

Lucas T Gray

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

9,522
citations

257357

24
h-index

501076

28
g-index

50
all docs

50
docs citations

50
times ranked

12157
citing authors

#	ARTICLE	IF	CITATIONS
1	Adult mouse cortical cell taxonomy revealed by single cell transcriptomics. <i>Nature Neuroscience</i> , 2016, 19, 335-346.	7.1	1,522
2	Shared and distinct transcriptomic cell types across neocortical areas. <i>Nature</i> , 2018, 563, 72-78.	13.7	1,323
3	Conserved cell types with divergent features in human versus mouse cortex. <i>Nature</i> , 2019, 573, 61-68.	13.7	1,198
4	Single-cell profiling of the developing mouse brain and spinal cord with split-pool barcoding. <i>Science</i> , 2018, 360, 176-182.	6.0	961
5	A Suite of Transgenic Driver and Reporter Mouse Lines with Enhanced Brain-Cell-Type Targeting and Functionality. <i>Cell</i> , 2018, 174, 465-480.e22.	13.5	571
6	A taxonomy of transcriptomic cell types across the isocortex and hippocampal formation. <i>Cell</i> , 2021, 184, 3222-3241.e26.	13.5	479
7	The G4 Genome. <i>PLoS Genetics</i> , 2013, 9, e1003468.	1.5	437
8	Single-nucleus and single-cell transcriptomes compared in matched cortical cell types. <i>PLoS ONE</i> , 2018, 13, e0209648.	1.1	400
9	Comparative cellular analysis of motor cortex in human, marmoset and mouse. <i>Nature</i> , 2021, 598, 111-119.	13.7	361
10	Distinct descending motor cortex pathways and their roles in movement. <i>Nature</i> , 2018, 563, 79-84.	13.7	320
11	Integrated Morphoelectric and Transcriptomic Classification of Cortical GABAergic Cells. <i>Cell</i> , 2020, 183, 935-953.e19.	13.5	290
12	Multimodal Analysis of Cell Types in a Hypothalamic Node Controlling Social Behavior. <i>Cell</i> , 2019, 179, 713-728.e17.	13.5	186
13	G quadruplexes are genomewide targets of transcriptional helicases XPB and XPD. <i>Nature Chemical Biology</i> , 2014, 10, 313-318.	3.9	183
14	Human neocortical expansion involves glutamatergic neuron diversification. <i>Nature</i> , 2021, 598, 151-158.	13.7	160
15	Simultaneous trimodal single-cell measurement of transcripts, epitopes, and chromatin accessibility using TEA-seq. <i>ELife</i> , 2021, 10, .	2.8	144
16	Regulation of gene expression by the BLM helicase correlates with the presence of G-quadruplex DNA motifs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9905-9910.	3.3	108
17	Single-cell transcriptomic evidence for dense intracortical neuropeptide networks. <i>ELife</i> , 2019, 8, .	2.8	98
18	Enhancer viruses for combinatorial cell-subclass-specific labeling. <i>Neuron</i> , 2021, 109, 1449-1464.e13.	3.8	93

#	ARTICLE	IF	CITATIONS
19	Functional enhancer elements drive subclass-selective expression from mouse to primate neocortex. <i>Cell Reports</i> , 2021, 34, 108754.	2.9	88
20	The Werner syndrome RECQ helicase targets G4 DNA in human cells to modulate transcription. <i>Human Molecular Genetics</i> , 2016, 25, 2060-2069.	1.4	81
21	Layer-specific chromatin accessibility landscapes reveal regulatory networks in adult mouse visual cortex. <i>ELife</i> , 2017, 6, .	2.8	73
22	Signature morpho-electric, transcriptomic, and dendritic properties of human layer 5 neocortical pyramidal neurons. <i>Neuron</i> , 2021, 109, 2914-2927.e5.	3.8	54
23	Distinct Transcriptomic Cell Types and Neural Circuits of the Subiculum and Prosubiculum along the Dorsal-Ventral Axis. <i>Cell Reports</i> , 2020, 31, 107648.	2.9	49
24	Single-cell and single-nucleus RNA-seq uncovers shared and distinct axes of variation in dorsal LGN neurons in mice, non-human primates, and humans. <i>ELife</i> , 2021, 10, .	2.8	41
25	Ubiquitin Recognition by the Cockayne Syndrome Group B Protein: Binding Will Set You Free. <i>Molecular Cell</i> , 2010, 38, 621-622.	4.5	5
26	BarWare: efficient software tools for barcoded single-cell genomics. <i>BMC Bioinformatics</i> , 2022, 23, 106.	1.2	3