David J. Adams

List of Publications by Year
in descending order

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222 papers	10,832 citations	26567 56 h-index	45213 90 g-index
229 all docs	229 docs citations	229 times ranked	7546 citing authors

#	Article	IF	Citations
1	Trends in peptide drug discovery. Nature Reviews Drug Discovery, 2021, 20, 309-325.	21.5	792
2	Ionic Currents in Molluscan Soma. Annual Review of Neuroscience, 1980, 3, 141-167.	5.0	310
3	The Engineering of an Orally Active Conotoxin for the Treatment of Neuropathic Pain. Angewandte Chemie - International Edition, 2010, 49, 6545-6548.	7.2	280
4	Two new classes of conopeptides inhibit the Î±1-adrenoceptor and noradrenaline transporter. Nature Neuroscience, 2001, 4, 902-907.	7.1	233
5	Engineering stable peptide toxins by means of backbone cyclization: Stabilization of the Â-conotoxin MII. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13767-13772.	3.3	220
6	Novel Ï‰-Conotoxins from Conus catus Discriminate among Neuronal Calcium Channel Subtypes. Journal of Biological Chemistry, 2000, 275, 35335-35344.	1.6	199
7	ÂO-conotoxin MrVIB selectively blocks Nav1.8 sensory neuron specific sodium channels and chronic pain behavior without motor deficits. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17030-17035.	3.3	184
8	Calcium entry through receptor-operated channels in bovine pulmonary artery endothelial cells. Tissue and Cell, 1987, 19, 733-745.	1.0	174
9	Î±-Selenoconotoxins, a New Class of Potent Î±7 Neuronal Nicotinic Receptor Antagonists. Journal of Biological Chemistry, 2006, 281, 14136-14143.	1.6	171
10	Regulation of Neuronal Voltage-gated Sodium Channels by the Ubiquitin-Protein Ligases Nedd4 and Nedd4-2. Journal of Biological Chemistry, 2004, 279, 28930-28935.	1.6	138
11	Trastuzumab-grafted PAMAM dendrimers for the selective delivery of anticancer drugs to HER2-positive breast cancer. Scientific Reports, 2016, 6, 23179.	1.6	133
12	Isolation, Structure, and Activity of GID, a Novel Î±4/7-Conotoxin with an Extended N-terminal Sequence. Journal of Biological Chemistry, 2003, 278, 3137-3144.	1.6	129
13	The Doublecortin-Expressing Population in the Developing and Adult Brain Contains Multipotential Precursors in Addition to Neuronal-Lineage Cells. Journal of Neuroscience, 2007, 27, 3734-3742.	1.7	129
14	Solving the Î±-Conotoxin Folding Problem: Efficient Selenium-Directed On-Resin Generation of More Potent and Stable Nicotinic Acetylcholine Receptor Antagonists. Journal of the American Chemical Society, 2010, 132, 3514-3522.	6.6	124
15	The Synthesis, Structural Characterization, and Receptor Specificity of the Î±-Conotoxin Vc1.1. Journal of Biological Chemistry, 2006, 281, 23254-23263.	1.6	122
16	Auxiliary subunit regulation of high-voltage activated calcium channels expressed in mammalian cells. European Journal of Neuroscience, 2004, 20, 1-13.	1.2	117
17	Acetylcholineâ€evoked currents in cultured neurones dissociated from rat parasympathetic cardiac ganglia.. Journal of Physiology, 1991, 434, 215-237.	1.3	114
18	A New Level of Conotoxin Diversity, a Non-native Disulfide Bond Connectivity in Î±-Conotoxin AuIB Reduces Structural Definition but Increases Biological Activity. Journal of Biological Chemistry, 2002, 277, 48849-48857.	1.6	114

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19	Calciumâ€activated potassium channels in native endothelial cells from rabbit aorta: conductance, Ca2+ sensitivity and block.. Journal of Physiology, 1992, 455, 601-621.	1.3	111
20	The relationship of brevetoxin â€˜lengthâ€™ and A-ring functionality to binding and activity in neuronal sodium channels. Chemistry and Biology, 1995, 2, 533-541.	6.2	106
21	Are Î±9Î±10 Nicotinic Acetylcholine Receptors a Pain Target for Î±-Conotoxins?. Molecular Pharmacology, 2007, 72, 1406-1410.	1.0	106
22	Î±-Conotoxin EpI, a Novel Sulfated Peptide from Conus episcopatusThat Selectively Targets Neuronal Nicotinic Acetylcholine Receptors. Journal of Biological Chemistry, 1998, 273, 15667-15674.	1.6	103
23	Conotoxins and their potential pharmaceutical applications. , 1999, 46, 219-234.		97
24	Characteristics of sodium and calcium conductance changes produced by membrane depolarization in an Aplysia neurone.. Journal of Physiology, 1979, 289, 143-161.	1.3	93
25	Chemical Modification of Conotoxins to Improve Stability and Activity. ACS Chemical Biology, 2007, 2, 457-468.	1.6	93
26	Bradykinin and inositol 1,4,5-trisphosphate-stimulated calcium release from intracellular stores in cultured bovine endothelial cells. Pflugers Archiv European Journal of Physiology, 1989, 414, 377-384.	1.3	92
27	Total Synthesis of the Analgesic Conotoxin MrVIB through Selenocysteineâ€Assisted Folding. Angewandte Chemie - International Edition, 2011, 50, 6527-6529.	7.2	88
28	Inhibitors of calcium buffering depress evoked transmitter release at the squid giant synapse.. Journal of Physiology, 1985, 369, 145-159.	1.3	85
29	Ï‰-Conotoxin CVID Inhibits a Pharmacologically Distinct Voltage-sensitive Calcium Channel Associated with Transmitter Release from Preganglionic Nerve Terminals. Journal of Biological Chemistry, 2003, 278, 4057-4062.	1.6	85
30	Determination of the Î±-Conotoxin Vc1.1 Binding Site on the Î±9Î±10 Nicotinic Acetylcholine Receptor. Journal of Medicinal Chemistry, 2013, 56, 3557-3567.	2.9	84
31	Regulation of the Voltage-gated K+ Channels KCNQ2/3 and KCNQ3/5 by Ubiquitination. Journal of Biological Chemistry, 2007, 282, 12135-12142.	1.6	82
32	Ionic currents in response to membrane depolarization in an Aplysia neurone.. Journal of Physiology, 1979, 289, 115-141.	1.3	81
33	Structures of Î¼O-conotoxins from Conus marmoreus. Journal of Biological Chemistry, 2004, 279, 25774-25782.	1.6	80
34	Chemical and Functional Identification and Characterization of Novel Sulfated Î±-Conotoxins from the Cone SnailConusanemone. Journal of Medicinal Chemistry, 2004, 47, 1234-1241.	2.9	80
35	Tertiapin-Q Blocks Recombinant and Native Large Conductance K+ Channels in a Use-Dependent Manner. Journal of Pharmacology and Experimental Therapeutics, 2005, 314, 1353-1361.	1.3	80
36	Improving Efficacy, Oral Bioavailability, and Delivery of Paclitaxel Using Protein-Grafted Solid Lipid Nanoparticles. Molecular Pharmaceutics, 2016, 13, 3903-3912.	2.3	80

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37	Liposome reconstitution and modulation of recombinant N-methyl-D-aspartate receptor channels by membrane stretch. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1540-1545.	3.3	79
38	Scanning Mutagenesis of Î±-Conotoxin Vc1.1 Reveals Residues Crucial for Activity at the Î±9Î±10 Nicotinic Acetylcholine Receptor. Journal of Biological Chemistry, 2009, 284, 20275-20284.	1.6	78
39	A novel mechanism of inhibition of high-voltage activated calcium channels by Î±-conotoxins contributes to relief of nerve injury-induced neuropathic pain. Pain, 2011, 152, 259-266.	2.0	77
40	Mechanisms of conotoxin inhibition of N-type (Cav2.2) calcium channels. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1619-1628.	1.4	77
41	Î±-Conotoxin Vc1.1 inhibits human dorsal root ganglion neuroexcitability and mouse colonic nociception via GABA_Breceptors. Gut, 2017, 66, 1083-1094.	6.1	77
42	Analgesic Î±-conotoxins Vc1.1 and Rg1A inhibit N-type calcium channels in sensory neurons of Î±9 nicotinic receptor knockout mice. Channels, 2010, 4, 51-54.	1.5	75
43	The Î±2Î´ Auxiliary Subunit Reduces Affinity of Ï‰-Conotoxins for Recombinant N-type (Cav2.2) Calcium Channels. Journal of Biological Chemistry, 2004, 279, 34705-34714.	1.6	74
44	Solution Structure of Î¼-Conotoxin PIIIA, a Preferential Inhibitor of Persistent Tetrodotoxin-sensitive Sodium Channels. Journal of Biological Chemistry, 2002, 277, 27247-27255.	1.6	72
45	Analgesic conotoxins: block and G proteinâ€coupled receptor modulation of Nâ€type (Ca_V2.2) calcium channels. British Journal of Pharmacology, 2012, 166, 486-500.	2.7	72
46	Are nicotinic acetylcholine receptors coupled to G proteins?. BioEssays, 2013, 35, 1025-1034.	1.2	72
47	Single Amino Acid Substitutions in Î±-Conotoxin PnIA Shift Selectivity for Subtypes of the Mammalian Neuronal Nicotinic Acetylcholine Receptor. Journal of Biological Chemistry, 1999, 274, 36559-36564.	1.6	71
48	Identification of a Novel Class of Nicotinic Receptor Antagonists. Journal of Biological Chemistry, 2006, 281, 24745-24755.	1.6	70
49	An ATP-sensitive potassium conductance in rabbit arterial endothelial cells.. Journal of Physiology, 1995, 485, 595-606.	1.3	69
50	Synthesis, Structure Elucidation, in Vitro Biological Activity, Toxicity, and Caco-2 Cell Permeability of Lipophilic Analogues of Î±-Conotoxin MII. Journal of Medicinal Chemistry, 2003, 46, 1266-1272.	2.9	69
51	Î±-Conotoxin AuIB Isomers Exhibit Distinct Inhibitory Mechanisms and Differential Sensitivity to Stoichiometry of Î±3Î²4 Nicotinic Acetylcholine Receptors. Journal of Biological Chemistry, 2010, 285, 22254-22263.	1.6	69
52	ZNF265â€"a novel spliceosomal protein able to induce alternative splicing. Journal of Cell Biology, 2001, 154, 25-32.	2.3	64
53	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
54	Isolation and Structure-Activity of Î¼-Conotoxin TIIIA, A Potent Inhibitor of Tetrodotoxin-Sensitive Voltage-Gated Sodium Channels. Molecular Pharmacology, 2007, 71, 676-685.	1.0	63

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55	Kir and Kv channels regulate electrical properties and proliferation of adult neural precursor cells. Molecular and Cellular Neurosciences, 2008, 37, 284-297.	1.0	61
56	Inhibition of the Norepinephrine Transporter by the Venom Peptide Ï‡-MrIA. Journal of Biological Chemistry, 2003, 278, 40317-40323.	1.6	60
57	Effects of Cyclization on Stability, Structure, and Activity of Î±-Conotoxin RgIA at the Î±9Î±10 Nicotinic Acetylcholine Receptor and GABABReceptor. Journal of Medicinal Chemistry, 2011, 54, 6984-6992.	2.9	59
58	Analgesic Ï‰-Conotoxins CVIE and CVIF Selectively and Voltage-Dependently Block Recombinant and Native N-Type Calcium Channels. Molecular Pharmacology, 2010, 77, 139-148.	1.0	57
59	Resting membrane potential and potassium currents in cultured parasympathetic neurones from rat intracardiac ganglia.. Journal of Physiology, 1992, 456, 405-424.	1.3	56
60	Î±-Conotoxins PnIA and [A10L]PnIA Stabilize Different States of the Î±7-L247T Nicotinic Acetylcholine Receptor. Journal of Biological Chemistry, 2003, 278, 26908-26914.	1.6	56
61	Functional maturation of isolated neural progenitor cells from the adult rat hippocampus. European Journal of Neuroscience, 2004, 19, 2410-2420.	1.2	56
62	NEDD4-2as a potential candidate susceptibility gene for epileptic photosensitivity. Genes, Brain and Behavior, 2007, 6, 750-755.	1.1	56
63	Dicarba Analogues of Î±-Conotoxin RgIA. Structure, Stability, and Activity at Potential Pain Targets. Journal of Medicinal Chemistry, 2014, 57, 9933-9944.	2.9	56
64	Allosteric Î±1-Adrenoreceptor Antagonism by the Conopeptide Ï•TIA. Journal of Biological Chemistry, 2003, 278, 34451-34457.	1.6	54
65	Intrathecal Î±-conotoxins Vc1.1, AuIB and MII acting on distinct nicotinic receptor subtypes reverse signs of neuropathic pain. Neuropharmacology, 2012, 62, 2202-2207.	2.0	54
66	Isolation, characterization and total regioselective synthesis of the novel Î¼O-conotoxin MfVIA from Conus magnificus that targets voltage-gated sodium channels. Biochemical Pharmacology, 2012, 84, 540-548.	2.0	54
67	Structureâ€“Activity Studies of Cysteineâ€Rich Îµâ€Conotoxins that Inhibit Highâ€Voltageâ€Activated Calcium Channels via GABA_B Receptor Activation Reveal a Minimal Functional Motif. Angewandte Chemie - International Edition, 2016, 55, 4692-4696.	7.2	54
68	Conotoxin modulation of voltage-gated sodium channels. International Journal of Biochemistry and Cell Biology, 2008, 40, 2363-2368.	1.2	52
69	Conotoxins Targeting Neuronal Voltage-Gated Sodium Channel Subtypes: Potential Analgesics?. Toxins, 2012, 4, 1236-1260.	1.5	52
70	Isolation and characterization of Î±-conotoxin LsIA with potent activity at nicotinic acetylcholine receptors. Biochemical Pharmacology, 2013, 86, 791-799.	2.0	51
71	Cyclic-RGDfK peptide conjugated succinoyl-TPGS nanomicelles for targeted delivery of docetaxel to integrin receptor over-expressing angiogenic tumours. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1511-1520.	1.7	51
72	Ionic channels in vascular endothelial cells. Trends in Cardiovascular Medicine, 1994, 4, 18-26.	2.3	50

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73	Chemical Engineering and Structural and Pharmacological Characterization of the Î±-Scorpion Toxin OD1. ACS Chemical Biology, 2013, 8, 1215-1222.	1.6	50
74	Monovalent and divalent cation permeability and block of neuronal nicotinic receptor channels in rat parasympathetic ganglia.. Journal of General Physiology, 1995, 105, 701-723.	0.9	49
75	Neuronal voltage-gated sodium channel subtypes: Key roles in inflammatory and neuropathic pain. International Journal of Biochemistry and Cell Biology, 2006, 38, 2005-2010.	1.2	49
76	Î³-Aminobutyric Acid Type B (GABAB) Receptor Expression Is Needed for Inhibition of N-type (Cav2.2) Calcium Channels by Analgesic Î±-Conotoxins. Journal of Biological Chemistry, 2012, 287, 23948-23957.	1.6	49
77	RegIIA: An Î±4/7-conotoxin from the venom of Conus regius that potently blocks Î±3Î²4 nAChRs. Biochemical Pharmacology, 2012, 83, 419-426.	2.0	49
78	VIP and PACAP potentiation of nicotinic ACh-evoked currents in rat parasympathetic neurons is mediated by G-protein activation. European Journal of Neuroscience, 2000, 12, 2243-2251.	1.2	46
79	Potassium Channels and Membrane Potential in the Modulation of Intracellular Calcium in Vascular Endothelial Cells. Journal of Cardiovascular Electrophysiology, 2004, 15, 598-610.	0.8	46
80	Structure of Î±-conotoxin BuIA: influences of disulfide connectivity on structural dynamics. BMC Structural Biology, 2007, 7, 28.	2.3	46
81	Calcium permeability and modulation of nicotinic acetylcholine receptor-channels in rat parasympathetic neurons. Journal of Physiology (Paris), 1992, 86, 67-76.	2.1	45
82	Ciguatoxin (CTX-1) modulates single tetrodotoxin-sensitive sodium channels in rat parasympathetic neurones. Neuroscience Letters, 1998, 252, 103-106.	1.0	45
83	WT1 interacts with the splicing protein RBM4 and regulates its ability to modulate alternative splicing in vivo. Experimental Cell Research, 2006, 312, 3379-3388.	1.2	45
84	Cyclic RGDfK Peptide Functionalized Polymeric Nanocarriers for Targeting Gemcitabine to Ovarian Cancer Cells. Molecular Pharmaceutics, 2016, 13, 1491-1500.	2.3	44
85	Neuronally Selective Î¼-Conotoxins from Conus striatus Utilize an Î±-Helical Motif to Target Mammalian Sodium Channels. Journal of Biological Chemistry, 2008, 283, 21621-21628.	1.6	43
86	Stabilization of Î±-Conotoxin AuIB: Influences of Disulfide Connectivity and Backbone Cyclization. Antioxidants and Redox Signaling, 2011, 14, 87-95.	2.5	43
87	Structure and Activity of Î±-Conotoxin PeIA at Nicotinic Acetylcholine Receptor Subtypes and GABAB Receptor-coupled N-type Calcium Channels. Journal of Biological Chemistry, 2011, 286, 10233-10237.	1.6	43
88	Identifying Key Amino Acid Residues That Affect Î±-Conotoxin AuIB Inhibition of Î±3Î²4 Nicotinic Acetylcholine Receptors. Journal of Biological Chemistry, 2013, 288, 34428-34442.	1.6	43
89	Purinergic receptor activation inhibits mitogen-stimulated proliferation in primary neurospheres from the adult mouse subventricular zone. Molecular and Cellular Neurosciences, 2007, 35, 535-548.	1.0	42
90	Chemical synthesis and folding of APETx2, a potent and selective inhibitor of acid sensing ion channel 3. Toxicon, 2009, 54, 56-61.	0.8	42

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91	Less is More: Design of a Highly Stable Disulfide-Deleted Mutant of Analgesic Cyclic Î±-Conotoxin Vc1.1. Scientific Reports, 2015, 5, 13264.	1.6	42
92	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
93	Novel Mechanism of Voltage-Gated N-type (Cav2.2) Calcium Channel Inhibition Revealed through Î±-Conotoxin Vc1.1 Activation of the GABAB Receptor. Molecular Pharmacology, 2015, 87, 240-250.	1.0	40
94	Divalent ion currents and the delayed potassium conductance in an Aplysia neurone.. Journal of Physiology, 1980, 304, 297-313.	1.3	39
95	Ionic selectivity of native ATP-activated (P2X) receptor channels in dissociated neurones from rat parasympathetic ganglia. Journal of Physiology, 2001, 534, 423-435.	1.3	39
96	Voltageâ€dependent sodium and calcium currents in cultured parasympathetic neurones from rat intracardiac ganglia.. Journal of Physiology, 1992, 456, 425-441.	1.3	38
97	Inhibition of Neuronal Nicotinic Acetylcholine Receptor Subtypes by Î±-Conotoxin GID and Analogues*. Journal of Biological Chemistry, 2009, 284, 4944-4951.	1.6	38
98	Alanine Scan of Î±-Conotoxin RegIIA Reveals a Selective Î±3Î²4 Nicotinic Acetylcholine Receptor Antagonist. Journal of Biological Chemistry, 2015, 290, 1039-1048.	1.6	38
99	Physiological roles of ion channels in adult neural stem cells and their progeny. Journal of Neurochemistry, 2010, 114, 946-959.	2.1	37
100	Ciguatoxin-induced oscillations in membrane potential and action potential firing in rat parasympathetic neurons. European Journal of Neuroscience, 2002, 16, 242-248.	1.2	36
101	Intravenous anaesthetics inhibit nicotinic acetylcholine receptor-mediated currents and Ca2+ transients in rat intracardiac ganglion neurons. British Journal of Pharmacology, 2005, 144, 98-107.	2.7	36
102	Regulation of voltage-gated ion channels in excitable cells by the ubiquitin ligases Nedd4 and Nedd4-2. Channels, 2011, 5, 79-88.	1.5	36
103	Cyclic analogues of Î±â€conotoxin Vc1.1 inhibit colonic nociceptors and provide analgesia in a mouse model of chronic abdominal pain. British Journal of Pharmacology, 2018, 175, 2384-2398.	2.7	36
104	N-acetyl-d-glucosamine-conjugated PAMAM dendrimers as dual receptor-targeting nanocarriers for anticancer drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 154, 377-386.	2.0	36
105	Overexpressed CavÎ²3 Inhibits N-type (Cav2.2) Calcium Channel Currents through a Hyperpolarizing Shift of â€œUltra-slowâ€•and â€œClosed-stateâ€•Inactivation. Journal of General Physiology, 2004, 123, 401-416.	0.9	35
106	Purification of Immature Neuronal Cells from Neural Stem Cell Progeny. PLoS ONE, 2011, 6, e20941.	1.1	35
107	Local anaesthetic blockade of neuronal nicotinic ACh receptorâ€channels in rat parasympathetic ganglion cells. British Journal of Pharmacology, 1994, 111, 663-672.	2.7	34
108	Selective Modulation of Neuronal Nicotinic Acetylcholine Receptor Channel Subunits by Go-Protein Subunits. Journal of Neuroscience, 2005, 25, 3571-3577.	1.7	34

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109	Bombesin-conjugated nanoparticles improve the cytotoxic efficacy of docetaxel against gastrin-releasing but androgen-independent prostate cancer. Nanomedicine, 2015, 10, 2847-2859.	1.7	33
110	Sodium and calcium gating currents in an Aplysia neurone.. Journal of Physiology, 1979, 291, 467-481.	1.3	32
111	Muscarinic and Nicotinic ACh Receptor Activation Differentially Mobilize Ca2+ in Rat Intracardiac Ganglion Neurons. Journal of Neurophysiology, 2003, 90, 1956-1964.	0.9	32
112	Î±-Conotoxin Dendrimers Have Enhanced Potency and Selectivity for Homomeric Nicotinic Acetylcholine Receptors. Journal of the American Chemical Society, 2015, 137, 3209-3212.	6.6	32
113	M₄ Muscarinic Receptor Activation Modulates Calcium Channel Currents in Rat Intracardiac Neurons. Journal of Neurophysiology, 1997, 78, 1903-1912.	0.9	31
114	The threeâ€dimensional structure of the analgesic Î±â€conotoxin, RgIA. FEBS Letters, 2008, 582, 597-602.	1.3	31
115	Embryonic Toxin Expression in the Cone Snail Conus victoriae. Journal of Biological Chemistry, 2011, 286, 22546-22557.	1.6	31
116	Conotoxin Î±D-GeXXA utilizes a novel strategy to antagonize nicotinic acetylcholine receptors. Scientific Reports, 2015, 5, 14261.	1.6	31
117	Biomedical Applications of Trastuzumab: As a Therapeutic Agent and a Targeting Ligand. Medicinal Research Reviews, 2015, 35, 849-876.	5.0	31
118	Store-Operated Ca2+ Entry (SOCE) and Purinergic Receptor-Mediated Ca2+ Homeostasis in Murine bv2 Microglia Cells: Early Cellular Responses to ATP-Mediated Microglia Activation. Frontiers in Molecular Neuroscience, 2016, 9, 111.	1.4	31
119	Voltage sensitivity of inhibitory postsynaptic currents inAplysia buccal ganglia. Brain Research, 1976, 115, 506-511.	1.1	30
120	Molecular Engineering of Conotoxins: The Importance of Loop Size to Î±-Conotoxin Structure and Function. Journal of Medicinal Chemistry, 2008, 51, 5575-5584.	2.9	30
121	Analgesic conopeptides targeting G protein-coupled receptors reduce excitability of sensory neurons. Neuropharmacology, 2017, 127, 116-123.	2.0	30
122	Ethanol reduces excitatory postsynaptic current duration at a crustacean neuromuscular junction. Nature, 1977, 266, 739-741.	13.7	29
123	Contribution of membrane receptor signalling to chronic visceral pain. International Journal of Biochemistry and Cell Biology, 2018, 98, 10-23.	1.2	29
124	TEA inhibits ACh-induced EDRF release: endothelial Ca(2+)-dependent K+ channels contribute to vascular tone. American Journal of Physiology - Heart and Circulatory Physiology, 1994, 267, H1135-H1141.	1.5	28
125	Adenosine Triphosphate Acts as Both a Competitive Antagonist and a Positive Allosteric Modulator at Recombinant N-Methyl-D-aspartate Receptors. Molecular Pharmacology, 2004, 65, 1386-1396.	1.0	28
126	Structureâ€“Activity Studies Reveal the Molecular Basis for GABA_B-Receptor Mediated Inhibition of High Voltage-Activated Calcium Channels by Î±-Conotoxin Vc1.1. ACS Chemical Biology, 2018, 13, 1577-1587.	1.6	28

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127	?-Conotoxin CVIB differentially inhibits native and recombinant N- and P/Q-type calcium channels. European Journal of Neuroscience, 2007, 25, 435-444.	1.2	27
128	Medicinal chemistry, pharmacology, and therapeutic potential of Î±-conotoxins antagonizing the Î±9Î±10 nicotinic acetylcholine receptor. , 2021, 222, 107792.		27
129	Ï‰-Conotoxin inhibition of excitatory synaptic transmission evoked by dorsal root stimulation in rat superficial dorsal horn. Neuropharmacology, 2008, 55, 860-864.	2.0	26
130	Regulation of the voltage-gated K⁺ channels KCNQ2/3 and KCNQ3/5 by serum- and glucocorticoid-regulated kinase-1. American Journal of Physiology - Cell Physiology, 2008, 295, C73-C80.	2.1	26
131	Molecular Determinants Conferring the Stoichiometric-Dependent Activity of Î±-Conotoxins at the Human Î±9Î±10 Nicotinic Acetylcholine Receptor Subtype. Journal of Medicinal Chemistry, 2018, 61, 4628-4634.	2.9	26
132	Large-conductance calcium-activated potassium channels in neonatal rat intracardiac ganglion neurons. Pflugers Archiv European Journal of Physiology, 2001, 441, 629-638.	1.3	25
133	Bombesin receptors as potential targets for anticancer drug delivery and imaging. International Journal of Biochemistry and Cell Biology, 2019, 114, 105567.	1.2	25
134	Pre- and postsynaptic actions of ATP on neurotransmission in rat submandibular ganglia. Neuroscience, 2001, 107, 283-291.	1.1	24
135	A novel Î±-conopeptide Eu1.6 inhibits N-type (CaV2.2) calcium channels and exhibits potent analgesic activity. Scientific Reports, 2018, 8, 1004.	1.6	24
136	Caffeineâ€evoked, calciumâ€sensitive membrane currents in rabbit aortic endothelial cells. British Journal of Pharmacology, 1995, 115, 133-141.	2.7	23
137	P2Y purinoceptor activation mobilizes intracellular Ca 2+ and induces a membrane current in rat intracardiac neurones. Journal of Physiology, 2000, 526, 287-298.	1.3	23
138	An environmentally sustainable biomimetic production of cyclic disulfide-rich peptides. Green Chemistry, 2020, 22, 5002-5016.	4.6	23
139	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
140	Funnel web spider venom produces spontaneous action potentials in nerve. Life Sciences, 1977, 20, 243-249.	2.0	21
141	Developmental Changes in Hyperpolarization-Activated CurrentsI h and I K(IR) in Isolated Rat Intracardiac Neurons. Journal of Neurophysiology, 2001, 86, 312-320.	0.9	21
142	Reactive oxygen species modulate neuronal excitability in rat intrinsic cardiac ganglia. Autonomic Neuroscience: Basic and Clinical, 2009, 150, 45-52.	1.4	21
143	A Distinct Functional Site in Î©-Neurotoxins: Novel Antagonists of Nicotinic Acetylcholine Receptors from Snake Venom. ACS Chemical Biology, 2015, 10, 2805-2815.	1.6	21
144	Hydrophobic residues at position 10 of Î±-conotoxin PnIA influence subtype selectivity between Î±7 and Î±3Î²2 neuronal nicotinic acetylcholine receptors. Biochemical Pharmacology, 2014, 91, 534-542.	2.0	20

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145	Interaction of Synthetic Human SLURP-1 with the Nicotinic Acetylcholine Receptors. Scientific Reports, 2017, 7, 16606.	1.6	20
146	Î±â€Conotoxins active at Î±3â€containing nicotinic acetylcholine receptors and their molecular determinants for selective inhibition. British Journal of Pharmacology, 2018, 175, 1855-1868.	2.7	20
147	Distinct activities of novel neurotoxins from Australian venomous snakes for nicotinic acetylcholine receptors. Cellular and Molecular Life Sciences, 2007, 64, 2829-2840.	2.4	19
148	Isolation, synthesis and characterization of Ï‰-TRTX-Cc1a, a novel tarantula venom peptide that selectively targets L-type CaV channels. Biochemical Pharmacology, 2014, 89, 276-286.	2.0	19
149	Molecular Basis for Differential Sensitivity of Î±-Conotoxin RegIIA at Rat and Human Neuronal Nicotinic Acetylcholine Receptors. Molecular Pharmacology, 2015, 88, 993-1001.	1.0	19
150	Key Structural Determinants in the Agonist Binding Loops of Human Î²2 and Î²4 Nicotinic Acetylcholine Receptor Subunits Contribute to Î±3Î²4 Subtype Selectivity of Î±-Conotoxins. Journal of Biological Chemistry, 2016, 291, 23779-23792.	1.6	19
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