

Michael M Kohl

List of Publications by Year in descending order

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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	Contribution of Interneuron Subtype-Specific GABAergic Signaling to Emergent Sensory Processing in Mouse Somatosensory Whisker Barrel Cortex. <i>Cerebral Cortex</i> , 2022, 32, 2538-2554.	1.6	7
2	Open-source, Python-based, hardware and software for controlling behavioural neuroscience experiments. <i>ELife</i> , 2022, 11, .	2.8	26
3	Neocortical inhibitory interneuron subtypes are differentially attuned to synchrony- and rate-coded information. <i>Communications Biology</i> , 2021, 4, 935.	2.0	3
4	Dissociation of somatostatin and parvalbumin interneurons circuit dysfunctions underlying hippocampal theta and gamma oscillations impaired by amyloid β^2 oligomers in vivo. <i>Brain Structure and Function</i> , 2020, 225, 935-954.	1.2	41
5	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^2 oligomers. <i>BMC Biology</i> , 2020, 18, 7.	1.7	46
6	Distinct roles of parvalbumin and somatostatin interneurons in gating the synchronization of spike times in the neocortex. <i>Science Advances</i> , 2020, 6, eaay5333.	4.7	52
7	Quasi-simultaneous multiplane calcium imaging of neuronal circuits. <i>Biomedical Optics Express</i> , 2019, 10, 267.	1.5	10
8	Porphyrin Dyes for Nonlinear Optical Imaging of Live Cells. <i>IScience</i> , 2018, 4, 153-163.	1.9	21
9	Fast multiplane functional imaging combining acousto-optic switching and remote focusing. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
10	Optogenetic Methods to Study Lateralized Synaptic Function. <i>Neuromethods</i> , 2017, , 331-365.	0.2	0
11	Left-right dissociation of hippocampal memory processes in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15238-15243.	3.3	161
12	Caged intracellular NMDA receptor blockers for the study of subcellular ion channel function. <i>Communicative and Integrative Biology</i> , 2012, 5, 240-242.	0.6	13
13	Aberration-free three-dimensional multiphoton imaging of neuronal activity at kHz rates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2919-2924.	3.3	195
14	Hemisphere-specific optogenetic stimulation reveals left-right asymmetry of hippocampal plasticity. <i>Nature Neuroscience</i> , 2011, 14, 1413-1415.	7.1	106
15	Presynaptic Induction and Expression of Timing-Dependent Long-Term Depression Demonstrated by Compartment-Specific Photorelease of a Use-Dependent NMDA Receptor Antagonist. <i>Journal of Neuroscience</i> , 2011, 31, 8564-8569.	1.7	67
16	The Roles of GABAB Receptors in Cortical Network Activity. <i>Advances in Pharmacology</i> , 2010, 58, 205-229.	1.2	95
17	Distinct Roles of GABAA and GABAB Receptors in Balancing and Terminating Persistent Cortical Activity. <i>Journal of Neuroscience</i> , 2009, 29, 7513-7518.	1.7	188
18	Amphiphilic Porphyrins for Second Harmonic Generation Imaging. <i>Journal of the American Chemical Society</i> , 2009, 131, 2758-2759.	6.6	134

#	ARTICLE	IF	CITATIONS
19	Optogenetic Mapping of Neuronal Connections and their Plasticity. , 0, , 224-238.		0