Richard J. Lewis

List of Publications by Year
in descending order

329 papers	17,869 citations	13332 70 h-index	24511 114 g-index
335 all docs	335 docs citations	335 times ranked	9952 citing authors

#	Article	IF	Citations
1	Inhibition of N-type calcium ion channels by tricyclic antidepressants â€“ experimental and theoretical justification for their use for neuropathic pain. RSC Medicinal Chemistry, 2022, 13, 183-195.	1.7	3
2	Venomics Reveals a Non-Compartmentalised Venom Gland in the Early Diverged Vermivorous Conus distans. Toxins, 2022, 14, 226.	1.5	2
3	Cysteine-Rich Î±-Conotoxin SII Displays Novel Interactions at the Muscle Nicotinic Acetylcholine Receptor. ACS Chemical Neuroscience, 2022, 13, 1245-1250.	1.7	1
4	Comparative Venomics of C. flavidus and C. frigidus and Closely Related Vermivorous Cone Snails. Marine Drugs, 2022, 20, 209.	2.2	1
5	PAR2, Keratinocytes, and Cathepsin S Mediate the Sensory Effects of Ciguatoxins Responsible for Ciguatera Poisoning. Journal of Investigative Dermatology, 2021, 141, 648-658.e3.	0.3	8
6	Chemical Synthesis and NMR Solution Structure of Conotoxin GXIA from Conus geographus. Marine Drugs, 2021, 19, 60.	2.2	3
7	Posttranslational modifications of Î±-conotoxins: sulfotyrosine and C-terminal amidation stabilise structures and increase acetylcholine receptor binding. RSC Medicinal Chemistry, 2021, 12, 1574-1584.	1.7	2
8	Subcutaneous Ï‰-Conotoxins Alleviate Mechanical Pain in Rodent Models of Acute Peripheral Neuropathy. Marine Drugs, 2021, 19, 106.	2.2	13
9	Transfection methods for high-throughput cellular assays of voltage-gated calcium and sodium channels involved in pain. PLoS ONE, 2021, 16, e0243645.	1.1	11
10	Venom duct origins of prey capture and defensive conotoxins in piscivorous Conus striatus. Scientific Reports, 2021, 11, 13282.	1.6	7
11	Critical Review and Conceptual and Quantitative Models for the Transfer and Depuration of Ciguatoxins in Fishes. Toxins, 2021, 13, 515.	1.5	17
12	Pacific-Ciguatoxin-2 and Brevetoxin-1 Induce the Sensitization of Sensory Receptors Mediating Pain and Pruritus in Sensory Neurons. Marine Drugs, 2021, 19, 387.	2.2	2
13	Engineering of a Spider Peptide via Conserved Structure-Function Traits Optimizes Sodium Channel Inhibition In Vitro and Anti-Nociception In Vivo. Frontiers in Molecular Biosciences, 2021, 8, 742457.	1.6	5
14	A spider-venom peptide with multitarget activity on sodium and calcium channels alleviates chronic visceral pain in a model of irritable bowel syndrome. Pain, 2021, 162, 569-581.	2.0	28
15	Functional modulation of the human voltage-gated sodium channel Na_V1.8 by auxiliary Î² subunits. Channels, 2021, 15, 79-93.	1.5	4
16	Rigidity of loop 1 contributes to equipotency of globular and ribbon isomers of Î±-conotoxin AusIA. Scientific Reports, 2021, 11, 21928.	1.6	3
17	Voltage-Gated Sodium Channel Modulation by a New Spider Toxin Ssp1a Isolated From an Australian Theraphosid. Frontiers in Pharmacology, 2021, 12, 795455.	1.6	2
18	Unique Pharmacological Properties of Î±-Conotoxin OmIA at Î±7 nAChRs. Frontiers in Pharmacology, 2021, 12, 803397.	1.6	5

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19	Discovery, Pharmacological Characterisation and NMR Structure of the Novel Âµ-Conotoxin SxIIIC, a Potent and Irreversible NaV Channel Inhibitor. Biomedicines, 2020, 8, 391.	1.4	12
20	Characterisation of Î´-Conotoxin TxVIA as a Mammalian T-Type Calcium Channel Modulator. Marine Drugs, 2020, 18, 343.	2.2	2
21	The neuronal calcium ion channel activity of constrained analogues of MONIRO-1. Bioorganic and Medicinal Chemistry, 2020, 28, 115655.	1.4	3
22	Structure-Function of Neuronal Nicotinic Acetylcholine Receptor Inhibitors Derived From Natural Toxins. Frontiers in Neuroscience, 2020, 14, 609005.	1.4	39
23	Australian funnel-web spiders evolved human-lethal Î´-hexatoxins for defense against vertebrate predators. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24920-24928.	3.3	32
24	Mutational analysis of ProTx-I and the novel venom peptide Pe1b provide insight into residues responsible for selective inhibition of the analgesic drug target NaV1.7. Biochemical Pharmacology, 2020, 181, 114080.	2.0	7
25	Structure-Function of the High Affinity Substrate Binding Site (S1) of Human Norepinephrine Transporter. Frontiers in Pharmacology, 2020, 11, 217.	1.6	7
26	Synthesis, Pharmacological and Structural Characterization of Novel Conopressins from Conus miliaris. Marine Drugs, 2020, 18, 150.	2.2	10
27	The Toxicological Intersection between Allergen and Toxin: A Structural Comparison of the Cat Dander Allergenic Protein Fel d1 and the Slow Loris Brachial Gland Secretion Protein. Toxins, 2020, 12, 86.	1.5	9
28	Structure and allosteric activity of a single-disulfide conopeptide from Conus zonatus at human Î±3Î²4 and Î±7 nicotinic acetylcholine receptors. Journal of Biological Chemistry, 2020, 295, 7096-7112.	1.6	4
29	On-Resin Strategy to Label Î±-Conotoxins: Cy5-RgIA, a Potent Î±9Î±10 Nicotinic Acetylcholine Receptor Imaging Probe. Australian Journal of Chemistry, 2020, 73, 327.	0.5	2
30	Venomic Interrogation Reveals the Complexity of Conus striolatus Venom. Australian Journal of Chemistry, 2020, 73, 357.	0.5	5
31	Ciguatera poisoning: the role of high-voltage-activated and store-operated calcium channels in ciguatoxin-induced sensory effects. Itch (Philadelphia, Pa), 2020, 5, e43-e43.	1.0	1
32	T-type Calcium Channels in Health and Disease. Current Medicinal Chemistry, 2020, 27, 3098-3122.	1.2	8
33	Spider Knottin Pharmacology at Voltage-Gated Sodium Channels and Their Potential to Modulate Pain Pathways. Toxins, 2019, 11, 626.	1.5	29
34	Conotoxins: Chemistry and Biology. Chemical Reviews, 2019, 119, 11510-11549.	23.0	174
35	Venomics Reveals Venom Complexity of the Piscivorous Cone Snail, Conus tulipa. Marine Drugs, 2019, 17, 71.	2.2	20
36	Multifunctional Toxins in Snake Venoms and Therapeutic Implications: From Pain to Hemorrhage and Necrosis. Frontiers in Ecology and Evolution, 2019, 7, .	1.1	134

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37	â€˜Messyâ€™ Processing of Ï‡-conotoxin MrIA Generates Homologues with Reduced hNET Potency. Marine Drugs, 2019, 17, 165.	2.2	6
38	Novel conorfamides from Conus austini venom modulate both nicotinic acetylcholine receptors and acid-sensing ion channels. Biochemical Pharmacology, 2019, 164, 342-348.	2.0	12
39	Transcriptomic-Proteomic Correlation in the Predation-Evoked Venom of the Cone Snail, Conus imperialis. Marine Drugs, 2019, 17, 177.	2.2	19
40	Mutations in the NPxxY motif stabilize pharmacologically distinct conformational states of the Î± _{1B} - and Î² ₂ -adrenoceptors. Science Signaling, 2019, 12, .	1.6	14
41	Structureâ€“Function and Therapeutic Potential of Spider Venom-Derived Cysteine Knot Peptides Targeting Sodium Channels. Frontiers in Pharmacology, 2019, 10, 366.	1.6	43
42	The Î±1-adrenoceptor inhibitor Ï•TIA facilitates net hunting in piscivorous Conus tulipa. Scientific Reports, 2019, 9, 17841.	1.6	4
43	Toxicological characterization of <i>Fukuyoa paulensis</i> (Dinophyceae) from temperate Australia. Phycological Research, 2019, 67, 65-71.	0.8	13
44	Design, synthesis and biological profile of mixed opioid agonist/N-VGCC blocker peptides. New Journal of Chemistry, 2018, 42, 5656-5659.	1.4	7
45	Toxins in pain. Current Opinion in Supportive and Palliative Care, 2018, 12, 132-141.	0.5	8
46	Accelerated proteomic visualization of individual predatory venoms of Conus purpurascens reveals separately evolved predation-evoked venom cabals. Scientific Reports, 2018, 8, 330.	1.6	13
47	Synthesis and evaluation of aminobenzothiazoles as blockers of N- and T-type calcium channels. Bioorganic and Medicinal Chemistry, 2018, 26, 3046-3059.	1.4	11
48	Inhibition of human Nâ€•and Tâ€•type calcium channels by an <i>ortho</i>â€•phenoxyanilide derivative, MONIROâ€•1. British Journal of Pharmacology, 2018, 175, 2284-2295.	2.7	13
49	Sodium channels and pain: from toxins to therapies. British Journal of Pharmacology, 2018, 175, 2138-2157.	2.7	72
50	Transcriptomics in pain research: insights from new and old technologies. Molecular Omics, 2018, 14, 389-404.	1.4	22
51	Synthesis of Pseudellone Analogs and Characterization as Novel T-type Calcium Channel Blockers. Marine Drugs, 2018, 16, 475.	2.2	6
52	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
53	Neurotoxicity fingerprinting of venoms using on-line microfluidic AChBP profiling. Toxicon, 2018, 148, 213-222.	0.8	23
54	Venomics-Accelerated Cone Snail Venom Peptide Discovery. International Journal of Molecular Sciences, 2018, 19, 788.	1.8	30

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55	Toxicology of Gambierdiscus spp. (Dinophyceae) from Tropical and Temperate Australian Waters. Marine Drugs, 2018, 16, 7.	2.2	44
56	Neuronal Nicotinic Acetylcholine Receptor Modulators from Cone Snails. Marine Drugs, 2018, 16, 208.	2.2	45
57	Inhibition of somatosensory mechanotransduction by annexin A6. Science Signaling, 2018, 11, .	1.6	10
58	Pharmacological characterisation of the highly NaV1.7 selective spider venom peptide Pn3a. Scientific Reports, 2017, 7, 40883.	1.6	120
59	Multiple sodium channel isoforms mediate the pathological effects of Pacific ciguatoxin-1. Scientific Reports, 2017, 7, 42810.	1.6	67
60	Synthesis of Multivalent [Lys8]-Oxytocin Dendrimers that Inhibit Visceral Nociceptive Responses. Australian Journal of Chemistry, 2017, 70, 162.	0.5	9
61	The tarantula toxin Î²/Î´-TRTX-Pre1a highlights the importance of the S1-S2 voltage-sensor region for sodium channel subtype selectivity. Scientific Reports, 2017, 7, 974.	1.6	16
62	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.	2.7	46
63	Structural mechanisms for Î±-conotoxin activity at the human Î±3Î²4 nicotinic acetylcholine receptor. Scientific Reports, 2017, 7, 45466.	1.6	29
64	Lethal effects of an insecticidal spider venom peptide involve positive allosteric modulation of insect nicotinic acetylcholine receptors. Neuropharmacology, 2017, 127, 224-242.	2.0	16
65	Brain mechanisms of abnormal temperature perception in cold allodynia induced by ciguatoxin. Annals of Neurology, 2017, 81, 104-116.	2.8	8
66	Pharmacology of predatory and defensive venom peptides in cone snails. Molecular BioSystems, 2017, 13, 2453-2465.	2.9	27
67	Conotoxin Î¦â€MiXXVIIA from the Superfamily G2 Employs a Novel Cysteine Framework that Mimics Granulin and Displays Antiâ€Apoptotic Activity. Angewandte Chemie, 2017, 129, 15169-15172.	1.6	3
68	Subtle modifications to oxytocin produce ligands that retain potency and improved selectivity across species. Science Signaling, 2017, 10, .	1.6	34
69	Neuropharmacology of venom peptides. Neuropharmacology, 2017, 127, 1-3.	2.0	7
70	Ciguatoxins Evoke Potent CGRP Release by Activation of Voltage-Gated Sodium Channel Subtypes NaV1.9, NaV1.7 and NaV1.1. Marine Drugs, 2017, 15, 269.	2.2	16
71	Discovery and mode of action of a novel analgesic Î²-toxin from the African spider Ceratogyrus darlingi. PLoS ONE, 2017, 12, e0182848.	1.1	22
72	Conotoxin Î¦â€MiXXVIIA from the Superfamily G2 Employs a Novel Cysteine Framework that Mimics Granulin and Displays Antiâ€Apoptotic Activity. Angewandte Chemie - International Edition, 2017, 56, 14973-14976.	7.2	25

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73	Revising the Role of Defense and Predation in Cone Snail Venom Evolution. Toxinology, 2017, , 105-123.	0.2	2
74	The structure, dynamics and selectivity profile of a NaV1.7 potency-optimised huwentoxin-IV variant. PLoS ONE, 2017, 12, e0173551.	1.1	33
75	Analgesic Effects of GpTx-1, PF-04856264 and CNV1014802 in a Mouse Model of NaV1.7-Mediated Pain. Toxins, 2016, 8, 78.	1.5	94
76	Inhibition of the norepinephrine transporter by Ï‡â€conotoxin dendrimers. Journal of Peptide Science, 2016, 22, 280-289.	0.8	8
77	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.	1.0	58
78	Crotalphine desensitizes TRPA1 ion channels to alleviate inflammatory hyperalgesia. Pain, 2016, 157, 2504-2516.	2.0	31
79	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.	1.6	37
80	Ciguatoxin and Ciguatera. , 2016, , 71-92.		4
81	The role of defensive ecological interactions in theÂevolution of conotoxins. Molecular Ecology, 2016, 25, 598-615.	2.0	52
82	Conopeptide-Derived Îº-Opioid Agonists (Conorphins): Potent, Selective, and Metabolic Stable Dynorphin A Mimetics with Antinociceptive Properties. Journal of Medicinal Chemistry, 2016, 59, 2381-2395.	2.9	28
83	Release of neuropeptides from a neuro-cutaneous co-culture model: A novel inÂvitro model for studying sensory effects of ciguatoxins. Toxicon, 2016, 116, 4-10.	0.8	17
84	Escherichia coli Protein Expression System for Acetylcholine Binding Proteins (AChBPs). PLoS ONE, 2016, 11, e0157363.	1.1	10
85	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.	1.1	59
86	Revising the Role of Defense and Predation in Cone Snail Venom Evolution. , 2016, , 1-18.		0
87	Phyla Molluska: The Venom Apparatus of Cone Snails. , 2016, , 327-340.		4
88	Ionic mechanisms of spinal neuronal cold hypersensitivity in ciguatera. European Journal of Neuroscience, 2015, 42, 3004-3011.	1.2	13
89	Transcriptome and proteome of <i>Conus planorbis</i> identify the nicotinic receptors as primary target for the defensive venom. Proteomics, 2015, 15, 4030-4040.	1.3	26
90	Inhibition of N-Type Calcium Channels by Fluorophenoxyanilide Derivatives. Marine Drugs, 2015, 13, 2030-2045.	2.2	11

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91	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.	1.0	72
92	Intraspecific variations in Conus purpurascens injected venom using LC/MALDI-TOF-MS and LC-ESI-TripleTOF-MS. Analytical and Bioanalytical Chemistry, 2015, 407, 6105-6116.	1.9	24
93	Therapeutic opportunities for targeting cold pain pathways. Biochemical Pharmacology, 2015, 93, 125-140.	2.0	33
94	CHAPTER 3. Venoms-Based Drug Discovery: Proteomic and Transcriptomic Approaches. RSC Drug Discovery Series, 2015, , 80-96.	0.2	7
95	CHAPTER 9. Case Study 1: Development of the Analgesic Drugs PrialtÂ® and Xen2174 from Cone Snail Venoms. RSC Drug Discovery Series, 2015, , 245-254.	0.2	5
96	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.	2.7	74
97	Extracellular Surface Residues of the<i>Î±</i>_{1B}-Adrenoceptor Critical for G Proteinâ€“Coupled Receptor Function. Molecular Pharmacology, 2015, 87, 121-129.	1.0	9
98	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
99	Î´-Conotoxin SuVIA suggests an evolutionary link between ancestral predator defence and the origin of fish-hunting behaviour in carnivorous cone snails. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150817.	1.2	29
100	Î±-conotoxin MrIC is a biased agonist at Î±7 nicotinic acetylcholine receptors. Biochemical Pharmacology, 2015, 94, 155-163.	2.0	16
101	High-voltage-activated calcium current subtypes in mouse DRG neurons adapt in a subpopulation-specific manner after nerve injury. Journal of Neurophysiology, 2015, 113, 1511-1519.	0.9	25
102	Activation of Îº Opioid Receptors in Cutaneous Nerve Endings by Conorphin-1, a Novel Subtype-Selective Conopeptide, Does Not Mediate Peripheral Analgesia. ACS Chemical Neuroscience, 2015, 6, 1751-1758.	1.7	17
103	An efficient transcriptome analysis pipeline to accelerate venom peptide discovery and characterisation. Toxicon, 2015, 107, 282-289.	0.8	17
104	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.	1.8	62
105	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.	7.2	45
106	Design, Synthesis and Biological Evaluation of Two Opioid Agonist and Ca_v2.2 Blocker Multitarget Ligands. Chemical Biology and Drug Design, 2015, 86, 156-162.	1.5	31
107	Ciguatoxin and Ciguatera. , 2015, , 1-19.		0
108	Phyla Molluska: The Venom Apparatus of Cone Snails. , 2015, , 1-10.		1

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109	Miniaturized Bioaffinity Assessment Coupled to Mass Spectrometry for Guided Purification of Bioactives from Toad and Cone Snail. Biology, 2014, 3, 139-156.	1.3	16
110	Cone snail venomics: from novel biology to novel therapeutics. Future Medicinal Chemistry, 2014, 6, 1659-1675.	1.1	72
111	Flow Cytometric-Membrane Potential Detection of Sodium Channel Active Marine Toxins: Application to Ciguatoxins in Fish Muscle and Feasibility of Automating Saxitoxin Detection. Journal of AOAC INTERNATIONAL, 2014, 97, 299-306.	0.7	15
112	Intraspecific variations in Conus geographus defence-evoked venom and estimation of the human lethal dose. Toxicon, 2014, 91, 135-144.	0.8	39
113	Selenoether oxytocin analogues have analgesic properties in a mouse model of chronic abdominal pain. Nature Communications, 2014, 5, 3165.	5.8	122
114	Discovery, Synthesis, and Structureâ€“Activity Relationships of Conotoxins. Chemical Reviews, 2014, 114, 5815-5847.	23.0	258
115	Analgesic effects of clinically used compounds in novel mouse models of polyneuropathy induced by oxaliplatin and cisplatin. Neuro-Oncology, 2014, 16, 1324-1332.	0.6	44
116	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.	1.7	48
117	Reâ€engineering the Î¼â€conotoxin SIIIA scaffold. Biopolymers, 2014, 101, 347-354.	1.2	3
118	Isolation and Structural and Pharmacological Characterization of Î±-Elapitoxin-Dpp2d, an Amidated Three Finger Toxin from Black Mamba Venom. Biochemistry, 2014, 53, 3758-3766.	1.2	23
119	Evolution of separate predation- and defence-evoked venoms in carnivorous cone snails. Nature Communications, 2014, 5, 3521.	5.8	275
120	Does Nature do Ion Channel Drug Discovery Better than Us?. RSC Drug Discovery Series, 2014, , 297-319.	0.2	2
121	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
122	MrIC, a Novel Î±-Conotoxin Agonist in the Presence of PNU at Endogenous Î±7 Nicotinic Acetylcholine Receptors. Biochemistry, 2014, 53, 1-3.	1.2	31
123	Novel Ï‰-Conotoxins from <i>C. Catus</i> Reverse Signs of Mouse Inflammatory Pain after Systemic Administration. Molecular Pain, 2013, 9, 1744-8069-9-51.	1.0	9
124	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.	1.2	59
125	Analgesic treatment of ciguatoxin-induced cold allodynia. Pain, 2013, 154, 1999-2006.	2.0	51
126	Vicinal Disulfide Constrained Cyclic Peptidomimetics: a Turn Mimetic Scaffold Targeting the Norepinephrine Transporter. Angewandte Chemie - International Edition, 2013, 52, 12020-12023.	7.2	32

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127	Conopeptide Ï•TIA Defines a New Allosteric Site on the Extracellular Surface of the Î±1B-Adrenoceptor. Journal of Biological Chemistry, 2013, 288, 1814-1827.	1.6	23
128	An animal model of oxaliplatin-induced cold allodynia reveals a crucial role for Nav1.6 in peripheral pain pathways. Pain, 2013, 154, 1749-1757.	2.0	144
129	Isolation and characterization of Î±-conotoxin LsIA with potent activity at nicotinic acetylcholine receptors. Biochemical Pharmacology, 2013, 86, 791-799.	2.0	51
130	Ecology of the ciguatera causing dinoflagellates from the Northern Great Barrier Reef: Changes in community distribution and coastal eutrophication. Marine Pollution Bulletin, 2013, 77, 210-219.	2.3	32
131	Efficient chemical synthesis of human complement protein C3a. Chemical Communications, 2013, 49, 2356.	2.2	14
132	Transcriptomic Messiness in the Venom Duct of Conus miles Contributes to Conotoxin Diversity. Molecular and Cellular Proteomics, 2013, 12, 3824-3833.	2.5	70
133	Chemical Engineering and Structural and Pharmacological Characterization of the Î±-Scorpion Toxin OD1. ACS Chemical Biology, 2013, 8, 1215-1222.	1.6	50
134	Emerging opportunities for allosteric modulation of G-protein coupled receptors. Biochemical Pharmacology, 2013, 85, 153-162.	2.0	45
135	Differential Evolution and Neofunctionalization of Snake Venom Metalloprotease Domains. Molecular and Cellular Proteomics, 2013, 12, 651-663.	2.5	83
136	Venom Peptides as a Rich Source of Cav2.2 Channel Blockers. Toxins, 2013, 5, 286-314.	1.5	35
137	Deep Venomics Reveals the Mechanism for Expanded Peptide Diversity in Cone Snail Venom. Molecular and Cellular Proteomics, 2013, 12, 312-329.	2.5	180
138	Differential Evolution and Neofunctionalization of Snake Venom Metalloprotease Domains. Molecular and Cellular Proteomics, 2013, 12, 1488.	2.5	1
139	Amplified Cold Transduction in Native Nociceptors by M-Channel Inhibition. Journal of Neuroscience, 2013, 33, 16627-16641.	1.7	37
140	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.	3.3	35
141	Spinal actions of Ï‰â€conotoxins, <scp>CVID</scp>, <scp>MVIIA</scp> and related peptides in a rat neuropathic pain model. British Journal of Pharmacology, 2013, 170, 245-254.	2.7	25
142	Vicinal Disulfide Constrained Cyclic Peptidomimetics: a Turn Mimetic Scaffold Targeting the Norepinephrine Transporter. Angewandte Chemie, 2013, 125, 12242-12245.	1.6	9
143	Expression and Pharmacology of Endogenous Cav Channels in SH-SY5Y Human Neuroblastoma Cells. PLoS ONE, 2013, 8, e59293.	1.1	50
144	A Second Extracellular Site Is Required for Norepinephrine Transport by the Human Norepinephrine Transporter. Molecular Pharmacology, 2012, 82, 898-909.	1.0	18

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145	Ciguatoxins activate specific cold pain pathways to elicit burning pain from cooling. EMBO Journal, 2012, 31, 3795-3808.	3.5	103
146	Therapeutic Potential of Cone Snail Venom Peptides (Conopeptides). Current Topics in Medicinal Chemistry, 2012, 12, 1546-1552.	1.0	96
147	Conotoxin engineering: dual pharmacophoric noradrenaline transport inhibitor/integrin binding peptide with improved stability. Organic and Biomolecular Chemistry, 2012, 10, 5791.	1.5	13
148	Biophysical properties of Na_v1.8/Na_v1.2 chimeras and inhibition by ÂµOâ€conotoxin MrVIB. British Journal of Pharmacology, 2012, 166, 2148-2160.	2.7	15
149	Pharmacological characterization of Î±-elapitoxin-Al2a from the venom of the Australian pygmy copperhead (Austrelaps labialis): An atypical long-chain Î±-neurotoxin with only weak affinity for Î±7 nicotinic receptors. Biochemical Pharmacology, 2012, 84, 851-863.	2.0	13
150	Ï‰-Conotoxin GVIA Mimetics that Bind and Inhibit Neuronal Cav2.2 Ion Channels. Marine Drugs, 2012, 10, 2349-2368.	2.2	20
151	Conus Venom Peptide Pharmacology. Pharmacological Reviews, 2012, 64, 259-298.	7.1	372
152	Effects of Lys2 to Ala2 substitutions on the structure and potency of Ï‰â€conotoxins MVIIA and CVID. Biopolymers, 2012, 98, 345-356.	1.2	7
153	Nâ€•and câ€terminal extensions of Î¼â€conotoxins increase potency and selectivity for neuronal sodium channels. Biopolymers, 2012, 98, 161-165.	1.2	12
154	Characterisation of Nav types endogenously expressed in human SH-SY5Y neuroblastoma cells. Biochemical Pharmacology, 2012, 83, 1562-1571.	2.0	64
155	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
156	Discovery and development of the Ï‡-conopeptide class of analgesic peptides. Toxicon, 2012, 59, 524-528.	0.8	36
157	Towards an integrated venomics approach for accelerated conopeptide discovery. Toxicon, 2012, 60, 470-477.	0.8	47
158	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.	6.6	81
159	Natural Product Ligands of TRP Channels. Advances in Experimental Medicine and Biology, 2011, 704, 41-85.	0.8	31
160	Venomics: a new paradigm for natural products-based drug discovery. Amino Acids, 2011, 40, 15-28.	1.2	172
161	Venom Peptide Modulators of the Immune System. Inflammation and Allergy: Drug Targets, 2011, 10, 399-410.	1.8	7
162	Ciguatera Fish Poisoning in the Pacific Islands (1998 to 2008). PLoS Neglected Tropical Diseases, 2011, 5, e1416.	1.3	132

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326	Toxic material from the crab Atergatis floridus. Toxicon, 1983, 21, 111-113.	0.8	11
327	Purification of ciguatoxin-like material from Scomberomorus commersoni and its effect on the rat phrenic nerve-diaphragm. Toxicon, 1983, 21, 249-252.	0.8	15
328	The antispasmogenic action on guinea-pig ileum of a fraction obtained from the toxic skin secretion of the stonefish, Synanceia trachynis. Toxicon, 1982, 20, 991-1000.	0.8	4
329	A crinotoxin from the skin tubercle glands of a stonefish (Synanceia trachynis). Toxicon, 1981, 19, 159-170.	0.8	14