Paul F Alewood

List of Publications by Year
in descending order

287 papers	16,006 citations	15001 68 h-index	30277 107 g-index
297 all docs	297 docs citations	297 times ranked	11189 citing authors

#	Article	IF	Citations
1	Multitarget nociceptor sensitization by a promiscuous peptide from the venom of the King Baboon spider. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	7
2	Cysteine-Rich Î±-Conotoxin SII Displays Novel Interactions at the Muscle Nicotinic Acetylcholine Receptor. ACS Chemical Neuroscience, 2022, 13, 1245-1250.	1.7	1
3	The Tarantula Toxin ï‰-Avsp1a Specifically Inhibits Human CaV3.1 and CaV3.3 via the Extracellular S3-S4 Loop of the Domain 1 Voltage-Sensor. Biomedicines, 2022, 10, 1066.	1.4	2
4	Chemical Synthesis and NMR Solution Structure of Conotoxin GXIA from Conus geographus. Marine Drugs, 2021, 19, 60.	2.2	3
5	Nature-inspired dimerization as a strategy to modulate neuropeptide pharmacology exemplified with vasopressin and oxytocin. Chemical Science, 2021, 12, 4057-4062.	3.7	12
6	Trends in peptide drug discovery. Nature Reviews Drug Discovery, 2021, 20, 309-325.	21.5	792
7	Production, composition, and mode of action of the painful defensive venom produced by a limacodid caterpillar, Doratifera vulnerans. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	17
8	Venom duct origins of prey capture and defensive conotoxins in piscivorous Conus striatus. Scientific Reports, 2021, 11, 13282.	1.6	7
9	Globular and ribbon isomers of Conus geographus Î±-conotoxins antagonize human nicotinic acetylcholine receptors. Biochemical Pharmacology, 2021, 190, 114638.	2.0	9
10	Fulditoxin, representing a new class of dimeric snake toxins, defines novel pharmacology at nicotinic ACh receptors. British Journal of Pharmacology, 2020, 177, 1822-1840.	2.7	12
11	The oxytocin receptor signalling system and breast cancer: a critical review. Oncogene, 2020, 39, 5917-5932.	2.6	35
12	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
13	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
14	Addition of K22 Converts Spider Venom Peptide Pme2a from an Activator to an Inhibitor of NaV1.7. Biomedicines, 2020, 8, 37.	1.4	6
15	It Takes Two: Dimerization Is Essential for the Broad-Spectrum Predatory and Defensive Activities of the Venom Peptide Mp1a from the Jack Jumper Ant Myrmecia pilosula. Biomedicines, 2020, 8, 185.	1.4	12
16	Mapping the Molecular Surface of the Analgesic NaV1.7-Selective Peptide Pn3a Reveals Residues Essential for Membrane and Channel Interactions. ACS Pharmacology and Translational Science, 2020, 3, 535-546.	2.5	16
17	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
18	Venomic Interrogation Reveals the Complexity of Conus striolatus Venom. Australian Journal of Chemistry, 2020, 73, 357.	0.5	5

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19	A tetrapeptide class of biased analgesics from an Australian fungus targets the Âμ-opioid receptor. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22353-22358.	3.3	31
20	Conotoxins: Chemistry and Biology. Chemical Reviews, 2019, 119, 11510-11549.	23.0	174
21	Venomics Reveals Venom Complexity of the Piscivorous Cone Snail, Conus tulipa. Marine Drugs, 2019, 17, 71.	2.2	20
22	Investigation of the estuarine stonefish (Synanceia horrida) venom composition. Journal of Proteomics, 2019, 201, 12-26.	1.2	14
23	â€˜Messyâ€™ Processing of Ï‡-conotoxin MrIA Generates Homologues with Reduced hNET Potency. Marine Drugs, 2019, 17, 165.	2.2	6
24	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
25	Transcriptomic-Proteomic Correlation in the Predation-Evoked Venom of the Cone Snail, Conus imperialis. Marine Drugs, 2019, 17, 177.	2.2	19
26	The Î±1-adrenoceptor inhibitor Ï•TIA facilitates net hunting in piscivorous Conus tulipa. Scientific Reports, 2019, 9, 17841.	1.6	4
27	Antiallodynic effects of the selective NaV1.7 inhibitor Pn3a in a mouse model of acute postsurgical pain: evidence for analgesic synergy with opioids and baclofen. Pain, 2019, 160, 1766-1780.	2.0	35
28	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
29	Evaluation of Chemical Strategies for Improving the Stability and Oral Toxicity of Insecticidal Peptides. Biomedicines, 2018, 6, 90.	1.4	7
30	Gomesin inhibits melanoma growth by manipulating key signaling cascades that control cell death and proliferation. Scientific Reports, 2018, 8, 11519.	1.6	37
31	Novel venom-derived inhibitors of the human EAG channel, a putative antiepileptic drug target. Biochemical Pharmacology, 2018, 158, 60-72.	2.0	13
32	PHAB toxins: a unique family of predatory sea anemone toxins evolving via intra-gene concerted evolution defines a new peptide fold. Cellular and Molecular Life Sciences, 2018, 75, 4511-4524.	2.4	34
33	Pharmacological characterisation of the highly NaV1.7 selective spider venom peptide Pn3a. Scientific Reports, 2017, 7, 40883.	1.6	120
34	Development of a human vasopressin V1a-receptor antagonist from an evolutionary-related insect neuropeptide. Scientific Reports, 2017, 7, 41002.	1.6	33
35	Synthesis of Multivalent [Lys8]-Oxytocin Dendrimers that Inhibit Visceral Nociceptive Responses. Australian Journal of Chemistry, 2017, 70, 162.	0.5	9
36	Australasian Peptide Chemistry. Australian Journal of Chemistry, 2017, 70, 125.	0.5	0

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37	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
38	Î”â€Myrtoxinâ€Mp1a is a Helical Heterodimer from the Venom of the Jack Jumper Ant that has Antimicrobial, Membraneâ€Disrupting, and Nociceptive Activities. Angewandte Chemie - International Edition, 2017, 56, 8495-8499.	7.2	28
39	Modulatory features of the novel spider toxin Î¼â€TRTXâ€Df1a isolated from the venom of the spider Davus fasciatus. British Journal of Pharmacology, 2017, 174, 2528-2544.	2.7	46
40	Structural mechanisms for Î±-conotoxin activity at the human Î±3Î²4 nicotinic acetylcholine receptor. Scientific Reports, 2017, 7, 45466.	1.6	29
41	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
42	Subtle modifications to oxytocin produce ligands that retain potency and improved selectivity across species. Science Signaling, 2017, 10, .	1.6	34
43	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
44	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
45	The Snake with the Scorpionâ€™s Sting: Novel Three-Finger Toxin Sodium Channel Activators from the Venom of the Long-Glanded Blue Coral Snake (Calliophis bivirgatus). Toxins, 2016, 8, 303.	1.5	53
46	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
47	Peptideâ€Decorated Dendrimers and Their Bioapplications. Angewandte Chemie - International Edition, 2016, 55, 5124-5134.	7.2	60
48	Inhibition of the norepinephrine transporter by Ï‡â€conotoxin dendrimers. Journal of Peptide Science, 2016, 22, 280-289.	0.8	8
49	Isolation and characterization of a structurally unique Î²-hairpin venom peptide from the predatory ant Anochetus emarginatus. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 2553-2562.	1.1	21
50	Isolation of two insecticidal toxins from venom of the Australian theraphosid spider Coremiocnemis tropix. Toxicon, 2016, 123, 62-70.	0.8	14
51	Selective spider toxins reveal a role for the Nav1.1 channel in mechanical pain. Nature, 2016, 534, 494-499.	13.7	239
52	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
53	The role of defensive ecological interactions in theÂevolution of conotoxins. Molecular Ecology, 2016, 25, 598-615.	2.0	52
54	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

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55	Deep venomics of the Pseudonaja genus reveals inter- and intra-specific variation. Journal of Proteomics, 2016, 133, 20-32.	1.2	26
56	Transcriptome and proteome of Conus planorbis identify the nicotinic receptors as primary target for the defensive venom. Proteomics, 2015, 15, 4030-4040.	1.3	26
57	A Defined Î±â€Helix in the Bifunctional Oâ€Glycosylated Natriuretic Peptide TcNPa from the Venom of Tropidechis carinatus. Angewandte Chemie - International Edition, 2015, 54, 4828-4831.	7.2	7
58	Identification and Characterization of ProTx-III [Î¼-TRTX-Tp1a], a New Voltage-Gated Sodium Channel Inhibitor from Venom of the Tarantula Thrixopelma pruriens. Molecular Pharmacology, 2015, 88, 291-303.	1.0	72
59	Bioactive Components in Fish Venoms. Toxins, 2015, 7, 1497-1531.	1.5	58
60	Modern Venom Profiling: Mining into Scorpion Venom Biodiversity. , 2015, , 547-561.		0
61	CHAPTER 2. The Structural Universe of Disulfide-Rich Venom Peptides. RSC Drug Discovery Series, 2015, , 37-79.	0.2	13
62	CHAPTER 3. Venoms-Based Drug Discovery: Proteomic and Transcriptomic Approaches. RSC Drug Discovery Series, 2015, , 80-96.	0.2	7
63	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
64	Privileged frameworks from snake venom. Cellular and Molecular Life Sciences, 2015, 72, 1939-1958.	2.4	35
65	Evolution of an Ancient Venom: Recognition of a Novel Family of Cnidarian Toxins and the Common Evolutionary Origin of Sodium and Potassium Neurotoxins in Sea Anemone. Molecular Biology and Evolution, 2015, 32, 1598-1610.	3.5	82
66	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
67	Optimized deep-targeted proteotranscriptomic profiling reveals unexplored Conus toxin diversity and novel cysteine frameworks. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3782-91.	3.3	85
68	Ancient Venom Systems: A Review on Cnidaria Toxins. Toxins, 2015, 7, 2251-2271.	1.5	169
69	Firing the Sting: Chemically Induced Discharge of Cnidae Reveals Novel Proteins and Peptides from Box Jellyfish (Chironex fleckeri) Venom. Toxins, 2015, 7, 936-950.	1.5	47
70	Î±-conotoxin MrIC is a biased agonist at Î±7 nicotinic acetylcholine receptors. Biochemical Pharmacology, 2015, 94, 155-163.	2.0	16
71	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
72	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

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73	Comparative Venomics Reveals the Complex Prey Capture Strategy of the Piscivorous Cone Snail Conus catus. Journal of Proteome Research, 2015, 14, 4372-4381.	1.8	62
74	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
75	Cone snail venomics: from novel biology to novel therapeutics. Future Medicinal Chemistry, 2014, 6, 1659-1675.	1.1	72
76	Holocyclotoxin-1, a cystine knot toxin from Ixodes holocyclus. Toxicon, 2014, 90, 308-317.	0.8	23
77	Editorial overview: Synthetic Biomolecules. Current Opinion in Chemical Biology, 2014, 22, viii-xi.	2.8	7
78	Highâ€Throughput Synthesis of Peptide Î±â€Thioesters: A Safety Catch Linker Approach Enabling Parallel Hydrogen Fluoride Cleavage. ChemMedChem, 2014, 9, 1038-1046.	1.6	6
79	Intraspecific variations in Conus geographus defence-evoked venom and estimation of the human lethal dose. Toxicon, 2014, 91, 135-144.	0.8	39
80	Selenoether oxytocin analogues have analgesic properties in a mouse model of chronic abdominal pain. Nature Communications, 2014, 5, 3165.	5.8	122
81	Total Synthesis of Human Hepcidin through Regioselective Disulfideâ€Bond Formation by using the Safetyâ€Catch Cysteine Protecting Group 4,4â€²â€Dimethylsulfinylbenzhydryl. Angewandte Chemie - International Edition, 2014, 53, 2931-2934.	7.2	46
82	Discovery, Synthesis, and Structureâ€“Activity Relationships of Conotoxins. Chemical Reviews, 2014, 114, 5815-5847.	23.0	258
83	Chemical Synthesis, 3D Structure, and ASIC Binding Site of the Toxin Mambalginâ€2. Angewandte Chemie - International Edition, 2014, 53, 1017-1020.	7.2	66
84	Effects of arginine 10 to lysine substitution on Ï‰â€conotoxin <scp>CVIE</scp> and <scp>CVIF</scp> block of <scp>Ca_v</scp>2.2 channels. British Journal of Pharmacology, 2014, 171, 3313-3327.	2.7	6
85	Understanding the Molecular Basis of Toxin Promiscuity: The Analgesic Sea Anemone Peptide APETx2 Interacts with Acid-Sensing Ion Channel 3 and hERG Channels via Overlapping Pharmacophores. Journal of Medicinal Chemistry, 2014, 57, 9195-9203.	2.9	40
86	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
87	Reâ€engineering the Î¼â€conotoxin SIIIA scaffold. Biopolymers, 2014, 101, 347-354.	1.2	3
88	Evolution of separate predation- and defence-evoked venoms in carnivorous cone snails. Nature Communications, 2014, 5, 3521.	5.8	275
89	A Tarantula-Venom Peptide Antagonizes the TRPA1 Nociceptor Ion Channel by Binding to the S1â€“S4 Gating Domain. Current Biology, 2014, 24, 473-483.	1.8	56
90	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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91	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
92	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
93	Novel Ï‰-Conotoxins from C. Catus Reverse Signs of Mouse Inflammatory Pain after Systemic Administration. Molecular Pain, 2013, 9, 1744-8069-9-51.	1.0	9
94	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
95	Vicinal Disulfide Constrained Cyclic Peptidomimetics: a Turn Mimetic Scaffold Targeting the Norepinephrine Transporter. Angewandte Chemie - International Edition, 2013, 52, 12020-12023.	7.2	32
96	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
97	Functional characterization on invertebrate and vertebrate tissues of tachykinin peptides from octopus venoms. Peptides, 2013, 47, 71-76.	1.2	18
98	Direct evidence for the role of Maillard reaction products in protein cross-linking in milk powder during storage. International Dairy Journal, 2013, 31, 83-91.	1.5	58
99	Quantification of lactosylation of whey proteins in stored milk powder using multiple reaction monitoring. Food Chemistry, 2013, 141, 1203-1210.	4.2	23
100	Isolation and characterization of Î±-conotoxin LsIA with potent activity at nicotinic acetylcholine receptors. Biochemical Pharmacology, 2013, 86, 791-799.	2.0	51
101	Efficient chemical synthesis of human complement protein C3a. Chemical Communications, 2013, 49, 2356.	2.2	14
102	The insecticidal potential of venom peptides. Cellular and Molecular Life Sciences, 2013, 70, 3665-3693.	2.4	110
103	Solid phase synthesis of peptide-selenoesters. Bioorganic and Medicinal Chemistry, 2013, 21, 3473-3478.	1.4	30
104	Transcriptomic Messiness in the Venom Duct of Conus miles Contributes to Conotoxin Diversity. Molecular and Cellular Proteomics, 2013, 12, 3824-3833.	2.5	70
105	Chemical Engineering and Structural and Pharmacological Characterization of the Î±-Scorpion Toxin OD1. ACS Chemical Biology, 2013, 8, 1215-1222.	1.6	50
106	Differential Evolution and Neofunctionalization of Snake Venom Metalloprotease Domains. Molecular and Cellular Proteomics, 2013, 12, 651-663.	2.5	83
107	Deep Venomics Reveals the Mechanism for Expanded Peptide Diversity in Cone Snail Venom. Molecular and Cellular Proteomics, 2013, 12, 312-329.	2.5	180
108	Multiple actions of Ït-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

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109	Do Vicinal Disulfide Bridges Mediate Functionally Important Redox Transformations in Proteins?. Antioxidants and Redox Signaling, 2013, 19, 1976-1980.	2.5	16
110	Vicinal Disulfide Constrained Cyclic Peptidomimetics: a Turn Mimetic Scaffold Targeting the Norepinephrine Transporter. Angewandte Chemie, 2013, 125, 12242-12245.	1.6	9
111	Cysteine-Rich Mini-Proteins in Human Biology. Current Topics in Medicinal Chemistry, 2012, 12, 1514-1533.	1.0	36
112	Conotoxin engineering: dual pharmacophoric noradrenaline transport inhibitor/integrin binding peptide with improved stability. Organic and Biomolecular Chemistry, 2012, 10, 5791.	1.5	13
113	Cyclization of Peptides by using Selenolanthionine Bridges. Angewandte Chemie - International Edition, 2012, 51, 10298-10302.	7.2	51
114	Cyclisation Increases the Stability of the Sea Anemone Peptide APETx2 but Decreases Its Activity at Acid-Sensing Ion Channel 3. Marine Drugs, 2012, 10, 1511-1527.	2.2	19
115	Evaluation of COMU as a coupling reagent for in situ neutralization Boc solid phase peptide synthesis. Journal of Peptide Science, 2012, 18, 199-207.	0.8	14
116	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
117	Nâ€and câ€terminal extensions of Î¼â€conotoxins increase potency and selectivity for neuronal sodium channels. Biopolymers, 2012, 98, 161-165.	1.2	12
118	A proteomic approach to detect lactosylation and other chemical changes in stored milk protein concentrate. Food Chemistry, 2012, 132, 655-662.	4.2	42
119	UHT milk contains multiple forms of Î±S1-casein that undergo degradative changes during storage. Food Chemistry, 2012, 133, 689-696.	4.2	13
120	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
121	Characterisation of Nav types endogenously expressed in human SH-SY5Y neuroblastoma cells. Biochemical Pharmacology, 2012, 83, 1562-1571.	2.0	64
122	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
123	Melanocortinâ€1 receptorâ€mediated signalling pathways activated by NDPâ€MSH and HBD3 ligands. Pigment Cell and Melanoma Research, 2012, 25, 370-374.	1.5	22
124	Mass landscapes of seven scorpion species: The first analyses of Australian species with 1,5-DAN matrix. Journal of Venom Research, 2012, 3, 7-14.	0.6	10
125	Binding Inhibitors of the Bacterial Sliding Clamp by Design. Journal of Medicinal Chemistry, 2011, 54, 4831-4838.	2.9	38
126	Proteomic Analysis of Temperature-Dependent Changes in Stored UHT Milk. Journal of Agricultural and Food Chemistry, 2011, 59, 1837-1846.	2.4	80

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127	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
128	De novo sequencing of peptides from the parotid secretion of the cane toad, Bufo marinus (Rhinella) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.8	31
129	Venomics: a new paradigm for natural products-based drug discovery. Amino Acids, 2011, 40, 15-28.	1.2	172
130	Total Synthesis of the Analgesic Conotoxin MrVIB through Selenocysteineâ€Assisted Folding. Angewandte Chemie - International Edition, 2011, 50, 6527-6529.	7.2	88
131	Siteâ€Specific pK_a Determination of Selenocysteine Residues in Selenovasopressin by Using ⁷⁷Se NMR Spectroscopy. Angewandte Chemie - International Edition, 2011, 50, 11952-11955.	7.2	44
132	Preformed Selenoesters Enable Rapid Native Chemical Ligation at Intractable Sites. Angewandte Chemie - International Edition, 2011, 50, 12042-12045.	7.2	103
133	Synthesis of Tripeptide Mimetics Based on Dihydroquinolinone and Benzoxazinone Scaffolds. Chemistry - A European Journal, 2011, 17, 13983-13986.	1.7	8
134	Structure-Activity Studies on Alpha-Conotoxins. Current Pharmaceutical Design, 2011, 17, 4226-4241.	0.9	58
135	Unique scorpion toxin with a putative ancestral fold provides insight into evolution of the inhibitor cystine knot motif. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10478-10483.	3.3	96
136	Establishing regiocontrol of disulfide bond isomers of Î±â€conotoxin ImI via the synthesis of Nâ€toâ€C cyclic analogs. Biopolymers, 2010, 94, 307-313.	1.2	47
137	Chemical Synthesis and Structure of the Prokineticin Bv8. ChemBioChem, 2010, 11, 1882-1888.	1.3	22
138	pâ€Nitrobenzyl protection for cysteine and selenocysteine: A more stable alternative to the acetamidomethyl group. Biopolymers, 2010, 94, 423-432.	1.2	17
139	Benzhydrylamine linker grafting: a strategy for the improved synthesis of Câ€terminal peptide amides. Journal of Peptide Science, 2010, 16, 551-557.	0.8	4
140	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.	1.6	49
141	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
142	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
143	Modulating Oxytocin Activity and Plasma Stability by Disulfide Bond Engineering. Journal of Medicinal Chemistry, 2010, 53, 8585-8596.	2.9	112
144	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

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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.	1.6	38
146	Rapid Access to Ï‰-Conotoxin Chimeras using Native Chemical Ligation. Australian Journal of Chemistry, 2009, 62, 1333.	0.5	6
147	A Single Î±â€Helical Turn Stabilized by Replacement of an Internal Hydrogen Bond with a Covalent Ethylene Bridge. Angewandte Chemie - International Edition, 2009, 48, 5675-5678.	7.2	28
148	Direct Visualization of Disulfide Bonds through Diselenide Proxies Using ⁷⁷Se NMR Spectroscopy. Angewandte Chemie - International Edition, 2009, 48, 9312-9314.	7.2	63
149	Structure of the pore-helix of the hERG K+ channel. European Biophysics Journal, 2009, 39, 111-120.	1.2	18
150	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
151	Ï‡-Conopeptide Pharmacophore Development: Toward a Novel Class of Norepinephrine Transporter Inhibitor (Xen2174) for Pain. Journal of Medicinal Chemistry, 2009, 52, 6991-7002.	2.9	70
152	Rapid sensitive analysis of cysteine rich peptide venom components. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6910-6915.	3.3	103
153	Selenopeptide chemistry. Journal of Peptide Science, 2008, 14, 1223-1239.	0.8	138
154	Analysis of disulphide linkages in bovine Îºâ€casein oligomers using twoâ€dimensional electrophoresis. Electrophoresis, 2008, 29, 2402-2410.	1.3	30
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