

# David B Sattelle

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

177  
papers

10,564  
citations

53  
h-index

99  
g-index

188  
ext. papers

11,907  
ext. citations

6.3  
avg, IF

5.94  
L-index

#	Paper	IF	Citations
177	Actions of Camptothecin Derivatives on Larvae and Adults of the Arboviral Vector. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
176	Structural Requirements for Dihydrobenzoxazepinone Anthelmintics: Actions against Medically Important and Model Parasites: , , , and. <i>ACS Infectious Diseases</i> , <b>2021</b> , 7, 1260-1274	5.5	4
175	Automated phenotyping of mosquito larvae enables high-throughput screening for novel larvicides and offers potential for smartphone-based detection of larval insecticide resistance. <i>PLoS Neglected Tropical Diseases</i> , <b>2021</b> , 15, e0008639	4.8	4
174	Whipworm and roundworm infections. <i>Nature Reviews Disease Primers</i> , <b>2020</b> , 6, 44	51.1	50
173	Anthelmintic drug discovery: target identification, screening methods and the role of open science. <i>Beilstein Journal of Organic Chemistry</i> , <b>2020</b> , 16, 1203-1224	2.5	12
172	Actions on mammalian and insect nicotinic acetylcholine receptors of harmonine-containing alkaloid extracts from the harlequin ladybird <i>Harmonia axyridis</i> . <i>Pesticide Biochemistry and Physiology</i> , <b>2020</b> , 166, 104561	4.9	2
171	Cofactor-enabled functional expression of fruit fly, honeybee, and bumblebee nicotinic receptors reveals picomolar neonicotinoid actions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 16283-16291	11.5	24
170	Neonicotinoid Insecticides: Molecular Targets, Resistance, and Toxicity. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2020</b> , 60, 241-255	17.9	71
169	Turning a Drug Target into a Drug Candidate: A New Paradigm for Neurological Drug Discovery?. <i>BioEssays</i> , <b>2020</b> , 42, e2000011	4.1	0
168	<i>C. elegans</i> expressing D76N $\beta$ microglobulin: a model for in vivo screening of drug candidates targeting amyloidosis. <i>Scientific Reports</i> , <b>2019</b> , 9, 19960	4.9	6
167	Calcium signalling in mammalian cell lines expressing wild type and mutant human $\beta$ -Antitrypsin. <i>Scientific Reports</i> , <b>2019</b> , 9, 17293	4.9	0
166	Combined effects of mutations in loop C and the loop D-E-G triangle on neonicotinoid interactions with <i>Drosophila</i> D $\beta$ /chicken $\beta$ hybrid nAChRs. <i>Pesticide Biochemistry and Physiology</i> , <b>2018</b> , 151, 47-52	4.9	8
165	Loops D, E and G in the <i>Drosophila</i> D $\beta$ subunit contribute to high neonicotinoid sensitivity of D $\beta$ -chicken $\beta$ nicotinic acetylcholine receptor. <i>British Journal of Pharmacology</i> , <b>2018</b> , 175, 1999-2012	8.6	16
164	2,4-Diaminothieno[3,2-d]pyrimidines, a new class of anthelmintic with activity against adult and egg stages of whipworm. <i>PLoS Neglected Tropical Diseases</i> , <b>2018</b> , 12, e0006487	4.8	21
163	An automated high-throughput system for phenotypic screening of chemical libraries on <i>C. elegans</i> and parasitic nematodes. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , <b>2018</b> , 8, 8-21	4	43
162	Improved reference genome of <i>Aedes aegypti</i> informs arbovirus vector control. <i>Nature</i> , <b>2018</b> , 563, 501-507	50.4	235
161	Insect toxins - selective pharmacological tools and drug/chemical leads. <i>Current Opinion in Insect Science</i> , <b>2018</b> , 30, 93-98	5.1	11

160	The fungal alkaloid Okaramine-B activates an L-glutamate-gated chloride channel from <i>Ixodes scapularis</i> , a tick vector of Lyme disease. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , <b>2018</b> , 8, 350-360	4	3
159	Okaramine insecticidal alkaloids show similar activity on both exon 3c and exon 3b variants of glutamate-gated chloride channels of the larval silkworm, <i>Bombyx mori</i> . <i>NeuroToxicology</i> , <b>2017</b> , 60, 240-244	4.4	8
158	Dihydrobenz[e][1,4]oxazepin-2(3H)-ones, a new anthelmintic chemotype immobilising whipworm and reducing infectivity in vivo. <i>PLoS Neglected Tropical Diseases</i> , <b>2017</b> , 11, e0005359	4.8	18
157	An L319F mutation in transmembrane region 3 (TM3) selectively reduces sensitivity to okaramine B of the <i>Bombyx mori</i> l-glutamate-gated chloride channel. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2017</b> , 81, 1861-1867	2.1	4
156	Modes of Action, Resistance and Toxicity of Insecticides Targeting Nicotinic Acetylcholine Receptors. <i>Current Medicinal Chemistry</i> , <b>2017</b> , 24, 2925-2934	4.3	49
155	Mechanisms of Action, Resistance and Toxicity of Insecticides Targeting GABA Receptors. <i>Current Medicinal Chemistry</i> , <b>2017</b> , 24, 2935-2945	4.3	38
154	Genomic insights into the <i>Ixodes scapularis</i> tick vector of Lyme disease. <i>Nature Communications</i> , <b>2016</b> , 7, 10507	17.4	303
153	Tick Genome Assembled: New Opportunities for Research on Tick-Host-Pathogen Interactions. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2016</b> , 6, 103	5.9	27
152	Probing new components (loop G and the $\beta$ -interface) of neonicotinoid binding sites on nicotinic acetylcholine receptors. <i>Pesticide Biochemistry and Physiology</i> , <b>2015</b> , 121, 47-52	4.9	14
151	Functional characterisation of a nicotinic acetylcholine receptor $\beta$ subunit from the brown dog tick, <i>Rhipicephalus sanguineus</i> . <i>International Journal for Parasitology</i> , <b>2014</b> , 44, 75-81	4.3	11
150	The TRiC/CCT chaperone is implicated in Alzheimer's disease based on patient GWAS and an RNAi screen in A $\beta$ -expressing <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , <b>2014</b> , 9, e102985	3.7	22
149	Studies on an acetylcholine binding protein identify a basic residue in loop G on the $\beta$ strand as a new structural determinant of neonicotinoid actions. <i>Molecular Pharmacology</i> , <b>2014</b> , 86, 736-46	4.3	22
148	Automated, high-throughput, motility analysis in <i>Caenorhabditis elegans</i> and parasitic nematodes: Applications in the search for new anthelmintics. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , <b>2014</b> , 4, 226-32	4	46
147	A single amino acid polymorphism in the <i>Drosophila melanogaster</i> D $\beta$ (ALS) subunit enhances neonicotinoid efficacy at D $\beta$ -chicken $\alpha$ hybrid nicotinic acetylcholine receptor expressed in <i>Xenopus laevis</i> oocytes. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2014</b> , 78, 543-9	2.1	4
146	An antagonist of the retinoid X receptor reduces the viability of <i>Trichuris muris</i> in vitro. <i>BMC Infectious Diseases</i> , <b>2014</b> , 14, 520	4	12
145	Exon 3 splicing and mutagenesis identify residues influencing cell surface density of heterologously expressed silkworm ( <i>Bombyx mori</i> ) glutamate-gated chloride channels. <i>Molecular Pharmacology</i> , <b>2014</b> , 86, 686-95	4.3	20
144	Actions of agonists, fipronil and ivermectin on the predominant in vivo splice and edit variant (RDLbd, I/V) of the <i>Drosophila</i> GABA receptor expressed in <i>Xenopus laevis</i> oocytes. <i>PLoS ONE</i> , <b>2014</b> , 9, e97468	3.7	17
143	Dr. Kathleen Drew-Baker, "Mother of the Sea", a Manchester scientist celebrated each year for half a century in Japan. <i>BioEssays</i> , <b>2013</b> , 35, 838-9	4.1	1

142	Xenopus laevis RIC-3 enhances the functional expression of the C. elegans homomeric nicotinic receptor, ACR-16, in Xenopus oocytes. <i>Journal of Neurochemistry</i> , <b>2012</b> , 123, 911-8	6	12
141	Glutamate-gated chloride channels of Haemonchus contortus restore drug sensitivity to ivermectin resistant Caenorhabditis elegans. <i>PLoS ONE</i> , <b>2011</b> , 6, e22390	3.7	53
140	Cotinine reduces amyloid- $\beta$ aggregation and improves memory in Alzheimer's disease mice. <i>Journal of Alzheimer's Disease</i> , <b>2011</b> , 24, 817-35	4.3	64
139	Invertebrate models of spinal muscular atrophy: insights into mechanisms and potential therapeutics. <i>BioEssays</i> , <b>2011</b> , 33, 956-65	4.1	19
138	A novel Caenorhabditis elegans allele, smn-1(cb131), mimicking a mild form of spinal muscular atrophy, provides a convenient drug screening platform highlighting new and pre-approved compounds. <i>Human Molecular Genetics</i> , <b>2011</b> , 20, 245-60	5.6	42
137	A Cys-loop mutation in the Caenorhabditis elegans nicotinic receptor subunit UNC-63 impairs but does not abolish channel function. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 2550-8	5.4	10
136	Proteins interacting with nicotinic acetylcholine receptors: expanding functional and therapeutic horizons. <i>Trends in Pharmacological Sciences</i> , <b>2010</b> , 31, 455-62	13.2	36
135	Functional and evolutionary insights from the genomes of three parasitoid Nasonia species. <i>Science</i> , <b>2010</b> , 327, 343-8	33.3	682
134	Alzheimer's disease: insights from Drosophila melanogaster models. <i>Trends in Biochemical Sciences</i> , <b>2010</b> , 35, 228-35	10.3	88
133	Diverse actions and target-site selectivity of neonicotinoids: structural insights. <i>Molecular Pharmacology</i> , <b>2009</b> , 76, 1-10	4.3	97
132	Splice-variant- and stage-specific RNA editing of the Drosophila GABA receptor modulates agonist potency. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 4287-92	6.6	53
131	Invertebrate nicotinic acetylcholine receptors -Targets for chemicals and drugs important in agriculture, veterinary medicine and human health. <i>Journal of Pesticide Sciences</i> , <b>2009</b> , 34, 233-240	2.7	19
130	The nicotinic acetylcholine receptors of the parasitic nematode Ascaris suum: formation of two distinct drug targets by varying the relative expression levels of two subunits. <i>PLoS Pathogens</i> , <b>2009</b> , 5, e1000517	7.6	64
129	Fast, automated measurement of nematode swimming (thrashing) without morphometry. <i>BMC Neuroscience</i> , <b>2009</b> , 10, 84	3.2	78
128	Comparative pharmacology and computational modelling yield insights into allosteric modulation of human $\alpha 7$ nicotinic acetylcholine receptors. <i>Biochemical Pharmacology</i> , <b>2009</b> , 78, 836-43	6	39
127	Alternative splicing of the Anopheles gambiae nicotinic acetylcholine receptor, Agamalphabeta9, generates both alpha and beta subunits. <i>Invertebrate Neuroscience</i> , <b>2009</b> , 9, 77-84	1.2	6
126	Allosteric modulation by benzodiazepines of GABA-gated chloride channels of an identified insect motor neurone. <i>Invertebrate Neuroscience</i> , <b>2009</b> , 9, 85-9	1.2	5
125	Nicotinic acetylcholine receptor signalling: roles in Alzheimer's disease and amyloid neuroprotection. <i>Pharmacological Reviews</i> , <b>2009</b> , 61, 39-61	22.5	223

124	Combined roles of loops C and D in the interactions of a neonicotinoid insecticide imidacloprid with the alpha4beta2 nicotinic acetylcholine receptor. <i>Neuropharmacology</i> , <b>2009</b> , 56, 264-72	5.5	24
123	Deletion of smn-1, the Caenorhabditis elegans ortholog of the spinal muscular atrophy gene, results in locomotor dysfunction and reduced lifespan. <i>Human Molecular Genetics</i> , <b>2009</b> , 18, 97-104	5.6	72
122	The genome of the model beetle and pest Tribolium castaneum. <i>Nature</i> , <b>2008</b> , 452, 949-55	50.4	1043
121	A role for Leu118 of loop E in agonist binding to the alpha 7 nicotinic acetylcholine receptor. <i>Molecular Pharmacology</i> , <b>2008</b> , 73, 1659-67	4.3	18
120	1P-236 Crystal structures of an acetylcholine binding protein complexed with neonicotinoids(The 46th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , <b>2008</b> , 48, S58	0	
119	Potentiating and blocking actions of neonicotinoids on the response to acetylcholine of the neuronal .ALPHA.4.BETA.2 nicotinic acetylcholine receptor. <i>Journal of Pesticide Sciences</i> , <b>2008</b> , 33, 146-157	2.7	16
118	Functional Genomics of Ionotropic Acetylcholine Receptors in Caenorhabditis elegans and Drosophila melanogaster. <i>Novartis Foundation Symposium</i> , <b>2008</b> , 240-260		9
117	The cys-loop ligand-gated ion channel gene superfamily of the nematode, Caenorhabditis elegans. <i>Invertebrate Neuroscience</i> , <b>2008</b> , 8, 41-7	1.2	67
116	Crystal structures of Lymnaea stagnalis AChBP in complex with neonicotinoid insecticides imidacloprid and clothianidin. <i>Invertebrate Neuroscience</i> , <b>2008</b> , 8, 71-81	1.2	110
115	Insect ryanodine receptors: molecular targets for novel pest control chemicals. <i>Invertebrate Neuroscience</i> , <b>2008</b> , 8, 107-19	1.2	261
114	Strategies for automated analysis of C. elegans locomotion. <i>Invertebrate Neuroscience</i> , <b>2008</b> , 8, 121-31	1.2	33
113	The cys-loop ligand-gated ion channel gene superfamily of the red flour beetle, Tribolium castaneum. <i>BMC Genomics</i> , <b>2007</b> , 8, 327	4.5	110
112	Insect nicotinic acetylcholine receptor gene families: from genetic model organism to vector, pest and beneficial species. <i>Invertebrate Neuroscience</i> , <b>2007</b> , 7, 67-73	1.2	83
111	A hypothesis to account for the selective and diverse actions of neonicotinoid insecticides at their molecular targets, nicotinic acetylcholine receptors: catch and release in hydrogen bond networks. <i>Invertebrate Neuroscience</i> , <b>2007</b> , 7, 47-51	1.2	21
110	The nicotinic acetylcholine receptor gene family of the nematode Caenorhabditis elegans: an update on nomenclature. <i>Invertebrate Neuroscience</i> , <b>2007</b> , 7, 129-31	1.2	59
109	Actions of snake neurotoxins on an insect nicotinic cholinergic synapse. <i>Invertebrate Neuroscience</i> , <b>2007</b> , 7, 173-8	1.2	2
108	Neuronal nitric oxide synthase gene transfer decreases [Ca <sup>2+</sup> ] <sub>i</sub> in cardiac sympathetic neurons. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2007</b> , 43, 717-25	5.8	24
107	Exploring the pharmacological properties of insect nicotinic acetylcholine receptors. <i>Trends in Pharmacological Sciences</i> , <b>2007</b> , 28, 14-22	13.2	108

106	The Abeta1-42M35C mutated amyloid peptide Abeta1-42 and the 25-35 fragment fail to mimic the subtype-specificity of actions on recombinant human nicotinic acetylcholine receptors (alpha7, alpha4beta2, alpha3beta4). <i>Neuroscience Letters</i> , <b>2007</b> , 427, 28-33	3.3	6
105	Effects of amyloid peptides on A-type K <sup>+</sup> currents of Drosophila larval cholinergic neurons. <i>Journal of Neurobiology</i> , <b>2006</b> , 66, 476-87		12
104	SMN, the product of the spinal muscular atrophy-determining gene, is expressed widely but selectively in the developing human forebrain. <i>Journal of Comparative Neurology</i> , <b>2006</b> , 497, 808-16	3.4	15
103	Role in the selectivity of neonicotinoids of insect-specific basic residues in loop D of the nicotinic acetylcholine receptor agonist binding site. <i>Molecular Pharmacology</i> , <b>2006</b> , 70, 1255-63	4.3	102
102	The nicotinic acetylcholine receptor gene family of the honey bee, <i>Apis mellifera</i> . <i>Genome Research</i> , <b>2006</b> , 16, 1422-30	9.7	130
101	Gene expression profiling studies on <i>Caenorhabditis elegans</i> dystrophin mutants <i>dys-1(cx-35)</i> and <i>dys-1(cx18)</i> . <i>Genomics</i> , <b>2006</b> , 88, 642-9	4.3	10
100	Actions of imidacloprid, clothianidin and related neonicotinoids on nicotinic acetylcholine receptors of American cockroach neurons and their relationships with insecticidal potency. <i>Journal of Pesticide Sciences</i> , <b>2006</b> , 31, 35-40	2.7	40
99	Neonicotinoid insecticides display partial and super agonist actions on native insect nicotinic acetylcholine receptors. <i>Journal of Neurochemistry</i> , <b>2006</b> , 99, 608-15	6	106
98	pWormgatePro enables promoter-driven knockdown by hairpin RNA interference of muscle and neuronal gene products in <i>Caenorhabditis elegans</i> . <i>Invertebrate Neuroscience</i> , <b>2006</b> , 6, 5-12	1.2	15
97	The actions of the neonicotinoid imidacloprid on cholinergic neurons of <i>Drosophila melanogaster</i> . <i>Invertebrate Neuroscience</i> , <b>2006</b> , 6, 33-40	1.2	31
96	Alpha7 mutants mimicking atypical motifs (YxxCC of loop-C, and E to H at -1P in TM2) in the <i>C. elegans</i> LEV-8 subunit affect nicotinic acetylcholine receptor function. <i>Invertebrate Neuroscience</i> , <b>2006</b> , 6, 69-73	1.2	1
95	Replacement of asparagine with arginine at the extracellular end of the second transmembrane (M2) region of insect GABA receptors increases sensitivity to penicillin G. <i>Invertebrate Neuroscience</i> , <b>2006</b> , 6, 75-9	1.2	11
94	The cys-loop ligand-gated ion channel superfamily of the honeybee, <i>Apis mellifera</i> . <i>Invertebrate Neuroscience</i> , <b>2006</b> , 6, 123-32	1.2	81
93	<i>Caenorhabditis elegans</i> in the study of SMN-interacting proteins: a role for SMI-1, an orthologue of human Gemin2 and the identification of novel components of the SMN complex. <i>Invertebrate Neuroscience</i> , <b>2006</b> , 6, 145-59	1.2	21
92	The effects of amyloid peptides on A-type K <sup>(+)</sup> currents of <i>Drosophila</i> larval cholinergic neurons: modeled actions on firing properties. <i>Invertebrate Neuroscience</i> , <b>2006</b> , 6, 207-13	1.2	7
91	Neonicotinoids show selective and diverse actions on their nicotinic receptor targets: electrophysiology, molecular biology, and receptor modeling studies. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2005</b> , 69, 1442-52	2.1	142
90	Insect-vertebrate chimeric nicotinic acetylcholine receptors identify a region, loop B to the N-terminus of the <i>Drosophila</i> Dalpha2 subunit, which contributes to neonicotinoid sensitivity. <i>Neuroscience Letters</i> , <b>2005</b> , 385, 168-72	3.3	34
89	The nicotinic acetylcholine receptor gene family of the malaria mosquito, <i>Anopheles gambiae</i> . <i>Genomics</i> , <b>2005</b> , 85, 176-87	4.3	99

88	Structure and function of two-pore-domain K <sup>+</sup> channels: contributions from genetic model organisms. <i>Trends in Pharmacological Sciences</i> , <b>2005</b> , 26, 361-7	13.2	35
87	The <i>Caenorhabditis elegans</i> lev-8 gene encodes a novel type of nicotinic acetylcholine receptor alpha subunit. <i>Journal of Neurochemistry</i> , <b>2005</b> , 93, 1-9	6	77
86	Subtype-specific actions of beta-amyloid peptides on recombinant human neuronal nicotinic acetylcholine receptors (alpha7, alpha4beta2, alpha3beta4) expressed in <i>Xenopus laevis</i> oocytes. <i>British Journal of Pharmacology</i> , <b>2005</b> , 146, 964-71	8.6	35
85	Chemistry-to-gene screens in <i>Caenorhabditis elegans</i> . <i>Nature Reviews Drug Discovery</i> , <b>2005</b> , 4, 321-30	64.1	99
84	Is spinal muscular atrophy the result of defects in motor neuron processes?. <i>BioEssays</i> , <b>2005</b> , 27, 946-57	4.1	85
83	Ion channels: molecular targets of neuroactive insecticides. <i>Invertebrate Neuroscience</i> , <b>2005</b> , 5, 119-33	1.2	155
82	Responses to Neonicotinoids of Chicken .ALPHA.7 Nicotinic Acetylcholine Receptors: Effects of Mutations of Isoleucine 191 in Loop F to Aromatic Residues. <i>Journal of Pesticide Sciences</i> , <b>2004</b> , 29, 364-368	2.7	8
81	The <i>Caenorhabditis elegans</i> unc-63 gene encodes a levamisole-sensitive nicotinic acetylcholine receptor alpha subunit. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 42476-83	5.4	112
80	Gene silencing of selected calcium-signalling molecules in a <i>Drosophila</i> cell line using double-stranded RNA interference. <i>Cell Calcium</i> , <b>2004</b> , 35, 131-9	4	10
79	Functional genomics of the nicotinic acetylcholine receptor gene family of the nematode, <i>Caenorhabditis elegans</i> . <i>BioEssays</i> , <b>2004</b> , 26, 39-49	4.1	122
78	Super agonist actions of clothianidin and related compounds on the SAD beta 2 nicotinic acetylcholine receptor expressed in <i>Xenopus laevis</i> oocytes. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2004</b> , 68, 761-3	2.1	49
77	Roles of loop C and the loop B-C interval of the nicotinic receptor alpha subunit in its selective interactions with imidacloprid in insects. <i>Neuroscience Letters</i> , <b>2004</b> , 363, 195-8	3.3	63
76	Mechanism of Selective Actions of Neonicotinoids on Insect Nicotinic Acetylcholine Receptors. <i>ACS Symposium Series</i> , <b>2004</b> , 172-182	0.4	7
75	Action of nereistoxin on recombinant neuronal nicotinic acetylcholine receptors expressed in <i>Xenopus laevis</i> oocytes. <i>Invertebrate Neuroscience</i> , <b>2003</b> , 5, 29-35	1.2	17
74	Combinatorial mutations in loops D and F strongly influence responses of the alpha7 nicotinic acetylcholine receptor to imidacloprid. <i>Brain Research</i> , <b>2003</b> , 991, 71-7	3.7	33
73	Thymol, a constituent of thyme essential oil, is a positive allosteric modulator of human GABA(A) receptors and a homo-oligomeric GABA receptor from <i>Drosophila melanogaster</i> . <i>British Journal of Pharmacology</i> , <b>2003</b> , 140, 1363-72	8.6	317
72	Bicuculline-insensitive GABA-gated Cl <sup>-</sup> channels in the larval nervous system of the moth <i>Manduca sexta</i> . <i>Invertebrate Neuroscience</i> , <b>2003</b> , 5, 37-43	1.2	9
71	Diverse actions of neonicotinoids on chicken alpha7, alpha4beta2 and <i>Drosophila</i> -chicken SADbeta2 and ALSbeta2 hybrid nicotinic acetylcholine receptors expressed in <i>Xenopus laevis</i> oocytes. <i>Neuropharmacology</i> , <b>2003</b> , 45, 133-44	5.5	90

70	The nicotinic acetylcholine receptor gene family of the pufferfish, <i>Fugu rubripes</i> . <i>Genomics</i> , <b>2003</b> , 82, 441-51	4.3	36
69	Neuromuscular defects in a <i>Drosophila</i> survival motor neuron gene mutant. <i>Human Molecular Genetics</i> , <b>2003</b> , 12, 1367-76	5.6	159
68	A <i>Drosophila melanogaster</i> cell line (S2) facilitates post-genome functional analysis of receptors and ion channels. <i>BioEssays</i> , <b>2002</b> , 24, 1066-73	4.1	27
67	Novel animal-health drug targets from ligand-gated chloride channels. <i>Nature Reviews Drug Discovery</i> , <b>2002</b> , 1, 427-36	64.1	86
66	Effects of mutations of a glutamine residue in loop D of the alpha7 nicotinic acetylcholine receptor on agonist profiles for neonicotinoid insecticides and related ligands. <i>British Journal of Pharmacology</i> , <b>2002</b> , 137, 162-9	8.6	70
65	Novel alpha7-like nicotinic acetylcholine receptor subunits in the nematode <i>Caenorhabditis elegans</i> . <i>Protein Science</i> , <b>2002</b> , 11, 1162-71	6.3	44
64	Functional genomics of ionotropic acetylcholine receptors in <i>Caenorhabditis elegans</i> and <i>Drosophila melanogaster</i> . <i>Novartis Foundation Symposium</i> , <b>2002</b> , 245, 240-57; discussion 257-60, 261-4		10
63	Indoxacarb, an oxadiazine insecticide, blocks insect neuronal sodium channels. <i>British Journal of Pharmacology</i> , <b>2001</b> , 132, 587-95	8.6	74
62	GLC-3: a novel fipronil and BIDN-sensitive, but picrotoxinin-insensitive, L-glutamate-gated chloride channel subunit from <i>Caenorhabditis elegans</i> . <i>British Journal of Pharmacology</i> , <b>2001</b> , 132, 1247-54	8.6	78
61	Insecticidal and neural activities of candidate photoaffinity probes for neonicotinoid binding sites. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2001</b> , 65, 1534-41	2.1	11
60	Neonicotinoids: insecticides acting on insect nicotinic acetylcholine receptors. <i>Trends in Pharmacological Sciences</i> , <b>2001</b> , 22, 573-80	13.2	639
59	Co-existence in DUM neurones of two GluCl channels that differ in their picrotoxin sensitivity. <i>NeuroReport</i> , <b>2000</b> , 11, 2695-701	1.7	37
58	Role of loop D of the alpha7 nicotinic acetylcholine receptor in its interaction with the insecticide imidacloprid and related neonicotinoids. <i>British Journal of Pharmacology</i> , <b>2000</b> , 130, 981-6	8.6	52
57	Single channel analysis of the blocking actions of BIDN and fipronil on a <i>Drosophila melanogaster</i> GABA receptor (RDL) stably expressed in a <i>Drosophila</i> cell line. <i>British Journal of Pharmacology</i> , <b>2000</b> , 130, 1833-42	8.6	27
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49	Effects of [3H]-BIDN, a novel bicyclic dinitrile radioligand for GABA-gated chloride channels of insects and vertebrates. <i>British Journal of Pharmacology</i> , <b>1997</b> , 121, 1496-505	8.6	27
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45	Actions of picrodendrin antagonists on dieldrin-sensitive and -resistant Drosophila GABA receptors. <i>British Journal of Pharmacology</i> , <b>1996</b> , 119, 1569-76	8.6	30
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42	INVERTEBRATE VOLTAGE-DEPENDENT CALCIUM CHANNEL SUBTYPES. <i>Biological Reviews</i> , <b>1996</b> , 71, 137-154	13.5	16
41	Nicotine increases [Ca <sup>2+</sup> ] <sub>i</sub> and regulates electrical activity in insect neurosecretory cells (DUM neurons) via an acetylcholine receptor with mixed nicotinic-muscarinic pharmacology. <i>Neuroscience Letters</i> , <b>1996</b> , 220, 142-6	3.3	29
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39	Localization in the nervous system of Drosophila melanogaster of a C-terminus anti-peptide antibody to a cloned Drosophila muscarinic acetylcholine receptor. <i>Journal of Neuroendocrinology</i> , <b>1995</b> , 7, 347-52	3.8	22
38	Actions of the insecticide fipronil, on dieldrin-sensitive and- resistant GABA receptors of Drosophila melanogaster. <i>British Journal of Pharmacology</i> , <b>1995</b> , 115, 909-12	8.6	118
37	Actions of acromelic acid on nervous system L-glutamate receptors. <i>Archives of Insect Biochemistry and Physiology</i> , <b>1994</b> , 25, 87-94	2.3	1
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35	Characterization of phenylalkylamine binding sites in insect (Periplaneta americana) nervous system and skeletal muscle membranes. <i>Archives of Insect Biochemistry and Physiology</i> , <b>1993</b> , 23, 111-124	2.3	10

34	Actions of a coral toxin analogue (bipinnatin-B) on an insect nicotinic acetylcholine receptor. <i>Archives of Insect Biochemistry and Physiology</i> , <b>1993</b> , 23, 155-9	2.3	7
33	Neosurugatoxin blocks an alpha-bungarotoxin-sensitive neuronal nicotinic acetylcholine receptor. <i>Archives of Insect Biochemistry and Physiology</i> , <b>1993</b> , 23, 161-7	2.3	6
32	Pharmacologically distinct calcium channels are present in insect nervous system and skeletal muscle. <i>Insect Biochemistry and Molecular Biology</i> , <b>1992</b> , 22, 539-545	4.5	5
31	Acetylcholine receptors of thoracic dorsal midline neurones in the cockroach, <i>Periplaneta Americana</i> . <i>Archives of Insect Biochemistry and Physiology</i> , <b>1992</b> , 21, 289-301	2.3	13
30	Quasi-elastic laser light-scattering studies of size and dispersity of secretory vesicles and neurosecretosomes isolated from vertebrate neurohypophyses. <i>Biochemical Society Transactions</i> , <b>1991</b> , 19, 501	5.1	2
29	Actions of imidacloprid and a related nitromethylene on cholinergic receptors of an identified insect motor neurone. <i>Pest Management Science</i> , <b>1991</b> , 33, 197-204		224
28	GABA receptors of insects susceptible and resistant to cyclodiene insecticides. <i>Pest Management Science</i> , <b>1991</b> , 33, 223-230		1
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26	GABA Receptors of Insects. <i>Advances in Insect Physiology</i> , <b>1990</b> , 1-113	2.5	112
25	Pharmacological and biochemical properties of insect GABA receptors. <i>Trends in Pharmacological Sciences</i> , <b>1990</b> , 11, 325-9	13.2	69
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13	Actions of pyrethroid insecticides on insect axonal sodium channels. <i>Pest Management Science</i> , <b>1985</b> , 16, 651-661		21
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6	Inhibitors of choline acetyltransferase as potential insecticides. <i>Pest Management Science</i> , <b>1975</b> , 6, 645-653		21
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