

# Greg Gage

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6545440/publications.pdf>

Version: 2024-02-01

28  
papers

1,541  
citations

567281

15  
h-index

713466

21  
g-index

31  
all docs

31  
docs citations

31  
times ranked

2671  
citing authors

#	ARTICLE	IF	CITATIONS
1	Whole Animal Perfusion Fixation for Rodents. Journal of Visualized Experiments, 2012, , .	0.3	358
2	Basal Ganglia Beta Oscillations Accompany Cue Utilization. Neuron, 2012, 73, 523-536.	8.1	252
3	Open Labware: 3-D Printing Your Own Lab Equipment. PLoS Biology, 2015, 13, e1002086.	5.6	239
4	Selective Activation of Striatal Fast-Spiking Interneurons during Choice Execution. Neuron, 2010, 67, 466-479.	8.1	221
5	Na <sup>+</sup> -ve coadaptive cortical control. Journal of Neural Engineering, 2005, 2, 52-63.	3.5	94
6	Wavelet filtering before spike detection preserves waveform shape and enhances single-unit discrimination. Journal of Neuroscience Methods, 2008, 173, 34-40.	2.5	87
7	The SpikerBox: A Low Cost, Open-Source BioAmplifier for Increasing Public Participation in Neuroscience Inquiry. PLoS ONE, 2012, 7, e30837.	2.5	68
8	Portable conduction velocity experiments using earthworms for the college and high school neuroscience teaching laboratory. American Journal of Physiology - Advances in Physiology Education, 2014, 38, 62-70.	1.6	32
9	Development of Closed-Loop Neural Interface Technology in a Rat Model: Combining Motor Cortex Operant Conditioning With Visual Cortex Microstimulation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2010, 18, 117-126.	4.9	25
10	Local dynamics of gap-junction-coupled interneuron networks. Physical Biology, 2010, 7, 016015.	1.8	25
11	Surgical Implantation of Chronic Neural Electrodes for Recording Single Unit Activity and Electrocorticographic Signals. Journal of Visualized Experiments, 2012, , .	0.3	25
12	The Case for Neuroscience Research in the Classroom. Neuron, 2019, 102, 914-917.	8.1	22
13	Estimation of electrode location in a rat motor cortex by laminar analysis of electrophysiology and intracortical electrical stimulation. Journal of Neural Engineering, 2011, 8, 046018.	3.5	21
14	Using crickets to introduce neurophysiology to early undergraduate students. Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience, 2013, 12, A66-74.	0.0	17
15	Neurorobotics Workshop for High School Students Promotes Competence and Confidence in Computational Neuroscience. Frontiers in Neurorobotics, 2020, 14, 6.	2.8	6
16	Grasshopper DCMD: An Undergraduate Electrophysiology Lab for Investigating Single-Unit Responses to Behaviorally-Relevant Stimuli. Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience, 2017, 15, A162-A173.	0.0	6
17	Laminar Characterization of Spiking Activity in the Rat Motor Cortex. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4735-8.	0.5	3
18	Gills Just Want to Have Fun: Can Fish Play Games, Just like Us?. Animals, 2022, 12, 1684.	2.3	3

#	ARTICLE	IF	CITATIONS
19	Information Capacity of Brain Machine Interfaces. , 2005, 2005, 2110-3.		2
20	Laminar Analysis of Movement Direction Information in Local Field Potentials of the Rat Motor Cortex. , 2006, 2006, 2589-92.		2
21	A small, light-weight, low-power, multichannel wireless neural recording microsystem. , 2009, 2009, 5413-6.		2
22	Authentic Research Investigations of a Controversial Question. American Biology Teacher, 2021, 83, 222-228.	0.2	2
23	Linear Electrode Depth Estimation in Rat Motor Cortex by Laminar Analysis of Ketamine-Xylazine-Induced Oscillations. , 2007, , .		1
24	Developing and Implementing Low-Cost Remote Laboratories for Undergraduate Biology and Neuroscience Courses. Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience, 2020, 19, A118-A123.	0.0	1
25	Real-time Detection of Unitary Events For Cortical Control. , 2005, 2005, 2122-5.		0
26	Development of Neural Interfaces for Chronic Use in Neuromotor Prosthetics. , 2007, , .		0
27	Decoding the Direction of Movements from Interneuron and Projection Cell Populations in the Basal Ganglia. , 2007, , .		0
28	Laminar Analysis of Movement Direction Information in Local Field Potentials of the Rat Motor Cortex. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0