

# Michael J McConnell

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

2,296  
citations

623734

14  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

4131  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcription-associated DNA DSBs activate p53 during hiPSC-based neurogenesis. <i>Scientific Reports</i> , 2022, 12, .	3.3	4
2	Label-Free Quantification of Cell Cycle Synchronicity of Human Neural Progenitor Cells Based on Electrophysiology Phenotypes. <i>ACS Sensors</i> , 2021, 6, 156-165.	7.8	18
3	Quantum computing at the frontiers of biological sciences. <i>Nature Methods</i> , 2021, 18, 701-709.	19.0	64
4	The landscape of somatic mutation in cerebral cortex of autistic and neurotypical individuals revealed by ultra-deep whole-genome sequencing. <i>Nature Neuroscience</i> , 2021, 24, 176-185.	14.8	73
5	Single-cell sequencing of the small and AT-skewed genome of malaria parasites. <i>Genome Medicine</i> , 2021, 13, 75.	8.2	5
6	Implementation of a Hamming distance-like genomic quantum classifier using inner products on ibmqx2 and ibmq_16_melbourne. <i>Quantum Machine Intelligence</i> , 2020, 2, 1-26.	4.8	16
7	An epilepsy-associated mutation in the nuclear import receptor KPNA7 reduces nuclear localization signal binding. <i>Scientific Reports</i> , 2020, 10, 4844.	3.3	7
8	A deletion in Eml1 leads to bilateral subcortical heterotopia in the tish rat. <i>Neurobiology of Disease</i> , 2020, 140, 104836.	4.4	4
9	A three-dimensional dementia model reveals spontaneous cell cycle re-entry and a senescence-associated secretory phenotype. <i>Neurobiology of Aging</i> , 2020, 90, 125-134.	3.1	11
10	Deletion of Topoisomerase 1 in excitatory neurons causes genomic instability and early onset neurodegeneration. <i>Nature Communications</i> , 2020, 11, 1962.	12.8	24
11	Neurons with Complex Karyotypes Are Rare in Aged Human Neocortex. <i>Cell Reports</i> , 2019, 26, 825-835.e7.	6.4	60
12	Imaging Flow Cytometry Quantifies Neural Genome Dynamics. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 825-835.	1.5	4
13	The effect of rho kinase inhibition on morphological and electrophysiological maturity in iPSC-derived neurons. <i>Cell and Tissue Research</i> , 2019, 375, 641-654.	2.9	9
14	Characterization of the Importin- $\beta$ binding domain in nuclear import receptor KPNA7. <i>Biochemical Journal</i> , 2019, 476, 3413-3434.	3.7	6
15	Single-cell analysis of diversity in human stem cell-derived neurons. <i>Cell and Tissue Research</i> , 2018, 371, 171-179.	2.9	9
16	Improved molecular karyotyping in glioblastoma. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2018, 811, 16-26.	1.0	5
17	Pharmacological reactivation of inactive X-linked <i>Mecp2</i> in cerebral cortical neurons of living mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7991-7996.	7.1	34
18	Intersection of diverse neuronal genomes and neuropsychiatric disease: The Brain Somatic Mosaicism Network. <i>Science</i> , 2017, 356, .	12.6	206

#	ARTICLE	IF	CITATIONS
19	Single neuron transcriptome analysis can reveal more than cell type classification. <i>BioEssays</i> , 2016, 38, 157-161.	2.5	14
20	Nuclear RNA-seq of single neurons reveals molecular signatures of activation. <i>Nature Communications</i> , 2016, 7, 11022.	12.8	343
21	Using single nuclei for RNA-seq to capture the transcriptome of postmortem neurons. <i>Nature Protocols</i> , 2016, 11, 499-524.	12.0	358
22	Major histocompatibility complex class I molecules protect motor neurons from astrocyte-induced toxicity in amyotrophic lateral sclerosis. <i>Nature Medicine</i> , 2016, 22, 397-403.	30.7	112
23	Creating Patient-Specific Neural Cells for the In Vitro Study of Brain Disorders. <i>Stem Cell Reports</i> , 2015, 5, 933-945.	4.8	72
24	Mosaic Copy Number Variation in Human Neurons. <i>Science</i> , 2013, 342, 632-637.	12.6	488
25	Constitutional Aneuploidy in the Normal Human Brain. <i>Journal of Neuroscience</i> , 2005, 25, 2176-2180.	3.6	283
26	Failed Clearance of Aneuploid Embryonic Neural Progenitor Cells Leads to Excess Aneuploidy in the Atm-Deficient But Not the Trp53-Deficient Adult Cerebral Cortex. <i>Journal of Neuroscience</i> , 2004, 24, 8090-8096.	3.6	66