John Y Lin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3220562/publications.pdf

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30	4,910	361045	454577
papers	citations	20 h-index	30 g-index

32	32	32	7363
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Engineering a memory with LTD and LTP. Nature, 2014, 511, 348-352.	13.7	822
2	ReaChR: a red-shifted variant of channelrhodopsin enables deep transcranial optogenetic excitation. Nature Neuroscience, 2013, 16, 1499-1508.	7.1	721
3	Characterization of Engineered Channelrhodopsin Variants with Improved Properties and Kinetics. Biophysical Journal, 2009, 96, 1803-1814.	0.2	638
4	The Growing and Glowing Toolbox of Fluorescent and Photoactive Proteins. Trends in Biochemical Sciences, 2017, 42, 111-129.	3.7	514
5	A user's guide to channelrhodopsin variants: features, limitations and future developments. Experimental Physiology, 2011, 96, 19-25.	0.9	293
6	Optogenetic control of Drosophila using a red-shifted channelrhodopsin reveals experience-dependent influences on courtship. Nature Methods, 2014, 11, 325-332.	9.0	272
7	Optically monitoring voltage in neurons by photo-induced electron transfer through molecular wires. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2114-2119.	3.3	253
8	An Oral Vaccine Against NMDAR1 with Efficacy in Experimental Stroke and Epilepsy. Science, 2000, 287, 1453-1460.	6.0	209
9	A far-red fluorescent protein evolved from a cyanobacterial phycobiliprotein. Nature Methods, 2016, 13, 763-769.	9.0	169
10	Optogenetic Inhibition of Synaptic Release with Chromophore-Assisted Light Inactivation (CALI). Neuron, 2013, 79, 241-253.	3.8	165
11	Redâ€shifted channelrhodopsin stimulation restores light responses in blind mice, macaque retina, and human retina. EMBO Molecular Medicine, 2016, 8, 1248-1264.	3.3	139
12	High-potency ligands for DREADD imaging and activation in rodents and monkeys. Nature Communications, 2019, 10, 4627.	5.8	128
13	Toward the Second Generation of Optogenetic Tools. Journal of Neuroscience, 2010, 30, 14998-15004.	1.7	95
14	Dual-Channel Circuit Mapping Reveals Sensorimotor Convergence in the Primary Motor Cortex. Journal of Neuroscience, 2015, 35, 4418-4426.	1.7	87
15	Hypothalamic huntingtin-associated protein 1 as a mediator of feeding behavior. Nature Medicine, 2006, 12, 526-533.	15.2	81
16	Optogenetic approaches to vision restoration. Experimental Eye Research, 2019, 178, 15-26.	1.2	77
17	STIM1 Is Required for Remodeling of the Endoplasmic Reticulum and Microtubule Cytoskeleton in Steering Growth Cones. Journal of Neuroscience, 2019, 39, 5095-5114.	1.7	39
18	Optogenetic excitation of neurons with channelrhodopsins. Progress in Brain Research, 2012, 196, 29-47.	0.9	36

#	Article	IF	Citations
19	Receptor subtype-specific modulation by dopamine of glutamatergic responses in striatal medium spiny neurons. Brain Research, 2003, 959, 251-262.	1.1	31
20	Effects of muscarinic acetylcholine receptor activation on membrane currents and intracellular messengers in medium spiny neurones of the rat striatum. European Journal of Neuroscience, 2004, 20, 1219-1230.	1.2	25
21	Dendritic Projections and Dye-Coupling in Dopaminergic Neurons of the Substantia Nigra Examined in Horizontal Brain Slices From Young Rats. Journal of Neurophysiology, 2003, 90, 2531-2535.	0.9	20
22	An Optimized Triple Modality Reporter for Quantitative In Vivo Tumor Imaging and Therapy Evaluation. PLoS ONE, 2014, 9, e97415.	1.1	18
23	Interhemispheric Connectivity Potentiates the Basolateral Amygdalae and Regulates Social Interaction and Memory. Cell Reports, 2019, 29, 34-48.e4.	2.9	17
24	Fluorescent proteins for in vivo imaging, where's the biliverdin?. Biochemical Society Transactions, 2020, 48, 2657-2667.	1.6	17
25	The network vs. pacemaker theory of the activity of RVL presympathetic neurons-a comparison with another putative pacemaker system. Autonomic Neuroscience: Basic and Clinical, 2002, 98, 85-89.	1.4	14
26	â€œDo More, Feel Betterâ€• Pilot RCT of Lay-Delivered Behavioral Activation for Depressed Senior Center Clients. Behavior Therapy, 2022, 53, 458-468.	1.3	10
27	A self-labeling protein based on the small ultra-red fluorescent protein, smURFP. RSC Chemical Biology, 2021, 2, 1221-1226.	2.0	7
28	Broad spectral excitation of opsin for enhanced stimulation of cells. Optics Letters, 2015, 40, 2465.	1.7	5
29	Production and Validation of Recombinant Adeno-Associated Virus for Channelrhodopsin Expression in Neurons. Methods in Molecular Biology, 2013, 998, 401-415.	0.4	3
30	Discovery and Development of Spectrally Diverse Channelrhodopsins (ChR) for Neurobiological Applications. Biological and Medical Physics Series, 2015, , 129-146.	0.3	0