

Brian R Long

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

2,396
citations

687220

13
h-index

839398

18
g-index

25
all docs

25
docs citations

25
times ranked

4660
citing authors

#	ARTICLE	IF	CITATIONS
1	Conservation and divergence of cortical cell organization in human and mouse revealed by MERFISH. <i>Science</i> , 2022, 377, 56-62.	6.0	107
2	Spatially resolved transcriptomics in neuroscience. <i>Nature Methods</i> , 2021, 18, 23-25.	9.0	65
3	starfish: scalable pipelines for image-based transcriptomics. <i>Journal of Open Source Software</i> , 2021, 6, 2440.	2.0	20
4	Cell segmentation-free inference of cell types from in situ transcriptomics data. <i>Nature Communications</i> , 2021, 12, 3545.	5.8	52
5	Comprehensive in situ mapping of human cortical transcriptomic cell types. <i>Communications Biology</i> , 2021, 4, 998.	2.0	18
6	Conserved cell types with divergent features in human versus mouse cortex. <i>Nature</i> , 2019, 573, 61-68.	13.7	1,198
7	Classification of electrophysiological and morphological neuron types in the mouse visual cortex. <i>Nature Neuroscience</i> , 2019, 22, 1182-1195.	7.1	333
8	h-Channels Contribute to Divergent Intrinsic Membrane Properties of Supragranular Pyramidal Neurons in Human versus Mouse Cerebral Cortex. <i>Neuron</i> , 2018, 100, 1194-1208.e5.	3.8	134
9	SmartScope2: Simultaneous Imaging and Reconstruction of Neuronal Morphology. <i>Scientific Reports</i> , 2017, 7, 9325.	1.6	8
10	TReMAP: Automatic 3D Neuron Reconstruction Based on Tracing, Reverse Mapping and Assembling of 2D Projections. <i>Neuroinformatics</i> , 2016, 14, 41-50.	1.5	51
11	3D Image-Guided Automatic Pipette Positioning for Single Cell Experiments in vivo. <i>Scientific Reports</i> , 2015, 5, 18426.	1.6	26
12	A comprehensive thalamocortical projection map at the mesoscopic level. <i>Nature Neuroscience</i> , 2014, 17, 1276-1285.	7.1	124
13	Subdiffraction microscopy: techniques, applications, and challenges. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2014, 6, 151-168.	6.6	10
14	Spatial Structure and Diffusive Dynamics from Single-Particle Trajectories Using Spline Analysis. <i>Biophysical Journal</i> , 2010, 98, 1712-1721.	0.2	6
15	Single Particle Quantum Dot Imaging Achieves Ultrasensitive Detection Capabilities for Western Immunoblot Analysis. <i>ACS Nano</i> , 2009, 3, 1318-1328.	7.3	26
16	Multidirectional sorting modes in deterministic lateral displacement devices. <i>Physical Review E</i> , 2008, 78, 046304.	0.8	55
17	Realization of a Feedback Controlled Flashing Ratchet. <i>Physical Review Letters</i> , 2008, 101, 220601.	2.9	91