Sten Linnarsson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82 papers	16,141 citations	44 h-index	91 g-index
91 ext. papers	23,171 ext. citations	20.2 avg, IF	6.37 L-index

#	Paper	IF	Citations
82	Single nucleus multi-omics identifies human cortical cell regulatory genome diversity.. *Cell Genomics*, **2022**, 2,		4
81	Comparative cellular analysis of motor cortex in human, marmoset and mouse. *Nature*, **2021**, 598, 111-119	50.4	31
80	A multimodal cell census and atlas of the mammalian primary motor cortex. *Nature*, **2021**, 598, 86-102	50.4	44
79	Molecular architecture of the developing mouse brain. *Nature*, **2021**, 596, 92-96	50.4	39
78	A roadmap for the Human Developmental Cell Atlas. *Nature*, **2021**, 597, 196-205	50.4	18
77	Srebf1 Controls Midbrain Dopaminergic Neurogenesis. *Cell Reports*, **2020**, 31, 107601	10.6	5
76	Effects of Gluten Challenge on PBMC Gene Expression Profiles in Diet Treated Celiac Disease. *Frontiers in Immunology*, **2020**, 11, 594243	8.4	1
75	LifeTime and improving European healthcare through cell-based interceptive medicine. *Nature*, **2020**, 587, 377-386	50.4	56
74	A cell fitness selection model for neuronal survival during development. *Nature Communications*, **2019**, 10, 4137	17.4	6
73	Remodeling of secretory lysosomes during education tunes functional potential in NK cells. *Nature Communications*, **2019**, 10, 514	17.4	59
72	Biological annotation of genetic loci associated with intelligence in a meta-analysis of 87,740 individuals. *Molecular Psychiatry*, **2019**, 24, 182-197	15.1	31
71	Neuronal atlas of the dorsal horn defines its architecture and links sensory input to transcriptional cell types. *Nature Neuroscience*, **2018**, 21, 869-880	25.5	199
70	Conserved properties of dentate gyrus neurogenesis across postnatal development revealed by single-cell RNA sequencing. *Nature Neuroscience*, **2018**, 21, 290-299	25.5	169
69	Exome sequencing of primary breast cancers with paired metastatic lesions reveals metastasis-enriched mutations in the A-kinase anchoring protein family (AKAPs). *BMC Cancer*, **2018**, 18, 174	4.8	14
68	Diversity of Interneurons in the Dorsal Striatum Revealed by Single-Cell RNA Sequencing and PatchSeq. *Cell Reports*, **2018**, 24, 2179-2190.e7	10.6	99
67	RNA velocity of single cells. *Nature*, **2018**, 560, 494-498	50.4	1132
66	Molecular Architecture of the Mouse Nervous System. *Cell*, **2018**, 174, 999-1014.e22	56.2	1081

65	Classes and continua of hippocampal CA1 inhibitory neurons revealed by single-cell transcriptomics. *PLoS Biology*, **2018**, 16, e2006387	9.7	137
64	Spatial organization of the somatosensory cortex revealed by osmFISH. *Nature Methods*, **2018**, 15, 932-935	25.6	195
63	High-throughput chromatin accessibility profiling at single-cell resolution. *Nature Communications*, **2018**, 9, 3647	17.4	73
62	Genetic identification of brain cell types underlying schizophrenia. *Nature Genetics*, **2018**, 50, 825-833	36.3	295
61	Meta-analysis of genome-wide association studies for neuroticism in 449,484 individuals identifies novel genetic loci and pathways. *Nature Genetics*, **2018**, 50, 920-927	36.3	312
60	Genome-wide association meta-analysis in 269,867 individuals identifies new genetic and functional links to intelligence. *Nature Genetics*, **2018**, 50, 912-919	36.3	475
59	Membrane-Depolarizing Channel Blockers Induce Selective Glioma Cell Death by Impairing Nutrient Transport and Unfolded Protein/Amino Acid Responses. *Cancer Research*, **2017**, 77, 1741-1752	10.1	15
58	Single-cell mRNA isoform diversity in the mouse brain. *BMC Genomics*, **2017**, 18, 126	4.5	44
57	Induction of functional dopamine neurons from human astrocytes in vitro and mouse astrocytes in a Parkinson's disease model. *Nature Biotechnology*, **2017**, 35, 444-452	44.5	178
56	Alternative TSSs are co-regulated in single cells in the mouse brain. *Molecular Systems Biology*, **2017**, 13, 930	12.2	10
55	Molecular interrogation of hypothalamic organization reveals distinct dopamine neuronal subtypes. *Nature Neuroscience*, **2017**, 20, 176-188	25.5	226
54	The Human Cell Atlas **2017**,		41
53	The promise of spatial transcriptomics for neuroscience in the era of molecular cell typing. *Science*, **2017**, 358, 64-69	33.3	233
52	Integrated Bayesian analysis of rare exonic variants to identify risk genes for schizophrenia and neurodevelopmental disorders. *Genome Medicine*, **2017**, 9, 114	14.4	48
51	A comparative strategy for single-nucleus and single-cell transcriptomes confirms accuracy in predicted cell-type expression from nuclear RNA. *Scientific Reports*, **2017**, 7, 6031	4.9	115
50	Constitutively Active SMAD2/3 Are Broad-Scope Potentiators of Transcription-Factor-Mediated Cellular Reprogramming. *Cell Stem Cell*, **2017**, 21, 791-805.e9	18	18
49	STRT-seq-2i: dual-index 5Ssingle cell and nucleus RNA-seq on an addressable microwell array. *Scientific Reports*, **2017**, 7, 16327	4.9	50
48	The Human Cell Atlas. *ELife*, **2017**, 6,	8.9	937

47	Comparative cell cycle transcriptomics reveals synchronization of developmental transcription factor networks in cancer cells. *PLoS ONE*, **2017**, 12, e0188772	3.7	15
46	Visceral motor neuron diversity delineates a cellular basis for nipple- and pilo-erection muscle control. *Nature Neuroscience*, **2016**, 19, 1331-40	25.5	58
45	Single-Cell Transcriptomics Reveals that Differentiation and Spatial Signatures Shape Epidermal and Hair Follicle Heterogeneity. *Cell Systems*, **2016**, 3, 221-237.e9	10.6	202
44	A PBX1 transcriptional network controls dopaminergic neuron development and is impaired in Parkinson's disease. *EMBO Journal*, **2016**, 35, 1963-78	13	52
43	Characterization and target genes of nine human PRD-like homeobox domain genes expressed exclusively in early embryos. *Scientific Reports*, **2016**, 6, 28995	4.9	23
42	Oligodendrocyte heterogeneity in the mouse juvenile and adult central nervous system. *Science*, **2016**, 352, 1326-1329	33.3	497
41	Visualization and analysis of gene expression in tissue sections by spatial transcriptomics. *Science*, **2016**, 353, 78-82	33.3	944
40	Integration of electrophysiological recordings with single-cell RNA-seq data identifies neuronal subtypes. *Nature Biotechnology*, **2016**, 34, 175-183	44.5	250
39	Identification of CHD4 As a Potential Therapeutic Target of Acute Myeloid Leukemia. *Blood*, **2016**, 128, 1648-1648	2.2	2
38	NOD-like receptor signaling and inflammasome-related pathways are highlighted in psoriatic epidermis. *Scientific Reports*, **2016**, 6, 22745	4.9	51
37	The human PRD-like homeobox gene LEUTX has a central role in embryo genome activation. *Development (Cambridge)*, **2016**, 143, 3459-3469	6.6	21
36	Single-Cell RNA-Seq Reveals Lineage and X Chromosome Dynamics in Human Preimplantation Embryos. *Cell*, **2016**, 165, 1012-26	56.2	475
35	Origin, fate and dynamics of macrophages at central nervous system interfaces. *Nature Immunology* , **2016**, 17, 797-805	19.1	572
34	Molecular Diversity of Midbrain Development in Mouse, Human, and Stem Cells. *Cell*, **2016**, 167, 566-580.e19	56.2	425
33	NEUROSCIENCE. A tree of the human brain. *Science*, **2015**, 350, 37	33.3	3
32	Sequencing Single Cells Reveals Sequential Stem Cell States. *Cell Stem Cell*, **2015**, 17, 251-2	18	4
31	Gene expression analysis of skin grafts and cultured keratinocytes using synthetic RNA normalization reveals insights into differentiation and growth control. *BMC Genomics*, **2015**, 16, 476	4.5	18
30	Novel PRD-like homeodomain transcription factors and retrotransposon elements in early human development. *Nature Communications*, **2015**, 6, 8207	17.4	57

29	A secretagogin locus of the mammalian hypothalamus controls stress hormone release. *EMBO Journal*, **2015**, 34, 36-54	13	46
28	Unbiased classification of sensory neuron types by large-scale single-cell RNA sequencing. *Nature Neuroscience*, **2015**, 18, 145-53	25.5	1093
27	Dynamics of Lgr6+ Progenitor Cells in the Hair Follicle, Sebaceous Gland, and Interfollicular Epidermis. *Stem Cell Reports*, **2015**, 5, 843-855	8	63
26	Reprogramming Roadblocks Are System Dependent. *Stem Cell Reports*, **2015**, 5, 350-64	8	23
25	Brain structure. Cell types in the mouse cortex and hippocampus revealed by single-cell RNA-seq. *Science*, **2015**, 347, 1138-42	33.3	1883
24	Amplification-free sequencing of cell-free DNA for prenatal non-invasive diagnosis of chromosomal aberrations. *Genomics*, **2015**, 105, 150-8	4.3	22
23	Myelodysplastic syndromes are propagated by rare and distinct human cancer stem cells in vivo. *Cancer Cell*, **2014**, 25, 794-808	24.3	216
22	Quantitative single-cell RNA-seq with unique molecular identifiers. *Nature Methods*, **2014**, 11, 163-6	21.6	783
21	Selective calcium sensitivity in immature glioma cancer stem cells. *PLoS ONE*, **2014**, 9, e115698	3.7	19
20	Base preferences in non-templated nucleotide incorporation by MMLV-derived reverse transcriptases. *PLoS ONE*, **2013**, 8, e85270	3.7	38
19	Highly multiplexed and strand-specific single-cell RNA 5Send sequencing. *Nature Protocols*, **2012**, 7, 813-28	28.8	205
18	Positional differences of axon growth rates between sensory neurons encoded by Runx3. *EMBO Journal*, **2012**, 31, 3718-29	13	23
17	Counting absolute numbers of molecules using unique molecular identifiers. *Nature Methods*, **2011**, 9, 72-4	21.6	637
16	Characterization of the single-cell transcriptional landscape by highly multiplex RNA-seq. *Genome Research*, **2011**, 21, 1160-7	9.7	614
15	Recent advances in DNA sequencing methods - general principles of sample preparation. *Experimental Cell Research*, **2010**, 316, 1339-43	4.2	57
14	Dependence of developing group Ia afferents on neurotrophin-3. *Journal of Comparative Neurology* , **1995**, 363, 307-20	3.4	93
13	High-throughput chromatin accessibility profiling at single-cell resolution		1
12	Genetic identification Of brain cell types underlying schizophrenia		7

11	GWAS Meta-Analysis of Neuroticism (N=449,484) Identifies Novel Genetic Loci and Pathways	41
10	GWAS meta-analysis (N=279,930) identifies new genes and functional links to intelligence	9
9	Single nucleus multi-omics links human cortical cell regulatory genome diversity to disease risk variants	23
8	Evolution of cellular diversity in primary motor cortex of human, marmoset monkey, and mouse	33
7	Population-scale testing can suppress the spread of COVID-19	35
6	Molecular architecture of the developing mouse brain	19
5	A multimodal cell census and atlas of the mammalian primary motor cortex	12
4	Spatial organization of the somatosensory cortex revealed by cyclic smFISH	8
3	Molecular architecture of the mouse nervous system	10
2	Transcriptional maintenance of cortical somatostatin interneuron subtype identity during migration	3
1	Functional consequences of genetic loci associated with intelligence in a meta-analysis of 87,740 individuals	3