Jeffrey R Mcarthur

List of Publications by Year
in descending order

31	789	567144 15	526166 27
papers	citations	h-index	g-index

35	35	35	838
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure/Function Characterization of Î¼-Conotoxin KIIIA, an Analgesic, Nearly Irreversible Blocker of Mammalian Neuronal Sodium Channels. Journal of Biological Chemistry, 2007, 282, 30699-30706.	1.6	132
2	Marine Toxins That Target Voltage-gated Sodium Channels. Marine Drugs, 2006, 4, 157-192.	2.2	67
3	Dicarba Î±-Conotoxin Vc1.1 Analogues with Differential Selectivity for Nicotinic Acetylcholine and GABA_B Receptors. ACS Chemical Biology, 2013, 8, 1815-1821.	1.6	64
4	Conotoxins Targeting Neuronal Voltage-Gated Sodium Channel Subtypes: Potential Analgesics?. Toxins, 2012, 4, 1236-1260.	1.5	52
5	Interactions of Key Charged Residues Contributing to Selective Block of Neuronal Sodium Channels by Î¼-Conotoxin KIIIA. Molecular Pharmacology, 2011, 80, 573-584.	1.0	49
6	Unexpected synergism between Tetrodotoxin and Î¼-conotoxin in blocking voltage-gated sodium channels. Channels, 2009, 3, 32-38.	1.5	47
7	Differential Cav2.1 and Cav2.3 channel inhibition by baclofen and Î±-conotoxin Vc1.1 via GABAB receptor activation. Journal of General Physiology, 2014, 143, 465-479.	0.9	41
8	Modulation of KvAP Unitary Conductance and Gating by 1-Alkanols and Other Surface Active Agents. Biophysical Journal, 2010, 98, 762-772.	0.2	37
9	Marine Toxins Targeting Kv1 Channels: Pharmacological Tools and Therapeutic Scaffolds. Marine Drugs, 2020, 18, 173.	2.2	32
10	Analgesic conopeptides targeting G protein-coupled receptors reduce excitability of sensory neurons. Neuropharmacology, 2017, 127, 116-123.	2.0	30
11	Multiple, Distributed Interactions of Î¼-Conotoxin PIIIA Associated with Broad Targeting among Voltage-Gated Sodium Channels. Biochemistry, 2011, 50, 116-124.	1.2	27
12	Orientation of Î¼-Conotoxin PIIIA in a Sodium Channel Vestibule, Based on Voltage Dependence of Its Binding. Molecular Pharmacology, 2011, 80, 219-227.	1.0	23
13	Novel analgesic Ï‰-conotoxins from the vermivorous cone snail Conus moncuri provide new insights into the evolution of conopeptides. Scientific Reports, 2018, 8, 13397.	1.6	22
14	Ï‰-Conotoxin GVIA Mimetics that Bind and Inhibit Neuronal Cav2.2 Ion Channels. Marine Drugs, 2012, 10, 2349-2368.	2.2	20
15	Batrachotoxin acts as a stent to hold open homotetrameric prokaryotic voltage-gated sodium channels. Journal of General Physiology, 2019, 151, 186-199.	0.9	20
16	Small-molecule mimicry hunting strategy in the imperial cone snail, Conus imperialis. Science Advances, 2021, 7, .	4.7	18
17	Analgesic transient receptor potential vanilloidâ€1â€active compounds inhibit native and recombinant Tâ€type calcium channels. British Journal of Pharmacology, 2019, 176, 2264-2278.	2.7	17
18	Molecular and Functional Characterization of Neurogenin-2 Induced Human Sensory Neurons. Frontiers in Cellular Neuroscience, 2020, 14, 600895.	1.8	16

#	Article	IF	Citations
19	Inhibition of human Nâ€•and Tâ€•type calcium channels by an orthoâ€phenoxyanilide derivative, MONIROâ€1. British Journal of Pharmacology, 2018, 175, 2284-2295.	2.7	13
20	Extremely Potent Block of Bacterial Voltage-Gated Sodium Channels by Âμ-Conotoxin PIIIA. Marine Drugs, 2019, 17, 510.	2.2	12
21	Structural basis of the potency and selectivity of Urotoxin, a potent Kv1 blocker from scorpion venom. Biochemical Pharmacology, 2020, 174, 113782.	2.0	12
22	Multitarget nociceptor sensitization by a promiscuous peptide from the venom of the King Baboon spider. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	7
23	Analgesic Î±â€conotoxins modulate native and recombinant GIRK1/2 channels via activation of GABA_B receptors and reduce neuroexcitability. British Journal of Pharmacology, 2022, 179, 179-198.	2.7	6
24	NMR Structure of Î¼-Conotoxin GIIIC: Leucine 18 Induces Local Repacking of the N-Terminus Resulting in Reduced NaV Channel Potency. Molecules, 2018, 23, 2715.	1.7	5
25	Spider Venom Peptide Pn3a Inhibition of Primary Afferent High Voltage-Activated Calcium Channels. Frontiers in Pharmacology, 2020, 11, 633679.	1.6	5
26	Ketamine inhibits synaptic transmission and nicotinic acetylcholine receptor-mediated responses in rat intracardiac ganglia in situ. Neuropharmacology, 2020, 165, 107932.	2.0	4
27	In Vivo Survival and Differentiation of Friedreich Ataxia iPSC-Derived Sensory Neurons Transplanted in the Adult Dorsal Root Ganglia. Stem Cells Translational Medicine, 2021, 10, 1157-1169.	1.6	4
28	Trans-Channel Interactions in Batrachotoxin-Modified Skeletal Muscle Sodium Channels: Voltage-Dependent Block by Cytoplasmic Amines, and the Influence of Î¼-Conotoxin GIIIA Derivatives and Permeant Ions. Biophysical Journal, 2008, 95, 4277-4288.	0.2	3
29	Differential CaV2.1 and CaV2.3 Channel Inhibition by Baclofen and Î±-Conotoxin Vc1.1 via GABAB Receptor Activation. Biophysical Journal, 2014, 106, 330a.	0.2	1
30	Modulation of Native and Recombinant GIRK1/2 Channels by Analgesic Î±-conotoxins. Biophysical Journal, 2020, 118, 115a.	0.2	1
31	Functional Modification of Bacterial Voltage-Gated Sodium Channels by Batrachotoxin. Biophysical Journal, 2016, 110, 109a.	0.2	0