

Jonathan Bradley

List of Publications by Year in descending order

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32
papers

1,703
citations

516215

16
h-index

839053

18
g-index

35
all docs

35
docs citations

35
times ranked

2078
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast Two-Photon Imaging of a High-Gain Voltage Indicator in Awake Behaving Mice. <i>Cell</i> , 2019, 179, 1590-1608.e23.	13.5	242
2	The Native Rat Olfactory Cyclic Nucleotide-Gated Channel Is Composed of Three Distinct Subunits. <i>Journal of Neuroscience</i> , 1999, 19, 5332-5347.	1.7	207
3	Mechanism of the Excitatory Cl ⁻ Response in Mouse Olfactory Receptor Neurons. <i>Neuron</i> , 2005, 45, 553-561.	3.8	164
4	Spatially Selective Holographic Photoactivation and Functional Fluorescence Imaging in Freely Behaving Mice with a Fiberscope. <i>Neuron</i> , 2014, 84, 1157-1169.	3.8	163
5	Regulation of cyclic nucleotide-gated channels. <i>Current Opinion in Neurobiology</i> , 2005, 15, 343-349.	2.0	136
6	Functional Expression of the Heteromeric α -Olfactory β -Cyclic Nucleotide-Gated Channel in the Hippocampus: A Potential Effector of Synaptic Plasticity in Brain Neurons. <i>Journal of Neuroscience</i> , 1997, 17, 1993-2005.	1.7	123
7	Calmodulin permanently associates with rat olfactory CNG channels under native conditions. <i>Nature Neuroscience</i> , 2004, 7, 705-710.	7.1	111
8	Functional patterned multiphoton excitation deep inside scattering tissue. <i>Nature Photonics</i> , 2013, 7, 274-278.	15.6	103
9	Submillisecond Optical Reporting of Membrane Potential <i>In Situ</i> Using a Neuronal Tracer Dye. <i>Journal of Neuroscience</i> , 2009, 29, 9197-9209.	1.7	94
10	Loss of CNGB1 Protein Leads to Olfactory Dysfunction and Subciliary Cyclic Nucleotide-gated Channel Trapping. <i>Journal of Biological Chemistry</i> , 2006, 281, 35156-35166.	1.6	73
11	Molecular Characterization of the Cellular Receptor for Poliovirus. <i>Virology</i> , 1994, 199, 105-113.	1.1	63
12	Encoded multisite two-photon microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13138-13143.	3.3	60
13	Fast-Response Calmodulin-Based Fluorescent Indicators Reveal Rapid Intracellular Calcium Dynamics. <i>Scientific Reports</i> , 2015, 5, 15978.	1.6	45
14	Aplysia cys-loop Glutamate-Gated Chloride Channels Reveal Convergent Evolution of Ligand Specificity. <i>Journal of Molecular Evolution</i> , 2009, 69, 125-141.	0.8	44
15	Spectral Unmixing: Analysis of Performance in the Olfactory Bulb <i>In Vivo</i> . <i>PLoS ONE</i> , 2009, 4, e4418.	1.1	28
16	An excitatory GABA loop operating in vivo. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 275.	1.8	26
17	Transduction Mechanisms in Taste Cells. , 2005, , 153-177.		5
18	Ion Channels and Thermotransduction. , 2005, , 235-249.		3

#	ARTICLE	IF	CITATIONS
19	Invertebrate Phototransduction: Multimolecular Signaling Complexes and the Role of TRP and TRPL Channels. , 2005, , 179-206.		3
20	Synergism of type 1 metabotropic and ionotropic glutamate receptors in cerebellar molecular layer interneurons in vivo. ELife, 2020, 9, .	2.8	3
21	Transduction and Transmission in Electroreceptor Organs. , 2005, , 271-298.		2
22	Chemosensory Transduction in Caenorhabditis elegans. , 2005, , 73-97.		2
23	Activation of olfactory cyclic-nucleotide gated channels revisited. Journal of Physiology, 2005, 569, 4-5.	1.3	1
24	Transduction Channels in Hair Cells. , 2005, , 31-56.		1
25	Transduction Channels in the Vomeronasal Organ. , 2005, , 135-152.		1
26	The Molecular Basis of Touch Sensation As Modeled in Caenorhabditis elegans. , 2005, , 1-29.		0
27	Acid-Sensing Ion Channels. , 2005, , 57-72.		0
28	Vertebrate Olfactory Signal Transduction and the Interplay of Excitatory Anionic and Cationic Currents. , 2005, , 99-134.		0
29	Pain Transduction: Gating and Modulation of Ion Channels. , 2005, , 251-270.		0
30	The Transduction Channels of Rod and Cone Photoreceptors. , 2005, , 207-233.		0
31	Multiphoton Ultrafast Local Volume Excitation (ULOVE) Through Acousto-optic Wavefront Shaping to Record and Control Neuronal Activity. , 2018, , .		0
32	A FIBERSCOPE FOR SPATIALLY SELECTIVE PHOTOACTIVATION AND FUNCTIONAL FLUORESCENCE IMAGING IN FREELY BEHAVING MICE. , 2015, , .		0