

Martin Sumser

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3238546/publications.pdf>

Version: 2024-02-01

17
papers

1,214
citations

759233

12
h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

1702
citing authors

#	ARTICLE	IF	CITATIONS
1	TRPC3 Channels Are Required for Synaptic Transmission and Motor Coordination. <i>Neuron</i> , 2008, 59, 392-398.	8.1	356
2	Spatially Selective Nucleation of Metal Clusters on the Tobacco Mosaic Virus. <i>Advanced Functional Materials</i> , 2004, 14, 116-124.	14.9	235
3	Photoswitchable fatty acids enable optical control of TRPV1. <i>Nature Communications</i> , 2015, 6, 7118.	12.8	126
4	Binding the Tobacco Mosaic Virus to Inorganic Surfaces. <i>Langmuir</i> , 2004, 20, 441-447.	3.5	103
5	Optical control of NMDA receptors with a diffusible photoswitch. <i>Nature Communications</i> , 2015, 6, 8076.	12.8	76
6	A Photochromic Agonist of AMPA Receptors. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5748-5751.	13.8	74
7	AzoCholine Enables Optical Control of Alpha 7 Nicotinic Acetylcholine Receptors in Neural Networks. <i>ACS Chemical Neuroscience</i> , 2015, 6, 701-707.	3.5	49
8	Photopharmacological control of bipolar cells restores visual function in blind mice. <i>Journal of Clinical Investigation</i> , 2017, 127, 2598-2611.	8.2	47
9	Optical control of AMPA receptors using a photoswitchable quinoxaline-2,3-dione antagonist. <i>Chemical Science</i> , 2017, 8, 611-615.	7.4	42
10	Optical control of L-type Ca ²⁺ channels using a diltiazem photoswitch. <i>Nature Chemical Biology</i> , 2018, 14, 764-767.	8.0	40
11	Restoring Light Sensitivity in Blind Retinae Using a Photochromic AMPA Receptor Agonist. <i>ACS Chemical Neuroscience</i> , 2016, 7, 15-20.	3.5	36
12	Optical Control of a Delayed Rectifier and a Two-Pore Potassium Channel with a Photoswitchable Bupivacaine. <i>ACS Chemical Neuroscience</i> , 2018, 9, 2886-2891.	3.5	9
13	Molecular Dynamics Investigation of gluazo, a Photo-Switchable Ligand for the Glutamate Receptor GluK2. <i>PLoS ONE</i> , 2015, 10, e0135399.	2.5	8
14	Cholinergic Photopharmacology – Controlling nicotinic and muscarinic Acetylcholine Receptors with Photoswitchable Molecules. <i>FASEB Journal</i> , 2015, 29, 933.5.	0.5	1
15	Characterization of Light-Controllable Polyamine Toxin Inhibitors of Ionotropic Glutamate Receptors. <i>Biophysical Journal</i> , 2014, 106, 150a-151a.	0.5	0
16	Photocontrol of AMPA Receptors with a Photochromic Ligand. <i>Methods in Molecular Biology</i> , 2014, 1148, 69-76.	0.9	0
17	Restoring Light Sensitivity in Blind Retinae using Third Generation Photopharmacology. <i>FASEB Journal</i> , 2015, 29, LB547.	0.5	0