

Adrian Rodriguez-Contreras

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,141
citations

516710

16
h-index

526287

27
g-index

35
all docs

35
docs citations

35
times ranked

1376
citing authors

#	ARTICLE	IF	CITATIONS
1	Transmission in near-infrared optical windows for deep brain imaging. <i>Journal of Biophotonics</i> , 2016, 9, 38-43.	2.3	258
2	Calcium action potentials in hair cells pattern auditory neuron activity before hearing onset. <i>Nature Neuroscience</i> , 2010, 13, 1050-1052.	14.8	183
3	Direct measurement of single-channel Ca ²⁺ currents in bullfrog hair cells reveals two distinct channel subtypes. <i>Journal of Physiology</i> , 2001, 534, 669-689.	2.9	100
4	Dynamic development of the calyx of Held synapse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5603-5608.	7.1	69
5	Learning Drives Differential Clustering of Axodendritic Contacts in the Barn Owl Auditory System. <i>Journal of Neuroscience</i> , 2008, 28, 6960-6973.	3.6	67
6	Developmental Changes in Short-Term Plasticity at the Rat Calyx of Held Synapse. <i>Journal of Neuroscience</i> , 2011, 31, 11706-11717.	3.6	48
7	Branching of calyceal afferents during postnatal development in the rat auditory brainstem. <i>Journal of Comparative Neurology</i> , 2006, 496, 214-228.	1.6	45
8	Ca ²⁺ -transport properties and determinants of anomalous mole fraction effects of single voltage-gated Ca ²⁺ -channels in hair cells from bullfrog saccule. <i>Journal of Physiology</i> , 2002, 538, 729-745.	2.9	42
9	Transmission of classically entangled beams through mouse brain tissue. <i>Journal of Biophotonics</i> , 2018, 11, e201800096.	2.3	39
10	Effects of Permeant Ion Concentrations on the Gating of L-Type Ca ²⁺ Channels in Hair Cells. <i>Biophysical Journal</i> , 2003, 84, 3457-3469.	0.5	35
11	Functional Interaction of Auxiliary Subunits and Synaptic Proteins With Ca _v 1.3 May Impart Hair Cell Ca ²⁺ -Current Properties. <i>Journal of Neurophysiology</i> , 2003, 89, 1143-1149.	1.8	35
12	Terahertz spectroscopy of brain tissue from a mouse model of Alzheimer's disease. <i>Journal of Biomedical Optics</i> , 2016, 21, 015014.	2.6	29
13	Natural and lesion-induced decrease in cell proliferation in the medial nucleus of the trapezoid body during hearing development. <i>Journal of Comparative Neurology</i> , 2014, 522, 971-985.	1.6	28
14	Axodendritic Contacts onto Calcium/Calmodulin-Dependent Protein Kinase Type II-Expressing Neurons in the Barn Owl Auditory Space Map. <i>Journal of Neuroscience</i> , 2005, 25, 5611-5622.	3.6	26
15	Strengthening of the Efferent Olivocochlear System Leads to Synaptic Dysfunction and Tonotopy Disruption of a Central Auditory Nucleus. <i>Journal of Neuroscience</i> , 2019, 39, 7037-7048.	3.6	23
16	Propagation of Gaussian and Laguerre-Gaussian vortex beams through mouse brain tissue. <i>Journal of Biophotonics</i> , 2017, 10, 1756-1760.	2.3	17
17	Release and Elementary Mechanisms of Nitric Oxide in Hair Cells. <i>Journal of Neurophysiology</i> , 2010, 103, 2494-2505.	1.8	16
18	Effect of Maternal Care on Hearing Onset Induced by Developmental Changes in the Auditory Periphery. <i>Journal of Neuroscience</i> , 2014, 34, 4528-4533.	3.6	14

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19	Alzheimer mouse brain tissue measured by time resolved fluorescence spectroscopy using single- and multi-photon excitation of label free native molecules. <i>Journal of Biophotonics</i> , 2018, 11, e201600318.	2.3	14
20	Effects of Strontium on the Permeation and Gating Phenotype of Calcium Channels in Hair Cells. <i>Journal of Neurophysiology</i> , 2008, 100, 2115-2124.	1.8	13
21	Gaussian beam in two-photon fluorescence imaging of rat brain microvessel. <i>Journal of Biomedical Optics</i> , 2014, 19, 126006.	2.6	12
22	Deep two-photon microscopic imaging through brain tissue using the second singlet state from fluorescent agent chlorophyll \hat{a} in spinach leaf. <i>Journal of Biomedical Optics</i> , 2014, 19, 066009.	2.6	6
23	Defining the relationship between maternal care behavior and sensory development in Wistar rats: Auditory periphery development, eye opening and brain gene expression. <i>PLoS ONE</i> , 2020, 15, e0237933.	2.5	6
24	A Method to Make a Craniotomy on the Ventral Skull of Neonate Rodents. <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	5
25	Distinct Cellular Profiles of Hif1a and Vegf mRNA Localization in Microglia, Astrocytes and Neurons during a Period of Vascular Maturation in the Auditory Brainstem of Neonate Rats. <i>Brain Sciences</i> , 2021, 11, 944.	2.3	4
26	In vivo two-photon imaging measuring the blood-brain barrier permeability during early postnatal brain development in rodent. , 2016, , .		3
27	Characterization of Developmental Changes in Spontaneous Electrical Activity of Medial Superior Olivary Neurons Before Hearing Onset With a Combination of Injectable and Volatile Anesthesia. <i>Frontiers in Neuroscience</i> , 2021, 15, 654479.	2.8	3
28	Natural and lesion-induced decrease in cell proliferation in the medial nucleus of the trapezoid body during hearing development. <i>Journal of Comparative Neurology</i> , 2014, 522, Spc1-Spc1.	1.6	1
29	Title is missing!. , 2020, 15, e0237933.		0
30	Title is missing!. , 2020, 15, e0237933.		0
31	Title is missing!. , 2020, 15, e0237933.		0
32	Title is missing!. , 2020, 15, e0237933.		0
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34	Title is missing!. , 2020, 15, e0237933.		0