Mouse Model of Alagille Syndrome and Mechanisms of Jagged1 Missense Mutations. <i>Gastroenterology</i> , 2018 , 154, 1080-1095	13.3	55
51	MIEF1/2 function as adaptors to recruit Drp1 to mitochondria and regulate the association of Drp1 with Mff. <i>Scientific Reports</i> , 2017 , 7, 880	4.9	52
50	Emerging links between cerebrovascular and neurodegenerative diseases-a special role for pericytes. <i>EMBO Reports</i> , 2019 , 20, e48070	6.5	51
49	Impact of Epithelial-Stromal Interactions on Peritumoral Fibroblasts in Ductal Carcinoma in Situ. <i>Journal of the National Cancer Institute</i> , 2019 , 111, 983-995	9.7	47
48	Domain-specific control of neurogenesis achieved through patterned regulation of Notch ligand expression. <i>Development (Cambridge)</i> , 2010 , 137, 437-45	6.6	47
47	Lipopolysaccharide-dependent transactivation of the temporally regulated immunoglobulin heavy chain 3 enhancer. <i>European Journal of Immunology</i> , 1994 , 24, 1671-7	6.1	46
46	Pericyte-specific vascular expression of SARS-CoV-2 receptor ACE2 implications for microvascular inflammation and hypercoagulopathy in COVID-19		45
45	Regulation of Mammalian Mitochondrial Dynamics: Opportunities and Challenges. <i>Frontiers in Endocrinology</i> , 2020 , 11, 374	5.7	41
44	Phosphorylation of Notch1 by Pim kinases promotes oncogenic signaling in breast and prostate cancer cells. <i>Oncotarget</i> , 2016 , 7, 43220-43238	3.3	38
43	Notch -- a goldilocks signaling pathway in disease and cancer therapy. <i>Discovery Medicine</i> , 2016 , 21, 189-205		37
42	Pediatric rhabdomyosarcomas express the intermediate filament nestin. <i>Pediatric Research</i> , 1998 , 43, 386-92	3.2	33

41	Transient expression of a human beta-actin promoter/lacZ gene introduced into mouse embryos correlates with a low degree of methylation. <i>Molecular Reproduction and Development</i> , 1993 , 34, 149-57	2.6	32
40	PKC β regulates Notch receptor routing and activity in a Notch signaling-dependent manner. <i>Cell Research</i> , 2014 , 24, 433-50	24.7	31
39	A growing family of Notch ligands. <i>BioEssays</i> , 1998 , 20, 103-7	4.1	30
38	Triggering of a Dll4-Notch1 loop impairs wound healing in diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6985-6994	11.5	29
37	The phosphorylation status of Ser-637 in dynamin-related protein 1 (Drp1) does not determine Drp1 recruitment to mitochondria. <i>Journal of Biological Chemistry</i> , 2019 , 294, 17262-17277	5.4	26
36	Fetal ventral mesencephalon of human and rat origin maintained in vitro and transplanted to 6-hydroxydopamine-lesioned rats gives rise to grafts rich in dopaminergic neurons. <i>Experimental Brain Research</i> , 1996 , 112, 47-57	2.3	23
35	Notch and Wnt Dysregulation and Its Relevance for Breast Cancer and Tumor Initiation. <i>Biomedicines</i> , 2018 , 6,	4.8	23
34	Human ISL1 Ventricular Progenitors Self-Assemble into an In Vivo Functional Heart Patch and Preserve Cardiac Function Post Infarction. <i>Molecular Therapy</i> , 2018 , 26, 1644-1659	11.7	22
33	Loss of CSL Unlocks a Hypoxic Response and Enhanced Tumor Growth Potential in Breast Cancer Cells. <i>Stem Cell Reports</i> , 2016 , 6, 643-651	8	22
32	Role of NOTCH3 Mutations in the Cerebral Small Vessel Disease Cerebral Autosomal Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy. <i>Stroke</i> , 2018 , 49, 2793-2800	6.7	22
31	Oh no, Notch again!. <i>BioEssays</i> , 2001 , 23, 3-7	4.1	21
30	An Eya1-Notch axis specifies bipotential epibranchial differentiation in mammalian craniofacial morphogenesis. <i>ELife</i> , 2017 , 6,	8.9	21
29	Peri-arterial specification of vascular mural cells from naïve mesenchyme requires Notch signaling. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	21
28	The interplay between the cellular hypoxic response and Notch signaling. <i>Experimental Cell Research</i> , 2017 , 356, 146-151	4.2	18
27	Oh no, Notch again! 2001 , 23, 3		18
26	Cartilage Oligomeric Matrix Protein initiates cancer stem cells through activation of Jagged1-Notch3 signaling. <i>Matrix Biology</i> , 2019 , 81, 107-121	11.4	16
25	Transgenic analysis of central nervous system development and regeneration. <i>Acta Anaesthesiologica Scandinavica</i> , 1997 , 110, 116-8	1.9	15
24	Cholangiopathies - Towards a molecular understanding. <i>EBioMedicine</i> , 2018 , 35, 381-393	8.8	13

23	Beta-amyloid deposition around hepatic bile ducts is a novel pathobiological and diagnostic feature of biliary atresia. <i>Journal of Hepatology</i> , 2020 , 73, 1391-1403	13.4	12
22	A new member of a secretory protein gene family in the dipteran <i>Chironomus tentans</i> has a variant repeat structure. <i>Journal of Molecular Evolution</i> , 1990 , 31, 40-50	3.1	12
21	Notch signaling promotes a HIF2 α -driven hypoxic response in multiple tumor cell types. <i>Oncogene</i> , 2018 , 37, 6083-6095	9.2	11
20	Canonical Notch signaling is dispensable for adult steady-state and stress myelo-erythropoiesis. <i>Blood</i> , 2018 , 131, 1712-1719	2.2	10
19	Influence of glycosylphosphatidylinositol-linked H-2Dd molecules on target cell protection and natural killer cell specificity in transgenic mice. <i>European Journal of Immunology</i> , 1996 , 26, 2127-32	6.1	8
18	Decoding breast cancer tissue-stroma interactions using species-specific sequencing. <i>Breast Cancer Research</i> , 2015 , 17, 109	8.3	7
17	Endogenous APP accumulates in synapses after BACE1 inhibition. <i>Neuroscience Research</i> , 2016 , 109, 9-15	2.9	5
16	The infantile myofibromatosis NOTCH3 L1519P mutation leads to hyperactivated ligand-independent Notch signaling and increased PDGFRB expression. <i>DMM Disease Models and Mechanisms</i> , 2021 ,	4.1	5
15	Notch signalling regulates epibranchial placode patterning and segregation. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	4
14	Specification of CNS macrophage subsets occurs postnatally in defined niches.. <i>Nature</i> , 2022 ,	50.4	4
13	The Molecular Assembly State of Drp1 Controls its Association With the Mitochondrial Recruitment Receptors Mff and MIEF1/2. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 706687	5.7	3
12	MIEF1/2 orchestrate mitochondrial dynamics through direct engagement with both the fission and fusion machineries. <i>BMC Biology</i> , 2021 , 19, 229	7.3	3
11	Biliary Atresia - emerging diagnostic and therapy opportunities. <i>EBioMedicine</i> , 2021 , 74, 103689	8.8	2
10	Novel Cysteine-Sparing Hypomorphic A1604T Mutation Observed in a Family With Migraine and White Matter Lesions. <i>Neurology: Genetics</i> , 2021 , 7, e584	3.8	2
9	Mouse Models for Diseases in the Cholangiocyte Lineage. <i>Methods in Molecular Biology</i> , 2019 , 1981, 203-226	1.7	1
8	PIM-induced phosphorylation of Notch3 promotes breast cancer tumorigenicity in a CSL-independent fashion. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100593	5.4	1
7	DUCT reveals architectural mechanisms contributing to bile duct recovery in a mouse model for Alagille syndrome. <i>ELife</i> , 2021 , 10,	8.9	1
6	Highly efficient manipulation of nervous system gene expression with NEPTUNE. <i>Cell Reports Methods</i> , 2021 , 1, 100043-100043		1

5	Notch signalling in healthy and diseased vasculature.. <i>Open Biology</i> , 2022 , 12, 220004	7	1
4	Lorenz Poellinger MD, PhD (1957-2016). <i>Cell Death and Differentiation</i> , 2017 , 24, 571	12.7	0
3	Notch activation in the mouse mammary luminal lineage leads to ductal hyperplasia and altered partitioning of luminal cell subtypes. <i>Experimental Cell Research</i> , 2020 , 395, 112156	4.2	0
2	Roles of Notch Signaling in the Tumor Microenvironment. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 6241	6.3	0
1	βSecretase: An Unusual Enzyme with Many Possible Disease Targets, Including Alzheimer's Disease. <i>Methods and Principles in Medicinal Chemistry</i> , 2011 , 325-351	0.4	