

Brian R Long

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6125048/publications.pdf>

Version: 2024-02-01

17
papers

2,396
citations

687363

13
h-index

839539

18
g-index

25
all docs

25
docs citations

25
times ranked

4660
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Conserved cell types with divergent features in human versus mouse cortex. <i>Nature</i> , 2019, 573, 61-68. | 27.8 | 1,198 |
| 2 | Classification of electrophysiological and morphological neuron types in the mouse visual cortex. <i>Nature Neuroscience</i> , 2019, 22, 1182-1195. | 14.8 | 333 |
| 3 | 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. | 8.1 | 134 |
| 4 | A comprehensive thalamocortical projection map at the mesoscopic level. <i>Nature Neuroscience</i> , 2014, 17, 1276-1285. | 14.8 | 124 |
| 5 | Conservation and divergence of cortical cell organization in human and mouse revealed by MERFISH. <i>Science</i> , 2022, 377, 56-62. | 12.6 | 107 |
| 6 | Realization of a Feedback Controlled Flashing Ratchet. <i>Physical Review Letters</i> , 2008, 101, 220601. | 7.8 | 91 |
| 7 | Spatially resolved transcriptomics in neuroscience. <i>Nature Methods</i> , 2021, 18, 23-25. | 19.0 | 65 |
| 8 | Multidirectional sorting modes in deterministic lateral displacement devices. <i>Physical Review E</i> , 2008, 78, 046304. | 2.1 | 55 |
| 9 | Cell segmentation-free inference of cell types from in situ transcriptomics data. <i>Nature Communications</i> , 2021, 12, 3545. | 12.8 | 52 |
| 10 | TReMAP: Automatic 3D Neuron Reconstruction Based on Tracing, Reverse Mapping and Assembling of 2D Projections. <i>Neuroinformatics</i> , 2016, 14, 41-50. | 2.8 | 51 |
| 11 | Single Particle Quantum Dot Imaging Achieves Ultrasensitive Detection Capabilities for Western Immunoblot Analysis. <i>ACS Nano</i> , 2009, 3, 1318-1328. | 14.6 | 26 |
| 12 | 3D Image-Guided Automatic Pipette Positioning for Single Cell Experiments in vivo. <i>Scientific Reports</i> , 2015, 5, 18426. | 3.3 | 26 |
| 13 | starfish: scalable pipelines for image-based transcriptomics. <i>Journal of Open Source Software</i> , 2021, 6, 2440. | 4.6 | 20 |
| 14 | Comprehensive in situ mapping of human cortical transcriptomic cell types. <i>Communications Biology</i> , 2021, 4, 998. | 4.4 | 18 |
| 15 | Subdiffraction microscopy: techniques, applications, and challenges. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2014, 6, 151-168. | 6.6 | 10 |
| 16 | SmartScope2: Simultaneous Imaging and Reconstruction of Neuronal Morphology. <i>Scientific Reports</i> , 2017, 7, 9325. | 3.3 | 8 |
| 17 | Spatial Structure and Diffusive Dynamics from Single-Particle Trajectories Using Spline Analysis. <i>Biophysical Journal</i> , 2010, 98, 1712-1721. | 0.5 | 6 |