

Edward O Mann

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3577608/publications.pdf>

Version: 2024-02-01

36
papers

3,918
citations

304743

22
h-index

395702

33
g-index

43
all docs

43
docs citations

43
times ranked

5011
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibitory Interneuron Deficit Links Altered Network Activity and Cognitive Dysfunction in Alzheimer Model. <i>Cell</i> , 2012, 149, 708-721.	28.9	934
2	Role of GABAergic inhibition in hippocampal network oscillations. <i>Trends in Neurosciences</i> , 2007, 30, 343-349.	8.6	337
3	Which GABA _A Receptor Subunits Are Necessary for Tonic Inhibition in the Hippocampus?. <i>Journal of Neuroscience</i> , 2008, 28, 1421-1426.	3.6	325
4	Perisomatic Feedback Inhibition Underlies Cholinergically Induced Fast Network Oscillations in the Rat Hippocampus In Vitro. <i>Neuron</i> , 2005, 45, 105-117.	8.1	293
5	Spike Timing of Distinct Types of GABAergic Interneuron during Hippocampal Gamma Oscillations In Vitro. <i>Journal of Neuroscience</i> , 2004, 24, 9127-9137.	3.6	288
6	Maintaining network activity in submerged hippocampal slices: importance of oxygen supply. <i>European Journal of Neuroscience</i> , 2009, 29, 319-327.	2.6	210
7	Control of hippocampal gamma oscillation frequency by tonic inhibition and excitation of interneurons. <i>Nature Neuroscience</i> , 2010, 13, 205-212.	14.8	191
8	Distinct Roles of GABAA and GABAB Receptors in Balancing and Terminating Persistent Cortical Activity. <i>Journal of Neuroscience</i> , 2009, 29, 7513-7518.	3.6	188
9	Synaptic Currents in Anatomically Identified CA3 Neurons during Hippocampal Gamma Oscillations In Vitro. <i>Journal of Neuroscience</i> , 2006, 26, 9923-9934.	3.6	129
10	Hippocampal gamma-frequency oscillations: from interneurons to pyramidal cells, and back. <i>Journal of Physiology</i> , 2005, 562, 55-63.	2.9	126
11	Priming of Hippocampal Population Bursts by Individual Perisomatic-Targeting Interneurons. <i>Journal of Neuroscience</i> , 2010, 30, 5979-5991.	3.6	119
12	Parvalbumin and Somatostatin Interneurons Contribute to the Generation of Hippocampal Gamma Oscillations. <i>Journal of Neuroscience</i> , 2020, 40, 7668-7687.	3.6	80
13	A brain-wide functional map of the serotonergic responses to acute stress and fluoxetine. <i>Nature Communications</i> , 2019, 10, 350.	12.8	78
14	Novel modulatory mechanisms revealed by the sustained application of nicotine in the guinea pig hippocampus in vitro. <i>Journal of Physiology</i> , 2003, 551, 539-550.	2.9	75
15	Mechanisms underlying gamma (~40 Hz) network oscillations in the hippocampus—a mini-review. <i>Progress in Biophysics and Molecular Biology</i> , 2005, 87, 67-76.	2.9	60
16	The multifaceted role of inhibition in epilepsy: seizure-genesis through excessive GABAergic inhibition in autosomal dominant nocturnal frontal lobe epilepsy. <i>Current Opinion in Neurology</i> , 2008, 21, 155-160.	3.6	58
17	Plasticity in striatal dopamine release is governed by release-independent depression and the dopamine transporter. <i>Nature Communications</i> , 2019, 10, 4263.	12.8	55
18	A novel peptide modulates alpha7 nicotinic receptor responses: implications for a possible trophic-toxic mechanism within the brain. <i>Journal of Neurochemistry</i> , 2004, 90, 325-331.	3.9	54

#	ARTICLE	IF	CITATIONS
19	Ipsilateral shoulder pain after thoracotomy surgery. <i>European Journal of Anaesthesiology</i> , 2007, 24, 596-601.	1.7	46
20	Flexible spike timing of layer 5 neurons during dynamic beta oscillation shifts in rat prefrontal cortex. <i>Journal of Physiology</i> , 2009, 587, 5177-5196.	2.9	39
21	Cortical Up states induce the selective weakening of subthreshold synaptic inputs. <i>Nature Communications</i> , 2017, 8, 665.	12.8	34
22	Pathogenic potential of antibodies to the GABA_B receptor. <i>Epilepsia Open</i> , 2017, 2, 355-359.	2.4	30
23	Silencing cortical activity during sound-localization training impairs auditory perceptual learning. <i>Nature Communications</i> , 2019, 10, 3075.	12.8	26
24	The information content of physiological and epileptic brain activity. <i>Journal of Physiology</i> , 2013, 591, 799-805.	2.9	20
25	The hypothalamic link between arousal and sleep homeostasis in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	19
26	Cholinergic modulation of the spatiotemporal pattern of hippocampal activity in vitro. <i>Neuropharmacology</i> , 2005, 48, 118-133.	4.1	17
27	Contrast gain control occurs independently of both parvalbumin-positive interneuron activity and shunting inhibition in auditory cortex. <i>Journal of Neurophysiology</i> , 2020, 123, 1536-1551.	1.8	17
28	Local Field Potential Oscillations as a Cortical Soliloquy. <i>Neuron</i> , 2010, 67, 3-5.	8.1	13
29	Optical Interrogation of Sympathetic Neuronal Effects on Macroscopic Cardiomyocyte Network Dynamics. <i>iScience</i> , 2020, 23, 101334.	4.1	13
30	Miro1-dependent mitochondrial dynamics in parvalbumin interneurons. <i>ELife</i> , 2021, 10, .	6.0	13
31	Keeping Inhibition Timely. <i>Neuron</i> , 2006, 49, 8-9.	8.1	9
32	Postnatal prebiotic supplementation in rats affects adult anxious behaviour, hippocampus, electrophysiology, metabolomics, and gut microbiota. <i>iScience</i> , 2021, 24, 103113.	4.1	7
33	Neuronal spiking-based closed-loop stimulation during cortical ON and OFF states in freely moving mice. <i>Journal of Sleep Research</i> , 2022, 31, .	3.2	6
34	Exploring Fast Hippocampal Network Oscillations: Combining Multi-Electrode Recordings with Optical Imaging and Patch-Clamp Techniques. , 2006, , 454-469.		2
35	Cellular mechanisms underlying network synchrony in the medial temporal lobe. , 0, , 21-48.		0
36	Toward multi-focal spot remote focusing two-photon microscopy for high speed imaging. , 2017, , .		0