McHardy M. Smith

List of Publications by Citations

41 papers	2,199 citations	25 h-index	42 g-index
42 ext. papers	2,365 ext. citations	3.8 avg, IF	3.64 L-index

#	Paper	IF	Citations
41	The genetics of ivermectin resistance in Caenorhabditis elegans. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 2674-9	11.5	311
40	Two tarantula peptides inhibit activation of multiple sodium channels. *Biochemistry*, **2002**, 41, 14734-47	3.2	204
39	Drug-resistant Drosophila indicate glutamate-gated chloride channels are targets for the antiparasitics nodulisporic acid and ivermectin. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 13949-54	11.5	138
38	Blockers of the delayed-rectifier potassium current in pancreatic beta-cells enhance glucose-dependent insulin secretion. *Diabetes*, **2006**, 55, 1034-42	0.9	130
37	Differential modification of the interaction of cardiac muscarinic cholinergic and beta-adrenergic receptors with a guanine nucleotide binding component(s). *Molecular Pharmacology*, **1982**, 21, 570-80	4.3	109
36	Assembly intermediates of the mouse muscle nicotinic acetylcholine receptor in stably transfected fibroblasts. *Journal of Cell Biology*, **1990**, 111, 2601-11	7.3	94
35	Ivermectin and nodulisporic acid receptors in Drosophila melanogaster contain both gamma-aminobutyric acid-gated Rdl and glutamate-gated GluCl alpha chloride channel subunits. *Biochemistry*, **2002**, 41, 6548-60	3.2	85
34	Analgesic effects of a substituted N-triazole oxindole (TROX-1), a state-dependent, voltage-gated calcium channel 2 blocker. *Journal of Pharmacology and Experimental Therapeutics*, **2010**, 334, 545-55	4.7	79
33	Functional assay of voltage-gated sodium channels using membrane potential-sensitive dyes. *Assay and Drug Development Technologies*, **2004**, 2, 260-8	2.1	69
32	Nodulisporic acid opens insect glutamate-gated chloride channels: identification of a new high affinity modulator. *Biochemistry*, **2000**, 39, 5543-54	3.2	69
31	ProTx-I and ProTx-II: gating modifiers of voltage-gated sodium channels. *Toxicon*, **2007**, 49, 194-201	2.8	64
30	Discovery of a novel class of benzazepinone Na(v)1.7 blockers: potential treatments for neuropathic pain. *Bioorganic and Medicinal Chemistry Letters*, **2007**, 17, 4630-4	2.9	62
29	Synthesis and assembly of acetylcholine receptor, a multisubunit membrane glycoprotein. *Journal of Membrane Biology*, **1986**, 91, 1-10	2.3	59
28	Characterization of the substituted N-triazole oxindole TROX-1, a small-molecule, state-dependent inhibitor of Ca(V)2 calcium channels. *Molecular Pharmacology*, **2012**, 81, 488-97	4.3	49
27	Properties of Three Baculovirus-Expressing Genes That Encode Insect-Selective Toxins: ΔAga-IV, As II, and Sh I. *Biological Control*, **1996**, 7, 236-244	3.8	49
26	A high-throughput assay for evaluating state dependence and subtype selectivity of Cav2 calcium channel inhibitors. *Assay and Drug Development Technologies*, **2008**, 6, 195-212	2.1	48
25	Nodulisporic acids D-F: structure, biological activities, and biogenetic relationships. *Journal of Natural Products*, **2004**, 67, 1496-506	4.9	45

24	Type III omega-agatoxins: a family of probes for similar binding sites on L- and N-type calcium channels. *Biochemistry*, **1994**, 33, 5098-108	3.2	43
23	Benzazepinone Nav1.7 blockers: potential treatments for neuropathic pain. *Bioorganic and Medicinal Chemistry Letters*, **2007**, 17, 6172-7	2.9	39
22	Regulation of phosphorylation of nicotinic acetylcholine receptors in mouse BC3H1 myocytes. *Proceedings of the National Academy of Sciences of the United States of America*, **1987**, 84, 6601-5	11.5	38
21	Imidazopyridines: a novel class of hNav1.7 channel blockers. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 1696-701	2.9	30
20	A disubstituted succinamide is a potent sodium channel blocker with efficacy in a rat pain model. *Biochemistry*, **2004**, 43, 9866-76	3.2	29
19	WIN 17317-3, a new high-affinity probe for voltage-gated sodium channels. *Biochemistry*, **1999**, 38, 11137-46	3.2	29
18	Effects of Simultaneous Expression of Two Sodium Channel Toxin Genes on the Properties of Baculoviruses as Biopesticides. *Biological Control*, **1998**, 12, 66-78	3.8	28
17	Nodulisporic acid: its chemistry and biology. *Current Topics in Medicinal Chemistry*, **2002**, 2, 655-74	3	27
16	Modification of receptor-mediated inhibition of adenylate cyclase in NG108-15 neuroblastoma X glioma cells by n-ethylmaleimide. *Journal of Pharmacology and Experimental Therapeutics*, **1984**, 228, 425-33	4.7	24
15	Aminopiperidine sulfonamide Cav2.2 channel inhibitors for the treatment of chronic pain. *Journal of Medicinal Chemistry*, **2012**, 55, 9847-55	8.3	23
14	Characterization of the solubilized charybdotoxin receptor from bovine aortic smooth muscle. *Biochemistry*, **1991**, 30, 11157-64	3.2	23
13	Novel cyclopentane dicarboxamide sodium channel blockers as a potential treatment for chronic pain. *Bioorganic and Medicinal Chemistry Letters*, **2005**, 15, 1901-7	2.9	22
12	A potent and selective indole N-type calcium channel (Ca(v)2.2) blocker for the treatment of pain. *Bioorganic and Medicinal Chemistry Letters*, **2011**, 21, 869-73	2.9	21
11	Isolation of myocardial L-type calcium channel gating currents with the spider toxin omega-Aga-IIIA. *Journal of General Physiology*, **1994**, 103, 731-53	3.4	20
10	Discovery of potent and use-dependent sodium channel blockers for treatment of chronic pain. *Bioorganic and Medicinal Chemistry Letters*, **2005**, 15, 2943-7	2.9	19
9	Discovery of a novel class of biphenyl pyrazole sodium channel blockers for treatment of neuropathic pain. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 7479-82	2.9	17
8	A novel benzazepinone sodium channel blocker with oral efficacy in a rat model of neuropathic pain. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 3640-5	2.9	15
7	Synthesis and SAR of 1,2-trans-(1-hydroxy-3-phenylprop-1-yl)cyclopentane carboxamide derivatives, a new class of sodium channel blockers. *Bioorganic and Medicinal Chemistry Letters*, **2006**, 16, 1358-61	2.9	15

6	Discovery of isoxazole voltage gated sodium channel blockers for treatment of chronic pain. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 5334-8	2.9	14
5	Substituted biaryl oxazoles, imidazoles, and thiazoles as sodium channel blockers. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 5536-40	2.9	13
4	Discovery of a novel class of isoxazoline voltage gated sodium channel blockers. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 5329-33	2.9	12
3	Substituted biaryl pyrazoles as sodium channel blockers. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 5480-3	2.9	12
2	Improved Cav2.2 Channel Inhibitors through a gem-Dimethylsulfone Bioisostere Replacement of a Labile Sulfonamide. *ACS Medicinal Chemistry Letters*, **2013**, 4, 1064-8	4.3	11
1	3-Amino-1,5-benzodiazepinones: potent, state-dependent sodium channel blockers with anti-epileptic activity. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 1963-6	2.9	11