

Alex A Pollen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8743145/publications.pdf>

Version: 2024-02-01

37
papers

7,264
citations

257429

24
h-index

330122

37
g-index

42
all docs

42
docs citations

42
times ranked

11731
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-coverage single-cell mRNA sequencing reveals cellular heterogeneity and activated signaling pathways in developing cerebral cortex. <i>Nature Biotechnology</i> , 2014, 32, 1053-1058.	17.5	850
2	Spatiotemporal gene expression trajectories reveal developmental hierarchies of the human cortex. <i>Science</i> , 2017, 358, 1318-1323.	12.6	717
3	Molecular Identity of Human Outer Radial Glia during Cortical Development. <i>Cell</i> , 2015, 163, 55-67.	28.9	698
4	Expression Analysis Highlights AXL as a Candidate Zika Virus Entry Receptor in Neural Stem Cells. <i>Cell Stem Cell</i> , 2016, 18, 591-596.	11.1	483
5	Human iPSC-Derived Cerebral Organoids Model Cellular Features of Lissencephaly and Reveal Prolonged Mitosis of Outer Radial Glia. <i>Cell Stem Cell</i> , 2017, 20, 435-449.e4.	11.1	463
6	Human-specific loss of regulatory DNA and the evolution of human-specific traits. <i>Nature</i> , 2011, 471, 216-219.	27.8	439
7	Zika virus cell tropism in the developing human brain and inhibition by azithromycin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14408-14413.	7.1	432
8	Establishing Cerebral Organoids as Models of Human-Specific Brain Evolution. <i>Cell</i> , 2019, 176, 743-756.e17.	28.9	423
9	Cell stress in cortical organoids impairs molecular subtype specification. <i>Nature</i> , 2020, 578, 142-148.	27.8	387
10	Human-Specific NOTCH2NL Genes Affect Notch Signaling and Cortical Neurogenesis. <i>Cell</i> , 2018, 173, 1356-1369.e22.	28.9	366
11	High-resolution comparative analysis of great ape genomes. <i>Science</i> , 2018, 360, .	12.6	304
12	Single-cell analysis of long non-coding RNAs in the developing human neocortex. <i>Genome Biology</i> , 2016, 17, 67.	8.8	295
13	Transformation of the Radial Glia Scaffold Demarcates Two Stages of Human Cerebral Cortex Development. <i>Neuron</i> , 2016, 91, 1219-1227.	8.1	264
14	Radial glia require PDGFR α -PDGFR β signalling in human but not mouse neocortex. <i>Nature</i> , 2014, 515, 264-268.	27.8	145
15	Regulation of cell-type-specific transcriptomes by microRNA networks during human brain development. <i>Nature Neuroscience</i> , 2018, 21, 1784-1792.	14.8	121
16	Cell-type-specific 3D epigenomes in the developing human cortex. <i>Nature</i> , 2020, 587, 644-649.	27.8	110
17	UCSC Cell Browser: visualize your single-cell data. <i>Bioinformatics</i> , 2021, 37, 4578-4580.	4.1	105
18	Single-cell sequencing maps gene expression to mutational phylogenies in PDGF- and EGF-driven gliomas. <i>Molecular Systems Biology</i> , 2016, 12, 889.	7.2	91

#	ARTICLE	IF	CITATIONS
19	Human-specific tandem repeat expansion and differential gene expression during primate evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23243-23253.	7.1	82
20	Tropism of SARS-CoV-2 for human cortical astrocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	77
21	Multimodal Single-Cell Analysis Reveals Physiological Maturation in the Developing Human Neocortex. <i>Neuron</i> , 2019, 102, 143-158.e7.	8.1	61
22	The development and evolution of inhibitory neurons in primate cerebrum. <i>Nature</i> , 2022, 603, 871-877.	27.8	58
23	Transcriptional fates of human-specific segmental duplications in brain. <i>Genome Research</i> , 2018, 28, 1566-1576.	5.5	54
24	Recurrent inversion toggling and great ape genome evolution. <i>Nature Genetics</i> , 2020, 52, 849-858.	21.4	40
25	Distinct nuclear compartment-associated genome architecture in the developing mammalian brain. <i>Nature Neuroscience</i> , 2021, 24, 1235-1242.	14.8	28
26	Paired involvement of human-specific Olduvai domains and NOTCH2NL genes in human brain evolution. <i>Human Genetics</i> , 2019, 138, 715-721.	3.8	27
27	Reverse engineering human brain evolution using organoid models. <i>Brain Research</i> , 2020, 1729, 146582.	2.2	25
28	Picoscope: low-cost system for simultaneous longitudinal biological imaging. <i>Communications Biology</i> , 2021, 4, 1261.	4.4	23
29	Identification of cell types in a mouse brain single-cell atlas using low sampling coverage. <i>BMC Biology</i> , 2018, 16, 113.	3.8	15
30	Low cost cloud based remote microscopy for biological sciences. <i>Internet of Things (Netherlands)</i> , 2022, 18, 100454.	7.7	12
31	Light-weight electrophysiology hardware and software platform for cloud-based neural recording experiments. <i>Journal of Neural Engineering</i> , 2021, 18, 066004.	3.5	7
32	Postmitotic Fate Refinement in the Subplate. <i>Cell Stem Cell</i> , 2018, 23, 7-9.	11.1	6
33	Rethinking nomenclature for interspecies cell fusions. <i>Nature Reviews Genetics</i> , 2022, , .	16.3	3
34	Primate Neurons Flex Their Musclin. <i>Neuron</i> , 2016, 92, 681-683.	8.1	2
35	Physiological Models of Human Neuronal Development and Disease. <i>Neuron</i> , 2018, 100, 1025-1027.	8.1	2
36	Getting to the heart of cardiovascular evolution in humans. <i>ELife</i> , 2019, 8, .	6.0	2

#	ARTICLE	IF	CITATIONS
37	The genetic symphony underlying evolution of the brain's prefrontal cortex. <i>Nature</i> , 2021, 598, 417-418.	27.8	1