

Albert K Lee

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

4,082
citations

516561

16
h-index

642610

23
g-index

27
all docs

27
docs citations

27
times ranked

4558
citing authors

#	ARTICLE	IF	CITATIONS
1	Fully integrated silicon probes for high-density recording of neural activity. <i>Nature</i> , 2017, 551, 232-236.	13.7	1,531
2	Neuropixels 2.0: A miniaturized high-density probe for stable, long-term brain recordings. <i>Science</i> , 2021, 372, .	6.0	467
3	Impact of Spikelets on Hippocampal CA1 Pyramidal Cell Activity During Spatial Exploration. <i>Science</i> , 2010, 327, 474-477.	6.0	368
4	Head-anchored whole-cell recordings in freely moving rats. <i>Nature Protocols</i> , 2009, 4, 385-392.	5.5	361
5	Intracellular Determinants of Hippocampal CA1 Place and Silent Cell Activity in a Novel Environment. <i>Neuron</i> , 2011, 70, 109-120.	3.8	254
6	Hippocampal Place Fields Emerge upon Single-Cell Manipulation of Excitability During Behavior. <i>Science</i> , 2012, 337, 849-853.	6.0	218
7	Natural Whisker-Guided Behavior by Head-Fixed Mice in Tactile Virtual Reality. <i>Journal of Neuroscience</i> , 2014, 34, 9537-9550.	1.7	129
8	Large environments reveal the statistical structure governing hippocampal representations. <i>Science</i> , 2014, 345, 814-817.	6.0	128
9	Inhibitory Control of Prefrontal Cortex by the Claustrum. <i>Neuron</i> , 2018, 99, 1029-1039.e4.	3.8	121
10	Experience-dependent shaping of hippocampal CA1 intracellular activity in novel and familiar environments. <i>ELife</i> , 2017, 6, .	2.8	100
11	The Statistical Structure of the Hippocampal Code for Space as a Function of Time, Context, and Value. <i>Cell</i> , 2020, 183, 620-635.e22.	13.5	84
12	Near-Perfect Synaptic Integration by Na v 1.7 in Hypothalamic Neurons Regulates Body Weight. <i>Cell</i> , 2016, 165, 1749-1761.	13.5	77
13	The Anatomy and Physiology of Claustrum-Cortex Interactions. <i>Annual Review of Neuroscience</i> , 2020, 43, 231-247.	5.0	58
14	The claustrum. <i>Current Biology</i> , 2020, 30, R1401-R1406.	1.8	52
15	Multimodal in vivo brain electrophysiology with integrated glass microelectrodes. <i>Nature Biomedical Engineering</i> , 2019, 3, 741-753.	11.6	40
16	Anesthetized- and awake-patched whole-cell recordings in freely moving rats using UV-cured collar-based electrode stabilization. <i>Nature Protocols</i> , 2014, 9, 2784-2795.	5.5	27
17	Elucidating Neuronal Mechanisms Using Intracellular Recordings during Behavior. <i>Trends in Neurosciences</i> , 2018, 41, 385-403.	4.2	16
18	Canonical goal-selective representations are absent from prefrontal cortex in a spatial working memory task requiring behavioral flexibility. <i>ELife</i> , 2020, 9, .	2.8	15

#	ARTICLE	IF	CITATIONS
19	Whole-Cell Patch-Clamp Recordings in Freely Moving Animals. <i>Methods in Molecular Biology</i> , 2014, 1183, 263-276.	0.4	7
20	Mesoscale-duration activated states gate spiking in response to fast rises in membrane voltage in the awake brain. <i>Journal of Neurophysiology</i> , 2017, 118, 1270-1291.	0.9	6
21	In Vivo Patch-Clamp Recording in Awake Head-Fixed Rodents. <i>Cold Spring Harbor Protocols</i> , 2017, 2017, pdb.prot095802.	0.2	5
22	Whole-Cell Recording in the Awake Brain. <i>Cold Spring Harbor Protocols</i> , 2017, 2017, pdb.top087304.	0.2	3
23	Efficient Method for Whole-Cell Recording in Freely Moving Rodents Using Ultraviolet-Cured Collar-Based Pipette Stabilization. <i>Cold Spring Harbor Protocols</i> , 2017, 2017, pdb.prot095810.	0.2	2