

Edward Cooper

List of Publications by Year in descending order

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31
papers

4,051
citations

331670

21
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

3966
citing authors

#	ARTICLE	IF	CITATIONS
1	doublecortin, a Brain-Specific Gene Mutated in Human X-Linked Lissencephaly and Double Cortex Syndrome, Encodes a Putative Signaling Protein. <i>Cell</i> , 1998, 92, 63-72.	28.9	1,007
2	A Common Ankyrin-G-Based Mechanism Retains KCNQ and NaV Channels at Electrically Active Domains of the Axon. <i>Journal of Neuroscience</i> , 2006, 26, 2599-2613.	3.6	514
3	KCNQ2 Is a Nodal K ⁺ Channel. <i>Journal of Neuroscience</i> , 2004, 24, 1236-1244.	3.6	415
4	M Channel KCNQ2 Subunits Are Localized to Key Sites for Control of Neuronal Network Oscillations and Synchronization in Mouse Brain. <i>Journal of Neuroscience</i> , 2001, 21, 9529-9540.	3.6	267
5	Localization of Postsynaptic Density-93 to Dendritic Microtubules and Interaction with Microtubule-Associated Protein 1A. <i>Journal of Neuroscience</i> , 1998, 18, 8805-8813.	3.6	188
6	Colocalization and coassembly of two human brain M-type potassium channel subunits that are mutated in epilepsy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 4914-4919.	7.1	184
7	Ion channel genes and human neurological disease: Recent progress, prospects, and challenges. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 4759-4766.	7.1	162
8	Heteromeric K _v 7.2/7.3 Channels Differentially Regulate Action Potential Initiation and Conduction in Neocortical Myelinated Axons. <i>Journal of Neuroscience</i> , 2014, 34, 3719-3732.	3.6	152
9	Presynaptic Localization of Kv1.4-Containing A-Type Potassium Channels Near Excitatory Synapses in the Hippocampus. <i>Journal of Neuroscience</i> , 1998, 18, 965-974.	3.6	129
10	Ion Channel Clustering at the Axon Initial Segment and Node of Ranvier Evolved Sequentially in Early Chordates. <i>PLoS Genetics</i> , 2008, 4, e1000317.	3.5	122
11	M-Channels. <i>Archives of Neurology</i> , 2003, 60, 496.	4.5	120
12	Hippocampal Heterotopia Lack Functional Kv4.2 Potassium Channels in the Methylazoxymethanol Model of Cortical Malformations and Epilepsy. <i>Journal of Neuroscience</i> , 2001, 21, 6626-6634.	3.6	112
13	A hierarchy of ankyrin-spectrin complexes clusters sodium channels at nodes of Ranvier. <i>Nature Neuroscience</i> , 2014, 17, 1664-1672.	14.8	94
14	Glial ankyrins facilitate paranodal axoglial junction assembly. <i>Nature Neuroscience</i> , 2014, 17, 1673-1681.	14.8	82
15	Infantile spasms and encephalopathy without preceding neonatal seizures caused by <i>KCNQ2</i> R198Q, a gain-of-function variant. <i>Epilepsia</i> , 2017, 58, e10-e15.	5.1	81
16	Ethanol and the γ -Aminobutyric Acid-Benzodiazepine Receptor Complex. <i>Journal of Neurochemistry</i> , 1984, 42, 1062-1068.	3.9	78
17	Made for α -anchorin-1 Kv7.2/7.3 (KCNQ2/KCNQ3) channels and the modulation of neuronal excitability in vertebrate axons. <i>Seminars in Cell and Developmental Biology</i> , 2011, 22, 185-192.	5.0	61
18	An Ankyrin-G N-terminal Gate and Protein Kinase CK2 Dually Regulate Binding of Voltage-gated Sodium and KCNQ2/3 Potassium Channels. <i>Journal of Biological Chemistry</i> , 2015, 290, 16619-16632.	3.4	53

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19	Ankyrin-G isoform imbalance and interneuronopathy link epilepsy and bipolar disorder. <i>Molecular Psychiatry</i> , 2017, 22, 1464-1472.	7.9	52
20	Channel-anchored Protein Kinase CK2 and Protein Phosphatase 1 Reciprocally Regulate KCNQ2-containing M-channels via Phosphorylation of Calmodulin. <i>Journal of Biological Chemistry</i> , 2014, 289, 11536-11544.	3.4	37
21	Calcium channel α -agonist™ BAY K 8644 inhibits calcium antagonist binding to brain and PC12 cell membranes. <i>Brain Research</i> , 1984, 305, 365-368.	2.2	31
22	Expression and Localization of K^{+} Channels KCNQ2 and KCNQ3 in the Mammalian Cochlea. <i>Audiology and Neuro-Otology</i> , 2009, 14, 98-105.	1.3	26
23	Purified, modified eel sodium channels are active in planar bilayers in the absence of activating neurotoxins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 9592-9596.	7.1	20
24	Reconstituted voltage-sensitive sodium channel from <i>Electrophorus electricus</i> : chemical modifications that alter regulation of ion permeability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987, 84, 6282-6286.	7.1	14
25	Ion Channel Expression in the Developing Enteric Nervous System. <i>PLoS ONE</i> , 2015, 10, e0123436.	2.5	14
26	Effect of Ethanol on [3H]Nitrendipine Binding to Calcium Channels in Brain Membranes. <i>Alcoholism: Clinical and Experimental Research</i> , 1984, 8, 568-571.	2.4	13
27	Axonal Kv7.2/7.3 channels. <i>Channels</i> , 2014, 8, 288-289.	2.8	9
28	Calcium entry activators: Distinct sites of dihydropyridine and aminopyridine action. <i>Neuroscience Letters</i> , 1984, 50, 279-282.	2.1	4
29	Potassium channels (including KCNQ) and epilepsy. <i>Epilepsia</i> , 2010, 51, 10-10.	5.1	4
30	Reversible Dihydropyridine Isothiocyanate Binding to Brain Calcium Channels. <i>Journal of Neurochemistry</i> , 1985, 44, 319-321.	3.9	3
31	Reconstituted voltage-sensitive sodium channels from eel electroplax: Activation of permeability by quaternary lidocaine, N-bromoacetamide, and N-bromosuccinimide. <i>Journal of Membrane Biology</i> , 1989, 111, 253-264.	2.1	3