

Edward O Mann

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

3,918
citations

304701
22
h-index

395678
33
g-index

43
all docs

43
docs citations

43
times ranked

5011
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuronalâ€spikingâ€based closedâ€loop stimulation during cortical <scp>ON</scp>â€and <scp>OFF</scp>â€states in freely moving mice. Journal of Sleep Research, 2022, 31, .	3.2	6
2	Miro1-dependent mitochondrial dynamics in parvalbumin interneurons. ELife, 2021, 10, .	6.0	13
3	Postnatal prebiotic supplementation in rats affects adult anxious behaviour, hippocampus, electrophysiology, metabolomics, and gut microbiota. IScience, 2021, 24, 103113.	4.1	7
4	The hypothalamic link between arousal and sleep homeostasis in mice. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	19
5	Optical Interrogation of Sympathetic Neuronal Effects on Macroscopic Cardiomyocyte Network Dynamics. IScience, 2020, 23, 101334.	4.1	13
6	Parvalbumin and Somatostatin Interneurons Contribute to the Generation of Hippocampal Gamma Oscillations. Journal of Neuroscience, 2020, 40, 7668-7687.	3.6	80
7	Contrast gain control occurs independently of both parvalbumin-positive interneuron activity and shunting inhibition in auditory cortex. Journal of Neurophysiology, 2020, 123, 1536-1551.	1.8	17
8	Silencing cortical activity during sound-localization training impairs auditory perceptual learning. Nature Communications, 2019, 10, 3075.	12.8	26
9	Plasticity in striatal dopamine release is governed by release-independent depression and the dopamine transporter. Nature Communications, 2019, 10, 4263.	12.8	55
10	A brain-wide functional map of the serotonergic responses to acute stress and fluoxetine. Nature Communications, 2019, 10, 350.	12.8	78
11	Toward multi-focal spot remote focusing two-photon microscopy for high speed imaging. , 2017, , .		0
12	Cortical Up states induce the selective weakening of subthreshold synaptic inputs. Nature Communications, 2017, 8, 665.	12.8	34
13	Pathogenic potential of antibodies to the <scp>GABA_B</scp> receptor. Epilepsia Open, 2017, 2, 355-359.	2.4	30
14	The information content of physiological and epileptic brain activity. Journal of Physiology, 2013, 591, 799-805.	2.9	20
15	Inhibitory Interneuron Deficit Links Altered Network Activity and Cognitive Dysfunction in Alzheimer Model. Cell, 2012, 149, 708-721.	28.9	934
16	Control of hippocampal gamma oscillation frequency by tonic inhibition and excitation of interneurons. Nature Neuroscience, 2010, 13, 205-212.	14.8	191
17	Priming of Hippocampal Population Bursts by Individual Perisomatic-Targeting Interneurons. Journal of Neuroscience, 2010, 30, 5979-5991.	3.6	119
18	Local Field Potential Oscillations as a Cortical Soliloquy. Neuron, 2010, 67, 3-5.	8.1	13

#	ARTICLE	IF	CITATIONS
19	Distinct Roles of GABAA and GABAB Receptors in Balancing and Terminating Persistent Cortical Activity. Journal of Neuroscience, 2009, 29, 7513-7518.	3.6	188
20	Flexible spike timing of layer 5 neurons during dynamic beta oscillation shifts in rat prefrontal cortex. Journal of Physiology, 2009, 587, 5177-5196.	2.9	39
21	Maintaining network activity in submerged hippocampal slices: importance of oxygen supply. European Journal of Neuroscience, 2009, 29, 319-327.	2.6	210
22	Which GABA _A Receptor Subunits Are Necessary for Tonic Inhibition in the Hippocampus?. Journal of Neuroscience, 2008, 28, 1421-1426.	3.6	325
23	The multifaceted role of inhibition in epilepsy: seizure-genesis through excessive GABAergic inhibition in autosomal dominant nocturnal frontal lobe epilepsy. Current Opinion in Neurology, 2008, 21, 155-160.	3.6	58
24	Ipsilateral shoulder pain after thoracotomy surgery. European Journal of Anaesthesiology, 2007, 24, 596-601.	1.7	46
25	Role of GABAergic inhibition in hippocampal network oscillations. Trends in Neurosciences, 2007, 30, 343-349.	8.6	337
26	Exploring Fast Hippocampal Network Oscillations: Combining Multi-Electrode Recordings with Optical Imaging and Patch-Clamp Techniques. , 2006, , 454-469.		2
27	Keeping Inhibition Timely. Neuron, 2006, 49, 8-9.	8.1	9
28	Synaptic Currents in Anatomically Identified CA3 Neurons during Hippocampal Gamma Oscillations In Vitro. Journal of Neuroscience, 2006, 26, 9923-9934.	3.6	129
29	Hippocampal gamma-frequency oscillations: from interneurons to pyramidal cells, and back. Journal of Physiology, 2005, 562, 55-63.	2.9	126
30	Mechanisms underlying gamma (~40 Hz™) network oscillations in the hippocampus—a mini-review. Progress in Biophysics and Molecular Biology, 2005, 87, 67-76.	2.9	60
31	Perisomatic Feedback Inhibition Underlies Cholinergically Induced Fast Network Oscillations in the Rat Hippocampus In Vitro. Neuron, 2005, 45, 105-117.	8.1	293
32	Cholinergic modulation of the spatiotemporal pattern of hippocampal activity in vitro. Neuropharmacology, 2005, 48, 118-133.	4.1	17
33	Spike Timing of Distinct Types of GABAergic Interneuron during Hippocampal Gamma Oscillations In Vitro. Journal of Neuroscience, 2004, 24, 9127-9137.	3.6	288
34	A novel peptide modulates alpha7 nicotinic receptor responses: implications for a possible trophic-toxic mechanism within the brain. Journal of Neurochemistry, 2004, 90, 325-331.	3.9	54
35	Novel modulatory mechanisms revealed by the sustained application of nicotine in the guinea pig hippocampus in vitro. Journal of Physiology, 2003, 551, 539-550.	2.9	75
36	Cellular mechanisms underlying network synchrony in the medial temporal lobe. , 0, , 21-48.		0