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	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
2	Forward Programming of Pluripotent Stem Cells to Neurons. Current Molecular Medicine, 2021, 21, 5-14.	0.6	2
3	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
4	Mesenchymal Stem Cell-Derived Extracellular Vesicles and Their Therapeutic Potential. Stem Cells International, 2020, 2020, 1-10.	1.2	56
5	Mapping a novel positive allosteric modulator binding site in the central vestibule region of human P2X7. Scientific Reports, 2019, 9, 3231.	1.6	19
6	Ginsenosides Act As Positive Modulators of P2X4 Receptors. Molecular Pharmacology, 2019, 95, 210-221.	1.0	23
7	Design of ultra-swollen lipidic mesophases for the crystallization of membrane proteins with large extracellular domains. Nature Communications, 2018, 9, 544.	5.8	69
8	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
9	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
10	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
11	Molecular basis for convergent evolution of glutamate recognition by pentameric ligand-gated ion channels. Scientific Reports, 2015, 5, 8558.	1.6	22
12	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
13	Role of the Ï‌ GABA_C Receptor N-Terminus in Assembly, Trafficking and Function. ACS Chemical Neuroscience, 2014, 5, 1266-1277.	1.7	8
14	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
15	Regulation of Insulin-Regulated Membrane Aminopeptidase Activity by Its C-Terminal Domain. Biochemistry, 2011, 50, 2611-2622.	1.2	30
16	Amiloride Is a Competitive Inhibitor of Coxsackievirus B3 RNA Polymerase. Journal of Virology, 2011, 85, 10364-10374.	1.5	19
17	Molecular Determinants of Ivermectin Sensitivity at the Glycine Receptor Chloride Channel. Journal of Biological Chemistry, 2011, 286, 43913-43924.	1.6	50
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	Augmented currents of an HCN2 variant in patients with febrile seizure syndromes. Annals of Neurology, 2010, 67, 542-546.	2.8	96
20	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
21	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
22	Molecular determinants of Î²â€carboline inhibition of the glycine receptor. Journal of Neurochemistry, 2009, 110, 1685-1694.	2.1	10
23	Dihydropyridine inhibition of the glycine receptor: Subunit selectivity and a molecular determinant of inhibition. Neuropharmacology, 2009, 56, 318-327.	2.0	12
24	Painful toxins acting at TRPV1. Toxicon, 2008, 51, 163-173.	0.8	47
25	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
26	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
27	Structure of the Janus Protein Human CLIC2. Journal of Molecular Biology, 2007, 374, 719-731.	2.0	64
28	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
29	Tropisetron modulation of the glycine receptor: femtomolar potentiation and a molecular determinant of inhibition. Journal of Neurochemistry, 2007, 100, 758-769.	2.1	34
30	A proposed structural basis for picrotoxinin and picrotin binding in the glycine receptor pore. Journal of Neurochemistry, 2007, 103, 580-589.	2.1	59
31	Molecular determinants of ginkgolide binding in the glycine receptor pore. Journal of Neurochemistry, 2006, 98, 395-407.	2.1	37
32	Elucidation of the Substrate Binding Site of Siah Ubiquitin Ligase. Structure, 2006, 14, 695-701.	1.6	69
33	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
34	Cytoplasmic ATP-sensing Domains Regulate Gating of Skeletal Muscle ClC-1 Chloride Channels. Journal of Biological Chemistry, 2005, 280, 32452-32458.	1.6	106
35	Homology Model of the GABAA Receptor Examined Using Brownian Dynamics. Biophysical Journal, 2005, 88, 3286-3299.	0.2	58
36	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

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37	Penicillin blocks human Î±1Î²1 and Î±1Î²1Î³2S GABAA channels that open spontaneously. European Journal of Pharmacology, 2004, 496, 23-32.	1.7	36
38	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
39	Insights into the Structural Basis for Zinc Inhibition of the Glycine Receptor. Journal of Biological Chemistry, 2003, 278, 28985-28992.	1.6	49
40	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
41	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
42	Anxiety over GABAA receptor structure relieved by AChBP. Trends in Biochemical Sciences, 2002, 27, 280-287.	3.7	169
43	From glutathione transferase to pore in a CLIC. European Biophysics Journal, 2002, 31, 356-364.	1.2	85