

Luc J Gentet

List of Publications by Year in descending order

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21
papers

2,897
citations

394421

19
h-index

713466

21
g-index

23
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23
docs citations

23
times ranked

3749
citing authors

#	ARTICLE	IF	CITATIONS
1	Vigilance and Behavioral State-Dependent Modulation of Cortical Neuronal Activity throughout the Sleep/Wake Cycle. <i>Journal of Neuroscience</i> , 2022, 42, 4852-4866.	3.6	10
2	Compact Optical Neural Probes With Up to 20 Integrated Thin-Film μ LEDs Applied in Acute Optogenetic Studies. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 2603-2615.	4.2	14
3	Brain-State-Dependent Modulation of Neuronal Firing and Membrane Potential Dynamics in the Somatosensory Thalamus during Natural Sleep. <i>Cell Reports</i> , 2019, 26, 1443-1457.e5.	6.4	41
4	Hybrid intracerebral probe with integrated bare LED chips for optogenetic studies. <i>Biomedical Microdevices</i> , 2017, 19, 49.	2.8	36
5	Membrane Potential Dynamics of Spontaneous and Visually Evoked Gamma Activity in V1 of Awake Mice. <i>PLoS Biology</i> , 2016, 14, e1002383.	5.6	55
6	Whisking-Related Changes in Neuronal Firing and Membrane Potential Dynamics in the Somatosensory Thalamus of Awake Mice. <i>Cell Reports</i> , 2015, 13, 647-656.	6.4	121
7	Cell-Type and State-Dependent Synchronization among Rodent Somatosensory, Visual, Perirhinal Cortex, and Hippocampus CA1. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 187.	2.5	47
8	Unique functional properties of somatostatin-expressing GABAergic neurons in mouse barrel cortex. <i>Nature Neuroscience</i> , 2012, 15, 607-612.	14.8	416
9	Functional diversity of supragranular GABAergic neurons in the barrel cortex. <i>Frontiers in Neural Circuits</i> , 2012, 6, 52.	2.8	64
10	In Vivo Optogenetic Stimulation of Neocortical Excitatory Neurons Drives Brain-State-Dependent Inhibition. <i>Current Biology</i> , 2011, 21, 1593-1602.	3.9	92
11	Membrane Potential Dynamics of GABAergic Neurons in the Barrel Cortex of Behaving Mice. <i>Neuron</i> , 2010, 65, 422-435.	8.1	409
12	Dopamine Gates Action Potential Backpropagation in Midbrain Dopaminergic Neurons. <i>Journal of Neuroscience</i> , 2007, 27, 1892-1901.	3.6	77
13	Spatiotemporal Dynamics of Cortical Sensorimotor Integration in Behaving Mice. <i>Neuron</i> , 2007, 56, 907-923.	8.1	613
14	GABA _A and glycine receptor-mediated transmission in rat lamina II neurones: relevance to the analgesic actions of neuroactive steroids. <i>Journal of Physiology</i> , 2007, 583, 1021-1040.	2.9	76
15	Neuroactive steroids and inhibitory neurotransmission: Mechanisms of action and physiological relevance. <i>Neuroscience</i> , 2006, 138, 821-829.	2.3	150
16	Electrophysiological characterization of synaptic connections between layer VI cortical cells and neurons of the nucleus reticularis thalami in juvenile rats. <i>European Journal of Neuroscience</i> , 2004, 19, 625-633.	2.6	42
17	Strong, reliable and precise synaptic connections between thalamic relay cells and neurones of the nucleus reticularis in juvenile rats. <i>Journal of Physiology</i> , 2003, 546, 801-811.	2.9	84
18	The in vitro and in vivo enantioselectivity of etomidate implicates the GABA _A receptor in general anaesthesia. <i>Neuropharmacology</i> , 2003, 45, 57-71.	4.1	66

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19	Binding site stoichiometry and the effects of phosphorylation on human $\hat{I}\pm 1$ homomeric glycine receptors. <i>Journal of Physiology</i> , 2002, 544, 97-106.	2.9	43
20	Direct Measurement of Specific Membrane Capacitance in Neurons. <i>Biophysical Journal</i> , 2000, 79, 314-320.	0.5	393
21	Scale Lengths in Disk Surface Brightness as Probes of Dust Extinction in Three Spiral Galaxies: M51, NGC 3631, and NGC 4321. <i>Astrophysical Journal</i> , 1996, 467, 175.	4.5	46