Urban Lendahl

List of Publications by Year
in descending order

77 papers	10,424 citations	87886 38 h-index	66906 78 g-index
90 all docs	90 docs citations	90 times ranked	15587 citing authors

#	Article	IF	Citations
1	A molecular atlas of cell types and zonation in the brain vasculature. Nature, 2018, 554, 475-480.	27.8	1,310
2	Notch signalling controls pancreatic cell differentiation. Nature, 1999, 400, 877-881.	27.8	1,075
3	Notch signaling: simplicity in design, versatility in function. Development (Cambridge), 2011, 138, 3593-3612.	2.5	823
4	Notch signaling mediates hypoxia-induced tumor cell migration and invasion. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6392-6397.	7.1	726
5	Notch Signaling in Development, Tissue Homeostasis, and Disease. Physiological Reviews, 2017, 97, 1235-1294.	28.8	658
6	Therapeutic modulation of Notch signalling â€" are we there yet?. Nature Reviews Drug Discovery, 2014, 13, 357-378.	46.4	413
7	Abnormal Reaction to Central Nervous System Injury in Mice Lacking Glial Fibrillary Acidic Protein and Vimentin. Journal of Cell Biology, 1999, 145, 503-514.	5.2	360
8	The Notch Intracellular Domain Is Ubiquitinated and Negatively Regulated by the Mammalian Sel-10 Homolog. Journal of Biological Chemistry, 2001, 276, 35847-35853.	3.4	350
9	Single-cell analysis uncovers fibroblast heterogeneity and criteria for fibroblast and mural cell identification and discrimination. Nature Communications, 2020, 11, 3953.	12.8	316
10	Single-cell RNA sequencing of mouse brain and lung vascular and vessel-associated cell types. Scientific Data, 2018, 5, 180160.	5.3	316
11	Generating specificity and diversity in the transcriptional response to hypoxia. Nature Reviews Genetics, 2009, 10, 821-832.	16.3	310
12	The novel Notch homologue mouse Notch 3 lacks specific epidermal growth factor-repeats and is expressed in proliferating neuroepithelium. Mechanisms of Development, 1994, 46, 123-136.	1.7	302
13	Human Fis1 regulates mitochondrial dynamics through inhibition of the fusion machinery. EMBO Journal, 2019, 38, .	7.8	187
14	Lack of Evidence of Angiotensin-Converting Enzyme 2 Expression and Replicative Infection by SARS-CoV-2 in Human Endothelial Cells. Circulation, 2021, 143, 865-868.	1.6	166
15	Notch Signaling Regulates Platelet-Derived Growth Factor Receptor-Î² Expression in Vascular Smooth Muscle Cells. Circulation Research, 2008, 102, 1483-1491.	4.5	161
16	An Evolutionarily Conserved Region in the Second lntron of the Human Nestin Gene Directs Gene Exmession to CNS Progenitor Cells and to Early Neural Ciest Cells. European Journal of Neuroscience, 1997, 9, 452-462.	2.6	156
17	Adult Nestin-expressing Subependymal Cells Differentiate to Astrocytes in Response to Brain Injury. European Journal of Neuroscience, 1997, 9, 65-75.	2.6	154
18	The Expression of Intermediate Filament protein Nestin as Related to Vimentin and Desmin in Regenerating Skeletal Muscle. Journal of Neuropathology and Experimental Neurology, 2001, 60, 588-597.	1.7	144

#	Article	IF	Citations
19	Notch and neurogenesis. Journal of Neuroscience Research, 1998, 54, 125-136.	2.9	133
20	Retinoid-X receptor signalling in the developing spinal cord. Nature, 1998, 395, 398-402.	27.8	122
21	Hypo- and hyperactivated Notch signaling induce a glycolytic switch through distinct mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18814-18819.	7.1	112
22	Specification of CNS macrophage subsets occurs postnatally in defined niches. Nature, 2022, 604, 740-748.	27.8	107
23	Notch3 Is Necessary for Blood Vessel Integrity in the Central Nervous System. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 409-420.	2.4	106
24	Regulation of Mammalian Mitochondrial Dynamics: Opportunities and Challenges. Frontiers in Endocrinology, 2020, 11, 374.	3.5	97
25	Impact of Epithelialâ€“Stromal Interactions on Peritumoral Fibroblasts in Ductal Carcinoma in Situ. Journal of the National Cancer Institute, 2019, 111, 983-995.	6.3	94
26	Mouse Model of Alagille Syndrome and Mechanisms of Jagged1 Missense Mutations. Gastroenterology, 2018, 154, 1080-1095.	1.3	92
27	Emerging links between cerebrovascular and neurodegenerative diseasesâ€”a special role forÂpericytes. EMBO Reports, 2019, 20, e48070.	4.5	89
28	High levels of Notch signaling down-regulate Numb and Numblike. Journal of Cell Biology, 2006, 175, 535-540.	5.2	76
29	Control of Notch-ligand endocytosis by ligand-receptor interaction. Journal of Cell Science, 2010, 123, 2931-2942.	2.0	66
30	MIEF1/2 function as adaptors to recruit Drp1 to mitochondria and regulate the association of Drp1 with Mff. Scientific Reports, 2017, 7, 880.	3.3	64
31	The phosphorylation status of Ser-637 in dynamin-related protein 1 (Drp1) does not determine Drp1 recruitment to mitochondria. Journal of Biological Chemistry, 2019, 294, 17262-17277.	3.4	59
32	Triggering of a Dll4â€“Notch1 loop impairs wound healing in diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6985-6994.	7.1	58
33	Domain-specific control of neurogenesis achieved through patterned regulation of Notch ligand expression. Development (Cambridge), 2010, 137, 437-445.	2.5	57
34	Lipopolysaccharide-dependent transactivation of the temporally regulated immunoglobulin heavy chain 3â€² enhancer. European Journal of Immunology, 1994, 24, 1671-1677.	2.9	52
35	Notch – a goldilocks signaling pathway in disease and cancer therapy. Discovery Medicine, 2016, 21, 189-96.	0.5	50
36	Phosphorylation of Notch1 by Pim kinases promotes oncogenic signaling in breast and prostate cancer cells. Oncotarget, 2016, 7, 43220-43238.	1.8	49

#	Article	IF	Citations
37	Identification, discrimination and heterogeneity of fibroblasts. Nature Communications, 2022, 13, .	12.8	43
38	Transgenic analysis of central nervous system development and regeneration. Acta Anaesthesiologica Scandinavica, 1997, 41, 116-118.	1.6	42
39	Role of NOTCH3 Mutations in the Cerebral Small Vessel Disease Cerebral Autosomal Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy. Stroke, 2018, 49, 2793-2800.	2.0	42
40	Peri-arterial specification of vascular mural cells from naÃ¯ve mesenchyme requires Notch signaling. Development (Cambridge), 2019, 146, .	2.5	42
41	Pediatric Rhabdomyosarcomas Express the Intermediate Filament Nestin. Pediatric Research, 1998, 43, 386-392.	2.3	41
42	Biliary Atresia â€“ emerging diagnostic and therapy opportunities. EBioMedicine, 2021, 74, 103689.	6.1	41
43	The SARS-CoV-2 receptor ACE2 is expressed in mouse pericytes but not endothelial cells: Implications for COVID-19 vascular research. Stem Cell Reports, 2022, 17, 1089-1104.	4.8	41
44	Human ISL1+ Ventricular Progenitors Self-Assemble into an InÂVivo Functional Heart Patch and Preserve Cardiac Function Post Infarction. Molecular Therapy, 2018, 26, 1644-1659.	8.2	38
45	PKCÎ¶ regulates Notch receptor routing and activity in a Notch signaling-dependent manner. Cell Research, 2014, 24, 433-450.	12.0	37
46	Transient expression of a human ?-actin promoter/lacZ gene introduced into mouse embryos correlates with a low degree of methylation. Molecular Reproduction and Development, 1993, 34, 149-157.	2.0	34
47	A growing family of Notch ligands. BioEssays, 1998, 20, 103-107.	2.5	34
48	Cartilage Oligomeric Matrix Protein initiates cancer stem cells through activation of Jagged1-Notch3 signaling. Matrix Biology, 2019, 81, 107-121.	3.6	32
49	Loss of CSL Unlocks a Hypoxic Response and Enhanced Tumor Growth Potential in Breast Cancer Cells. Stem Cell Reports, 2016, 6, 643-651.	4.8	31
50	Beta-amyloid deposition around hepatic bile ducts is a novel pathobiological and diagnostic feature of biliary atresia. Journal of Hepatology, 2020, 73, 1391-1403.	3.7	31
51	Notch and Wnt Dysregulation and Its Relevance for Breast Cancer and Tumor Initiation. Biomedicines, 2018, 6, 101.	3.2	30
52	Oh no, Notch again!. BioEssays, 2000, 23, 3-7.	2.5	29
53	Cholangiopathies â€“ Towards a molecular understanding. EBioMedicine, 2018, 35, 381-393.	6.1	29
54	Roles of Notch Signaling in the Tumor Microenvironment. International Journal of Molecular Sciences, 2022, 23, 6241.	4.1	29

#	Article	IF	Citations
55	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. Experimental Brain Research, 1996, 112, 47-57.	1.5	27
56	The interplay between the cellular hypoxic response and Notch signaling. Experimental Cell Research, 2017, 356, 146-151.	2.6	27
57	An Eya1-Notch axis specifies bipotential epibranchial differentiation in mammalian craniofacial morphogenesis. ELife, 2017, 6, .	6.0	26
58	Notch signalling in healthy and diseased vasculature. Open Biology, 2022, 12, 220004.	3.6	23
59	Notch signaling promotes a HIF2Î±-driven hypoxic response in multiple tumor cell types. Oncogene, 2018, 37, 6083-6095.	5.9	20
60	Oh no, Notch again!. BioEssays, 2001, 23, 3-7.	2.5	18
61	MIEF1/2 orchestrate mitochondrial dynamics through direct engagement with both the fission and fusion machineries. BMC Biology, 2021, 19, 229.	3.8	18
62	Canonical Notch signaling is dispensable for adult steady-state and stress myelo-erythropoiesis. Blood, 2018, 131, 1712-1719.	1.4	14
63	The Molecular Assembly State of Drp1 Controls its Association With the Mitochondrial Recruitment Receptors Mff and MIEF1/2. Frontiers in Cell and Developmental Biology, 2021, 9, 706687.	3.7	14
64	A new member of a secretory protein gene family in the dipteranChironomus tentans has a variant repeat structure. Journal of Molecular Evolution, 1990, 31, 40-50.	1.8	12
65	Decoding breast cancer tissueâ€“stroma interactions using species-specific sequencing. Breast Cancer Research, 2015, 17, 109.	5.0	11
66	PIM-induced phosphorylation of Notch3 promotes breast cancer tumorigenicity in a CSL-independent fashion. Journal of Biological Chemistry, 2021, 296, 100593.	3.4	9
67	The infantile myofibromatosis NOTCH3 L1519P mutation leads to hyperactivated ligand-independent Notch signaling and increased PDGFRB expression. DMM Disease Models and Mechanisms, 2021, 14, .	2.4	9
68	DUCT reveals architectural mechanisms contributing to bile duct recovery in a mouse model for Alagille syndrome. ELife, 2021, 10, .	6.0	9
69	Influence of glycosylphosphatidylinositolâ€linked Hâ€2D^d molecules on target cell protection and natural killer cell specificity in transgenic mice. European Journal of Immunology, 1996, 26, 2127-2132.	2.9	8
70	Notch activation in the mouse mammary luminal lineage leads to ductal hyperplasia and altered partitioning of luminal cell subtypes. Experimental Cell Research, 2020, 395, 112156.	2.6	7
71	Endogenous APP accumulates in synapses after BACE1 inhibition. Neuroscience Research, 2016, 109, 9-15.	1.9	5
72	Mouse Models for Diseases in the Cholangiocyte Lineage. Methods in Molecular Biology, 2019, 1981, 203-236.	0.9	4

#	Article	IF	Citations
73	Notch signalling regulates epibranchial placode patterning and segregation. Development (Cambridge), 2020, 147, .	2.5	4
74	Novel Cysteine-Sparing Hypomorphic NOTCH3 A1604T Mutation Observed in a Family With Migraine and White Matter Lesions. Neurology: Genetics, 2021, 7, e584.	1.9	3
75	Highly efficient manipulation of nervous system gene expression with NEPTUNE. Cell Reports Methods, 2021, 1, 100043.	2.9	3
76	Lorenz Poellinger MD, PhD (1957â€“2016). Cell Death and Differentiation, 2017, 24, 571-571.	11.2	1
77	100 plus years of stem cell researchâ€”20 years of ISSCR. Stem Cell Reports, 2022, 17, 1248-1267.	4.8	1