Richard J. Lewis

List of Publications by Year
in descending order

329 papers	17,869 citations	11651 70 h-index	21540 114 g-index
335 all docs	335 docs citations	335 times ranked	9116 citing authors

#	Article	IF	Citations
1	The Toxicogenomic Multiverse: Convergent Recruitment of Proteins Into Animal Venoms. Annual Review of Genomics and Human Genetics, 2009, 10, 483-511.	6.2	683
2	Therapeutic potential of venom peptides. Nature Reviews Drug Discovery, 2003, 2, 790-802.	46.4	678
3	Ciguatera: recent advances but the risk remains. International Journal of Food Microbiology, 2000, 61, 91-125.	4.7	381
4	Conus Venom Peptide Pharmacology. Pharmacological Reviews, 2012, 64, 259-298.	16.0	372
5	Purification and characterization of ciguatoxins from moray eel (Lycodontis javanicus, Muraenidae). Toxicon, 1991, 29, 1115-1127.	1.6	293
6	The changing face of ciguatera. Toxicon, 2001, 39, 97-106.	1.6	291
7	Evolution of separate predation- and defence-evoked venoms in carnivorous cone snails. Nature Communications, 2014, 5, 3521.	12.8	275
8	Discovery, Synthesis, and Structureâ€"Activity Relationships of Conotoxins. Chemical Reviews, 2014, 114, 5815-5847.	47.7	258
9	Two new classes of conopeptides inhibit the Î±1-adrenoceptor and noradrenaline transporter. Nature Neuroscience, 2001, 4, 902-907.	14.8	233
10	Detection of Sodium Channel Toxins: Directed Cytotoxicity Assays of Purified Ciguatoxins, Brevetoxins, Saxitoxins, and Seafood Extracts. Journal of AOAC INTERNATIONAL, 1995, 78, 521-527.	1.5	219
11	Role of voltage-gated calcium channels in ascending pain pathways. Brain Research Reviews, 2009, 60, 84-89.	9.0	215
12	Ciguatera in Australia: Occurrence, clinical features, pathophysiology and management. Medical Journal of Australia, 1986, 145, 584-590.	1.7	204
13	Isolation and Characterization of a Cone Snail Protease with Homology to CRISP Proteins of the Pathogenesis-related Protein Superfamily. Journal of Biological Chemistry, 2003, 278, 31105-31110.	3.4	202
14	Novel Ï‰-Conotoxins from Conus catus Discriminate among Neuronal Calcium Channel Subtypes. Journal of Biological Chemistry, 2000, 275, 35335-35344.	3.4	199
15	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.	7.1	184
16	Deep Venomics Reveals the Mechanism for Expanded Peptide Diversity in Cone Snail Venom. Molecular and Cellular Proteomics, 2013, 12, 312-329.	3.8	180
17	Structure of Caribbean Ciguatoxin Isolated fromCaranx latus. Journal of the American Chemical Society, 1998, 120, 5914-5920.	13.7	179
18	Conotoxins: Chemistry and Biology. Chemical Reviews, 2019, 119, 11510-11549.	47.7	174

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19	Venomics: a new paradigm for natural products-based drug discovery. Amino Acids, 2011, 40, 15-28.	2.7	172
20	AChBP-targeted Î±-conotoxin correlates distinct binding orientations with nAChR subtype selectivity. EMBO Journal, 2007, 26, 3858-3867.	7.8	159
21	Ichthyotoxicity of Chattonella marina (Raphidophyceae) to damselfish (Acanthochromis polycanthus): the synergistic role of reactive oxygen species and free fatty acids. Harmful Algae, 2003, 2, 273-281.	4.8	156
22	The novel N-type calcium channel blocker, AM336, produces potent dose-dependent antinociception after intrathecal dosing in rats and inhibits substance P release in rat spinal cord slices. Pain, 2002, 96, 119-127.	4.2	155
23	Remarkable inter- and intra-species complexity of conotoxins revealed by LC/MS. Peptides, 2009, 30, 1222-1227.	2.4	152
24	Isolation and characterisation of Caribbean ciguatoxins from the horse-eye jack (Caranx latus). Toxicon, 1997, 35, 889-900.	1.6	151
25	Use of Venom Peptides to Probe Ion Channel Structure and Function. Journal of Biological Chemistry, 2010, 285, 13315-13320.	3.4	144
26	An animal model of oxaliplatin-induced cold allodynia reveals a crucial role for Nav1.6 in peripheral pain pathways. Pain, 2013, 154, 1749-1757.	4.2	144
27	Strain dependent production of ciguatoxin precursors (gambiertoxins) by Gambierdiscus toxicus (Dinophyceae) in culture. Toxicon, 1991, 29, 761-775.	1.6	143
28	Ciguatera: Australian perspectives on a global problem. Toxicon, 2006, 48, 799-809.	1.6	134
29	Multifunctional Toxins in Snake Venoms and Therapeutic Implications: From Pain to Hemorrhage and Necrosis. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	134
30	Ciguatera Fish Poisoning in the Pacific Islands (1998 to 2008). PLoS Neglected Tropical Diseases, 2011, 5, e1416.	3.0	132
31	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.	3.4	129
32	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.	13.7	124
33	Selenoether oxytocin analogues have analgesic properties in a mouse model of chronic abdominal pain. Nature Communications, 2014, 5, 3165.	12.8	122
34	Isolation and characterisation of Indian Ocean ciguatoxin. Toxicon, 2002, 40, 685-693.	1.6	121
35	Origin and transfer of toxins involved in ciguatera. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1993, 106, 615-628.	0.5	120
36	Pharmacological characterisation of the highly NaV1.7 selective spider venom peptide Pn3a. Scientific Reports, 2017, 7, 40883.	3.3	120

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37	Auxiliary subunit regulation of high-voltage activated calcium channels expressed in mammalian cells. European Journal of Neuroscience, 2004, 20, 1-13.	2.6	117
38	Ciguatoxins: Cyclic Polyether Modulators of Voltage-gated Iion Channel Function. Marine Drugs, 2006, 4, 82-118.	4.6	115
39	Modulating Oxytocin Activity and Plasma Stability by Disulfide Bond Engineering. Journal of Medicinal Chemistry, 2010, 53, 8585-8596.	6.4	112
40	HPLC/Tandem Electrospray Mass Spectrometry for the Determination of Sub-ppb Levels of Pacific and Caribbean Ciguatoxins in Crude Extracts of Fish. Analytical Chemistry, 1999, 71, 247-250.	6.5	106
41	Ciguatera and mannitol: experience with a new treatment regimen. Medical Journal of Australia, 1989, 151, 77-80.	1.7	105
42	Î±-Conotoxin EpI, a Novel Sulfated Peptide from Conus episcopatusThat Selectively Targets Neuronal Nicotinic Acetylcholine Receptors. Journal of Biological Chemistry, 1998, 273, 15667-15674.	3.4	103
43	Ciguatoxins activate specific cold pain pathways to elicit burning pain from cooling. EMBO Journal, 2012, 31, 3795-3808.	7.8	103
44	alpha-Conotoxins as tools for the elucidation of structure and function of neuronal nicotinic acetylcholine receptor subtypes. FEBS Journal, 2004, 271, 2305-2319.	0.2	100
45	A Consensus Structure for Ï‰-Conotoxins with Different Selectivities for Voltage-sensitive Calcium Channel Subtypes: Comparison of MVIIA, SVIB and SNX-202. Journal of Molecular Biology, 1996, 263, 297-310.	4.2	97
46	Conotoxins and their potential pharmaceutical applications. Drug Development Research, 1999, 46, 219-234.	2.9	97
47	Multiple ciguatoxins present in Indian Ocean reef fish. Toxicon, 2002, 40, 1347-1353.	1.6	97
48	Therapeutic Potential of Cone Snail Venom Peptides (Conopeptides). Current Topics in Medicinal Chemistry, 2012, 12, 1546-1552.	2.1	96
49	Structure-activity relationships of ?-conotoxins at N-type voltage-sensitive calcium channels. , 2000, 13, 55-70.		95
50	Analgesic Effects of GpTx-1, PF-04856264 and CNV1014802 in a Mouse Model of NaV1.7-Mediated Pain. Toxins, 2016, 8, 78.	3.4	94
51	Characterization of endogenous calcium responses in neuronal cell lines. Biochemical Pharmacology, 2010, 79, 908-920.	4.4	90
52	Purification and characterisation of large and small maitotoxins from cultured gambierdiscus toxicus. Natural Toxins, 1994, 2, 64-72.	1.0	88
53	Solution structure and proposed binding mechanism of a novel potassium channel toxin Îº-conotoxin PVIIA. Structure, 1997, 5, 1585-1597.	3.3	88
54	Characterisation of multiple Caribbean ciguatoxins and congeners in individual specimens of horse-eye jack (Caranx latus) by high-performance liquid chromatography/mass spectrometry. Toxicon, 2002, 40, 929-939.	1.6	85

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55	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.	3.4	85
56	Toxicity of Australian and French Polynesian strains of Gambierdiscus Toxicus (Dinophyceae) grown in culture: Characterization of a new type of maitotoxin. Toxicon, 1990, 28, 1159-1172.	1.6	84
57	Cooliatoxin, the first toxin fromCoolia monotis (dinophyceae). Natural Toxins, 1995, 3, 355-362.	1.0	84
58	Identification of Caribbean ciguatoxins as the cause of an outbreak of fish poisoning among U.S. soldiers in Haiti. Toxicon, 1997, 35, 733-741.	1.6	84
59	Differential Evolution and Neofunctionalization of Snake Venom Metalloprotease Domains. Molecular and Cellular Proteomics, 2013, 12, 651-663.	3.8	83
60	Multiple ciguatoxins in the flesh of fish. Toxicon, 1992, 30, 915-919.	1.6	82
61	Î±-Conotoxin ImI Incorporating Stable Cystathionine Bridges Maintains Full Potency and Identical Three-Dimensional Structure. Journal of the American Chemical Society, 2011, 133, 15866-15869.	13.7	81
62	Structure-activity relationships of Ï‰-conotoxins MVIIA, MVIIC and 14 loop splice hybrids at N and P/Q-type calcium channels 1 1Edited by P. E. Wright. Journal of Molecular Biology, 1999, 289, 1405-1421.	4.2	80
63	Structures of Î¼O-conotoxins from Conus marmoreus. Journal of Biological Chemistry, 2004, 279, 25774-25782.	3.4	80
64	Chemical and Functional Identification and Characterization of Novel Sulfated Î±-Conotoxins from the Cone SnailConusanemone. Journal of Medicinal Chemistry, 2004, 47, 1234-1241.	6.4	80
65	Ciguatoxins are potent ichthyotoxins. Toxicon, 1992, 30, 207-211.	1.6	78
66	Anti-allodynic efficacy of the Ï‡-conopeptide, Xen2174, in rats with neuropathic pain. Pain, 2005, 118, 112-124.	4.2	78
67	Conopressin-T from Conus tulipa Reveals an Antagonist Switch in Vasopressin-like Peptides. Journal of Biological Chemistry, 2008, 283, 7100-7108.	3.4	76
68	Block of voltage-gated potassium channels by Pacific ciguatoxin-1 contributes to increased neuronal excitability in rat sensory neurons. Toxicology and Applied Pharmacology, 2005, 204, 175-186.	2.8	75
69	Rapid extraction combined with LC-tandem mass spectrometry (CREM-LC/MS/MS) for the determination of ciguatoxins in ciguateric fish flesh. Toxicon, 2009, 54, 62-66.	1.6	75
70	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.	3.4	74
71	Seven novel modulators of the analgesic target <scp>Na_V</scp>1.7 uncovered using a highâ€throughput venomâ€based discovery approach. British Journal of Pharmacology, 2015, 172, 2445-2458.	5.4	74
72	Solution Structure of Î¼-Conotoxin PIIIA, a Preferential Inhibitor of Persistent Tetrodotoxin-sensitive Sodium Channels. Journal of Biological Chemistry, 2002, 277, 27247-27255.	3.4	72

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73	Cone snail venomics: from novel biology to novel therapeutics. Future Medicinal Chemistry, 2014, 6, 1659-1675.	2.3	72
74	Identification and Characterization of ProTx-III [<i>Î¼</i>-TRTX-Tp1a], a New Voltage-Gated Sodium Channel Inhibitor from Venom of the Tarantula <i>Thrixopelma pruriens</i>. Molecular Pharmacology, 2015, 88, 291-303.	2.3	72
75	Sodium channels and pain: from toxins to therapies. British Journal of Pharmacology, 2018, 175, 2138-2157.	5.4	72
76	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.	3.4	71
77	Human fatality associated with Pacific ciguatoxin contaminated fish. Toxicon, 2010, 56, 668-673.	1.6	71
78	Determination of the Solution Structures of Conantokin-G and Conantokin-T by CD and NMR Spectroscopy. Journal of Biological Chemistry, 1997, 272, 2291-2299.	3.4	70
79	Identification of a Novel Class of Nicotinic Receptor Antagonists. Journal of Biological Chemistry, 2006, 281, 24745-24755.	3.4	70
80	Ï‡-Conopeptide Pharmacophore Development: Toward a Novel Class of Norepinephrine Transporter Inhibitor (Xen2174) for Pain. Journal of Medicinal Chemistry, 2009, 52, 6991-7002.	6.4	70
81	Transcriptomic Messiness in the Venom Duct of Conus miles Contributes to Conotoxin Diversity. Molecular and Cellular Proteomics, 2013, 12, 3824-3833.	3.8	70
82	Characterization of ciguatoxins and ciguatoxin congeners present in ciguateric fish by gradient reverse-phase high-performance liquid chromatography/mass spectrometry. Toxicon, 1997, 35, 159-168.	1.6	69
83	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.	6.4	69
84	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.	3.4	69
85	Î²2 Subunit Contribution to 4/7 Î±-Conotoxin Binding to the Nicotinic Acetylcholine Receptor. Journal of Biological Chemistry, 2005, 280, 30460-30468.	3.4	67
86	Multiple sodium channel isoforms mediate the pathological effects of Pacific ciguatoxin-1. Scientific Reports, 2017, 7, 42810.	3.3	67
87	Differential actions of pacific ciguatoxin-1 on sodium channel subtypes in mammalian sensory neurons. Journal of Pharmacology and Experimental Therapeutics, 1999, 288, 379-88.	2.5	67
88	High-Threshold Mechanosensitive Ion Channels Blocked by a Novel Conopeptide Mediate Pressure-Evoked Pain. PLoS ONE, 2007, 2, e515.	2.5	66
89	Characterisation of Nav types endogenously expressed in human SH-SY5Y neuroblastoma cells. Biochemical Pharmacology, 2012, 83, 1562-1571.	4.4	64
90	Lonspray mass spectrometry of ciguatoxin-1, maitotoxin-2 and -3, and related marine polyether toxins. Natural Toxins, 1994, 2, 56-63.	1.0	63

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91	Isolation and Structure-Activity of Î¼-Conotoxin TIIIA, A Potent Inhibitor of Tetrodotoxin-Sensitive Voltage-Gated Sodium Channels. Molecular Pharmacology, 2007, 71, 676-685.	2.3	63
92	Comparative Venomics Reveals the Complex Prey Capture Strategy of the Piscivorous Cone Snail <i>Conus catus</i>. Journal of Proteome Research, 2015, 14, 4372-4381.	3.7	62
93	Synthesis and biological evaluation of nonpeptide mimetics of Ï‰-conotoxin GVIA. Bioorganic and Medicinal Chemistry, 2004, 12, 4025-4037.	3.0	61
94	Toxin insights into nicotinic acetylcholine receptors. Biochemical Pharmacology, 2006, 72, 661-670.	4.4	61
95	Inhibition of the Norepinephrine Transporter by the Venom Peptide Ï‡-MrIA. Journal of Biological Chemistry, 2003, 278, 40317-40323.	3.4	60
96	Systematic interrogation of the Conus marmoreus venom duct transcriptome with ConoSorter reveals 158 novel conotoxins and 13 new gene superfamilies. BMC Genomics, 2013, 14, 708.	2.8	59
97	Rapid Extraction and Identification of Maitotoxin and Ciguatoxin-Like Toxins from Caribbean and Pacific Gambierdiscus Using a New Functional Bioassay. PLoS ONE, 2016, 11, e0160006.	2.5	59
98	Identification of slow and fast-acting toxins in a highly ciguatoxic barracuda (Sphyraena barracuda) by HPLC/MS and radiolabelled ligand binding. Toxicon, 2003, 42, 663-672.	1.6	58
99	N-type Calcium Channel Blockers: Novel Therapeutics for the Treatment of Pain. Medicinal Chemistry, 2006, 2, 535-543.	1.5	58
100	Transcriptomic and behavioural characterisation of a mouse model of burn pain identify the cholecystokinin 2 receptor as an analgesic target. Molecular Pain, 2016, 12, 174480691666536.	2.1	58
101	Analgesic Ï‰-Conotoxins CVIE and CVIF Selectively and Voltage-Dependently Block Recombinant and Native N-Type Calcium Channels. Molecular Pharmacology, 2010, 77, 139-148.	2.3	57
102	The 1.1 Å… Resolution Crystal Structure of [Tyr15]EpI, a Novel Î±-Conotoxin fromConus episcopatus, Solved by Direct Methodsâ€. Biochemistry, 1998, 37, 11425-11433.	2.5	56
103	The structure of bacterial RNA polymerase in complex with the essential transcription elongation factor NusA. EMBO Reports, 2009, 10, 997-1002.	4.5	55
104	Allosteric Î±1-Adrenoreceptor Antagonism by the Conopeptide Ï•TIA. Journal of Biological Chemistry, 2003, 278, 34451-34457.	3.4	54
105	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.	4.4	54
106	Ciguatera and mannitol: In Vivo and In Vitro assessment in mice. Toxicon, 1993, 31, 1039-1050.	1.6	52
107	The role of defensive ecological interactions in theÂevolution of conotoxins. Molecular Ecology, 2016, 25, 598-615.	3.9	52
108	Ciguatoxin from the flesh and viscera of the barracuda, Sphyraena jello. Toxicon, 1984, 22, 805-810.	1.6	51

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109	Ï‡-Conotoxin and Tricyclic Antidepressant Interactions at the Norepinephrine Transporter Define a New Transporter Model. Journal of Biological Chemistry, 2007, 282, 17837-17844.	3.4	51
110	Analgesic treatment of ciguatoxin-induced cold allodynia. Pain, 2013, 154, 1999-2006.	4.2	51
111	Isolation and characterization of Î±-conotoxin LsIA with potent activity at nicotinic acetylcholine receptors. Biochemical Pharmacology, 2013, 86, 791-799.	4.4	51
112	Chemical Engineering and Structural and Pharmacological Characterization of the Î±-Scorpion Toxin OD1. ACS Chemical Biology, 2013, 8, 1215-1222.	3.4	50
113	Expression and Pharmacology of Endogenous Cav Channels in SH-SY5Y Human Neuroblastoma Cells. PLoS ONE, 2013, 8, e59293.	2.5	50
114	Atypical Î±-Conotoxin LtIA from Conus litteratus Targets a Novel Microsite of the Î±3Î²2 Nicotinic Receptor. Journal of Biological Chemistry, 2010, 285, 12355-12366.	3.4	49
115	2â€Nitroveratryl as a Photocleavable Thiolâ€Protecting Group for Directed Disulfide Bond Formation in the Chemical Synthesis of Insulin. Chemistry - A European Journal, 2014, 20, 9549-9552.	3.3	48
116	Effects of Chirality at Tyr13 on the Structureâˆ’Activity Relationships of Ï‰-Conotoxins from Conus magus. Biochemistry, 1999, 38, 6741-6751.	2.5	47
117	Computational approaches to understand alpha-conotoxin interactions at neuronal nicotinic receptors. FEBS Journal, 2004, 271, 2327-2334.	0.2	47
118	Towards an integrated venomics approach for accelerated conopeptide discovery. Toxicon, 2012, 60, 470-477.	1.6	47
119	Conotoxins as selective inhibitors of neuronal ion channels, receptors and transporters. IUBMB Life, 2004, 56, 89-93.	3.4	46
120	Modulatory features of the novel spider toxin Î¼â€TRTXâ€Df1a isolated from the venom of the spider <i>Davus fasciatus</i>. British Journal of Pharmacology, 2017, 174, 2528-2544.	5.4	46
121	Ciguatoxin-2 is a diastereomer of ciguatoxin-3. Toxicon, 1993, 31, 637-643.	1.6	45
122	Ciguatoxin (CTX-1) modulates single tetrodotoxin-sensitive sodium channels in rat parasympathetic neurones. Neuroscience Letters, 1998, 252, 103-106.	2.1	45
123	Analysis of toxin profiles in three different fish species causing ciguatera fish poisoning in Guadeloupe, French West Indies. Food Additives and Contaminants, 2002, 19, 1034-1042.	2.0	45
124	Î±-Conotoxins EpI and AuIB switch subtype selectivity and activity in native versus recombinant nicotinic acetylcholine receptors. FEBS Letters, 2003, 554, 219-223.	2.8	45
125	Emerging opportunities for allosteric modulation of G-protein coupled receptors. Biochemical Pharmacology, 2013, 85, 153-162.	4.4	45
126	Stabilization of the Cysteineâ€Rich Conotoxin MrIA by Using a 1,2,3â€Triazole as a Disulfide Bond Mimetic. Angewandte Chemie - International Edition, 2015, 54, 1361-1364.	13.8	45

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127	Neuronal Nicotinic Acetylcholine Receptor Modulators from Cone Snails. Marine Drugs, 2018, 16, 208.	4.6	45
128	Direct and indirect effects of ciguatoxin on guinea-pig atria and papillary muscles. Naunyn-Schmiedeberg's Archives of Pharmacology, 1986, 334, 313-322.	3.0	44
129	Analgesic effects of clinically used compounds in novel mouse models of polyneuropathy induced by oxaliplatin and cisplatin. Neuro-Oncology, 2014, 16, 1324-1332.	1.2	44
130	Toxicology of Gambierdiscus spp. (Dinophyceae) from Tropical and Temperate Australian Waters. Marine Drugs, 2018, 16, 7.	4.6	44
131	Recovery of ciguatoxin from fish flesh. Toxicon, 1993, 31, 1333-1336.	1.6	43
132	Ability of some plant extracts, traditionally used to treat ciguatera fish poisoning, to prevent the in vitro neurotoxicity produced by sodium channel activators. Toxicon, 2005, 46, 625-634.	1.6	43
133	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.	3.4	43
134	Structureâ€“Function and Therapeutic Potential of Spider Venom-Derived Cysteine Knot Peptides Targeting Sodium Channels. Frontiers in Pharmacology, 2019, 10, 366.	3.5	43
135	Isolation and Characterization of Peptides from <i>Momordica cochinchinensis</i> Seeds. Journal of Natural Products, 2009, 72, 1453-1458.	3.0	42
136	Ciguatera Fish Poisoning in the Caribbean Islands and Western Atlantic. Reviews of Environmental Contamination and Toxicology, 2001, 168, 99-141.	1.3	40
137	Determination ofÎ±-conotoxin binding modes on neuronal nicotinic acetylcholine receptors. Journal of Molecular Recognition, 2004, 17, 339-347.	2.1	40
138	Conotoxins: Molecular and Therapeutic Targets. Progress in Molecular and Subcellular Biology, 2009, 46, 45-65.	1.6	40
139	Solution structure of Ï‡-conopeptide MrIA, a modulator of the human norepinephrine transporter. Biopolymers, 2005, 80, 815-823.	2.4	39
140	Isolation and characterisation of conomap-Vt, ad-amino acid containing excitatory peptide from the venom of a vermivorous cone snail. FEBS Letters, 2006, 580, 3860-3866.	2.8	39
141	Intraspecific variations in Conus geographus defence-evoked venom and estimation of the human lethal dose. Toxicon, 2014, 91, 135-144.	1.6	39
142	Structure-Function of Neuronal Nicotinic Acetylcholine Receptor Inhibitors Derived From Natural Toxins. Frontiers in Neuroscience, 2020, 14, 609005.	2.8	39
143	Brevenal Inhibits Pacific Ciguatoxin-1B-Induced Neurosecretion from Bovine Chromaffin Cells. PLoS ONE, 2008, 3, e3448.	2.5	39
144	Cloning and characterisation of natriuretic peptides from the venom glands of Australian elapids. Biochimie, 2006, 88, 1923-1931.	2.6	38

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145	Inhibition of Neuronal Nicotinic Acetylcholine Receptor Subtypes by Î±-Conotoxin GID and Analogues*. Journal of Biological Chemistry, 2009, 284, 4944-4951.	3.4	38
146	Isolation and Characterization of Conopeptides by High-performance Liquid Chromatography Combined with Mass Spectrometry and Tandem Mass Spectrometry. , 1996, 10, 138-143.		37
147	Amplified Cold Transduction in Native Nociceptors by M-Channel Inhibition. Journal of Neuroscience, 2013, 33, 16627-16641.	3.6	37
148	Development of a Î¼O-Conotoxin Analogue with Improved Lipid Membrane Interactions and Potency for the Analgesic Sodium Channel NaV1.8. Journal of Biological Chemistry, 2016, 291, 11829-11842.	3.4	37
149	A Short Synthesis of the A/B Ring Systems of the Pacific Ciguatoxins P-CTX-3C and Dihydroxy-P-CTX-3C. Journal of Organic Chemistry, 1999, 64, 8396-8398.	3.2	36
150	Ciguatoxin-induced oscillations in membrane potential and action potential firing in rat parasympathetic neurons. European Journal of Neuroscience, 2002, 16, 242-248.	2.6	36
151	Discovery and development of the Ï‡-conopeptide class of analgesic peptides. Toxicon, 2012, 59, 524-528.	1.6	36
152	Structureâ^'Activity Studies of Conantokins as Human N-Methyl-d-aspartate Receptor Modulators,. Journal of Medicinal Chemistry, 1999, 42, 415-426.	6.4	35
153	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.	1.9	35
154	Venom Peptides as a Rich Source of Cav2.2 Channel Blockers. Toxins, 2013, 5, 286-314.	3.4	35
155	Multiple actions of Ï†-LITX-Lw1a on ryanodine receptors reveal a functional link between scorpion DDH and ICK toxins. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8906-8911.	7.1	35
156	Development of small molecules that mimic the binding of Ï‰-conotoxins at the N-type voltage-gated calcium channel. Molecular Diversity, 2004, 8, 127-134.	3.9	34
157	The role of group I metabotropic glutamate receptors in neuronal excitotoxicity in alzheimerâ€™s disease. Neurotoxicity Research, 2005, 7, 125-141.	2.7	34
158	Novel Î±D-Conopeptides and Their Precursors Identified by cDNA Cloning Define the D-Conotoxin Superfamily. Biochemistry, 2009, 48, 3717-3729.	2.5	34
159	Subtle modifications to oxytocin produce ligands that retain potency and improved selectivity across species. Science Signaling, 2017, 10, .	3.6	34
160	Neuroprotectant effects of iso-osmolar d-mannitol to prevent Pacific ciguatoxin-1 induced alterations in neuronal excitability: A comparison with other osmotic agents and free radical scavengers. Neuropharmacology, 2005, 49, 669-686.	4.1	33
161	Therapeutic opportunities for targeting cold pain pathways. Biochemical Pharmacology, 2015, 93, 125-140.	4.4	33
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