Jonas FrisÃ©n

List of Publications by Year
in descending order

76 papers	21,727 citations	41344 49 h-index	69250 77 g-index
85 all docs	85 docs citations	85 times ranked	25625 citing authors

#	Article	IF	Citations
1	Evidence for Cardiomyocyte Renewal in Humans. Science, 2009, 324, 98-102.	12.6	2,679
2	Visualization and analysis of gene expression in tissue sections by spatial transcriptomics. Science, 2016, 353, 78-82.	12.6	1,983
3	Dynamics of fat cell turnover in humans. Nature, 2008, 453, 783-787.	27.8	1,914
4	Identification of a Neural Stem Cell in the Adult Mammalian Central Nervous System. Cell, 1999, 96, 25-34.	28.9	1,785
5	Dynamics of Hippocampal Neurogenesis in Adult Humans. Cell, 2013, 153, 1219-1227.	28.9	1,523
6	Dynamics of Cell Generation and Turnover in the Human Heart. Cell, 2015, 161, 1566-1575.	28.9	923
7	Neurogenesis in the Striatum of the Adult Human Brain. Cell, 2014, 156, 1072-1083.	28.9	786
8	A Pericyte Origin of Spinal Cord Scar Tissue. Science, 2011, 333, 238-242.	12.6	711
9	High-definition spatial transcriptomics for in situ tissue profiling. Nature Methods, 2019, 16, 987-990.	19.0	708
10	Human Adult Neurogenesis: Evidence and Remaining Questions. Cell Stem Cell, 2018, 23, 25-30.	11.1	601
11	Spinal Cord Injury Reveals Multilineage Differentiation of Ependymal Cells. PLoS Biology, 2008, 6, e182.	5.6	558
12	Origin of New Glial Cells in Intact and Injured Adult Spinal Cord. Cell Stem Cell, 2010, 7, 470-482.	11.1	533
13	Retrospective Birth Dating of Cells in Humans. Cell, 2005, 122, 133-143.	28.9	522
14	Dynamics of Oligodendrocyte Generation and Myelination in the Human Brain. Cell, 2014, 159, 766-774.	28.9	374
15	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
16	A latent neurogenic program in astrocytes regulated by Notch signaling in the mouse. Science, 2014, 346, 237-241.	12.6	353
17	The Lifespan and Turnover of Microglia in the Human Brain. Cell Reports, 2017, 20, 779-784.	6.4	340
18	Dynamics of oligodendrocyte generation in multiple sclerosis. Nature, 2019, 566, 538-542.	27.8	251

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19	Reducing Pericyte-Derived Scarring Promotes Recovery after Spinal Cord Injury. Cell, 2018, 173, 153-165.e22.	28.9	242
20	Resident Neural Stem Cells Restrict Tissue Damage and Neuronal Loss After Spinal Cord Injury in Mice. Science, 2013, 342, 637-640.	12.6	225
21	Adult Neurogenesis in Humans. Cold Spring Harbor Perspectives in Biology, 2015, 7, a018994.	5.5	203
22	Role of Endogenous Neural Stem Cells in Spinal Cord Injury and Repair. JAMA Neurology, 2015, 72, 235.	9.0	201
23	A Transcriptional Mechanism Integrating Inputs from Extracellular Signals to Activate Hippocampal Stem Cells. Neuron, 2014, 83, 1085-1097.	8.1	190
24	Spatially resolved transcriptomics adds a new dimension to genomics. Nature Methods, 2021, 18, 15-18.	19.0	180
25	A mapping label required for normal scale of body representation in the cortex. Nature Neuroscience, 2000, 3, 358-365.	14.8	178
26	Antibody-secreting plasma cells persist for decades in human intestine. Journal of Experimental Medicine, 2017, 214, 309-317.	8.5	173
27	Adult Neurogenesis in Humans- Common and Unique Traits in Mammals. PLoS Biology, 2015, 13, e1002045.	5.6	159
28	Neural stem cells in the adult spinal cord. Experimental Neurology, 2014, 260, 44-49.	4.1	148
29	Identification of cardiomyocyte nuclei and assessment of ploidy for the analysis of cell turnover. Experimental Cell Research, 2011, 317, 188-194.	2.6	144
30	Barcoded solid-phase RNA capture for Spatial Transcriptomics profiling in mammalian tissue sections. Nature Protocols, 2018, 13, 2501-2534.	12.0	144
31	Analysis of allelic expression patterns in clonal somatic cells by single-cell RNAâ€“seq. Nature Genetics, 2016, 48, 1430-1435.	21.4	142
32	Ephrins and Eph receptors in stem cells and cancer. Current Opinion in Cell Biology, 2010, 22, 611-616.	5.4	140
33	Regenerating the field of cardiovascular cell therapy. Nature Biotechnology, 2019, 37, 232-237.	17.5	140
34	Spatial deconvolution of HER2-positive breast cancer delineates tumor-associated cell type interactions. Nature Communications, 2021, 12, 6012.	12.8	140
35	Transgenic mice for conditional gene manipulation in astroglial cells. Glia, 2007, 55, 1565-1576.	4.9	137
36	Retinoid-X receptor signalling in the developing spinal cord. Nature, 1998, 395, 398-402.	27.8	122

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37	The age and genomic integrity of neurons after cortical stroke in humans. Nature Neuroscience, 2014, 17, 801-803.	14.8	108
38	Alpha-Synuclein Expression in the Oligodendrocyte Lineage: an InÂVitro and InÂVivo Study Using Rodent and Human Models. Stem Cell Reports, 2015, 5, 174-184.	4.8	104
39	Pericyte-derived fibrotic scarring is conserved across diverse central nervous system lesions. Nature Communications, 2021, 12, 5501.	12.8	98
40	Neural Stem Cells and Neurogenesis in the Adult. Cell Stem Cell, 2012, 10, 657-659.	11.1	96
41	The hippocampus in multiple sclerosis. Lancet Neurology, The, 2018, 17, 918-926.	10.2	90
42	Single-cell transcriptomics of human embryos identifies multiple sympathoblast lineages with potential implications for neuroblastoma origin. Nature Genetics, 2021, 53, 694-706.	21.4	90
43	A latent lineage potential in resident neural stem cells enables spinal cord repair. Science, 2020, 370, .	12.6	89
44	Distinct oligodendrocyte populations have spatial preference and different responses to spinal cord injury. Nature Communications, 2020, 11, 5860.	12.8	84
45	Revisiting remyelination: Towards a consensus on the regeneration of CNS myelin. Seminars in Cell and Developmental Biology, 2021, 116, 3-9.	5.0	82
46	A Widespread Neurogenic Potential of Neocortical Astrocytes Is Induced by Injury. Cell Stem Cell, 2020, 27, 605-617.e5.	11.1	77
47	Transplanted Bone Marrow-Derived Cells Contribute to Human Adipogenesis. Cell Metabolism, 2015, 22, 408-417.	16.2	75
48	Neurogenesis and Gliogenesis in Nervous System Plasticity and Repair. Annual Review of Cell and Developmental Biology, 2016, 32, 127-141.	9.4	63
49	Comparison of whole genome amplification techniques for human single cell exome sequencing. PLoS ONE, 2017, 12, e0171566.	2.5	63
50	Stars from the darkest night: unlocking the neurogenic potential of astrocytes in different brain regions. Development (Cambridge), 2016, 143, 1075-1086.	2.5	52
51	Activation of a neural stem cell transcriptional program in parenchymal astrocytes. ELife, 2020, 9, .	6.0	51
52	Clonal relations in the mouse brain revealed by single-cell and spatial transcriptomics. Nature Neuroscience, 2022, 25, 285-294.	14.8	48
53	Stem Cell Plasticity?. Neuron, 2002, 35, 415-418.	8.1	46
54	Cell generation dynamics underlying naive T-cell homeostasis in adult humans. PLoS Biology, 2019, 17, e3000383.	5.6	45

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55	Massive and parallel expression profiling using microarrayed single-cell sequencing. Nature Communications, 2016, 7, 13182.	12.8	44
56	Ephrins Negatively Regulate Cell Proliferation in the Epidermis and Hair Follicle. Stem Cells, 2010, 28, 1196-1205.	3.2	43
57	Limits to human neurogenesisâ€"really?. Molecular Psychiatry, 2020, 25, 2207-2209.	7.9	42
58	Oh no, Notch again!. BioEssays, 2000, 23, 3-7.	2.5	29
59	Genetic visualization of neurogenesis. Experimental Cell Research, 2006, 312, 2851-2859.	2.6	28
60	Blocking Notch-Signaling Increases Neurogenesis in the Striatum after Stroke. Cells, 2020, 9, 1732.	4.1	26
61	Meningioma growth dynamics assessed by radiocarbon retrospective birth dating. EBioMedicine, 2018, 27, 176-181.	6.1	22
62	Conbase: a software for unsupervised discovery of clonal somatic mutations in single cells through read phasing. Genome Biology, 2019, 20, 68.	8.8	21
63	An EphB-Abl signaling pathway is associated with intestinal tumor initiation and growth. Science Translational Medicine, 2015, 7, 281ra44.	12.4	18
64	Oh no, Notch again!. BioEssays, 2001, 23, 3-7.	2.5	18
65	Identification of a discrete subpopulation of spinal cord ependymal cells with neural stem cell properties. Cell Reports, 2022, 38, 110440.	6.4	18
66	A fresh look at adult neurogenesis. Nature Medicine, 2019, 25, 542-543.	30.7	16
67	Disruption of the Extracellular Matrix Progressively Impairs Central Nervous System Vascular Maturation Downstream of Î²-Catenin Signaling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1432-1447.	2.4	14
68	High-Throughput Identification of Genes Promoting Neuron Formation and Lineage Choice in Mouse Embryonic Stem Cells. Stem Cells, 2007, 25, 1539-1545.	3.2	13
69	Stem cells on the brain. Nature, 2001, 412, 690-691.	27.8	11
70	COVID-19â€"a very visible pandemic. Lancet, The, 2020, 396, e15.	13.7	11
71	Divergent clonal differentiation trajectories establish CD8+ memory TÂcell heterogeneity during acute viral infections in humans. Cell Reports, 2021, 35, 109174.	6.4	9
72	Eph receptor interclass cooperation is required for the regulation of cell proliferation. Experimental Cell Research, 2016, 348, 10-22.	2.6	7

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73	The age of adult pilocytic astrocytoma cells. Oncogene, 2021, 40, 2830-2841.	5.9	6
74	Prostate cancer disease recurrence after radical prostatectomy is associated with <scp>HLA</scp> type and local cytomegalovirus immunity. Molecular Oncology, 2022, 16, 3452-3464.	4.6	6
75	Eph receptors tangled up in two: Independent control of cell positioning and proliferation. Cell Cycle, 2010, 9, 1865-1866.	2.6	5
76	Induction of Leptomeningeal Cells Modification Via Intracisternal Injection. Journal of Visualized Experiments, 2020, , .	0.3	1