

# Lucy M Palmer

## List of Publications by Year in descending order

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26  
papers

1,566  
citations

566801

15  
h-index

676716

22  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2168  
citing authors

#	ARTICLE	IF	CITATIONS
1	Site of Action Potential Initiation in Layer 5 Pyramidal Neurons. <i>Journal of Neuroscience</i> , 2006, 26, 1854-1863.	1.7	280
2	The Cellular Basis of GABA <sub>B</sub> -Mediated Interhemispheric Inhibition. <i>Science</i> , 2012, 335, 989-993.	6.0	270
3	NMDA spikes enhance action potential generation during sensory input. <i>Nature Neuroscience</i> , 2014, 17, 383-390.	7.1	267
4	Membrane Potential Changes in Dendritic Spines during Action Potentials and Synaptic Input. <i>Journal of Neuroscience</i> , 2009, 29, 6897-6903.	1.7	141
5	Transcranial magnetic stimulation (TMS) inhibits cortical dendrites. <i>ELife</i> , 2016, 5, .	2.8	86
6	RAPID REPORT: Initiation of simple and complex spikes in cerebellar Purkinje cells. <i>Journal of Physiology</i> , 2010, 588, 1709-1717.	1.3	81
7	Inhibitory Regulation of Dendritic Activity in vivo. <i>Frontiers in Neural Circuits</i> , 2012, 6, 26.	1.4	74
8	Effect of the Anesthetic Tricaine (MS-222) on Nerve Activity in the Anterior Lateral Line of the Oyster Toadfish, <i>Opsanus tau</i> . <i>Journal of Neurophysiology</i> , 2004, 92, 1034-1041.	0.9	55
9	Design and performance of an ultra-flexible two-photon microscope for in vivo research. <i>Biomedical Optics Express</i> , 2015, 6, 4228.	1.5	55
10	Early Exposure to Alcohol Leads to Permanent Impairment of Dendritic Excitability in Neocortical Pyramidal Neurons. <i>Journal of Neuroscience</i> , 2012, 32, 1377-1382.	1.7	41
11	Sensitivity of the anterior lateral line to natural stimuli in the oyster toadfish, <i>Opsanus tau</i> (Linnaeus). <i>Journal of Experimental Biology</i> , 2005, 208, 3441-3450.	0.8	35
12	Imaging membrane potential in dendrites and axons of single neurons. <i>Pflugers Archiv European Journal of Physiology</i> , 2006, 453, 403-410.	1.3	34
13	Dendritic integration in pyramidal neurons during network activity and disease. <i>Brain Research Bulletin</i> , 2014, 103, 2-10.	1.4	27
14	Layer-specific regulation of cortical neurons by interhemispheric inhibition. <i>Communicative and Integrative Biology</i> , 2013, 6, e23545.	0.6	23
15	Neural Recordings From the Lateral Line in Free-Swimming Toadfish, <i>Opsanus tau</i> . <i>Biological Bulletin</i> , 2003, 205, 216-218.	0.7	20
16	A Reward-Based Behavioral Platform to Measure Neural Activity during Head-Fixed Behavior. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 156.	1.8	18
17	Auditory input enhances somatosensory encoding and tactile goal-directed behavior. <i>Nature Communications</i> , 2021, 12, 4509.	5.8	14
18	Local and Global Dynamics of Dendritic Activity in the Pyramidal Neuron. <i>Neuroscience</i> , 2022, 489, 176-184.	1.1	13

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19	Probing Cortical Activity During Head-Fixed Behavior. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 30.	1.4	10
20	Dendritic integration in vivo. , 2016, , 399-428.		6
21	The role of higher-order thalamus during learning and correct performance in goal-directed behavior. <i>ELife</i> , 2022, 11, .	2.8	5
22	Building Bridges through Science. <i>Neuron</i> , 2017, 96, 730-735.	3.8	2
23	Intracellular calcium release: A conductor of compartmentalized dendritic plasticity. <i>Cell</i> , 2022, 185, 1627-1629.	13.5	1
24	Two-Photon Imaging of Dendritic Calcium Dynamics In Vivo. <i>Neuromethods</i> , 2019, , 279-295.	0.2	0
25	Dendrites: Recording from Fine Neuronal Structures Using Patch-Clamp and Imaging Techniques. <i>Neuromethods</i> , 2016, , 97-121.	0.2	0
26	High Synaptic Threshold for NMDA Spike Generation in Human Layer 2/3 Pyramidal Neurons. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0