Albert K Lee

List of Publications by Year
in descending order

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	Neuropixels 2.0: A miniaturized high-density probe for stable, long-term brain recordings. Science, 2021, 372, .	6.0	467
2	The Statistical Structure of the Hippocampal Code for Space as a Function of Time, Context, and Value. Cell, 2020, 183, 620-635.e22.	13.5	84
3	The claustrum. Current Biology, 2020, 30, R1401-R1406.	1.8	52
4	The Anatomy and Physiology of Claustrum-Cortex Interactions. Annual Review of Neuroscience, 2020, 43, 231-247.	5.0	58
5	Canonical goal-selective representations are absent from prefrontal cortex in a spatial working memory task requiring behavioral flexibility. ELife, 2020, 9, .	2.8	15
6	Multimodal in vivo brain electrophysiology with integrated glass microelectrodes. Nature Biomedical Engineering, 2019, 3, 741-753.	11.6	40
7	Elucidating Neuronal Mechanisms Using Intracellular Recordings during Behavior. Trends in Neurosciences, 2018, 41, 385-403.	4.2	16
8	Inhibitory Control of Prefrontal Cortex by the Claustrum. Neuron, 2018, 99, 1029-1039.e4.	3.8	121
9	In Vivo Patch-Clamp Recording in Awake Head-Fixed Rodents. Cold Spring Harbor Protocols, 2017, 2017, pdb.prot095802.	0.2	5
10	Efficient Method for Whole-Cell Recording in Freely Moving Rodents Using Ultraviolet-Cured Collar-Based Pipette Stabilization. Cold Spring Harbor Protocols, 2017, 2017, pdb.prot095810.	0.2	2
11	Whole-Cell Recording in the Awake Brain. Cold Spring Harbor Protocols, 2017, 2017, pdb.top087304.	0.2	3
12	Fully integrated silicon probes for high-density recording of neural activity. Nature, 2017, 551, 232-236.	13.7	1,531
13	Mesoscale-duration activated states gate spiking in response to fast rises in membrane voltage in the awake brain. Journal of Neurophysiology, 2017, 118, 1270-1291.	0.9	6
14	Experience-dependent shaping of hippocampal CA1 intracellular activity in novel and familiar environments. ELife, 2017, 6, .	2.8	100
15	Near-Perfect Synaptic Integration by Na v 1.7 in Hypothalamic Neurons Regulates Body Weight. Cell, 2016, 165, 1749-1761.	13.5	77
16	Anesthetized- and awake-patched whole-cell recordings in freely moving rats using UV-cured collar-based electrode stabilization. Nature Protocols, 2014, 9, 2784-2795.	5.5	27
17	Whole-Cell Patch-Clamp Recordings in Freely Moving Animals. Methods in Molecular Biology, 2014, 1183, 263-276.	0.4	7
18	Natural Whisker-Guided Behavior by Head-Fixed Mice in Tactile Virtual Reality. Journal of Neuroscience, 2014, 34, 9537-9550.	1.7	129

#	Article	IF	Citations
19	Large environments reveal the statistical structure governing hippocampal representations. Science, 2014, 345, 814-817.	6.0	128
20	Hippocampal Place Fields Emerge upon Single-Cell Manipulation of Excitability During Behavior. Science, 2012, 337, 849-853.	6.0	218
21	Intracellular Determinants of Hippocampal CA1 Place and Silent Cell Activity in a Novel Environment. Neuron, 2011, 70, 109-120.	3.8	254
22	Impact of Spikelets on Hippocampal CA1 Pyramidal Cell Activity During Spatial Exploration. Science, 2010, 327, 474-477.	6.0	368
23	Head-anchored whole-cell recordings in freely moving rats. Nature Protocols, 2009, 4, 385-392.	5.5	361