

Edward Cooper

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Ankyrin-G isoform imbalance and interneuronopathy link epilepsy and bipolar disorder. <i>Molecular Psychiatry</i> , 2017, 22, 1464-1472. | 7.9 | 52 |
| 2 | 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 |
| 3 | An Ankyrin-G N-terminal Gate and Protein Kinase CK2 Dually Regulate Binding of Voltage-gated Sodium and <i>KCNQ2/3</i> Potassium Channels. <i>Journal of Biological Chemistry</i> , 2015, 290, 16619-16632. | 3.4 | 53 |
| 4 | Ion Channel Expression in the Developing Enteric Nervous System. <i>PLoS ONE</i> , 2015, 10, e0123436. | 2.5 | 14 |
| 5 | Channel-anchored Protein Kinase CK2 and Protein Phosphatase 1 Reciprocally Regulate <i>KCNQ2</i> -containing M-channels via Phosphorylation of Calmodulin. <i>Journal of Biological Chemistry</i> , 2014, 289, 11536-11544. | 3.4 | 37 |
| 6 | Heteromeric <i>Kv7.2/7.3</i> Channels Differentially Regulate Action Potential Initiation and Conduction in Neocortical Myelinated Axons. <i>Journal of Neuroscience</i> , 2014, 34, 3719-3732. | 3.6 | 152 |
| 7 | Axonal <i>Kv7.2/7.3</i> channels. <i>Channels</i> , 2014, 8, 288-289. | 2.8 | 9 |
| 8 | A hierarchy of ankyrin-spectrin complexes clusters sodium channels at nodes of Ranvier. <i>Nature Neuroscience</i> , 2014, 17, 1664-1672. | 14.8 | 94 |
| 9 | Glial ankyrins facilitate paranodal axoglial junction assembly. <i>Nature Neuroscience</i> , 2014, 17, 1673-1681. | 14.8 | 82 |
| 10 | Made for "anchorin": <i>Kv7.2/7.3</i> (<i>KCNQ2/KCNQ3</i>) 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 |
| 11 | Potassium channels (including <i>KCNQ</i>) and epilepsy. <i>Epilepsia</i> , 2010, 51, 10-10. | 5.1 | 4 |
| 12 | Expression and Localization of <i>K⁺</i> Channels <i>KCNQ2</i> and <i>KCNQ3</i> in the Mammalian Cochlea. <i>Audiology and Neuro-Otology</i> , 2009, 14, 98-105. | 1.3 | 26 |
| 13 | 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 |
| 14 | A Common Ankyrin-G-Based Mechanism Retains <i>KCNQ</i> and <i>NaV</i> Channels at Electrically Active Domains of the Axon. <i>Journal of Neuroscience</i> , 2006, 26, 2599-2613. | 3.6 | 514 |
| 15 | <i>KCNQ2</i> Is a Nodal <i>K⁺</i> Channel. <i>Journal of Neuroscience</i> , 2004, 24, 1236-1244. | 3.6 | 415 |
| 16 | M-Channels. <i>Archives of Neurology</i> , 2003, 60, 496. | 4.5 | 120 |
| 17 | Hippocampal Heterotopia Lack Functional <i>Kv4.2</i> Potassium Channels in the Methylazoxymethanol Model of Cortical Malformations and Epilepsy. <i>Journal of Neuroscience</i> , 2001, 21, 6626-6634. | 3.6 | 112 |
| 18 | M Channel <i>KCNQ2</i> 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 |

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|----|--|------|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | Reversible Dihydropyridine Isothiocyanate Binding to Brain Calcium Channels. <i>Journal of Neurochemistry</i> , 1985, 44, 319-321. | 3.9 | 3 |
| 28 | Ethanol and the γ -Aminobutyric Acid-Benzodiazepine Receptor Complex. <i>Journal of Neurochemistry</i> , 1984, 42, 1062-1068. | 3.9 | 78 |
| 29 | Calcium channel α_1 -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 |
| 30 | Calcium entry activators: Distinct sites of dihydropyridine and aminopyridine action. <i>Neuroscience Letters</i> , 1984, 50, 279-282. | 2.1 | 4 |
| 31 | 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 |