

Michael M Kohl

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3624514/publications.pdf>

Version: 2024-02-01

19
papers

1,172
citations

758635

12
h-index

887659

17
g-index

26
all docs

26
docs citations

26
times ranked

2062
citing authors

#	ARTICLE	IF	CITATIONS
1	Aberration-free three-dimensional multiphoton imaging of neuronal activity at kHz rates. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2919-2924.	3.3	195
2	Distinct Roles of GABAA and GABAB Receptors in Balancing and Terminating Persistent Cortical Activity. Journal of Neuroscience, 2009, 29, 7513-7518.	1.7	188
3	Left-right dissociation of hippocampal memory processes in mice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15238-15243.	3.3	161
4	Amphiphilic Porphyrins for Second Harmonic Generation Imaging. Journal of the American Chemical Society, 2009, 131, 2758-2759.	6.6	134
5	Hemisphere-specific optogenetic stimulation reveals left-right asymmetry of hippocampal plasticity. Nature Neuroscience, 2011, 14, 1413-1415.	7.1	106
6	The Roles of GABAB Receptors in Cortical Network Activity. Advances in Pharmacology, 2010, 58, 205-229.	1.2	95
7	Presynaptic Induction and Expression of Timing-Dependent Long-Term Depression Demonstrated by Compartment-Specific Photorelease of a Use-Dependent NMDA Receptor Antagonist. Journal of Neuroscience, 2011, 31, 8564-8569.	1.7	67
8	Distinct roles of parvalbumin and somatostatin interneurons in gating the synchronization of spike times in the neocortex. Science Advances, 2020, 6, eaay5333.	4.7	52
9	Optogenetic activation of parvalbumin and somatostatin interneurons selectively restores theta-nested gamma oscillations and oscillation-induced spike timing-dependent long-term potentiation impaired by amyloid β oligomers. BMC Biology, 2020, 18, 7.	1.7	46
10	Dissociation of somatostatin and parvalbumin interneurons circuit dysfunctions underlying hippocampal theta and gamma oscillations impaired by amyloid β oligomers in vivo. Brain Structure and Function, 2020, 225, 935-954.	1.2	41
11	Open-source, Python-based, hardware and software for controlling behavioural neuroscience experiments. ELife, 2022, 11, .	2.8	26
12	Porphyrin Dyes for Nonlinear Optical Imaging of Live Cells. IScience, 2018, 4, 153-163.	1.9	21
13	Caged intracellular NMDA receptor blockers for the study of subcellular ion channel function. Communicative and Integrative Biology, 2012, 5, 240-242.	0.6	13
14	Quasi-simultaneous multiplane calcium imaging of neuronal circuits. Biomedical Optics Express, 2019, 10, 267.	1.5	10
15	Contribution of Interneuron Subtype-Specific GABAergic Signaling to Emergent Sensory Processing in Mouse Somatosensory Whisker Barrel Cortex. Cerebral Cortex, 2022, 32, 2538-2554.	1.6	7
16	Neocortical inhibitory interneuron subtypes are differentially attuned to synchrony- and rate-coded information. Communications Biology, 2021, 4, 935.	2.0	3
17	Fast multiplane functional imaging combining acousto-optic switching and remote focusing. Proceedings of SPIE, 2017, .	0.8	0
18	Optogenetic Mapping of Neuronal Connections and their Plasticity. , 0, , 224-238.		0

#	ARTICLE	IF	CITATIONS
19	Optogenetic Methods to Study Lateralized Synaptic Function. <i>Neuromethods</i> , 2017, , 331-365.	0.2	0