

Steven A Sloan

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

12,147
citations

304368

22
h-index

476904

29
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32
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32
docs citations

32
times ranked

21143
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-nuclei isoform RNA sequencing unlocks barcoded exon connectivity in frozen brain tissue. <i>Nature Biotechnology</i> , 2022, 40, 1082-1092.	9.4	52
2	An RNA-sequencing transcriptome of the rodent Schwann cell response to peripheral nerve injury. <i>Journal of Neuroinflammation</i> , 2022, 19, 105.	3.1	25
3	A spatially resolved brain region- and cell type-specific isoform atlas of the postnatal mouse brain. <i>Nature Communications</i> , 2021, 12, 463.	5.8	109
4	Growing Glia: Cultivating Human Stem Cell Models of Gliogenesis in Health and Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 649538.	1.8	14
5	Glia in neurodegeneration. <i>Neurobiology of Disease</i> , 2021, 151, 105260.	2.1	2
6	Machine learning reveals bilateral distribution of somatic L1 insertions in human neurons and glia. <i>Nature Neuroscience</i> , 2021, 24, 186-196.	7.1	22
7	Differentiation and maturation of oligodendrocytes in human three-dimensional neural cultures. <i>Nature Neuroscience</i> , 2019, 22, 484-491.	7.1	247
8	Astrocyte-astrocyte contact and a positive feedback loop of growth factor signaling regulate astrocyte maturation. <i>Glia</i> , 2019, 67, 1571-1597.	2.5	58
9	Assembling a Cellular User Manual for the Brain. <i>Journal of Neuroscience</i> , 2018, 38, 3149-3153.	1.7	5
10	Single-cell isoform RNA sequencing characterizes isoforms in thousands of cerebellar cells. <i>Nature Biotechnology</i> , 2018, 36, 1197-1202.	9.4	253
11	Generation and assembly of human brain region-specific three-dimensional cultures. <i>Nature Protocols</i> , 2018, 13, 2062-2085.	5.5	262
12	Single-Cell RNA-Seq Analysis of Infiltrating Neoplastic Cells at the Migrating Front of Human Glioblastoma. <i>Cell Reports</i> , 2017, 21, 1399-1410.	2.9	701
13	Schwann cells use TAM receptor-mediated phagocytosis in addition to autophagy to clear myelin in a mouse model of nerve injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8072-E8080.	3.3	155
14	Human Astrocyte Maturation Captured in 3D Cerebral Cortical Spheroids Derived from Pluripotent Stem Cells. <i>Neuron</i> , 2017, 95, 779-790.e6.	3.8	436
15	MicroRNA-9 Couples Brain Neurogenesis and Angiogenesis. <i>Cell Reports</i> , 2017, 20, 1533-1542.	2.9	90
16	Progranulin Deficiency Promotes Circuit-Specific Synaptic Pruning by Microglia via Complement Activation. <i>Cell</i> , 2016, 165, 921-935.	13.5	558
17	Purification and Characterization of Progenitor and Mature Human Astrocytes Reveals Transcriptional and Functional Differences with Mouse. <i>Neuron</i> , 2016, 89, 37-53.	3.8	1,741
18	Aging-like changes in the transcriptome of irradiated microglia. <i>Glia</i> , 2015, 63, 754-767.	2.5	50

#	ARTICLE	IF	CITATIONS
19	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
20	Functional cortical neurons and astrocytes from human pluripotent stem cells in 3D culture. Nature Methods, 2015, 12, 671-678.	9.0	1,220
21	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
22	CNS Myelin Wrapping Is Driven by Actin Disassembly. Developmental Cell, 2015, 34, 152-167.	3.1	262
23	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
24	Looks Can Be Deceiving: Reconsidering the Evidence for Gliotransmission. Neuron, 2014, 84, 1112-1115.	3.8	77
25	Mechanisms of astrocyte development and their contributions to neurodevelopmental disorders. Current Opinion in Neurobiology, 2014, 27, 75-81.	2.0	198
26	The Detrimental Role of Glial Acidification during Ischemia. Neuron, 2014, 81, 221-223.	3.8	10
27	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
28	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
29	Silicon Neurons That Compute. Lecture Notes in Computer Science, 2012, , 121-128.	1.0	51