

Jeffrey L Gauthier

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

2,916
citations

430442

18
h-index

794141

19
g-index

21
all docs

21
docs citations

21
times ranked

2788
citing authors

#	ARTICLE	IF	CITATIONS
1	CalmAn an open source tool for scalable calcium imaging data analysis. <i>ELife</i> , 2019, 8, .	2.8	551
2	The Structure of Multi-Neuron Firing Patterns in Primate Retina. <i>Journal of Neuroscience</i> , 2006, 26, 8254-8266.	1.7	408
3	Functional connectivity in the retina at the resolution of photoreceptors. <i>Nature</i> , 2010, 467, 673-677.	13.7	307
4	A Dedicated Population for Reward Coding in the Hippocampus. <i>Neuron</i> , 2018, 99, 179-193.e7.	3.8	227
5	Spatial Properties and Functional Organization of Small Bistratified Ganglion Cells in Primate Retina. <i>Journal of Neuroscience</i> , 2007, 27, 13261-13272.	1.7	189
6	Geometry of abstract learned knowledge in the hippocampus. <i>Nature</i> , 2021, 595, 80-84.	13.7	155
7	Identification and Characterization of a Y-Like Primate Retinal Ganglion Cell Type. <i>Journal of Neuroscience</i> , 2007, 27, 11019-11027.	1.7	145
8	The Structure of Large-Scale Synchronized Firing in Primate Retina. <i>Journal of Neuroscience</i> , 2009, 29, 5022-5031.	1.7	118
9	Receptive Fields in Primate Retina Are Coordinated to Sample Visual Space More Uniformly. <i>PLoS Biology</i> , 2009, 7, e1000063.	2.6	112
10	Collective Behavior of Place and Non-place Neurons in the Hippocampal Network. <i>Neuron</i> , 2017, 96, 1178-1191.e4.	3.8	107
11	High-sensitivity rod photoreceptor input to the blue-yellow color opponent pathway in macaque retina. <i>Nature Neuroscience</i> , 2009, 12, 1159-1164.	7.1	103
12	Efficient Coding of Spatial Information in the Primate Retina. <i>Journal of Neuroscience</i> , 2012, 32, 16256-16264.	1.7	94
13	A Map-like Micro-Organization of Grid Cells in the Medial Entorhinal Cortex. <i>Cell</i> , 2018, 175, 736-750.e30.	13.5	84
14	Correlated firing among major ganglion cell types in primate retina. <i>Journal of Physiology</i> , 2011, 589, 75-86.	1.3	65
15	Anatomical Identification of Extracellularly Recorded Cells in Large-Scale Multielectrode Recordings. <i>Journal of Neuroscience</i> , 2015, 35, 4663-4675.	1.7	63
16	Coarse Graining, Fixed Points, and Scaling in a Large Population of Neurons. <i>Physical Review Letters</i> , 2019, 123, 178103.	2.9	61
17	A Polyaxonal Amacrine Cell Population in the Primate Retina. <i>Journal of Neuroscience</i> , 2014, 34, 3597-3606.	1.7	60
18	Uniform Signal Redundancy of Parasol and Midget Ganglion Cells in Primate Retina. <i>Journal of Neuroscience</i> , 2009, 29, 4675-4680.	1.7	45

#	ARTICLE	IF	CITATIONS
19	Detecting and correcting false transients in calcium imaging. Nature Methods, 2022, 19, 470-478.	9.0	7