

Alan Urban

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5487401/publications.pdf>

Version: 2024-02-01

12
papers

654
citations

933447

10
h-index

1199594

12
g-index

19
all docs

19
docs citations

19
times ranked

447
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time imaging of brain activity in freely moving rats using functional ultrasound. <i>Nature Methods</i> , 2015, 12, 873-878.	19.0	128
2	Whole-Brain Functional Ultrasound Imaging Reveals Brain Modules for Visuomotor Integration. <i>Neuron</i> , 2018, 100, 1241-1251.e7.	8.1	112
3	Chronic assessment of cerebral hemodynamics during rat forepaw electrical stimulation using functional ultrasound imaging. <i>NeuroImage</i> , 2014, 101, 138-149.	4.2	71
4	A Platform for Brain-wide Volumetric Functional Ultrasound Imaging and Analysis of Circuit Dynamics in Awake Mice. <i>Neuron</i> , 2020, 108, 861-875.e7.	8.1	65
5	Whole-brain functional ultrasound imaging in awake head-fixed mice. <i>Nature Protocols</i> , 2021, 16, 3547-3571.	12.0	52
6	Understanding the neurovascular unit at multiple scales: Advantages and limitations of multi-photon and functional ultrasound imaging. <i>Advanced Drug Delivery Reviews</i> , 2017, 119, 73-100.	13.7	42
7	Neural correlates of blood flow measured by ultrasound. <i>Neuron</i> , 2022, 110, 1631-1640.e4.	8.1	40
8	Optogenetic fUSI for brain-wide mapping of neural activity mediating collicular-dependent behaviors. <i>Neuron</i> , 2021, 109, 1888-1905.e10.	8.1	39
9	Mapping the dynamics of brain perfusion using functional ultrasound in a rat model of transient middle cerebral artery occlusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 263-276.	4.3	27
10	Evidence from functional ultrasound imaging of enhanced contralesional microvascular response to somatosensory stimulation in acute middle cerebral artery occlusion/reperfusion in rats: A marker of ultra-early network reorganization?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1690-1700.	4.3	18
11	Functional Ultrasound Neuroimaging. <i>Annual Review of Neuroscience</i> , 2022, 45, 491-513.	10.7	12
12	Quantitative Hemodynamic Measurements in Cortical Vessels Using Functional Ultrasound Imaging. <i>Frontiers in Neuroscience</i> , 2022, 16, 831650.	2.8	11