Steven A Sloan

List of Publications by Year
in descending order

29 papers	12,147 citations	304368 22 h-index	476904 29 g-index
32 all docs	32 docs citations	32 times ranked	21143 citing authors

#	Article	IF	Citations
1	An RNA-Sequencing Transcriptome and Splicing Database of Glia, Neurons, and Vascular Cells of the Cerebral Cortex. Journal of Neuroscience, 2014, 34, 11929-11947.	1.7	4,119
2	Purification and Characterization of Progenitor and Mature Human Astrocytes Reveals Transcriptional and Functional Differences with Mouse. Neuron, 2016, 89, 37-53.	3.8	1,741
3	Functional cortical neurons and astrocytes from human pluripotent stem cells in 3D culture. Nature Methods, 2015, 12, 671-678.	9.0	1,220
4	A survey of human brain transcriptome diversity at the single cell level. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7285-7290.	3.3	1,194
5	Single-Cell RNA-Seq Analysis of Infiltrating Neoplastic Cells at the Migrating Front of Human Glioblastoma. Cell Reports, 2017, 21, 1399-1410.	2.9	701
6	Progranulin Deficiency Promotes Circuit-Specific Synaptic Pruning by Microglia via Complement Activation. Cell, 2016, 165, 921-935.	13.5	558
7	Human Astrocyte Maturation Captured in 3D Cerebral Cortical Spheroids Derived from Pluripotent Stem Cells. Neuron, 2017, 95, 779-790.e6.	3.8	436
8	CNS Myelin Wrapping Is Driven by Actin Disassembly. Developmental Cell, 2015, 34, 152-167.	3.1	262
9	Generation and assembly of human brain regionâ€“specific three-dimensional cultures. Nature Protocols, 2018, 13, 2062-2085.	5.5	262
10	Single-cell isoform RNA sequencing characterizes isoforms in thousands of cerebellar cells. Nature Biotechnology, 2018, 36, 1197-1202.	9.4	253
11	Differentiation and maturation of oligodendrocytes in human three-dimensional neural cultures. Nature Neuroscience, 2019, 22, 484-491.	7.1	247
12	Mechanisms of astrocyte development and their contributions to neurodevelopmental disorders. Current Opinion in Neurobiology, 2014, 27, 75-81.	2.0	198
13	Schwann cells use TAM receptor-mediated phagocytosis in addition to autophagy to clear myelin in a mouse model of nerve injury. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8072-E8080.	3.3	155
14	Systematic discovery of regulated and conserved alternative exons in the mammalian brain reveals NMD modulating chromatin regulators. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3445-3450.	3.3	131
15	A spatially resolved brain region- and cell type-specific isoform atlas of the postnatal mouse brain. Nature Communications, 2021, 12, 463.	5.8	109
16	MicroRNA-9 Couples Brain Neurogenesis and Angiogenesis. Cell Reports, 2017, 20, 1533-1542.	2.9	90
17	Comprehensive Identification of Long Non-coding RNAs in Purified Cell Types from the Brain Reveals Functional LncRNA in OPC Fate Determination. PLoS Genetics, 2015, 11, e1005669.	1.5	82
18	Looks Can Be Deceiving: Reconsidering the Evidence for Gliotransmission. Neuron, 2014, 84, 1112-1115.	3.8	77

#	Article	IF	Citations
19	Astrocyteâ€toâ€astrocyte contact and a positive feedback loop of growth factor signaling regulate astrocyte maturation. Glia, 2019, 67, 1571-1597.	2.5	58
20	Single-nuclei isoform RNA sequencing unlocks barcoded exon connectivity in frozen brain tissue. Nature Biotechnology, 2022, 40, 1082-1092.	9.4	52
21	Silicon Neurons That Compute. Lecture Notes in Computer Science, 2012, , 121-128.	1.0	51
22	Agingâ€like changes in the transcriptome of irradiated microglia. Glia, 2015, 63, 754-767.	2.5	50
23	An RNA-sequencing transcriptome of the rodent Schwann cell response to peripheral nerve injury. Journal of Neuroinflammation, 2022, 19, 105.	3.1	25
24	Machine learning reveals bilateral distribution of somatic L1 insertions in human neurons and glia. Nature Neuroscience, 2021, 24, 186-196.	7.1	22
25	Glia as primary drivers of neuropathology in TDP-43 proteinopathies. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4439-4440.	3.3	14
26	Growing Glia: Cultivating Human Stem Cell Models of Gliogenesis in Health and Disease. Frontiers in Cell and Developmental Biology, 2021, 9, 649538.	1.8	14
27	The Detrimental Role of Glial Acidification during Ischemia. Neuron, 2014, 81, 221-223.	3.8	10
28	Assembling a Cellular User Manual for the Brain. Journal of Neuroscience, 2018, 38, 3149-3153.	1.7	5
29	Glia in neurodegeneration. Neurobiology of Disease, 2021, 151, 105260.	2.1	2