Brett A Cromer

List of Publications by Year
in descending order

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43 papers	2,038 citations	201385 27 h-index	253896 43 g-index
43 all docs	43 docs citations	43 times ranked	2924 citing authors

#	Article	IF	Citations
1	Anxiety over GABAA receptor structure relieved by AChBP. Trends in Biochemical Sciences, 2002, 27, 280-287.	3.7	169
2	P2X7 Receptor Cell Surface Expression and Cytolytic Pore Formation Are Regulated by a Distal C-terminal Region. Journal of Biological Chemistry, 2003, 278, 8853-8860.	1.6	153
3	Cytoplasmic ATP-sensing Domains Regulate Gating of Skeletal Muscle ClC-1 Chloride Channels. Journal of Biological Chemistry, 2005, 280, 32452-32458.	1.6	106
4	Altered kinetics and benzodiazepine sensitivity of a GABAA receptor subunit mutation [Â2(R43Q)] found in human epilepsy. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15170-15175.	3.3	104
5	Augmented currents of an HCN2 variant in patients with febrile seizure syndromes. Annals of Neurology, 2010, 67, 542-546.	2.8	96
6	From glutathione transferase to pore in a CLIC. European Biophysics Journal, 2002, 31, 356-364.	1.2	85
7	Axon initial segment dysfunction in a mouse model of genetic epilepsy with febrile seizures plus. Journal of Clinical Investigation, 2010, 120, 2661-2671.	3.9	77
8	Elucidation of the Substrate Binding Site of Siah Ubiquitin Ligase. Structure, 2006, 14, 695-701.	1.6	69
9	Design of ultra-swollen lipidic mesophases for the crystallization of membrane proteins with large extracellular domains. Nature Communications, 2018, 9, 544.	5.8	69
10	An Updated Unified Pharmacophore Model of the Benzodiazepine Binding Site on γ-Aminobutyric Acida Receptors: Correlation with Comparative Models. Current Medicinal Chemistry, 2007, 14, 2755-2775.	1.2	68
11	Conductance of Recombinant GABA Channels Is Increased in Cells Co-expressing GABAA A Receptor-associated Protein. Journal of Biological Chemistry, 2004, 279, 21701-21706.	1.6	64
12	Structure of the Janus Protein Human CLIC2. Journal of Molecular Biology, 2007, 374, 719-731.	2.0	64
13	Inhibition of Skeletal Muscle ClC-1 Chloride Channels by Low Intracellular pH and ATP. Journal of Biological Chemistry, 2007, 282, 32780-32791.	1.6	63
14	String method solution of the gating pathways for a pentameric ligand-gated ion channel. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4158-E4167.	3.3	60
15	A proposed structural basis for picrotoxinin and picrotin binding in the glycine receptor pore. Journal of Neurochemistry, 2007, 103, 580-589.	2.1	59
16	Homology Model of the GABAA Receptor Examined Using Brownian Dynamics. Biophysical Journal, 2005, 88, 3286-3299.	0.2	58
17	Mesenchymal Stem Cell-Derived Extracellular Vesicles and Their Therapeutic Potential. Stem Cells International, 2020, 2020, 1-10.	1.2	56
18	A Loss-of-Function Polymorphism in the Human P2X4 Receptor Is Associated With Increased Pulse Pressure. Hypertension, 2011, 58, 1086-1092.	1.3	52

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19	Molecular Determinants of Ivermectin Sensitivity at the Glycine Receptor Chloride Channel. Journal of Biological Chemistry, 2011, 286, 43913-43924.	1.6	50
20	Insights into the Structural Basis for Zinc Inhibition of the Glycine Receptor. Journal of Biological Chemistry, 2003, 278, 28985-28992.	1.6	49
21	Painful toxins acting at TRPV1. Toxicon, 2008, 51, 163-173.	0.8	47
22	Isolation of a Human Homolog of Osteoclast Inhibitory Lectin That Inhibits the Formation and Function of Osteoclasts. Journal of Bone and Mineral Research, 2003, 19, 89-99.	3.1	41
23	Molecular determinants of ginkgolide binding in the glycine receptor pore. Journal of Neurochemistry, 2006, 98, 395-407.	2.1	37
24	Penicillin blocks human Î±1Î²1 and Î±1Î²1Î³2S GABAA channels that open spontaneously. European Journal of Pharmacology, 2004, 496, 23-32.	1.7	36
25	Tropisetron modulation of the glycine receptor: femtomolar potentiation and a molecular determinant of inhibition. Journal of Neurochemistry, 2007, 100, 758-769.	2.1	34
26	Design, synthesis, and subtype selectivity of 3,6-disubstituted Î²-carbolines at Bz/GABA(A)ergic receptors. SAR and studies directed toward agents for treatment of alcohol abuse. Bioorganic and Medicinal Chemistry, 2010, 18, 7548-7564.	1.4	30
27	Regulation of Insulin-Regulated Membrane Aminopeptidase Activity by Its C-Terminal Domain. Biochemistry, 2011, 50, 2611-2622.	1.2	30
28	Ginsenosides Act As Positive Modulators of P2X4 Receptors. Molecular Pharmacology, 2019, 95, 210-221.	1.0	23
29	Molecular basis for convergent evolution of glutamate recognition by pentameric ligand-gated ion channels. Scientific Reports, 2015, 5, 8558.	1.6	22
30	Comparative pharmacology of flatworm and roundworm glutamate-gated chloride channels: Implications for potential anthelmintics. International Journal for Parasitology: Drugs and Drug Resistance, 2014, 4, 244-255.	1.4	20
31	Abundance of ClC-1 chloride channel in human skeletal muscle: fiber type specific differences and effect of training. Journal of Applied Physiology, 2018, 125, 470-478.	1.2	20
32	Amiloride Is a Competitive Inhibitor of Coxsackievirus B3 RNA Polymerase. Journal of Virology, 2011, 85, 10364-10374.	1.5	19
33	Mapping a novel positive allosteric modulator binding site in the central vestibule region of human P2X7. Scientific Reports, 2019, 9, 3231.	1.6	19
34	Differentiation Potential of Early- and Late-Passage Adipose-Derived Mesenchymal Stem Cells Cultured under Hypoxia and Normoxia. Stem Cells International, 2020, 2020, 1-11.	1.2	13
35	Dihydropyridine inhibition of the glycine receptor: Subunit selectivity and a molecular determinant of inhibition. Neuropharmacology, 2009, 56, 318-327.	2.0	12
36	Alanine scanning mutagenesis of a high-affinity nitrate transporter highlights the requirement for glycine and asparagine residues in the two nitrate signature motifs. Biochemical Journal, 2012, 447, 35-42.	1.7	12

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37	A Role for the 2â€² Residue in the Second Transmembrane Helix of the GABAA Receptor Î³2S Subunit in Channel Conductance and Gating. Journal of Membrane Biology, 2005, 205, 17-28.	1.0	10
38	Molecular determinants of Î²â€carboline inhibition of the glycine receptor. Journal of Neurochemistry, 2009, 110, 1685-1694.	2.1	10
39	Expression, purification, crystallization and preliminary X-ray diffraction analysis of chloride intracellular channel 2 (CLIC2). Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 961-963.	0.7	8
40	Role of the ï‡ GABA_C Receptor N-Terminus in Assembly, Trafficking and Function. ACS Chemical Neuroscience, 2014, 5, 1266-1277.	1.7	8
41	Assembly, trafficking and function of Î±1Î²2Î³2 <scp>GABA_A</scp> receptors are regulated by Nâ€terminal regions, in a subunitâ€specific manner. Journal of Neurochemistry, 2015, 134, 819-832.	2.1	8
42	Comparative analysis of extracellular vesicles isolated from human mesenchymal stem cells by different isolation methods and visualisation of their uptake. Experimental Cell Research, 2022, 414, 113097.	1.2	6
43	Forward Programming of Pluripotent Stem Cells to Neurons. Current Molecular Medicine, 2021, 21, 5-14.	0.6	2