

David J. Adams

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213
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229
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ext. citations

6.3
avg, IF

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L-index

#	Paper	IF	Citations
213	Ionic currents in molluscan soma. <i>Annual Review of Neuroscience</i> , 1980 , 3, 141-67	17	288
212	The engineering of an orally active conotoxin for the treatment of neuropathic pain. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 6545-8	16.4	246
211	Two new classes of conopeptides inhibit the alpha1-adrenoceptor and noradrenaline transporter. <i>Nature Neuroscience</i> , 2001 , 4, 902-7	25.5	210
210	Engineering stable peptide toxins by means of backbone cyclization: stabilization of the alpha-conotoxin MII. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 13767-72	11.5	200
209	Trends in peptide drug discovery. <i>Nature Reviews Drug Discovery</i> , 2021 , 20, 309-325	64.1	185
208	Novel omega-conotoxins from <i>Conus catus</i> discriminate among neuronal calcium channel subtypes. <i>Journal of Biological Chemistry</i> , 2000 , 275, 35335-44	5.4	179
207	Calcium entry through receptor-operated channels in bovine pulmonary artery endothelial cells. <i>Tissue and Cell</i> , 1987 , 19, 733-45	2.7	163
206	muO-conotoxin MrVIB selectively blocks Nav1.8 sensory neuron specific sodium channels and chronic pain behavior without motor deficits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 17030-5	11.5	161
205	Alpha-selenoconotoxins, a new class of potent alpha7 neuronal nicotinic receptor antagonists. <i>Journal of Biological Chemistry</i> , 2006 , 281, 14136-43	5.4	155
204	Regulation of neuronal voltage-gated sodium channels by the ubiquitin-protein ligases Nedd4 and Nedd4-2. <i>Journal of Biological Chemistry</i> , 2004 , 279, 28930-5	5.4	118
203	The doublecortin-expressing population in the developing and adult brain contains multipotential precursors in addition to neuronal-lineage cells. <i>Journal of Neuroscience</i> , 2007 , 27, 3734-42	6.6	116
202	Solving the alpha-conotoxin folding problem: efficient selenium-directed on-resin generation of more potent and stable nicotinic acetylcholine receptor antagonists. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3514-22	16.4	114
201	Trastuzumab-grafted PAMAM dendrimers for the selective delivery of anticancer drugs to HER2-positive breast cancer. <i>Scientific Reports</i> , 2016 , 6, 23179	4.9	112
200	The synthesis, structural characterization, and receptor specificity of the alpha-conotoxin Vc1.1. <i>Journal of Biological Chemistry</i> , 2006 , 281, 23254-63	5.4	111
199	Isolation, structure, and activity of GID, a novel alpha 4/7-conotoxin with an extended N-terminal sequence. <i>Journal of Biological Chemistry</i> , 2003 , 278, 3137-44	5.4	110
198	Acetylcholine-evoked currents in cultured neurones dissociated from rat parasympathetic cardiac ganglia. <i>Journal of Physiology</i> , 1991 , 434, 215-37	3.9	109
197	Auxiliary subunit regulation of high-voltage activated calcium channels expressed in mammalian cells. <i>European Journal of Neuroscience</i> , 2004 , 20, 1-13	3.5	106

196	Calcium-activated potassium channels in native endothelial cells from rabbit aorta: conductance, Ca ²⁺ sensitivity and block. <i>Journal of Physiology</i> , 1992 , 455, 601-21	3.9	99
195	A new level of conotoxin diversity, a non-native disulfide bond connectivity in alpha-conotoxin Au1B reduces structural definition but increases biological activity. <i>Journal of Biological Chemistry</i> , 2002 , 277, 48849-57	5.4	97
194	Are alpha9alpha10 nicotinic acetylcholine receptors a pain target for alpha-conotoxins?. <i>Molecular Pharmacology</i> , 2007 , 72, 1406-10	4.3	96
193	alpha-conotoxin Epl, a novel sulfated peptide from <i>Conus episcopatus</i> that selectively targets neuronal nicotinic acetylcholine receptors. <i>Journal of Biological Chemistry</i> , 1998 , 273, 15667-74	5.4	93
192	The relationship of brevetoxin B length and A-ring functionality to binding and activity in neuronal sodium channels. <i>Chemistry and Biology</i> , 1995 , 2, 533-41		93
191	Conotoxins and their potential pharmaceutical applications 1999 , 46, 219-234		86
190	Characteristics of sodium and calcium conductance changes produced by membrane depolarization in an <i>Aplysia</i> neurone. <i>Journal of Physiology</i> , 1979 , 289, 143-61	3.9	85
189	Inhibitors of calcium buffering depress evoked transmitter release at the squid giant synapse. <i>Journal of Physiology</i> , 1985 , 369, 145-59	3.9	81
188	Total synthesis of the analgesic conotoxin MrVIB through selenocysteine-assisted folding. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6527-9	16.4	79
187	Chemical modification of conotoxins to improve stability and activity. <i>ACS Chemical Biology</i> , 2007 , 2, 457-68	4.9	79
186	Bradykinin and inositol 1,4,5-trisphosphate-stimulated calcium release from intracellular stores in cultured bovine endothelial cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1989 , 414, 377-84	4.6	79
185	Intravenous anaesthetics inhibit nicotinic acetylcholine receptor-mediated currents and Ca ²⁺ transients in rat intracardiac ganglion neurons. <i>British Journal of Pharmacology</i> , 2005 , 144, 144-144	8.6	78
184	Tertiapin-Q blocks recombinant and native large conductance K ⁺ channels in a use-dependent manner. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005 , 314, 1353-61	4.7	73
183	Structures of muO-conotoxins from <i>Conus marmoreus</i> . Inhibitors of tetrodotoxin (TTX)-sensitive and TTX-resistant sodium channels in mammalian sensory neurons. <i>Journal of Biological Chemistry</i> , 2004 , 279, 25774-82	5.4	72
182	Ionic currents in response to membrane depolarization in an <i>Aplysia</i> neurone. <i>Journal of Physiology</i> , 1979 , 289, 115-41	3.9	72
181	Chemical and functional identification and characterization of novel sulfated alpha-conotoxins from the cone snail <i>Conus anemone</i> . <i>Journal of Medicinal Chemistry</i> , 2004 , 47, 1234-41	8.3	71
180	Regulation of the voltage-gated K(+) channels KCNQ2/3 and KCNQ3/5 by ubiquitination. Novel role for Nedd4-2. <i>Journal of Biological Chemistry</i> , 2007 , 282, 12135-42	5.4	70
179	A novel mechanism of inhibition of high-voltage activated calcium channels by conotoxins contributes to relief of nerve injury-induced neuropathic pain. <i>Pain</i> , 2011 , 152, 259-266	8	69

178	Omega-conotoxin CVID inhibits a pharmacologically distinct voltage-sensitive calcium channel associated with transmitter release from preganglionic nerve terminals. <i>Journal of Biological Chemistry</i> , 2003 , 278, 4057-62	5.4	69
177	Determination of the α -conotoxin Vc1.1 binding site on the $\alpha 10$ nicotinic acetylcholine receptor. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 3557-67	8.3	68
176	Improving Efficacy, Oral Bioavailability, and Delivery of Paclitaxel Using Protein-Grafted Solid Lipid Nanoparticles. <i>Molecular Pharmaceutics</i> , 2016 , 13, 3903-3912	5.6	68
175	The $\alpha 2\delta$ auxiliary subunit reduces affinity of omega-conotoxins for recombinant N-type (Cav2.2) calcium channels. <i>Journal of Biological Chemistry</i> , 2004 , 279, 34705-14	5.4	67
174	Analgesic α -conotoxins Vc1.1 and RgIA inhibit N-type calcium channels in sensory neurons of $\alpha 10$ nicotinic receptor knockout mice. <i>Channels</i> , 2010 , 4, 51-4	3	66
173	Solution structure of mu-conotoxin PIIIA, a preferential inhibitor of persistent tetrodotoxin-sensitive sodium channels. <i>Journal of Biological Chemistry</i> , 2002 , 277, 27247-55	5.4	66
172	Liposome reconstitution and modulation of recombinant N-methyl-D-aspartate receptor channels by membrane stretch. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 1540-5	11.5	65
171	Single amino acid substitutions in alpha-conotoxin PnIA shift selectivity for subtypes of the mammalian neuronal nicotinic acetylcholine receptor. <i>Journal of Biological Chemistry</i> , 1999 , 274, 36559-64	5.4	65
170	Identification of a novel class of nicotinic receptor antagonists: dimeric conotoxins VxXIIA, VxXIIB, and VxXIIC from <i>Conus vexillum</i> . <i>Journal of Biological Chemistry</i> , 2006 , 281, 24745-55	5.4	63
169	Synthesis, structure elucidation, in vitro biological activity, toxicity, and Caco-2 cell permeability of lipophilic analogues of alpha-conotoxin MII. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 1266-72	8.3	63
168	Analgesic conotoxins: block and G protein-coupled receptor modulation of N-type (Ca(V) 2.2) calcium channels. <i>British Journal of Pharmacology</i> , 2012 , 166, 486-500	8.6	62
167	Scanning mutagenesis of alpha-conotoxin Vc1.1 reveals residues crucial for activity at the $\alpha 9\alpha 10$ nicotinic acetylcholine receptor. <i>Journal of Biological Chemistry</i> , 2009 , 284, 20275-84	5.4	62
166	α -Conotoxin Vc1.1 inhibits human dorsal root ganglion neuroexcitability and mouse colonic nociception via GABA receptors. <i>Gut</i> , 2017 , 66, 1083-1094	19.2	61
165	Mechanisms of conotoxin inhibition of N-type (Ca(v)2.2) calcium channels. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 1619-28	3.8	60
164	Isolation and structure-activity of mu-conotoxin TIIIA, a potent inhibitor of tetrodotoxin-sensitive voltage-gated sodium channels. <i>Molecular Pharmacology</i> , 2007 , 71, 676-85	4.3	57
163	Inhibition of the norepinephrine transporter by the venom peptide chi-MrIA. Site of action, Na ⁺ dependence, and structure-activity relationship. <i>Journal of Biological Chemistry</i> , 2003 , 278, 40317-23	5.4	57
162	ZNF265--a novel spliceosomal protein able to induce alternative splicing. <i>Journal of Cell Biology</i> , 2001 , 154, 25-32	7.3	57
161	An ATP-sensitive potassium conductance in rabbit arterial endothelial cells. <i>Journal of Physiology</i> , 1995 , 485 (Pt 3), 595-606	3.9	57

160	Alpha-conotoxin AulB isomers exhibit distinct inhibitory mechanisms and differential sensitivity to stoichiometry of alpha3beta4 nicotinic acetylcholine receptors. <i>Journal of Biological Chemistry</i> , 2010 , 285, 22254-63	5.4	56
159	Dicarba E-conotoxin Vc1.1 analogues with differential selectivity for nicotinic acetylcholine and GABAB receptors. <i>ACS Chemical Biology</i> , 2013 , 8, 1815-21	4.9	54
158	K(ir) and K(v) channels regulate electrical properties and proliferation of adult neural precursor cells. <i>Molecular and Cellular Neurosciences</i> , 2008 , 37, 284-97	4.8	54
157	Are nicotinic acetylcholine receptors coupled to G proteins?. <i>BioEssays</i> , 2013 , 35, 1025-34	4.1	52
156	Functional maturation of isolated neural progenitor cells from the adult rat hippocampus. <i>European Journal of Neuroscience</i> , 2004 , 19, 2410-20	3.5	51
155	Analgesic (omega)-conotoxins CVIE and CVIF selectively and voltage-dependently block recombinant and native N-type calcium channels. <i>Molecular Pharmacology</i> , 2010 , 77, 139-48	4.3	50
154	Effects of cyclization on stability, structure, and activity of E-conotoxin RgIA at the $\alpha 10$ nicotinic acetylcholine receptor and GABA(B) receptor. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 6984-92	8.3	49
153	Alpha-conotoxins PnIA and [A10L]PnIA stabilize different states of the alpha7-L247T nicotinic acetylcholine receptor. <i>Journal of Biological Chemistry</i> , 2003 , 278, 26908-14	5.4	49
152	Monovalent and divalent cation permeability and block of neuronal nicotinic receptor channels in rat parasympathetic ganglia. <i>Journal of General Physiology</i> , 1995 , 105, 701-23	3.4	49
151	Resting membrane potential and potassium currents in cultured parasympathetic neurones from rat intracardiac ganglia. <i>Journal of Physiology</i> , 1992 , 456, 405-24	3.9	49
150	Isolation, characterization and total regioselective synthesis of the novel D-conotoxin MfVIA from <i>Conus magnificus</i> that targets voltage-gated sodium channels. <i>Biochemical Pharmacology</i> , 2012 , 84, 540-8	6	48
149	Conotoxins targeting neuronal voltage-gated sodium channel subtypes: potential analgesics?. <i>Toxins</i> , 2012 , 4, 1236-60	4.9	48
148	Cyclic-RGDfK peptide conjugated succinoyl-TPGS nanomicelles for targeted delivery of docetaxel to integrin receptor over-expressing angiogenic tumours. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 1511-20	6	47
147	Dicarba analogues of E-conotoxin RgIA. Structure, stability, and activity at potential pain targets. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 9933-44	8.3	47
146	Intrathecal E-conotoxins Vc1.1, AulB and MII acting on distinct nicotinic receptor subtypes reverse signs of neuropathic pain. <i>Neuropharmacology</i> , 2012 , 62, 2202-7	5.5	47
145	Conotoxin modulation of voltage-gated sodium channels. <i>International Journal of Biochemistry and Cell Biology</i> , 2008 , 40, 2363-8	5.6	47
144	NEDD4-2 as a potential candidate susceptibility gene for epileptic photosensitivity. <i>Genes, Brain and Behavior</i> , 2007 , 6, 750-5	3.6	46
143	Structure-Activity Studies of Cysteine-Rich E-Conotoxins that Inhibit High-Voltage-Activated Calcium Channels via GABA(B) Receptor Activation Reveal a Minimal Functional Motif. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 4692-6	16.4	46

142	Allosteric alpha 1-adrenoreceptor antagonism by the conopeptide rho-TIA. <i>Journal of Biological Chemistry</i> , 2003 , 278, 34451-7	5.4	45
141	β Aminobutyric acid type B (GABAB) receptor expression is needed for inhibition of N-type (Cav2.2) calcium channels by analgesic β conotoxins. <i>Journal of Biological Chemistry</i> , 2012 , 287, 23948-57	5.4	44
140	VIP and PACAP potentiation of nicotinic ACh-evoked currents in rat parasympathetic neurons is mediated by G-protein activation. <i>European Journal of Neuroscience</i> , 2000 , 12, 2243-51	3.5	43
139	Ionic channels in vascular endothelial cells. <i>Trends in Cardiovascular Medicine</i> , 1994 , 4, 18-26	6.9	43
138	Isolation and characterization of β conotoxin LsIA with potent activity at nicotinic acetylcholine receptors. <i>Biochemical Pharmacology</i> , 2013 , 86, 791-9	6	42
137	WT1 interacts with the splicing protein RBM4 and regulates its ability to modulate alternative splicing in vivo. <i>Experimental Cell Research</i> , 2006 , 312, 3379-88	4.2	42
136	Potassium channels and membrane potential in the modulation of intracellular calcium in vascular endothelial cells. <i>Journal of Cardiovascular Electrophysiology</i> , 2004 , 15, 598-610	2.7	42
135	Chemical engineering and structural and pharmacological characterization of the β scorpion toxin OD1. <i>ACS Chemical Biology</i> , 2013 , 8, 1215-22	4.9	41
134	Neuronal voltage-gated sodium channel subtypes: key roles in inflammatory and neuropathic pain. <i>International Journal of Biochemistry and Cell Biology</i> , 2006 , 38, 2005-10	5.6	41
133	Calcium permeability and modulation of nicotinic acetylcholine receptor-channels in rat parasympathetic neurons. <i>Journal of Physiology (Paris)</i> , 1992 , 86, 67-76		41
132	RegIIA: an ω /7-conotoxin from the venom of <i>Conus regius</i> that potently blocks $\beta\beta$ nAChRs. <i>Biochemical Pharmacology</i> , 2012 , 83, 419-26	6	40
131	Identifying key amino acid residues that affect β conotoxin AuIB inhibition of $\beta\beta$ nicotinic acetylcholine receptors. <i>Journal of Biological Chemistry</i> , 2013 , 288, 34428-42	5.4	40
130	Ciguatoxin (CTX-1) modulates single tetrodotoxin-sensitive sodium channels in rat parasympathetic neurones. <i>Neuroscience Letters</i> , 1998 , 252, 103-6	3.3	40
129	Purinergic receptor activation inhibits mitogen-stimulated proliferation in primary neurospheres from the adult mouse subventricular zone. <i>Molecular and Cellular Neurosciences</i> , 2007 , 35, 535-48	4.8	38
128	Differential Cav2.1 and Cav2.3 channel inhibition by baclofen and β conotoxin Vc1.1 via GABAB receptor activation. <i>Journal of General Physiology</i> , 2014 , 143, 465-79	3.4	36
127	Chemical synthesis and folding of APETx2, a potent and selective inhibitor of acid sensing ion channel 3. <i>Toxicon</i> , 2009 , 54, 56-61	2.8	36
126	Neuronally micro-conotoxins from <i>Conus striatus</i> utilize an alpha-helical motif to target mammalian sodium channels. <i>Journal of Biological Chemistry</i> , 2008 , 283, 21621-8	5.4	36
125	Ionic selectivity of native ATP-activated (P2X) receptor channels in dissociated neurones from rat parasympathetic ganglia. <i>Journal of Physiology</i> , 2001 , 534, 423-35	3.9	36

124	Less is More: Design of a Highly Stable Disulfide-Deleted Mutant of Analgesic Cyclic β -Conotoxin Vc1.1. <i>Scientific Reports</i> , 2015 , 5, 13264	4.9	35
123	Structure of alpha-conotoxin Bu1A: influences of disulfide connectivity on structural dynamics. <i>BMC Structural Biology</i> , 2007 , 7, 28	2.7	35
122	Voltage-dependent sodium and calcium currents in cultured parasympathetic neurones from rat intracardiac ganglia. <i>Journal of Physiology</i> , 1992 , 456, 425-41	3.9	35
121	Stabilization of β -conotoxin Au1B: influences of disulfide connectivity and backbone cyclization. <i>Antioxidants and Redox Signaling</i> , 2011 , 14, 87-95	8.4	34
120	Inhibition of neuronal nicotinic acetylcholine receptor subtypes by alpha-Conotoxin G1D and analogues. <i>Journal of Biological Chemistry</i> , 2009 , 284, 4944-51	5.4	34
119	Divalent ion currents and the delayed potassium conductance in an <i>Aplysia</i> neurone. <i>Journal of Physiology</i> , 1980 , 304, 297-313	3.9	34
118	Novel mechanism of voltage-gated N-type (Cav2.2) calcium channel inhibition revealed through β -conotoxin Vc1.1 activation of the GABA(B) receptor. <i>Molecular Pharmacology</i> , 2015 , 87, 240-50	4.3	33
117	Physiological roles of ion channels in adult neural stem cells and their progeny. <i>Journal of Neurochemistry</i> , 2010 , 114, 946-59	6	33
116	Structure and activity of alpha-conotoxin Pe1A at nicotinic acetylcholine receptor subtypes and GABA(B) receptor-coupled N-type calcium channels. <i>Journal of Biological Chemistry</i> , 2011 , 286, 10233-7	5.4	33
115	Overexpressed Ca(v)beta3 inhibits N-type (Cav2.2) calcium channel currents through a hyperpolarizing shift of ultra-slow and closed-state inactivation. <i>Journal of General Physiology</i> , 2004 , 123, 401-16	3.4	33
114	Selective modulation of neuronal nicotinic acetylcholine receptor channel subunits by Go-protein subunits. <i>Journal of Neuroscience</i> , 2005 , 25, 3571-7	6.6	33
113	Cyclic RGDfK Peptide Functionalized Polymeric Nanocarriers for Targeting Gemcitabine to Ovarian Cancer Cells. <i>Molecular Pharmaceutics</i> , 2016 , 13, 1491-500	5.6	32
112	Local anaesthetic blockade of neuronal nicotinic ACh receptor-channels in rat parasympathetic ganglion cells. <i>British Journal of Pharmacology</i> , 1994 , 111, 663-72	8.6	32
111	Alanine scan of β -conotoxin Reg1IA reveals a selective β 4 nicotinic acetylcholine receptor antagonist. <i>Journal of Biological Chemistry</i> , 2015 , 290, 1039-48	5.4	31
110	Ciguatoxin-induced oscillations in membrane potential and action potential firing in rat parasympathetic neurons. <i>European Journal of Neuroscience</i> , 2002 , 16, 242-8	3.5	30
109	Purification of immature neuronal cells from neural stem cell progeny. <i>PLoS ONE</i> , 2011 , 6, e20941	3.7	30
108	M4 muscarinic receptor activation modulates calcium channel currents in rat intracardiac neurons. <i>Journal of Neurophysiology</i> , 1997 , 78, 1903-12	3.2	29
107	β -Conotoxin dendrimers have enhanced potency and selectivity for homomeric nicotinic acetylcholine receptors. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3209-12	16.4	28

106	Bombesin-conjugated nanoparticles improve the cytotoxic efficacy of docetaxel against gastrin-releasing but androgen-independent prostate cancer. <i>Nanomedicine</i> , 2015 , 10, 2847-59	5.6	28
105	Biomedical applications of trastuzumab: as a therapeutic agent and a targeting ligand. <i>Medicinal Research Reviews</i> , 2015 , 35, 849-76	14.4	28
104	The three-dimensional structure of the analgesic alpha-conotoxin, Rg1A. <i>FEBS Letters</i> , 2008 , 582, 597-603.	3.8	28
103	Molecular engineering of conotoxins: the importance of loop size to alpha-conotoxin structure and function. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 5575-84	8.3	28
102	Voltage sensitivity of inhibitory postsynaptic current in <i>Aplysia</i> buccal ganglia. <i>Brain Research</i> , 1976 , 115, 506-11	3.7	28
101	Cyclic analogues of Conotoxin Vc1.1 inhibit colonic nociceptors and provide analgesia in a mouse model of chronic abdominal pain. <i>British Journal of Pharmacology</i> , 2018 , 175, 2384-2398	8.6	28
100	Regulation of voltage-gated ion channels in excitable cells by the ubiquitin ligases Nedd4 and Nedd4-2. <i>Channels</i> , 2011 , 5, 79-88	3	27
99	Adenosine triphosphate acts as both a competitive antagonist and a positive allosteric modulator at recombinant N-methyl-D-aspartate receptors. <i>Molecular Pharmacology</i> , 2004 , 65, 1386-96	4.3	27
98	Muscarinic and nicotinic ACh receptor activation differentially mobilize Ca ²⁺ in rat intracardiac ganglion neurons. <i>Journal of Neurophysiology</i> , 2003 , 90, 1956-64	3.2	27
97	Intravenous anaesthetics inhibit nicotinic acetylcholine receptor-mediated currents and Ca ²⁺ transients in rat intracardiac ganglion neurons. <i>British Journal of Pharmacology</i> , 2005 , 144, 98-107	8.6	27
96	Ethanol reduces excitatory postsynaptic current duration at a crustacean neuromuscular junction. <i>Nature</i> , 1977 , 266, 739-41	50.4	27
95	Embryonic toxin expression in the cone snail <i>Conus victoriae</i> : primed to kill or divergent function?. <i>Journal of Biological Chemistry</i> , 2011 , 286, 22546-57	5.4	26
94	Omega-conotoxin CV1B differentially inhibits native and recombinant N- and P/Q-type calcium channels. <i>European Journal of Neuroscience</i> , 2007 , 25, 435-44	3.5	26
93	Sodium and calcium gating currents in an <i>Aplysia</i> neurone. <i>Journal of Physiology</i> , 1979 , 291, 467-81	3.9	26
92	Conotoxin D-GeXXA utilizes a novel strategy to antagonize nicotinic acetylcholine receptors. <i>Scientific Reports</i> , 2015 , 5, 14261	4.9	25
91	omega-Conotoxin inhibition of excitatory synaptic transmission evoked by dorsal root stimulation in rat superficial dorsal horn. <i>Neuropharmacology</i> , 2008 , 55, 860-4	5.5	24
90	Large-conductance calcium-activated potassium channels in neonatal rat intracardiac ganglion neurons. <i>Pflugers Archiv European Journal of Physiology</i> , 2001 , 441, 629-38	4.6	24
89	Pre- and postsynaptic actions of ATP on neurotransmission in rat submandibular ganglia. <i>Neuroscience</i> , 2001 , 107, 283-91	3.9	24

88	Analgesic conopeptides targeting G protein-coupled receptors reduce excitability of sensory neurons. <i>Neuropharmacology</i> , 2017 , 127, 116-123	5.5	23
87	Regulation of the voltage-gated K(+) channels KCNQ2/3 and KCNQ3/5 by serum- and glucocorticoid-regulated kinase-1. <i>American Journal of Physiology - Cell Physiology</i> , 2008 , 295, C73-80	5.4	22
86	P2Y purinoceptor activation mobilizes intracellular Ca ²⁺ and induces a membrane current in rat intracardiac neurones. <i>Journal of Physiology</i> , 2000 , 526 Pt 2, 287-98	3.9	22
85	Structure-Activity Studies Reveal the Molecular Basis for GABA-Receptor Mediated Inhibition of High Voltage-Activated Calcium Channels by α -Conotoxin Vc1.1. <i>ACS Chemical Biology</i> , 2018 , 13, 1577-1587	4.9	22
84	Developmental changes in hyperpolarization-activated currents I(h) and I(K(IR)) in isolated rat intracardiac neurons. <i>Journal of Neurophysiology</i> , 2001 , 86, 312-20	3.2	21
83	TEA inhibits ACh-induced EDRF release: endothelial Ca(2+)-dependent K+ channels contribute to vascular tone. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1994 , 267, H1135-41	5.2	20
82	Store-Operated Ca Entry (SOCE) and Purinergic Receptor-Mediated Ca Homeostasis in Murine bv2 Microglia Cells: Early Cellular Responses to ATP-Mediated Microglia Activation. <i>Frontiers in Molecular Neuroscience</i> , 2016 , 9, 111	6.1	20
81	A Distinct Functional Site in α -Neurotoxins: Novel Antagonists of Nicotinic Acetylcholine Receptors from Snake Venom. <i>ACS Chemical Biology</i> , 2015 , 10, 2805-15	4.9	19
80	Caffeine-evoked, calcium-sensitive membrane currents in rabbit aortic endothelial cells. <i>British Journal of Pharmacology</i> , 1995 , 115, 133-41	8.6	19
79	Contribution of membrane receptor signalling to chronic visceral pain. <i>International Journal of Biochemistry and Cell Biology</i> , 2018 , 98, 10-23	5.6	18
78	Distinct activities of novel neurotoxins from Australian venomous snakes for nicotinic acetylcholine receptors. <i>Cellular and Molecular Life Sciences</i> , 2007 , 64, 2829-40	10.3	18
77	Funnel web spider venom produces spontaneous action potentials in nerve. <i>Life Sciences</i> , 1977 , 20, 243-498	4.8	18
76	Molecular Determinants Conferring the Stoichiometric-Dependent Activity of α -Conotoxins at the Human α 10 Nicotinic Acetylcholine Receptor Subtype. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 4628-4634	8.3	17
75	Bombesin receptors as potential targets for anticancer drug delivery and imaging. <i>International Journal of Biochemistry and Cell Biology</i> , 2019 , 114, 105567	5.6	17
74	Hydrophobic residues at position 10 of α -conotoxin PnIA influence subtype selectivity between α 7 and α 8 neuronal nicotinic acetylcholine receptors. <i>Biochemical Pharmacology</i> , 2014 , 91, 534-42	6	17
73	Reactive oxygen species modulate neuronal excitability in rat intrinsic cardiac ganglia. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2009 , 150, 45-52	2.4	17
72	NMDA receptor subunit-dependent modulation by conantokin-G and Ala7-conantokin-G. <i>Journal of Neurochemistry</i> , 2006 , 96, 283-91	6	17
71	Molecular Basis for Differential Sensitivity of α -Conotoxin RegIIA at Rat and Human Neuronal Nicotinic Acetylcholine Receptors. <i>Molecular Pharmacology</i> , 2015 , 88, 993-1001	4.3	16

70	A novel β -conopeptide Eu1.6 inhibits N-type (Ca _v 2.2) calcium channels and exhibits potent analgesic activity. <i>Scientific Reports</i> , 2018 , 8, 1004	4.9	16
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7	Analgesic α -conotoxins modulate GIRK1/2 channels via GABA receptor activation and reduce neuroexcitability	1	1
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